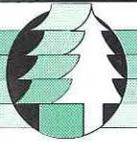


focus on forestry

at Oregon State University

Winter 1988





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College of Forestry
Oregon State University

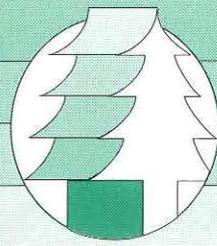
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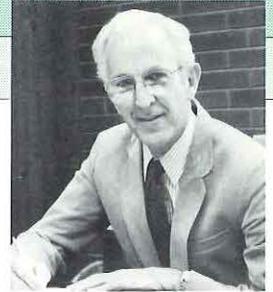
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from the Dean



I'd like to introduce you to the College's newest freshman, Focus on Forestry. Prepared for students, alumni, faculty, and friends of the College of Forestry, it will share information about the activities of these groups who together are the College. Their earlier accomplishments built the reputation the College enjoys today; their current accomplishments are both the College's contributions today and the reputation capital we are building for the College tomorrow. Thus, their activities and accomplishments are important, and I believe you will find them both interesting and challenging.

As Dean of our College for the past 21 years, I have had the rare experience of being in touch simultaneously with a good many forestry students, faculty, alumni, and friends. It has been a most enjoyable and inspiring experience—one I have wanted but unfortunately have been unable to share very well across these four groups. As a result, alums and friends don't know or fully appreciate the fine young people who will soon be graduating from the College. Students aren't able to be fully challenged by what earlier graduates and faculty have accomplished and are accomplishing. Many don't know of exceptional student and faculty opportunities made possible by friends.

Focus on Forestry is an experiment in sharing some of these experiences and friendships—hopefully bringing closer together the College's students, alumni, faculty, and friends. Students, of course, can't know all of the alumni (or even all of the faculty), but I believe they will gain from knowing about even a few of them. Alumni and friends can similarly feel closer to and perhaps be enabled to help students by learning of the activities of even a few of them. By knowing more about each other, I believe we will discover both our interdependence and how we can be more effectively and mutually supportive.

Thus, Focus on Forestry will try to personalize the College—its students, graduates, faculty and friends. If Focus is successful, you'll become an even more enthusiastic participant on your College of Forestry team—and you may become almost as proud of the team as I am!

Carl Stoltenberg, Dean
College of Forestry
Oregon State University



The Forestry Media Center celebrates its 25th Anniversary this year. Jeff Hino, media production specialist, demonstrates equipment in the video editing room.

What began 25 years ago with little more than a tape recorder, a slide projector and an educator with a good idea has evolved into what some consider the most innovative, well-respected forestry instructional development center in the country.

Now called the Forestry Media Center (FMC), the center began in 1962 with a small grant from the Hill Family Foundation and Dr. Bob Reichart, a professor in the College of Education and colleague of then Dean McCulloch. With a commitment to education and an interest in forestry, Reichart experimented with some new educational philosophies to improve the quality of teaching in the College of Forestry.

Reichart introduced self-paced instruction using various audio-visual aids, which at the time represented a striking departure from the traditional group-paced lecture

teaching style that dominated most universities. He called his room of home-made carrels in the basement of the Forestry Building the "Self-Learning Center."

After 10 successful years, the Student Learning Center received another Hill Family grant to begin producing educational packages on various forestry topics for use outside the School of Forestry - for groups like woodland owners, mill owners, and forest managers.

