



EXPANDING HORIZONS

International Programs, The University of Montana, March 2005

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Serving Children with HIV/AIDS in Soweto, South Africa

By Carrie Gajodzik, Professor, Physical Therapy

This past fall I was most fortunate to spend my sabbatical in Johannesburg, South Africa, where I collaborated with Joanne Potterton, a faculty member of the Physical Therapy Department at the University of the Witwatersrand (known as Wits and pronounced Vits). Joanne and I worked together to research the motor and cognitive development of very young children who are HIV positive and to examine the stress that their caregivers experience. The following is a description of some of what I saw and learned at the Harriet Shezi Clinic for Children with HIV in Soweto, South Africa.

Twice a week for three and a half months I took the 20 minute car ride to Soweto, where the clinic is located. Soweto is an acronym for **SO**uth **WE**st **TOW**nships. It's a not-so-peaceful area that is home to 3.5 million people, the majority of whom are Black Africans from the Zulu and Basotho tribes. Most are very poor, under-employed or jobless. Some residents live in corrugated metal shacks or tiny cinderblock houses/apartments erected along dirt lanes, while others have 3 or 4 room homes along the asphalt roads. Many residents have electricity, and all have running water and toilets, though for many the water must be hauled from a communal spigot and the toilet is outside and separate from their living space.

The Harriet Shezi Clinic for Children with HIV is on the grounds of the Chris Hani Baragwanath Hospital, which is the largest public hospital in the southern hemisphere. The purposes of this clinic are to identify infants and children who are HIV positive, monitor their health, administer antiretroviral therapy (i.e., anti-HIV drugs), supervise caregiver compliance with the medication, counsel the families and children, and provide caring support. It opened about three years ago in response to the government's decision to allow children over the age of 24 months and who were on government subsidy to receive antiretroviral therapy. After much pressure, the government recently expanded the age range to include all children from the time of birth. About 120 children come to the clinic each week, but the weekly addition of 10-15 new patients is putting a strain on the resources of personnel and medication. Several

times during my visits, the clinic ran low on medication and had to delay the initiation of drug intervention for new patients. At the clinic it was quite noticeable that the majority of caregivers in the waiting area were women. Many were young mothers, who are all HIV positive. However, a fair number of the caregivers were grandmothers. Often it's the gogo (Zulu for grandmother) who takes in the children when the parents have died. According to the World Health Organization (WHO), more than 1 million children in South Africa have lost one or both parents to AIDS. If there is no extended family willing to rear the orphaned children, they are sent to one of the many orphanages. Only a lucky few of these orphans are adopted. The future social impact on society of such a large number of orphans is worrisome for many.

Collecting data in a country that has 11 official languages and many distinct cultures presents many challenges. For our study, the informed consent forms and questionnaires were written in English, Zulu, and Sotho and interpreters were available on site. Although the majority of caregivers spoke English as a second language, we had to make a special effort to assure that they understood the purposes and procedures of the research. Putting the children at ease and gaining their confidence was very challenging because almost all did not understand English and they were leery of our white, unfamiliar faces. Even our toys and books were strange and unfamiliar to them.



HIV/AIDS is having a devastating impact in South Africa. It is tearing families apart and putting a great strain on all generations. Parents of HIV positive children are often dealing with their own HIV/AIDS diagnosis, death of a spouse, poverty, and unemployment. Grandparents grieve as they bury their sons and daughters, yet at the same time they take on the burden of raising their young grandchildren. These parents and grandparents love and care for their children furiously, despite their hardships, but it is still terribly difficult. Antiretroviral therapy is giving hope to those who have access to it, but South Africa has much more to do before it escapes the misery of this terrible disease.

International Week at UM: March 7 - 13

Monday, March 7

Noon-1:00pm Opening Ceremony, UC Atrium

6:00pm Presentation: *Short-term NGO Work Abroad: A Nepali Experience*, Jeremy Simms, UM Graduate, UC 331

Tuesday, March 8

3:00-4:00pm Information Session: *Work/Volunteer Abroad*, UC 331

5:00-6:00pm Brazilian Jujitsu Demonstration Class, Brian McGrath, UM Student, UC 331

7:00pm Panel Discussion: International Women's Day, UC 331

Look for noon-time presentations and performances in the UC Atrium throughout the week. Please see International Programs website for the most up-to-date schedule of events at: www.umt.edu/ip/events/default.htm

Wednesday, March 9

Noon-1:00pm Brown Bag Presentation: *Columbia: Witness to War*, Scott Nicholson, Montana Human Rights Network, UC 332

