Indy Burke will be visiting the Institute for Ecosystem Studies at Millbrook, NY, on Apr. 11-15 as the Visiting Distinguished Ecologist. She will present an informal seminar to discuss differences in aboveground and belowground disturbances in grassland ecosystems and a formal seminar titled "Effects of Grazing and Cultivation on Grassland Ecosystems."

Carol Simmons co-authored a recently released report titled "Agricultural Experiment Stations and Global Climate Change." This report was written while Carol served on the Ad Hoc Subcommittee on Weather Issues over the past 2 years for the Experiment Station Committee on Organization and Policy.

Diana Freckman has been named Chair of the National Research Council Committee to Review and Evaluate the U.S. Department of the Interior's Biomonitoring of Environmental Status and Trends (BEST) Program. They will meet May 19-20, 1994.

Indy Burke has accepted a position on the NSF Panel to review Synthesis Centers. The panel will review preproposals in April, full proposals in August, and will do site reviews in September.

Diana Freckman has been named a Member, Advisory Planning Board for a National Biodiversity Information Center, chaired by Tom Lovejoy. Diana attended a meeting March 20-22 at the Smithsonian in Washington, DC.

The new CSU Visitors Center is now open. It is located at the southwest corner of Pitkin and College. Their purpose is to provide a multitude of information and directions to all visitors at CSU. The Center will have an extensive collection of University-related brochures and maps, as well as complimentary coffee and a telephone for local phone calls. They can also provide Guest Parking Permits for your visitors, so please direct your visitors to the Center for these types of service.
Meet n s

On behalf of President Clinton and Vice-President Gore, Diana Freckman and David Schimel were invited to participate in a National Forum on Environment and Natural Resource RD, organized by the Office of Science and Technology Policy in cooperation with the National Academy of Sciences and the National Academy of Engineering, which took place in Washington, DC, from March 2 -0, 1994. The goal of this Forum was to provide the National Science and Technology Council with guidance that can be used both in the development of near-term priorities and in the establishment of a long-term National RD Strategy for Environment and Natural Resources. Principal issues addressed were research in the areas of: Global Change Biodiversity and Ecosystem Management Resource Use and Management Water Resources, Coastal and Marine Environments Air uality Toxic Substances and Hazardous Solid Waste and Natural Disasters.

Jeff Welker presented two invited seminars this month. March 24 at CPER -LTER titled "Tundra and grassland responses to environmental manipulations of climate" and March 2 at the Institute of Arctic and Alpine Research, Univ. Colorado, Boulder titled "Scandinavian arctic ecosystem responses to simulated changes in climate."

Jill Baron was an invited speaker to the Institute for Ecosystem Studies in Millbrook, NY, March 1 - 19. During this time she gave two seminars and met with most members of the IES.

Ted Elliott and eith Paustian were invited participants in an international workshop entitled "Management of the Soil Biota in Sustainable Farming Systems" which was held in Adelaide, Australia, March 15-1. A wide range of topics on ecology and management of both introduced organisms and existing soil biota were covered. Proceedings have been published and copies of papers by both eith and Ted are available from the NREL Publications Office.

Dennis Ojima participated on a Review Panel for CSRS in Washington, DC, March 26 -1.

Bill Parton, Deb Coffin, Bill Lauenroth and ose Paruelo are in Apeldoorn, The Netherlands, to attend an IGBP workshop on "Application of Forest Stand Models to Evaluate Global Change Issues" from March 2 to April 2.

Mike Coughenour presented a paper which was co-authored by Dexing Chen titled "Linking ecophysiology and ecosystem process models to assess grassland responses to atmospheric change" and participated in the IPCC Vulnerability Studies Workshop at Raleigh, NC, on March -12. Jim Deting chaired the Steering Committee and Diana Freckman was a discussion leader at the workshop.

As a member of the Advisory Committee for the Environmental Sciences Division, Oak Ridge National Laboratory, Diana Freckman attended the March 1 -15 meeting in Oak Ridge, TN.

Kathy Galvin presented an invited paper on the Tanzanian project titled "Ecology and Economy of Pastoral Nutrition in Ngorongoro Conservation Area" at the Environmental Studies Seminar Series, U. of Nebraska, Lincoln, on March 9-10.
Diana Freckman and Bob Niles attended the Bodega Field Conference Second Annual Workshop, "Spatial analyses of GIS data: a case study using a California prairie community." The workshop was held March 25-27 at Bodega Marine Laboratory, Bodega Bay, CA.

Laura Powers attended the McMurdo Dry Valley LTER meeting in Boulder, March 29-0.