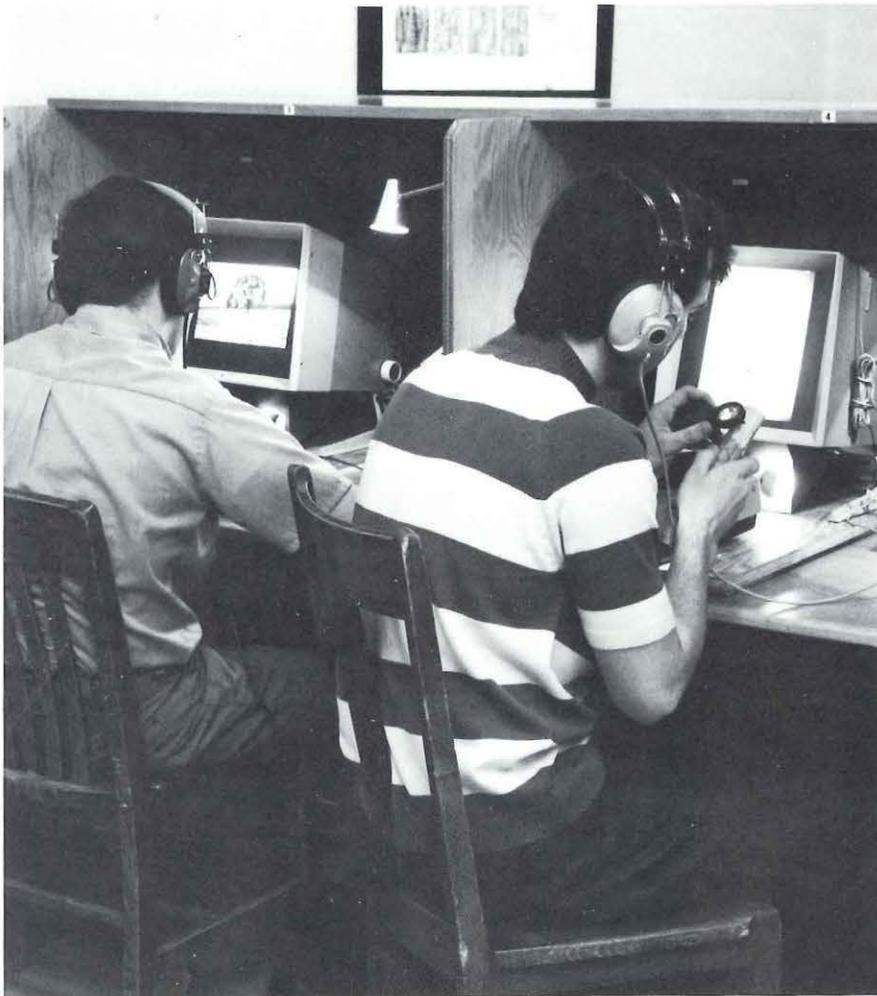
The ideas stuck. Over 25 years, the media center has evolved from a one-man audio-visual access center to its present role as an instructional improvement center with a four-person full-time staff with backgrounds

Forestry Media Center

25 years

in both media production and instructional technology.

During the 1970s, media production use by faculty members and others outside the School of Forestry became so prominent that the SLC's name was changed to the Forestry Media Center to reflect its expanded role. Since 1973, the



The Forestry Media Center grew out of the College's first Student Media Center in the Basement of the old forestry building on campus.

center has produced over 90 slide-tape programs and films, estimated to reach over 60,000 viewers each year outside the university. The Self Learning Center remains as one arm of the media center function.

Despite the expanded role outside the College of Forestry, Forestry Media Center staff members continue to emphasize improved instruction within the College of Forestry.

"We continue to receive more and more requests for projects both from within and outside the college," says Ed Jensen, Forestry Media Center director since 1976. "We work with the instructors to improve their teaching in a variety of ways,

not just to design one audio-visual program for their class."

Sometimes staff members work with professors to revamp a course to provide clearer teaching objectives, or to improve their audio-visual use in the classroom.

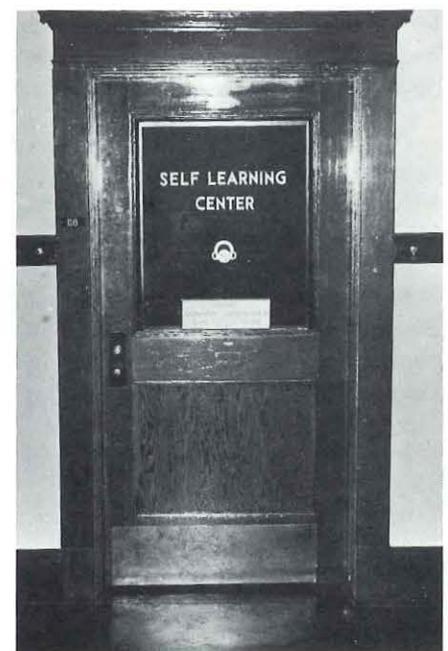
"We are willing to consider almost any project that will either improve teaching in the college or lead to a better understanding of forests and forestry outside the college," says Jensen.

In addition to producing audio-visual teaching packages requested by faculty members, the media center sponsors workshops and seminars for faculty members in

topics such as use of overheads, audio-visual equipment, non-traditional teaching techniques, and video production techniques.