3:00-4:00pm Seminar: *200 Countries, 6000 Languages, One World, Yours! Explore Career Opportunities with the U.S. State Department*, Ambassador Mark Johnson, Montana World Affairs Council, UC 332

7:00pm Margaret Mead Traveling Film Festival: *How to Fix the World* (U.S./Uzbekistan) and *Oscar* (Argentina), UC Theater

Thursday, March 10

Noon-1:00pm Brown Bag Presentation: *Teaching Globalization & Multicultural Competence at UM-From Theory to Practice*, Udo Fluck, International Programs, Mansfield Center Conference Room

7:00pm Presentation: Democracy, Terrorism and Failed States: Nepal's Perspective, Upendra Acharya, Montana resident originally from Nepal, UC 332-333

Friday, March 11

Noon-1:00pm Brown Bag Presentation: Working abroad: How to get from where you are to where you want to be in five easy steps, Kris Black, Program Coordinator for Women's Studies Program, Mansfield Center Conference Room

Sunday, March 13

Noon-5:00pm International Culture and Food Festival, sponsored by the International Student Association, UC

Collaborative Research in the Biomedical Sciences between The University of Montana and Italian Universities

By Ed Rosenburg, Chair, Chemistry

Advances in our knowledge of human disease and our fundamental understanding of living systems require collaborative efforts between physical and life scientists. The Regents recently approved a new Ph.D. program in Biomolecular Structure and Dynamics (BSD), which exemplifies the spirit of this type of scientific collaboration within this University. A Center for Biomolecular Structure and Dynamics (CBSD) is currently being developed on campus by Professors Walt Hill (Division of Biological Sciences (DBS)) and Sandy Ross (Chemistry). CBSD will serve as a focus for the development of the BSD curriculum, the acquisition of research equipment and the submission of program training grants to federal agencies. Faculty expertise within the center covers a broad range of research areas in the physical and life sciences, and includes professors from DBS, Chemistry and Pharmaceutical Sciences. However, to meet its scientific challenges, the new Center clearly will require broader expertise. Part of these needs will be met by future faculty hires, but collaborations with research groups outside the University will definitely be part of the Center's activities.

Coincidentally, prior to the evolution of the BSD Program and Center, my own research interests in inorganic and organometallic chemistry have taken a distinct change in direction, moving towards biomedically related applications. This was a direct result of my long-standing collaboration with a research group at the University of Turin, Italy. The group in Turin, headed by Professors Silvio Aime and Roberto Gobetto, has become very active in the development of metal-based contrast agents for MRI and in development of metal-based spectroscopic probes of biomolecular structure and dynamics. Through my interactions with them I began to envision possible applications of some of the metal-based compounds I have been making in recent years. Not long after, Professor Domenico Osella at the University of Eastern Piedmont carried out initial experiments using one of my compounds as an enzyme inhibitor. This interaction

expanded the base of my Italian collaboration to a second university with whom we now have a second exchange agreement.

Two summers ago Professor Ross, now interim co-director of CBSD, visited with these two Italian groups, and he found that their expertise and interests beautifully complemented his own current interests. This interaction now extended the collaboration to include two research groups at UM. Moreover, Professor Ross has had a long-standing collaboration with Professor Paolo Neyroz of the Department of Biochemistry at the University of Bologna. The Italian groups at Turin and Bologna also found they had common interests and complementary expertise but were unaware of each other before being introduced by the UM scientists. There now exists collaboration between the Turin and Bologna groups as well as between the two UM groups and the two Italian groups.

Currently there are two Italian scientists on campus, Dr. Luca Salassa, who is doing a one year postdoctoral working with Professor Ross and myself, and Agnese Minazzo, who is a graduate student who came to UM two years ago as a result of one of my visits to Italy and is working with Professor Ross. Professors Aime and Gobetto and their colleagues Carlo Nervi and Mauro Botta have also paid extended visits to UM in recent years. Professor Ross and myself are regular visitors to Turin. This summer I will spend three months there as part of my sabbatical. Fabrizio Spada, another Italian graduate student who worked in my group, recently received his Ph.D. from UM, and he came to us by way of the University of Eastern Piedmont as a direct result of my visits there. With the two exchange agreements in place (with the University of Turin and the University of Eastern Piedmont) there will be many opportunities for exchange in the biomedical sciences of both students and faculty. International collaborations are very special in that they allow interacting scientists to see how culture and science interrelate. This broadening experience has profoundly impacted my own attitudes towards science and my perceptions of foreign cultures. I have seen the same in my Italian students and colleague collaborators after they been at UM for an extended visit.

