

Peter J. Fix Assistant Professor of Outdoor Recreation Management

PhD, Colorado State Univ. '02. Research interests are the human dimensions of natural resource management, recreation plannning and participation, resource-based tourism, recreation economics, and recreation research methods. He teaches outdoor recreation management. E-mail: ffpjf@uaf.edu

Sidney Stephens Instructor of Global Change Education

MEd, Univ. of Alaska Fairbanks '86. Her focus is K-12 teacher education. She is particularly interested in rural schools and the challenge of connecting the often-disparate perspectives and domains of school and community and of science and traditional ecological knowledge. She teaches science education courses for teachers. E-mail: ffss | @uaf.edu



Degrees offered at SNRAS:

Bachelor of Science in Natural Resources Management
Forestry Option
Plant, Animal, & Soil Sciences Option
Resources Option
Bachelor of Science in Geography (Environmental Sciences)
Bachelor of Arts in Geography

Master of Science in Natural Resources Management

PhD (Interdisciplinary Studies)

Facilities at SNRAS:

Agricultural & Forestry Experiment Station Fairbanks Experiment Farm Georgeson Botanical Garden Matanuska Experiment Farm Reindeer Research Program

Bonanza Creek Experimental Forest

Caribou/Poker Creeks Research Watershed

Delta Junction Field Research Site

Palmer Research and Extension Center

Point MacKenzie Field Research Site

Geography



Kenneth A. Barrick Associate Professor of Geography

PhD, Southern Illinois Univ. '83. Dr. Barrick's research centers on the nutrient ecology of plants growing in extreme environments, such as alpine treeline and windy coasts, and also works on estimating the nonmarket value of wilderness. He teaches wilderness concepts, physical geography, weather and climate, and quantitative methods. E-mail: ffkab@uaf.edu

Cary W. de Wit Assistant Professor of Geography

PhD, Univ. of Kansas '97. Dr. de Wit specialzes in human geography. Recent research interests include sense of place, perceptual geography, cultural geography, and American culture regions. He teaches regional geography courses on Alaska, North America, the circumpolar North, Europe, and Asia. E-mail: ffcwd@uaf.edu



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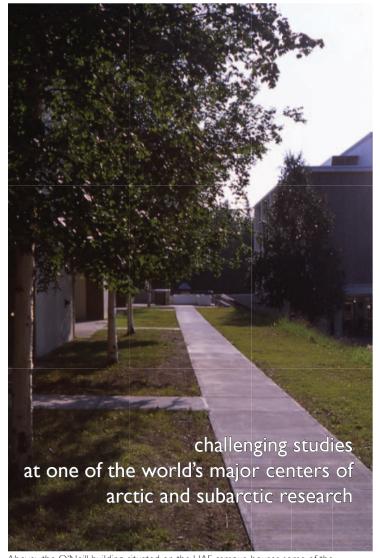
The University of Alaska Fairbanks is accredited by the Commission on Colleges of the Northwest Association of Schools and Colleges. UAF is an AA/EO employer and educational institution.



Faculty

School of Natural Resources and Agricultural Sciences

fostering creativity



Above: the O'Neill building, situated on the UAF campus, houses some of the school's laboratories, staff, and faculty.

Resources Management



Carol E. Lewis Dean, SNRAS, and Director, AFES Professor of Resources Management

PhD, Georgetown Univ. '70; MBA, University of Alaska Fairbanks, '76. Dr. Lewis works with controlled environments, resource technologies and marketing, and the economic impacts of resource development in the state. E-mail: ffcel@uaf.edu

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Susan Todd Associate Professor of Regional & Land Use Planning

PhD, Univ. of Michigan '95. Research focuses on conflict resolution, mediation, public land use planning, and the use of web surveys and list-servs to poll public opinion. Courses: natural resources conservation and policy, resource planning theory and practice, and readings in natural resources. E-mail: susan.todd@uaf.edu



Plant, Animal, and Soil Sciences



G. Allen Mitchell Associate Dean, SNRAS, and Associate Director, AFES **Professor of Agronomy**

PhD, Univ. of California, Riverside '77. Dr. Mitchell's research and extension background is in soil fertility, soil reclamation, and soil-plant-water relationships. E-mail: pfgam@uaa.alaska.edu