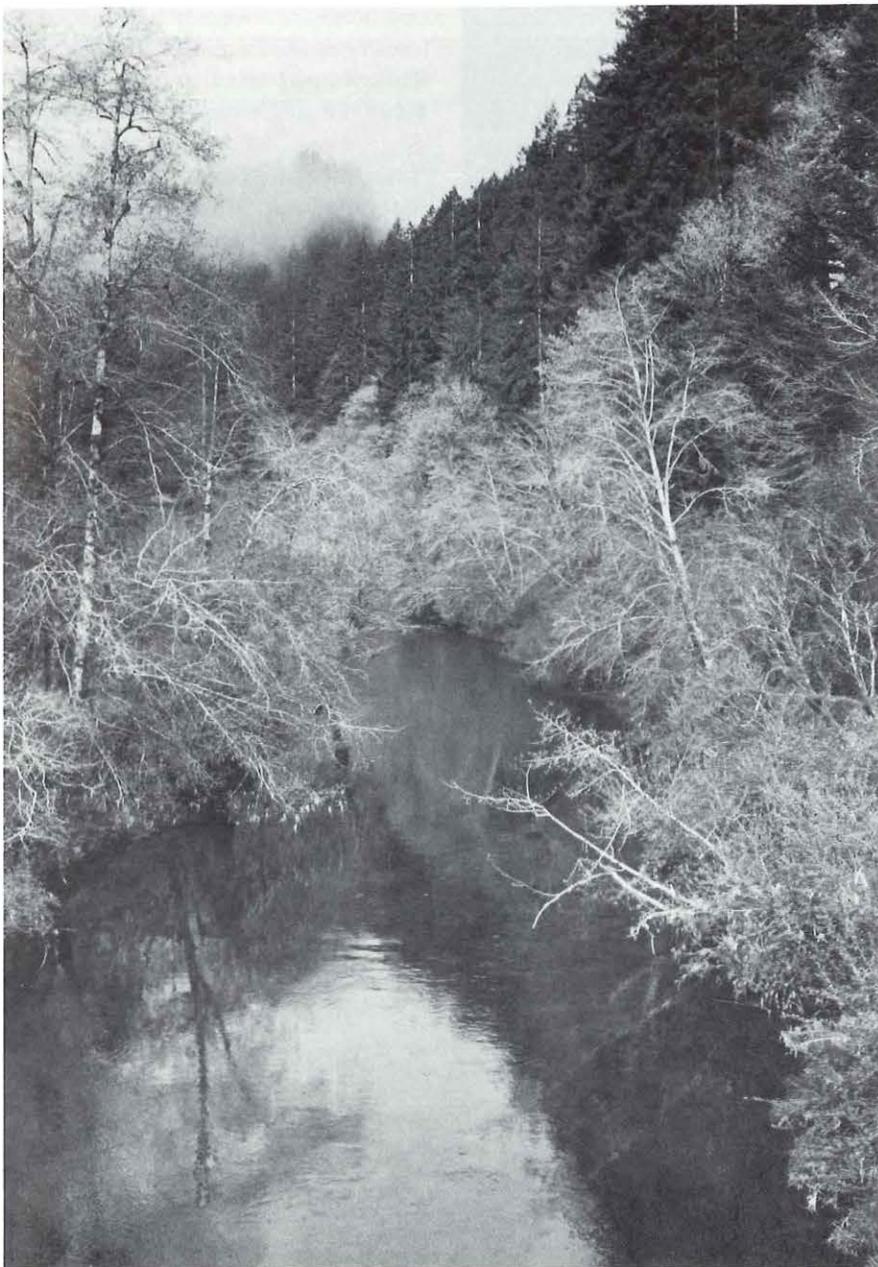
The FMC publishes a quarterly newsletter for faculty members on services and programs available from the media center and elsewhere on campus.

While the self-paced Self Learning Center concept is no longer unique to the College of Forestry and Oregon State University, Jensen believes that the Forestry Media Center's comprehensive involvement in instructional development is one-of-a-kind in the country. The focus on effective teaching techniques demonstrates the commitment of OSU College of Forestry to leadership in forestry education.