Development of a Tropical Ecology Field Course in the Amazon Jungle of Peru

By Erick Greene, Acting Associate Dean, Division of Biological Sciences

Early this January, five of us perched on a small platform in the canopy of a giant Brazil nut tree about 150 feet above the floor of the jungle. The sun was setting behind the Andes in the distance, and before us stretched a vast expanse of emerald green lowland tropical rainforest. Immediately below us was a rather extensive palm swamp, and this rosy dusk was anything but serene. Hundreds of giant, raucous macaws (of three species) and many species of parrots were streaming into the swamp from the surrounding jungle. They spend their days out in the jungle foraging for nuts and fruits, but return to roost at night in the relative safety of the dense palm foliage. Parrots and macaws can live for a very long time, and they tend to pair for life. It was moving to see these spectacular wild birds flying in together as couples or small family groups, carrying on conversations roughly at the decibel level of jet planes taking off! Below us, groups of spider monkeys were bedding down for the night, grabbing fistfuls of date-like palm fruits for a bedtime snack, and then curling up among the large palm leaves. After it became dark, the sights and sounds of the daytime creatures preparing for bed were quickly replaced by the nocturnal creatures gearing up for their nighttime shifts. About 80 species of frogs occur in this region, and it seemed like most of them were calling around the small breeding pools scattered through the forest.

For several years some of us have wanted to organize a tropical biology class that would focus on ecology and conservation in the New World tropics. This year the planets were in alignment, and I took a small group of four students (two graduate students, Alex Trillo and Andrew Whiteley, and two undergraduate students, Dawson Dunning and Allison Greene) to one of the most remote areas in the Amazonian rainforest in Peru. What made this pilot trip especially feasible now was Alex Trillo: she is from Peru, and is currently a PhD graduate student in the Division of Biological Sciences; she has extensive experience in teaching tropical ecology courses; and her cousin, Dave Pagois, is the Director of the Madre de Dios region for Asociación para la Conservación de la Cuenca Amazónica, or Amazon Conservation Association (ACCA). With the help of Alex's expertise, knowledge of the area, and her family in Peru, this pilot trip was extremely successful. We spent time in the coastal city of Lima, and in the high Andes, but our main goal was to visit Los Amigos Research Station, run by ACCA. It is situated at the confluence of the Madre De Dios River and Los Amigos River in the Amazon basin.

Our vision for this Tropical Ecology course is different than most. Although there are plenty of opportunities for North American students to travel and study in the tropics, most of these involve little interaction with local students and teachers from the host countries. We are developing a course that would be comprised of about half Peruvian students and half University of Montana students. To this end, we spent about half our time in Peru meeting with representatives from universities and organizations to explain our idea, and see if there might be interest from their end. We met with the presidents, deans, departmental chairs, faculty and students at Universidad Nacional Agraria La Molina in Lima, Universidad de San Antonio de Abad in Cuzco, as well as other groups. There was tremendous enthusiasm for this idea. This semester we are teaching a class in Tropical Ecology, and working on plans for a field course to take place in Peru during June or July. With some luck and hard work we will be able to develop this into an exciting international collaborative opportunity for students from Peru and UM to study and conduct research together!



Top: 150 feet above the jungle floor in a giant Brazil nut tree

Left: Alex Trillo, Andrew Whiteley and Dawson Dunning in dugout canoes

New Interim Directors Appointed at English Language Programs

English Language Institute

Summer Language Programs



Lee Ann Millar has assumed the position of Interim Director of the English Language Institute (ELI). Lee Ann has been with the ELI since it began operations in 1993, serving as Director of Studies and teaching at all levels of instruction. As Director of Studies, she was instrumental in developing

institutional policy and in designing the curriculum of the ELI. She received her M.A. in Teaching English as a Second Language from San Francisco State University, where she taught from 1990 to 1991. Following that, she was a lecturer in the Department of Education at Kumamoto University, Kumamoto, Japan from 1991 to 1993. She has traveled extensively, and prior to completing her graduate work she worked in the tourist industry, mainly in Asia and the South Pacific. She looks forward to helping the ELI continue to grow in its support of the international student community at UM.



Julie Brown has been appointed interim director of summer language programs with International Programs. Julie comes to this position with considerable summer language program experience. She first began teaching in the summer programs in 1995 when she was a graduate student. Since that first summer, Julie has been the lead teacher with the Toyo University and Itakura Junior High School programs in 1997, 2001 and 2002. This past summer, she taught

in the KGU program and ran the Toyo University program. She continues to also teach English during the academic year at the English Language Institute.

Julie received her M.A. in English with a certificate in teaching English as a second language from The University of Montana in 1996. She has taught in Benin, West Africa, Korea, the Czech Republic, California, Ohio and Montana.

