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World Forest Institute

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WFI Welcomes Newest Fellow from Australia

Matthew Pope joined WFI in March for a one-year Fellowship. He is employed by Forests New South Wales and is based in the small regional community of Tumut. Matthew has worked as an operations forester with a broad range of responsibilities including fire, recreation, weed control, and fertilizing and more recently he has been working with construction and maintenance of an 8,000 km road network. He is the first Australian to come from a background in radiata pine plantations, of which his region is responsible for 90,000 hectares.

Matthew will be investigating the use of integrated field data management systems. A competitive global market for timber products has increased the need to efficiently manage every aspect of the forestry business. The amount of information required by managers has also increased, due to greater accountability requirements for investors, environmental regulations, and certification systems. This equates to greater information transfer "to" and "from" the field with as much real time information as possible.

There is growing adoption of handheld computers to



Ainsley, Will, Keagan, and Matthew Pope are looking forward to settling in to Portland, meeting new people and making new friends. With the recent purchase of an old VW Westfalia the family also hopes to get out for some family camping weekends. They are always open to camping suggestions.

manage information in the field that goes beyond simple inventory numbers, and most questions have a spatial element. The coupling of GPS with handheld GIS for various functions allows for easy collection and management of field data. Matt's project hopes to gain ideas for expanding upon data collection functions for more complicated user questions. For example, imagine the efficiency boost if field users could quickly find answers to questions related to management issues of boundary types, road suitability for harvest, and culvert use, without returning to the office for additional information.

Matthew is accompanied by his wife Ainsley and children Keagan (4) and Will (2). Ainsley has recently completed her teaching degree, but she also has diverse educational and work experience, including degrees in Asian Studies and Aquaculture. Before teaching Ainsley worked with the New South Wales National Parks and Wildlife service as an interpretive ranger, which included fire fighting duties and managing a silver perch fish farm. The Pope family has traveled extensively, thanks in part to one of Ainsley's positions as a travel agent, and are looking forward to their year-long American adventure.

March Field Tours Focus on Outdoor Recreation

Recent Events



Cristopher tries his hand at the bow and arrow at the Northwest Sportsman's Show, where Fellows learned about outdoor recreation opportunities.



Nerijus (l) and Ma (r) helped celebrate WFC employee Suzie Henry's mom's 90th birthday at her honor dance with traditional Native American customs.



Fellows explored Johnson-Swanson, one of WFC's two forest properties.



The Oregon Logging Conference gave Fellows the opportunity to explore equipment, learn new techniques, and watch logging skills competitions.

Education Director Rick Zenn spent the month of March working with Fellows to explore visitor management in forest recreation areas. Rick's background in parks and recreation was put to full use helping Fellows to make comparisons with their home forest recreation scenarios.

Using a basic outdoor recreation model, Fellows visited sites and discussed the relationships between the natural resource, management, and visitors. This included topics ranging from signage, facilities, carrying capacity, funding, to visitor demographics.

To understand how Oregon manages highly used recreation areas, Fellows visited the most popular site in Oregon: Multnomah Falls. The falls are the tallest in Oregon at 620 feet and they receive over 2 million visitors each year. There were a few surprises here for Fellows, including the lack of an entrance fee and how little time visitors seemed to spend at the falls (about 15 minutes).

To the southeast of Portland, Silver Falls State Park is



In China, the question is often one of visitor management. Termed the "tourism tide," many Chinese visit natural areas during federal holiday weeks. Managers struggle to balance the need for income brought by tourists to the local communities and the damage they cause by sheer numbers.

home to ten waterfalls, and is also very popular with visitors. The management model used at Silver Falls is similar to those used in national parks. Fellows learned about managing visitors alongside wildlife such as cougars, income opportunities such as campsites and cabins, and the historic legacy of the Civilian Conservation Corps.

Fellows discussed interpretation ideas at Cascade Streamwatch, an outdoor education facility operated by the Bureau of Land Management to teach about stream habitats. The site is very popular with school

groups, with art-focused interpretive signs and an underground stream cut-out for salmon viewing.

Several common themes emerged that applied to all countries, including the need to educate visitors and ways to create income for local people not based upon timber. The income issue has become a hot topic for many Fellows entering the Fellowship program, particularly from Taiwan, India, Mexico, and other regions where new environmental restrictions have been implemented to limit logging without concrete plans to provide for impacts on local communities.



Signage, both interpretive and wayfinding, is important for visitors. Here Rick shows a standard federal wayfinding sign and compares it to signage at the Monarch Butterfly Reserve in Angangueo where Mexican Fellow Cristopher Lopez Paniagua's project is based. Local people have added information left off by the original sign developers.



Webster Nursery: Reforestation at Work

Fellows visited Webster Nursery, a 50 year old nursery run by the Washington Department of Natural Resources. The nursery provides 10 million seedlings a year to state and private lands for reforestation. The 260 acre facilities primarily grows 9 species, including Douglas-fir, true firs, pines, and alder. Webster is Washington's only state run nursery and has been self-funded since 1962; all seeds, salaries, improvements and operations are paid from the nursery's \$2.5 million yearly revenues.