Learning more about Oregon's coastal forests

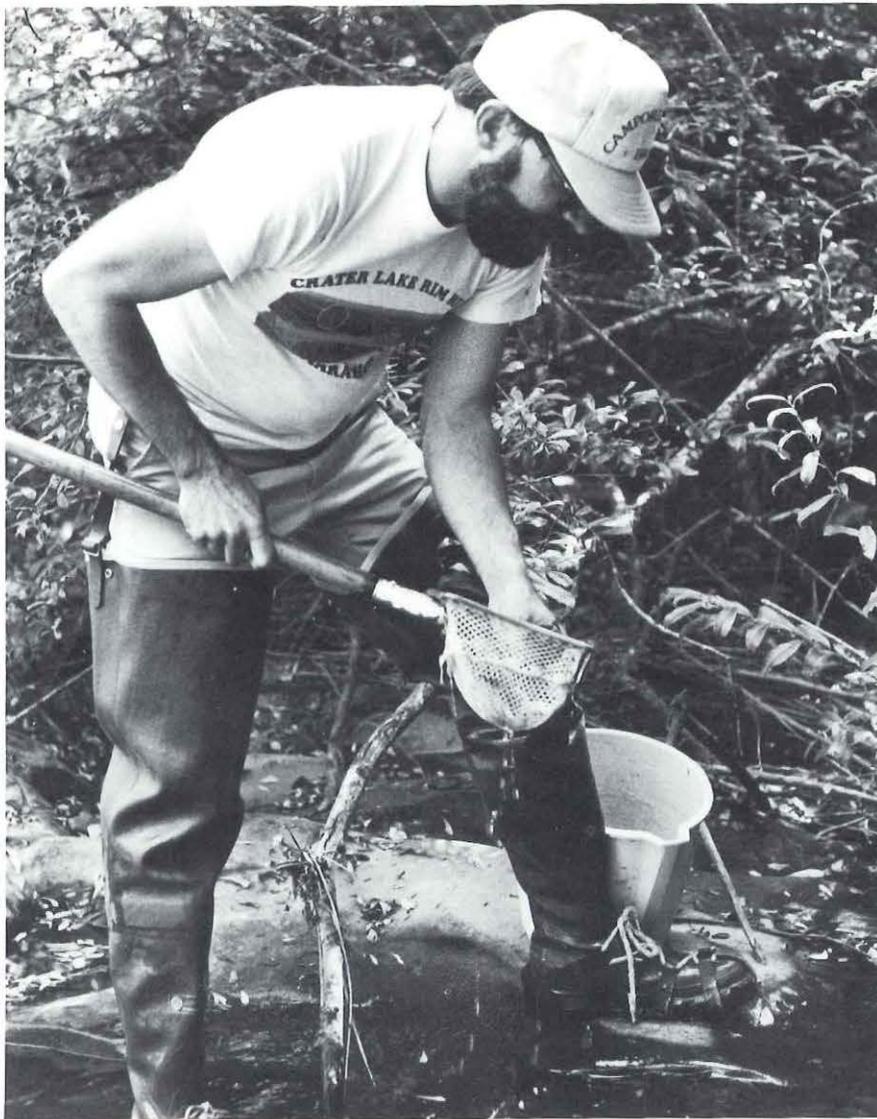
COPE



The people of Oregon have long recognized the value of the lush and productive Coast Range forests. The seven million acres of forest that cover the Coast Range mountains of western Oregon provide valuable timber, abundant wildlife, an important fishery, recreation for citizens and tourists, and water for over 100 coastal communities. With the varied and important benefits and the challenging land-use issues associated with the Coast Range, managers, policy makers and members of the public concerned with the management of these forests need the most up-to-date scientific information about the biology and economics of various alternatives to guide their decisions.

Researchers at the College of Forestry, in cooperation with USDA Forest Service Pacific Northwest Research Station and land managers from other public and private forestry organizations in Oregon, have launched a new research program called "COPE" (Coastal Oregon Productivity Enhancement) program to learn more about the biological and economic consequences of forest management practices in order to help decision makers in the management of the Coast Range forests.

The goal of COPE is to increase the economic and social benefits



The COPE project is designed to obtain more information about Oregon's Coast Range forests, including riparian zone management. Photo by Gretchen Bracher.

derived from these forest-related resources.

"We hope to gain better information so that we can show managers the trade-offs of their various choices," says Steve Hobbs, leader for the program. "Current regulations and laws are based on the most current biological and economic information available. We want to be sure that they have even better information."

The 10-year program that began last spring emphasizes interdisciplinary research in two major catago-

ries- riparian zone (streamside) management and regeneration-related practices. It will have two phases- "Fundamental COPE" which involves developing new information, and "Adaptive COPE" which involves adapting current research to Coast Range conditions and delivering educational programs to natural resource managers and specialists.

Thirteen fundamental COPE studies are already underway by multi-agency, multi-disciplinary teams examining topics ranging from prescribed fire to fish habitat

and riparian zone interaction and wildlife habitat in riparian zones.

