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Pacific Southwest Research Station, Albany, CA 94710

Distinguished Publication Award Announced

Two Marks and eight co-authors are winners of the Station's Distinguished Publications Award for 1998. Mark Fenn and Mark Poth are both with the Atmospheric Deposition Research Unit, at the Forest Fire Labortory, Riverside, Calif., and each will receive an engraved plaque. Their paper, published in *Ecological Applications* in 1998, is entitled "Nitrogen Excess in North American Ecosystems: Predisposing Factors, Ecosystem Responses, and Management Strategies." The Committee of Scientists, which received three nominations for publication awards, made its award recommendations to the Station Director. Names of winners and titles of their winning publications are engraved on a permanently hanging plaque at Station headquarters in Albany.

Redding Scientitst Participate in NSF Grant

Two Redding scientists—Bob Powers and Matt Busse—will be collaborating with three colleagues from academia in a $700,000 grant from the U.S. National Science Foundation. Bob is Team Leader—Soil Productivity Research, and Matt Busse is a research soil scientist, both at the Station's Silviculture Laboratory, at Redding. They will join with Dan Binkley of Colorado State University, and Randy Senock and Bruce Matthews of the University of Hawaii—Hilo, in 3 years of research on sustained productivity in planted forests of the tropics. Their research will center on sites now supporting 19-year -old plantations of *Eucalyptus saligna* and P*araserianthes* (formerly *Albizia falcataria)* near Hilo. This eucalyptus plantation has yielded some of the highest rates of productivity ever measure.d . But soil nitrogen has steadily declined beneath eucaluyptus, while soil phosphorus availability has increased. The opposite is true for *Paraserianthes*, a nitrogen-fixing tree. Soil nitrogen has increased significantly, but soil phosphorus availability has declined.

"This phenomenon raises several questions at the heart of sustainable forest productivity," says Bob. "First, can productivity in fast-growing plantations be sustained over multiple rotations of a monoculture (species A replacing species A)? Or will soil changes mean that species should be rotated (species A replaced by species B)? Second, what are the basic mechanisms that explain this difference?"

The team of FS and university scientists hypothesizes that *Paraserianthes* replacing *Paraserianthes* will decline in productivity (and in nitrogen fixation rate) because of phosphorus deficiency, and that eucalyptus replacing eucalyptus will decline from cumulative nitrogen deficiency. But replacing one species with another will show equal or higher productivity in the second rotation. To test their hypothesis, the team plans to harvest existing plantations and replant

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PSW Library Starts Move to Mare Island

The Station Library will start its relocation from Albany to Mare Island, north of San Francisco, on Feb. 2, according to Sara Garetz, Group Leader—Library. It will be in a new building now nearly completed that will house the FS Region 5 headquarters. The library's move is scheduled to be completed on Feb. l0. The new address of the Regional office is 1323 Club Drive, Vallejo, CA 94592, and the phone number is (707) 562 plus extension.

Librarian Patricia Pepin (ext. 8658) and library technicians Farrell Dernbach (ext. 8660), Thelma Kaduwo (ext. 8661), and Vi Orje (ext. 8659) will staff the Mare Island facility.

An estimated 30,000 books and technical reports and 130 journal titles are being readied for shipment from Albany to Mare Island in the next several weeks. In addition, nearly 60 journal titles and collections of films, videos, and cultural materials will be moved from the FS Regional Offices, and integrated and catalogued with the PSW holdings. But not everything is being moved from Albany headquarters. Copies of the Decisions of the Comptroller General, Federal Register, Record of Federal Decisions, United States Code, and telephone directories will remain.

"Surveys tell us that a lot of people are satisfied with the services they are getting from the Station Library, such as literature searches and document delivery," says Pat. "But many are unaware of the current awareness services that we provide. These include awareness searches, table of contents, Monthly Alert, Management Alert, and the library website (http://library.psw.fs.fed.us). Our move to Mare Island will mean that for the first time, all of our permanent staff will be at one location. We are planning an open house in the future, and hope that the rest of the Station staff will be able to visit our new facilities."

Space was a major consideration in relocating the Library to Mare Island, where it will have twice as much room as it now has.. That additional space will allow for the document collections now scattered in the San Francisco and Pleasant Hill regional offices to be shifted to Mare Island. Funding for the Station Library is split between the Station and FS Region 5. And most of the library users are from the Region.