Matt, Ma, and Nerijus inspect Douglas-fir seeds before they are machine sowed in the field.



Contract workers separate seedlings, which are then fed through the machine to be transplanted into nursery beds.



Seedlings are lifted by machine, then packed by hand before being sold.

WFI Bids Farewell to Aussie Fellow John Turland

WFI bid farewell to John Turland in March, as he completed his 12-month Fellowship. John is employed by Forests New South Wales where he works as a senior forest analyst. Forests NSW is a Public Trading Enterprise responsible for sustainably managing more than 2 million hectares of public native forests and an expanding estate of hardwood and softwood planted forests.

John's project involved evaluating and compiling information on current systems and approaches used for modelling stand dynamics and silvicultural systems in uneven-aged



John greatly enjoyed getting out of the office and into the field to speak with forest practitioners. Here he is learning about harvest methods from a contractor at Longview Fiber in western Oregon.

mixed species forests, and the integration of this into strategic and tactical forest management modelling. The objective of his project was to identify ways to enhance current wood supply forecasting approaches in Aus-

tralia to address spatial planning constraints and multiple-use objectives of forested land management. His final report will be available for download soon from WFI's publication website.

Education Forester Jill Romine Joins WFC Education Department

Thanks to grant money and a long search, WFC is proud to announce the addition of Jill Romine as an Education Forester to the staff. Jill was selected from a pool of highly qualified candidates and will bring new energy to WFC.

Jill's first degree is in Wildlife biology from the University of Washington College of Forest Resources. She has a diverse background in field work, having completed "everything from slug and snail surveys to tracking cougars, with the majority of my time spent as a fishery biologist."

In 2005 Jill completed a second degree in biology education and obtained her Washington state teachers license. For the past two years she taught in traditional and outdoor

classrooms, including teaching environmental education with Americorp.

"I have spent almost a year looking for just the right job and I feel more than a little lucky to have been offered an opportunity to work at the WFC," says Jill. "My job goals here are diverse but include working to increase the number of school groups visiting the museum, developing educational ma-

terials and working at Magness Tree Farm."

Jill and her partner John, a geologist, reside in Sellwood with a small menagerie that includes their dogs Gracie a rott'n shepard mix, Finnegan the pug, Pablo the cat, and a few fish. She spends a lot of time at her community garden space "attempting to grow vegetables and keeping the slugs at bay."



One of Jill's favorite past times is exploring the Northwest's natural areas with her partner and four-legged companion, Gracie.

Updates from our Alumni Around the Globe

Kyungtae Park (Korea) was promoted to a management position and is now in charge of third party trading business for Eagon Industrial. He primarily works with Chinese and South Asian wooden products and is busy trading Chinese and Malaysian plywood with Mexico and the United States. Kyungtae says that his daughter, Sieun, is missing the US and her American friends, and often asks to visit.



Jiunn-cheng "David" Lin (Taiwan) reports that life is going well in Taiwan. David changed his position with the Taiwan Forest Research Institute last summer to another division, the Taimali Research Center, in southeast Tawain. The center is one of six research centers under TFRI. His duties include managing 1000 hectares of forestlands. He says "the WFI fellowship really gave me a lot of useful experiences for my present work, especially...many ideas in how to plan and manage forest!"

Nancy Lin is now staying at home to take care of their two children. Yo-Yo, the oldest, is four years old and is already learning English. Slinky, the youngest, is one year and five months old. He's walking and speaking simple words. In case you didn't notice, Slinky and Yo-Yo are nicknames that came from a little bit of American influence.



What a resemblance! Sieun (above) dressed in traditional Korean dress and her dad Kyungtae Park (below) after finishing an annual 10K race hosted by his company, Eagon.



John Guyton, an International Educators Institute alumnus, was living in Ocean Springs, Mississippi, when Hurricane Katrina landed. John has since moved inland to work in the Wildlife and Fisheries Department at Mississippi State University. He submitted these few photos and notes on post-Katrina tree recovery in the Gulf Coast.

The live oaks and bald cypress were well adapted to the storms of 2005 on the Gulf Coast and experienced the least damage. The normally evergreen oaks looked naked without their leaves, however, in time their canopy will recover. Compaction from heavy machinery being used to rebuild the coast remains a concern, and some hardwood mortality is expected over the next couple of years. The top left photo is of a live oak that literally stopped this floating casino from moving further on its course!

The pines were another matter. Thousands of trees were initially killed by the storm surge and rocking. The combination of different stressors: woody debris deposited by Katrina, saltwater intrusion, a long drought, a hot summer and numerous wildfires resulted in the most severe Ips, or engraver beetle, outbreak in over a decade. Most of the infestations were initially in downed or snapped timber, but the Ips beetles began moving into stressed live trees in summer 2006. The top right photo shows pines near John's office that suffered from salt burn and erosion.