**Stors**

Tom Hobbs will host Dr. Andrew Illis from the Institute of Cell, Animal, and Population Biology, Univ. of Edinburgh, Scotland. Dr. Illus will be here April 24-2.

Dr. Per Lundberg, Department of Wildlife Ecology, Swedish Agricultural University, Umea, Sweden will be in Fort Collins May 5-9. He will be hosted by ohn Gross.

ken Hodgkinson will be visiting April 11 -1 to discuss research with M. Coughenour, B. Lauenroth, I. Burke, J. Detling and B. Parton. Dr. Hodgkinson is co -leader of the National Rangeland Program of CSIRO, Division of Wildlife and Ecology, Canberra, Australia. He is interested in RD in the area of integration of production and conservation goals, adaptive management research as an approach, and plant-animal interface research. He is also interested in tactical grazing systems based on key species responses in the context of landscape ecology. If you would like to visit with Dr. Hodgkinson, he will be available about 2- 5 pm on the 11th, all day on the 12th, and early on the 1th. Please contact Mike Coughenour at 1 -552.

Carol Simmons sponsored a visit with Pete Commanor, Stan Coloff, Linda Petit Waldner and Al Riebau of the National Biological Survey on March 4 at NREL to discuss project activities.

**Ne Em o ees**

David Thomas is sponsored by and working on the CENTURY model with Becky McKeown, Bill Parton and Dennis Ojima. David is a recent graduate of the CSU Math Department where he studied math and actuarial science. He is helping with the testing and maintenance of CENTURY Version 4.0. In the fall he plans to return to school to pursue a graduate degree in Statistics.

**rnts unded**

Tom Hobbs was awarded 6 in funds for Research in Undergraduate Education from the NSF Ecology Program.

**ro ect ro ress Re orts**

By Brown submitted a progress report titled "Testing Models of Plant Canopy Structure and Gas Exchange" for renewal of a NASA Global Change Fellowship on March 24. The object of this study is to test the applicability of simple models of plant-mediated, land surface-atmosphere gas exchange in complex vegetation canopies.


Submitted


ohn Gross and Tom Hobbs submitted "Maintaining Vertebrate Diversity in Human -Dominated Landscapes" to the Natural Resources Policy Institute in the CFNR.

David Swift submitted "SANREM CRSP Annual Workplan - NREL Modeling Activity and Related Topics" to U of GA/USAID.

Dennis Ojima submitted "Potential Climate Change and CO2 Impact on Forage Production" to Industrial Economics, Inc.

eith Paustian submitted "Analysis of Production, N Dynamics and Profitability in Complex Cropping Systems" to USDA/NRI/CGP, Agricultural Systems Panel.

Tom Stohlgren and Dave Swift submitted "Support for Global Change Research Program" to U.S. National Park Service.

Mike Coughenour submitted "Landscape-Sensitive Indicators of Grassland Ecosystem Responses to Grazing and Climate" to EPA.


Bill Parton and Dennis Ojima submitted a continuation proposal titled "Application of Century Model to Evaluate the Ecological Effects of Climate Change" to USDA/FS.

Bill Parton submitted a continuation proposal titled "Testing Models of Plant Canopy Structure and Gas Exchange" to NASA.

Bill Lauenroth, Bill Parton and Deb Coffin submitted a continuation proposal "Coupling Ecosystem Processes and Vegetation Pattern Across Environmental Gradients" to NSF.

Deb Coffin, Indy Burke and Bill Lauenroth submitted a supplement proposal to NSF titled "Long-Term Ecological Research Program: Shortgrass Steppe."
Bill Hunt submitted a revised proposal titled "Analysis of Changes in Soil Carbon Balance" to USDA/ARS.

M nscr ts u s ed


erson s

ack and Betty Lou Hautaluoma will travel to San Diego, CA, April 2, to attend the official presentation of "The Outstanding Lawyer Award" to their daughter, Jodi, in recognition of an excellent job done on her first court trial.

Connor Stohlgren (age 11 3/4, 6th grade) was awarded "Best of Fair" at the Timnath Elementary School 1994 Science Fair. His seven week project entitled "Will the Greenhouse Affect Grass Species" involved types of grasses, two watering regimes, and 24 jam jars (four replicates each). His father, Tom, who never won a prize for his research, just stayed out of the young scientist's way. Connor competes in the PR-1 District Science Fair next week.

T ou t or t e

Ecosystem management without ecosystem science is like a 6-year-old Little League team without a coach. Let's Play Ball

The NREL NEWS NOTES will be published the first week of each month. Please give your news items to Kay by the last Monday of each month.