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PhD, Michigan State Univ. '87. Research includes high-latitude temperature and light effects for improved greenhouse crop production and an extended growing season. Courses: introductory plant science & orientation to natural resources management. E-mail: ffmgk@uaf.edu

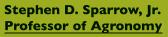
Jenifer Huang McBeath Professor of Plant Pathology/ **Biotechnology**

PhD, Rutgers Univ. '74. Research includes biological disease controls using Trichoderma atroviride on disease-causing fungi, enhancing disease resistance, and conducts research with potato viruses. She teaches plant pathology. E-mail: ffjhm@uaf.edu



Chien-Lu Ping Professor of Soil Sciences

PhD, Washington State Univ. '76. Research includes wet soil monitoring and hydric soil studies, winter carbon flux in arctic tundra, characterization and bioavailability of soil organic matter in tundra soils, and stream water quality. E-mail: pfclp@uaa.alaska.edu



PhD. Univ. of Minnesota '81. Research interests are nitrogen cycling in agricultural soils, long-term effects of tillage, and forage management. He teaches soil biology, soil management, and research methods. E-mail: stephen.sparrow@uaf.edu



Patricia S. Holloway Associate Professor of Horticulture

PhD, Univ. of Minnesota '82. Research includes production methods for native horticultural crops. She teaches courses in plant propagation, greenhouse management, and senior thesis. Dr. Holloway founded and directs the Georgeson Botanical Garden. E-mail: ffpsh@uaf.edu

Milan Shipka **Associate Professor of Animal** Science and Extension Livestock **Specialist**

PhD, Utah State Univ. '96. Dr. Shipka's research focuses on reproductive physiology and behavior of traditional and alternative ruminant species in the Alaska livestock industry. He teaches animal science. E-mail ffmps@uaf.edu





Norman R. Harris **Assistant Professor of Range** Management

PhD, Oregon State Univ. '01. A range ecologist at the Palmer Research and Extension Center, Dr. Harris examines and models animal distribution patterns. He also monitors and quantifies range vegetation using remote sensing. Other interests are stream morphology and the time-

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Mingchu Zhang **Assistant Professor of Agronomy**

PhD, Univ. of Alberta '93. Research interests include the relationship of soil fertility to plant nutrition and soil environmental chemistry. Recent investigations include the effects of manure and compost on soil quality and crops; heavy metals from municipal composts; phosphorus runoff; and greenhouse gases emission.

Reindeer Research Program

BS. Univ. of Alaska Fairbanks, '81. Greg Finstad's research interests include wildlife ecology, plant-animal interactions, climatevegetation dynamics, stable isotope chemistry, and reindeer management. He teaches range management and reindeer husbandry. E-mail: ffglf@uaf.edu





Glenn Iuday **Associate Prof. of Forest Ecology**

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Edmond C. Packee Professor of Forest Management

PhD, Univ. of Minnesota '76. Research interests include forest growth and yield, forest productivity, individual tree volume equations, permanent sample plots, silviculture, stocking effects on yield and wood quality, forest health and protection, and the characterization and management of ecosystems. Courses: silvics and dendrology, silviculture, forest health and protection, and ecosystem management. E-mail: ffecp@uaf.edu



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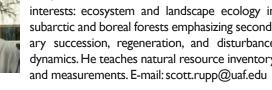
John D. Fox, Jr., Associate Professor of Land Resources Management

PhD, Univ. of Washington '76. Research includes hydrology, watershed modeling, and landscapelevel management. He teaches courses in watershed management, forest management, resource measurements and inventory, simulation and modeling, environmental ethics, and biometeorology. E-mail: ffjdf@uaf.edu



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David Valentine Assistant Professor of Forest Soils

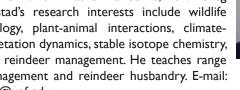
PhD, Duke Univ. '90. Research interests: ecosystem ecology, biogeochemistry, and element cycling in natural and disturbed ecosystems. Recent research focused on the role of soils in generating or consuming trace gases, especially methane, that control Earth's climate. He teaches forest soils and nutrient cycling. E-mail: ffdwv@uaf.edu







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Forest Sciences