Julie is thrilled to now have the opportunity to manage all the summer programs. She is looking forward to yet another fun-filled summer full of international students at UM.

International Studies and Research by UM Faculty

College of Arts & Sciences

In December 2004, Associate Dean **James Scott** went to Trento, Italy, to conduct research on the famous Church Council of Trent (1545-63). He also went a few miles north to his grandfather's hometown of Bolzano, and then across to St. Gallen, Switzerland, where his wife, Anita, went to high school.

Biological Sciences

Professors **Ken Dial** and **Fred Allendorf** taught Field Ecology of East Africa (Biology 595) during Winter Session 2005. Eleven participants spent three stimulating weeks in Tanzania (via Holland). Professors Dial and Allendorf traveled throughout northern Tanzania with UM graduate students in an effort to teach evolutionary biology, ecology, and animal behavior. A public presentation will be offered in April (date and time to be announced) that will review the sights, sounds, and biodiversity witnessed by the group.

Associate Professor **Mark Grimes** spent seven years in New Zealand in Missoula's sister city, Palmerston North at Massey University as a senior lecturer (1994-2001). While there he participated in several grant review committees. He continues to review grants for the Health Research Council (like the NIH here) and the Cancer Society of New Zealand.

Research Assistant Professor **Mark Lorang** has been working on the Tagliamento river in Italy with Drs. Klement Tockner and Tom Gonsor from the Swiss Federal Institute for Environmental Science and Technology, Dr. Geoff Petts from the University of Birmingham and Dr. Angela Gurnell from King's College London. He will travel there again in May. The project involves the use of airborne remote sensing data coupled to ground truth data to model geomorphic behavior of the river as it relates to the ecology of the river system. The work has implications for the field of river restoration. The Tagliamento river is the largest free flowing river in Europe and has been widely studied by this group and others. There is a similar reference system here in Montana, the Nyack Floodplain of the Middle Fork of the Flathead River. Studies there have been funded by a 3-year project from the National Science Foundation, Project number: EAR-0120523 "Biocomplexity in the Environment: Emergent Properties of Alluvial River Flood Plains." Remote sensing is a large component of that project and is what led to the collaborative work on the Tagliamento.

Associate Professor **Mary Poss** recently spent 2 months in Auckland, New Zealand. She worked on a research project with a collaborator at University of Auckland, Allen Rodrigo, who is the Director of the New Zealand Bioinformatics Institute. They are finishing up two papers and have submitted a grant.

In October 2004 Associate Professor **Frank Rosenzweig** gave an invited presentation at the Pasteur Institute in France. He also participated in a conference at the Necker College of Medicine that has led to a formal collaboration between his lab and Dr. Francois Taddei. Their research is directed towards enlarging their understanding of the evolution of the bacterium *Pseudomonas aeruginosa* in children afflicted with cystic fibrosis.

Biological Sciences/Philosophy

In January 2004 Adjunct Assistant Professor **Sean O'Brien** and Research Assistant Professor **Paul Spruell** took 13 students to the Galapagos Islands during a winter session course.

Economics

Research Professor and Adjunct Instructor **Richard Erb**, who currently teaches a seminar on the European Union, is conducting research on the following topics: 1. European experiences in governance: lessons for failed states?, 2. Whatever happened to the "principle of self-determination of peoples"?, 3. The Challenges of Managing a Multilateral Institution, and 4. Building a business in a transition economy. In September 2004 he attended the annual meetings of the IMF and World Bank for the first time in a number of years. Erb stated that he was saddened to find that protestors and fears of terrorist acts have undermined the dynamism and openness of these meetings and limited the participation of member governments, including in particular officials from developing countries.

Environmental Studies/Liberal Studies

Adjunct Assistant Professor **Dan Spencer** conducted a 2-week travel seminar to Guatemala last May-June, 2004. He plans to lead a Nicaragua travel seminar May 31-June 12, 2005. Both trips focus on environmental, human rights, and sustainable development issues in these impoverished 2/3 World nations.

Geology

In July-August 2004, Professor **Jim Sears** conducted a research expedition with two Russian geology professors, three Russian students and one student from UM down Belaya River in eastern Russia (Siberia). He examined and sampled rocks for comparison with the Death Valley area to test "Siberian Connection" hypothesis that Siberian crust was once attached to the Western US and Canada. The expedition was financed by a grant from the National Science Foundation. It was based out of Yakutsk, Russia.

In August 2004, Sears attended the International Geological Congress in Florence, Italy. The meeting is held once every four years in different sites around the world. He presented preliminary findings from the Siberia trip. In addition, he attended a 5-day geological field trip through the Apennine Mountains as part of the meeting, and did some research in the Italian Dolomite Alps.