The move will be only the PSW Library's second since 1960, when it was founded as the first professional library in the agency, at Station headquarters in Berkeley. It remained there until 1993, when it moved to its present location, in the USDA Complex, in Albany. Bruce Yerke was hired as the agency's and Station's first professional librarian. In time, as the needs for more information grew, the unit became less of a traditional library and more of an information retrieval and document delivery network that expanded from a Stationwide to a regional

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(Redding, continued)

them to either the same or different species (A to A, A to B, B to B, and B to A).

Matt and Bob further hypothesize that a major cause of soil chemical changes is the nature of organic decomposition products of eucalyptus and *Paranserianthes* leaf litter that controls the biological availability of soil phosphorus. They intend to test the importance of nitrogen and phosphorus as controlling nutrients through inorganic fertilization involving isotopes. They will also study the effects of microbials and earthworms on soil nutrients.

The research to be done under the grant seeks to enhance the newly-implemented tropical forestry curriculum at the University of Hawaii—Hilo, and contribute to the scientific training of students in the fields of soil chemistry and microbiology, plant physiology, and botany. And it is tntended to complement programs already underway at the Station's Institute of Pacific Islands Forestry, at Honolulu, in the role that tropical plantations may play as "nurse crops" for establishing native forest species.

New to PSW

A budget analyst with the U.S. Navy and later with the Drug Enforcement Agency, and a sergeant in the U.S. Marine Corps—that sums up Elizabeth Jean DeHoyos's Federal career just before she joined the Station's Budget/Financial Management Group, at Albany last month. as a budget/accounting analyst. Jean, who goes by that name, served as a disbursing officer in the Marine Corps, first in San Diego and later at Treasure Island in San Francisco Bay. And it was while in the military service that she met her future husband. She worked in retail sales before she took her first civilian government job, as a budget analyst/financial specialist with Naval Supply Center, in Oakland in l987, After the Center closed, she worked for the Drug Enforcement Agency, in San Francisco, for 3 months before joining PSW.

Born in Coffeeville, Kans., Jean was reared from the age of 6 months in Vestaburg, Mich., near Lansing. The DeHoyos family includes husband Gilbert, who is spoilage manager for a wholesale winery; son Robert, who is in construction; and son Gilbert, Jr., who is a house and industrial painter. They live in San Lorenzo, south of Oakland. Jean's hobbies include swimming, bicycling, and fishing. She says she is glad to be at PSW, but really does not see too much difference between the way the FS and the military departments operate.

Pacific Southwest Research Station
Forest Service, U.S. Department of Agriculture
P.O. Box 245
Berkeley, CA 94701-0245

(Library continued)

and then an agencywide center. At the national level, the network became FS INFO. Formerly headquartered in Washington, D.C., and now in Atlanta, FS INFO manages the agency's vast library catalog and database.

Personnelly Speaking

Extra-Effort Awards

To following members of the Institute of Forest Genetics, Placerville, "for design, construction, and staffing of a display on the unit's research program."

* Annette Delfino-Mix, biological science technician
*Gayle Dupper, biological science technician
* Kathleen Jermstad, biologist
* David Johnson, biologist
* Christine Nelson, support services specialist
* Roger Stutts, forestry technician
* David Wren, forestry technician

To following members of Sierra Nevada Montane Ecosystems Research Unit, Fresno, "for providing invaluable service to the Station and FS Region 5 in training and certifying employees in tree climbing techniques:"

* Douglas Dryman, wildlife biologist
* Kevin Mazzocco, wildlife biologist
* Kathryn Purcell, research wildlife biologist

Appointment

* Robbie Chrishon: from Director of Procurement and Property, FS Region 8, Atlanta; to Director of Acquisition Management, FS Washington Office.

Meetings/Conferences/Seminars

* Danny Lee, Team Leader—Sierra Nevada Science Integration, Sacramento, offered an "Overview of the Sierra Nevada Science Integration Team," on Jan 7, at the University of California at Davis Environmental Horticulture Seminar series.

For Your Information i*s published every other week at Albany. Vince Dong (510-559-6324; vdong/psw@fs.fed.us) editor. Field correspondents: Brian Boroski (Fresno), Yvonne Cordeiro (Hawaii), Phil McDonald (Redding), Chris Nelson (Placerville), Lola Thomas (Riverside), Bob Ziemer (Arcata).*