The Adaptive team, which consists of four scientists from four disciplines, will be in place by spring at the field headquarters located in the Marine Sciences Center at Newport. The team will conduct educational programs.

One of the outstanding aspects of the COPE program, according to George Brown, Associate Dean for Research, is that it will examine what practices can provide what combination of benefits. Previous forestry research about the Coast Range forests usually concentrated only on a single benefit, he explains.

An advisory council with representatives from private forest industries, fisheries and wildlife agencies, public natural resource agencies, county officials, forestry associations, and private citizens provide direction and help set priorities for the program.

Hobbs, who served as Adaptive FIR (OSU Forestry Intensified Research Program) leader in Medford before coming to his current position last summer, was recently awarded a national Society of American Foresters 1987 Technology Transfer Award for his work on the FIR project, which is a research program designed to find solutions to reforestation problems in southern Oregon.

The College of Forestry's Department of Forest Engineering is considered a leader in forest engineering instruction and innovation, and Associate Professor John Sessions is part of the reason. Sessions' work in teaching and curriculum innovations, computer software development, and economic analysis research are recognized in both the national and international forestry and engineering professions.

Nearly 75 percent of his time is allocated to teaching and continuing education. Sessions teaches four graduate and one senior course in logging mechanics and forest transportation, one freshman course in computer programming for forest and civil engineers, and team-teaches two modules in the Forest Engineering Institute. Sessions considers the link between theory

for the USDA Forest Service. After a year as civil engineer for the Forest Service on the Willamette National Forest, Sessions attended the University of Washington for a second master's in forest engineering.

In 1978 he completed a PhD in forest economics from the OSU College of Forestry. Before returning to OSU in 1983 he had worked at the district, forest, regional and national offices, and in research for the Forest Service as well as three foreign assignments. Resigning from the Forest Service in 1980, he joined JARI, the world's largest



John Sessions - a leader in forest engineering innovation

and the "real world" one of the most important attributes of his teaching.

"When people finish these courses, they not only understand theory but are able to apply it," he says. "I try to emphasize 'real world' problems."

And Sessions has seen a great deal of the "real world" in his time. He has spent much of his career working as engineer, harvesting and transportation planner and forest economist in North and South America as well as other parts of the world.

He began his career in engineering, earning a bachelor's degree in engineering in 1966 and a masters' in civil engineering in 1968 in California while working summers

tropical plantation harvesting operation in the Amazon Basin, first as systems analyst and then as harvesting manager.

Sessions has a nine-month appointment with the College of Forestry; he and his son, Bren, also have a forest engineering software development business. Many of the tools he uses in his engineering classes have been developed from work on his consulting projects.

"I enjoy this type of applied research where the 'marketplace' determines the value of the product, he says.

Included among these are programs to analyze logging transportation (NETWORK), to evaluate logging and road

construction costs (PACE), and to optimize tree bucking (BUCK).

Although only a minor part of Session's appointment is allocated to research, Sessions has authored or coauthored more than 30 papers during the past four years.

"John's research has significantly improved our ability to make good decisions on road construction and system development, log transport and bucking for optimal value," says George Brown, Associate Dean for Research. "He has that ability to analyze a complex practical problem, formulate a mathematical solution and then convert that into a technique that forest managers can easily use."

Sessions also enjoys professional service. He is chairman of the Mountain Logging Group of the International Union of Forest Research Organizations, associate editor of the Western Journal of Applied Forestry, and secretary of the Systems Analysis Working Group for the Society of American Foresters.

The Forest Engineering Institute provides up-to-date training in logging, road-building and environmental effects of forest operations for foresters and engineers.

Every winter, over 40 natural resource professionals from several disciplines in public and private forestry organizations converge at the College of Forestry to improve and update their skills in forest engineering. With backgrounds in forest management, forest practices, safety, logging and many other forest-related fields, these professionals take advantage of expertise at the College of Forestry by participating in a unique,