In November 2004, Sears hosted Andrei Khudoley, his colleague from St. Petersburg State University, at the Annual meeting of the Geological Society of America in Denver, and also in Missoula for a week. Khudoley gave a seminar about Russian geology to the Geology Department. Khudoley and Sears worked on data from the Siberian expedition and made plans for a second possible expedition in 2006.

Also in November 2004, Sears organized and presided at a 4-day symposium at the Annual meeting of the Geological Society of America in Denver in honor of the great Canadian geologist, R.A. Price, on the 50th anniversary of his first geologic work. Fifty-six papers were presented.

In December 2004, Sears was invited to and attended a 3-day NSF-sponsored workshop on "Tectonics of NE Russia" at Stanford University. A group of Russian and US geologists were hosted by NSF to meet and plan future research in NE Russia. He then attended the American Geophysical Union annual meeting in San Francisco to present preliminary findings of the expedition to Siberia, with A.K. Khudoley and A.V. Prokopyev. Following the AGU meeting, Sears and Prokopyev (the field leader of the Siberian excursion) went to Death Valley for 4-day field trip to view the stratigraphic sections that match those in Siberia.

History

Professor **Ken Lockridge**, who has done research in Sweden for a number of years, is returning there this summer to do research and give a paper on a mysterious Swedish painter who moved to Philadelphia and in 1735 painted two Delaware chiefs, the two most honest and insightful portrayals of Native Americans created in America before 1820. The mystery is that he hated Indians at first! The work is a detective story, a search for the origins of tolerance in this largely unrecorded man, and the sources are as much in Sweden as here. (For a sample go to common-place.org and go down to back issues and look at "Overcoming Nausea" in the January, 04 issue.) The trip will include researching archives and attending conferences with the great Swedish brain trust he has been lucky as to build via e-mail. His wife, Research Professor **Helena Hoas**, will also be making further contacts in the Swedish health-care-studies establishment.

Associate Professor **Frederick Skinner** spent the summer of 2004 at the Helsinki University Library in Helsinki, Finland and the Russian National Library in St. Petersburg, Russia, completing the research on his forthcoming book, "Beethoven in Russia: Music and Politics, 1801-2001." In August he and his wife traveled throughout Estonia. He profited enormously from being able to examine the holdings of two world-class libraries in his field. He now has obtained virtually all the material needed for completing his book. In addition, his coursework benefits from the updated perspective obtained when visiting Russia. His trip to Estonia was the first to a former Soviet Baltic Republic and will benefit his teaching as well.

Liberal Studies

Professor **Ruth Vanita** edited a special issue of *Trikone Magazine* for LGBT South Asians Vol. 19 No. 3 (September 2004), on Immigration. In 2004 she published "'The Seat of Life is Love': Same-Sex Love and Marriage in Indic Traditions" in *Little India Magazine*. In addition she has the forthcoming 2005 publications: *Love's Rite: Same-Sex Marriage in India and the West* (New York: Palgrave, 2005; New Delhi: Penguin India, 2005), *Gandhi's Tiger and Sita's Smile: Essays on Gender, Sexuality and Culture* (New Delhi: Yoda Press, 2005), "The Self Has No Gender: Sulabha's Debate with Janaka," in *Hinduism Today*, and " 'Living the Way We Want': Same-Sex Marriage in India," in *Alternative Sexualities in Contemporary India* ed. Brinda Bose (Calcutta: Seagull Books, 2005).

Sociology

Associate Professor **Rebecca Richards** has been awarded a Fulbright Senior Scholar award to the University of Porto in Portugal. In May, she will be lecturing and leading a national workshop on the sociology of natural disasters. She will be further assisting University of Porto faculty with natural disaster management program development in January 2006.

In May/June 2004 Associate Professor **Teresa Sobieczyk** conducted a preliminary research trip to Thailand for site selection and field testing of interview guides. During the visit, she began initial meetings with administrators at Khon Kaen University (KKU), in Khon Kaen, Thailand to discuss the possibilities of an exchange relationship between KKU and UM. On the way home, she gave an invited seminar and taught two classes in the Faculty of Social Sciences at Senshu University, Tokyo, Japan. The seminar was titled, "The International Labor Migration of Northern Thai Women: Negotiating Gender Norms."

Curriculum & Instruction

From May 19-June 8, 2004, Professor **Rhea Ashmore** was granted a mini-sabbatical

to China. During this trip, she attended the Fourth International Symposium on English Language Training in China held in Beijing and presented the research paper, "The Effects of Phonemic Awareness Drills on Phonological Awareness and Word Reading Performance in a Later Learned Alphabetic Script." In addition, she presented two literacy workshops (Reading: Process and Instructional Approaches and Writing to Learn English) to a total of 200 Chinese educators of English, and she continued collaborative research on assessment of English skills on adolescent Chinese students in Hangzhou.

Forestry & Conservation

The College of Forestry and Conservation (CFC) has been in contact with faculty at the University of Concepcion over the past year about the development of new academic programs regarding protected area management. A recent PhD graduate, **Anibal Pauchard**, has assumed a faculty position at Concepcion. Additionally, Professors **Paul Alaback** and **Carol Brewer** have led intersession courses on the ecology of Patagonia over the past two years.

During November 5-20, 2004, Professor **Jill Belsky**, also Director, Bolle Center for People and Forests, was invited to provide guidance on an interdisciplinary educational program on sustainable development and community-based conservation at The University of Austral in Valdivia, Chile. In addition to providing lectures and seminars, Belsky identified interdisciplinary field research projects on the island of Chiloe that respond to the concerns of a local community forestry NGO working closely with indigenous communities adjacent to the Chiloe National Forest.

Associate Dean **Jim Burchfield** has been working with representatives of the Royal University of Bhutan and the Ministry of Agriculture to help develop a curriculum for Bhutan's first undergraduate program in natural resources. In cooperation with the World Wildlife Fund and the McArthur Foundation, Burchfield traveled to Bhutan in May 2004 to discuss both the potential content and delivery of an undergraduate natural resources program. The Ugyen Wanchuck School of Forestry and Environmental Studies is scheduled to open in 2007.

Professor **Tom DeLuca** has an ongoing guest appointment at the Swedish University of Agricultural Sciences in Umeå. He has been working with the Swedish university since 1999, lived in Sweden for one year while on sabbatical, and now spends about 6 - 8 weeks of every year in Sweden. He performs field research on ecosystem ecology primarily studying nitrogen fluxes in forest and tundra ecosystems. He also works with ecologists, archaeologists, and historians reconstructing historic land use by ancient Sami peoples of Northern Sweden.

In August 2004, Professor **Steve McCool** taught a special course to southern African protected area managers titled "Integrated Protected Area Planning" at University of KwaZulu-Natal, Pietermaritzburg, South Africa. About 30 managers attended the five day course. He also consulted with graduate students and faculty on protected area management issues. The managers in the course expressed a strong commitment to conservation and a willingness to test new ideas and challenge old paradigms.

Over the last two years, McCool has also conducted research on visitors to two eastern Arctic Canadian National Parks in Nunavut Province (included Ph.D. student Paul Lachapelle)—Auyuittuq (on Baffin Island) and Quittinipaaq (on Ellesmere). He has worked closely with Alan Watson from the Aldo Leopold Wilderness Research Institute on this project. This was one of the first studies of Arctic national park visitors in Canada. The project integrated qualitative research with quantitative research on dimensions of visitor experience in Arctic environments, and also is leading to developing indicators of those experiences to be used in management.

Joensuun Yliopisto, Finland

The International Exchange Visit of Erling Oelz: An Interim Report

By Erling Oelz, Director of Public Services, Mansfield Library

I have now begun my sixth week in Joensuu and, thus far, my Finland experience exceeds anything I could have anticipated. Everyone at the University of Joensuu has been most generous with time and pleasure, and they work exceedingly hard to help me address my international objectives. They have expectations of me as well that hopefully will be addressed over the remainder of my time here. I have travelled 200 km by bus to visit the University of Kuopio, an institution with an international reputation in the fields of health, environment and well-being, with particular strengths in biotechnology, life sciences and biomedicine. Kuopio is interested in discussing a formal partnership with The University of Montana. I also spent three days at the University of Joensuu Savonlinna campus speaking with directors and faculty from Teacher Education, Translation Studies, and Tourism Studies. Savonlinna is the host site for the Open Campus Initiative, a partially EU funded project, that distributes wireless content production capabilities among campus faculties in eastern Finland. I have attempted to focus my discussions on the library's instructional role/information strategies within the university setting. I am also working diligently to convince and enable a Finnish librarian to participate in an exchange at the Mansfield Library.

Some interesting side notes — all departments of Finnish government, including higher education, are currently engaged in a nationwide review of individual position descriptions and pay plans. Implementation of the new compensation program is scheduled for the fall of 2005, so everyone is busily involved with documentation and dialogue. And unlike Missoula weather, once snow falls in eastern Finland it stays, so even with grey skies and shortened daylight, the beauty of snow everywhere seems to brighten my every day. I have gone ice fishing using underwater nets, attended an opera gala in Kuopio with excerpts from Mozart, Sallinen, Wagner, Verdi, and Puccini and featuring the Savonlinna Opera Chorus. I will go skiing this weekend in Koli National Park with Matti Halonen, former Director of Administration at Joensuun Yliopisto and one of the early visitors to The University of Montana from Finland. The Koli area is considered to offer some of Finland's finest Lakeland scenery.

In early March, I will be travelling to St. Petersburg State Technical University with the Professor Perttu Vartiainen, Rector of Joensuun Yliopisto and Outi Savonlahti, the Director of International Relations. My first ten-week experience in Joensuu will conclude on 16 March; I move to the University of Helsinki the following day!



Top: A "Kauppahalli" (indoor market) in Kuopio, Finland

Left: Erling Oelz at Olavinlinna Castle near Joensuu, Finland



Homestay Families Needed for Summer Language Programs

International Programs is currently looking for Missoula families to host Japanese students from Toyo University in August 2005. The students will be in Missoula August 4-31. They will be in the dormitories on campus from August 4-18. The homestay portion will begin the evening of August 18 with a barbeque on campus, and end at noon on Sunday, August 28 when the students will travel to Glacier National Park for their final three days in Montana. The homestay component of their month-long visit to Missoula is always the highlight of their trip. The Toyo students and faculty continue to tell us how much the students enjoyed their time with their homestay families in previous years.

Students will be with their homestay families for ten days this year. This will allow students time to get comfortable speaking English and to feel a part of the family. Students will be in class on campus during the week between 9:00 am and 3:30 pm. We ask that families provide breakfast and dinner for the students during the week and that the students are included in family activities. The homestay is not only a time for students to be a part of an American family, but a perfect opportunity for them to use English in a real-life setting. Students are free on the weekends to travel, camp or go on other outings with their families.

English Language Programs is offering families \$300 per student for the ten-day homestay. If you want two students, we will pay you \$600 to defray the costs of the students' living expenses.

If you are interested in hosting a student, please contact Julie Brown at Julie.brown@umontana.edu or at 243-2084.

Trip Report: Coyhaique, Chile, January 14-23, 2005

By Jim Gannon and Matthias Rillig, Professors, Biological Sciences

The Chilean Government in cooperation with others is developing an ecological research center (CIEP) in the Aysen (XI) region of southern Chile (Northern Patagonia). The center will be located in the City of Coyhaique. Researchers from the U. de Concepcion and U. de Austral are engaged in assembling international research teams to participate in formulating the initial research "themes" for the center. Professors Gannon and Rillig, Division of Biological Sciences, were invited to participate in a Biota-Soil-Water Interface group directed by Dr. Erick Zagal, Professor and Head of the Soil Science Department and the U. de Concepcion, Chile. Other attending group members were from Sweden and Great Britain. The goals of the meetings were to:

- Meet with research professionals and government officials of the region to review regionally relevant ecological management issues.
- Attend a research symposium designed to highlight the research specialities and capabilities of attending members. Dr. Gannon presented a seminar entitled "Microbiota-soil-water interactions on floodplains". Dr. Rillig presented on "The role of arbuscular mycorrhizal fungi in soil aggregation and land degradation".
- Formation of initial research hypotheses and identification of potential funding sources
- Explore various regions in the XI district of Chile in order to identify potential research transects

Attending Research Collaborators:

University of Concepción: Dr. Erick Zagal (coordinator), Dr. Neal Stolpe, Dr. Marco Sandoval, Dr. Juan A. Barrera, Dr. Alejandro del Pozo, Ms. Carolin Cordova (MSc)
Austral University: Dr. Ignacio López, Institute for Agricultural and Livestock Research (INIA-Tamel Aike): Dr. Christian Hepp, Dr. Felipe Elizalde, Rothamstead Research Center, Great Britain: Dr. David Powlson, Dr. Philip Brookes, University of Montana: Dr. James E. Gannon, Dr. Matthias C. Rillig, Ms. Kate Dirksen (M.S. student, College of Forestry)
Swedish University of Agricultural Sciences: Dr. Anna Martensson.

Field Trips (site investigation): Coyhaique National Reserve, Lake General Carreterra, Pampas of Argentina to the Coastal Fiords of Chile, Tamel Aike Agricultural Field Station

Meetings with regional government officials:

- Infor – Instituto Forestal. Sede la Patagonia – Regional Director of Forestry
- Sepac- Center Director in charge of all regional land use maps and data.
- SAG – Director of National Parks and Reserves in the Aysen Region
- DGA – General Director of Waters in the Aysen Region
- Conef – Director of Natural Resources and Conservation

Initial sampling

Took root samples of *Nothofagus* tree seedlings to examine for root colonization by various functional groups of mycorrhizal fungi.

UM represented at Chilean signing ceremony in Coyhaique

UM Legal Counsel David Aronofsky represented The University of Montana in signing the official Act creating Chile's Patagonia Ecosystems Research Center (CIEP) in Coyhaique, Chile on January 14, 2005. Also present at this signing ceremony was UM Biological Sciences Professor Ric Hauer. CIEP has been created to fund applied ecosystems research and education projects for Chile's northern Patagonia region of Aysen. Last November a group of some 30 Chilean scientists, officials from the Aysen regional government, 6 members of Chile's Congress and the Presidents of the University of Concepcion and Austral University spent a week in Missoula with UM counterparts developing a comprehensive CIEP funding and work plan. Founding members of CIEP include The University of Montana; University of Concepcion; Austral University; University of Siena, Italy (as head of a 6-university European Union higher education consortium collectively joining CIEP); Chile's Eleventh Region (northern Patagonia) government plus a number of Patagonia-based Chilean NGOs. University of Idaho and Spain's Cordoba University are also expected to have substantial roles in CIEP's activities. After the signing ceremony, David

participated in CIEP's first Board of Director meeting, where a number of initial decisions regarding staffing, temporary sites and project development were made. CIEP has received significant funding from Chile's national and regional governments, as well as a site for future construction within the City of Coyhaique, the region's capital.

Dr. Aronofsky, along with adjunct faculty members Jeff Hull and Ronni Flannery, also taught a 2-week Wintersession course in Chile on the inter-relationships involving free trade economics, environmental protection and the press in Chile's context for 18 students from the UM Schools of Law, Journalism and Business. The course took place in Santiago, Valparaiso, Coyhaique, Chiloe and Puerto Montt. A large number of Chilean professors, as well as Chile's US Ambassador, participated as guest lecturers in the course. Students visited several media outlets, as well as the sites of important Chilean environmental activities. A book containing student writings and photographs from the trip is expected to be published by the end of this Spring Semester.

EXPANDING HORIZONS

The Newsletter of the International Programs at The University of Montana



The University of
Montana

International Programs
International Center (MIP005)

International Brown Bag Series

March 10th, 12-1pm: Udo Fluck, International Programs
***Teaching Globalization & Multicultural
Competence at UM: From Theory to
Practice***

March 11th, 12-1pm: Kris Black, Program Coordinator
for Women's Studies
***Working abroad: How to get from
where you are to where you want to be
in five easy steps***

April 7th, 12-1pm: Prof. Keith Graham, Journalism
***New Zealand: Sister City, Sister
University***

April 14th, 12-1pm: Prof. Thomas DeLuca, Forestry and
Conservation
***Fire, Charcoal, and the Forest Ecology
of Northern Sweden***

We welcome items of international or intercultural interest for the next newsletter. Please send them to International Programs, International Center, or email us (goabroad@mso.umt.edu).

If you are interested in receiving an email notification regarding upcoming international events and IP activities, please send your name and email address to goabroad@mso.umt.edu or call 243-2288.

International Programs Staff

Mehrdad Kia

Assistant Vice President for Research
Director of International Programs
mehrdad.kia@mso.umt.edu, 406-243-2289

Wes Snyder

Assistant Vice President for Research
Director of International Projects Group
Conradwsnyder@aol.com, 406-243-2232

Julie Brown

Interim Director, Summer Language Programs
Julie.Brown@umontana.edu, 406-243-2084

Lee Ann Millar

Interim Director, English Language Institute
Leeann.Millar@umontana.edu, 406-243-2084

Udo Fluck

Director, Multicultural Learning Solutions (MLS)
UdoFluck@mso.umt.edu, 406-243-5885

Nancy Gass

Assistant Director for Financial Affairs and Budgeting
Nancy.Gass@umontana.edu, 406-243-2212

Brian Lofink

Special Projects and Grants Coordinator
brianlofink@mso.umt.edu, 406-243-2288

Michele Rutherford

Instructor, English Language Institute
Michele.Rutherford@mso.umt.edu, 406-243-2084

Barb Seekins

Assistant Director for Student and Scholar Services
SeekinsBH@mso.umt.edu, 406-243-6183

Meghan Squires

Assistant Director for Faculty Exchange
meghan.squires@mso.umt.edu, 406-243-6865

Marja Unkuri-Chaudhry

Assistant Director for Study Abroad
MarjaC@mso.umt.edu, 406-243-2296

Julie Vetter

Instructor, English Language Institute
Julievetter@msn.com, 406-243-2084