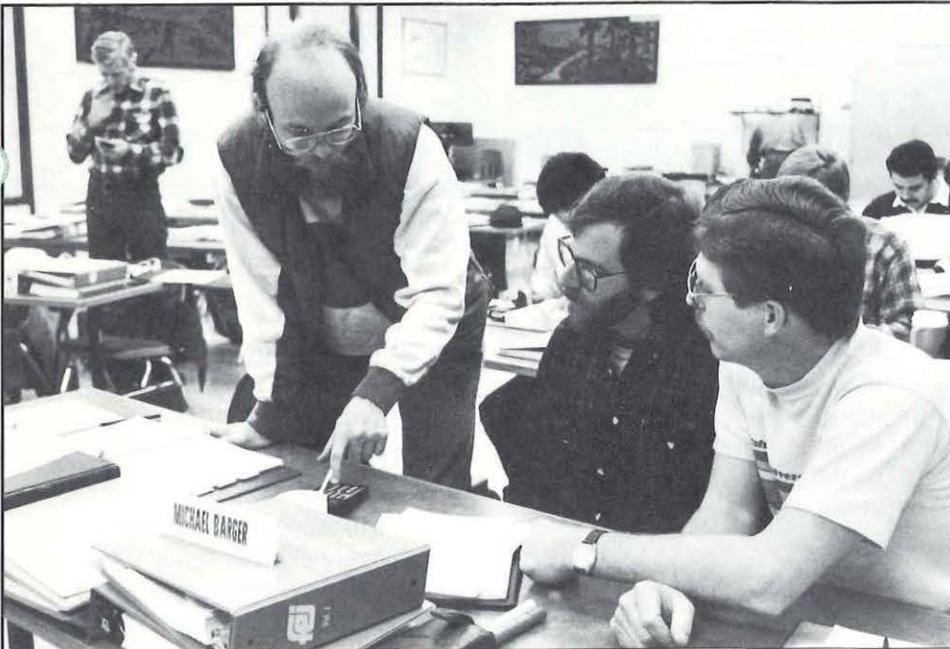
Forest
Engineering
Institute

Paving the way

intensive course called the Forest Engineering Institute (FEI).

The course teaches engineering techniques for foresters and field technicians whose jobs involve logging and road building but who have limited backgrounds in forest engineering. The ten-week session held each winter on





Over 40 people from public and private natural resource agencies are participating in the College of Forestry's Forest Engineering Institute this winter on campus. From left, Tim Bailey, Michael Barger, and Terry Tenley, all from the USDA Forest Service.

campus has trained over 1,200 professionals from public and private forestry organizations throughout the U.S. and foreign countries in 31 sessions.

Participants attend classes in logging systems, engineering economics, operations analysis, forest road and transportation system analysis, and soils and watershed management.

"The sessions combine theory and practical skills," says John Mann, FEI director and College of Forestry forest engineering instructor. "Participants apply theory to specific conditions on their job back home."

The participants have 310 hours of instruction, at least 20 percent of which is conducted at the College's MacDonald Forest or on federal land near campus where they practice skills learned in the classroom. It's not uncommon to see participants climbing trees with spurs, setting

chokers or splicing cables, as well as laying out timber harvesting projects.

They attend class four days and spend one day each week in the field, and perform team and individual projects and assignments during evenings and weekends. Mann, who was an FEI participant in 1975 when he worked for the USDA Forest Service, admits that the session is rigorous.

"Most participants have been out of school for some years," he explains. "We try to keep the sessions informal to make a good experience for the participants."

Demand for the course is high. This winter, 46 participants are enrolled in the course, and many others remain on a waiting list.

USDA Forest Service leaders around the country have commented that the quality of timber harvest plans prepared by FEI graduates has significantly improved.

Starker Lecture Series focuses on innovation and ideas

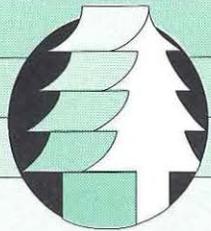
The 1987 Starker Lecture Series called "Northwest Forestry in Transition," held on four Thursday afternoons this fall in the Stewart Auditorium in Peavy Hall, featured speakers who looked beyond the controversies and changes in the profession and focused on innovations and ideas. The series included Gail Achterman, natural resource assistant for Gov. Goldschmidt; John Hampton, president of Willamina Lumber Co. in Portland; W.B. Early, vice president of Jeld-Wen, Inc. in Klamath Falls; and Jack Ward Thomas, wildlife biologist with the USDA Forest Service, author and past president of the Wildlife Society.

Gail Achterman, who served as a major participant in the recent negotiations between opposing interests during the passage of Oregon's new Forest Practices Act, cited the negotiation process used in the passage of the new law as an effective method of resolving conflicts in natural resource management.

John Hampton reflected on the changes in Oregon's forest industry during his 40 years in the profession and recommended that foresters become involved in the political process.

"It is no longer possible for today's foresters to practice only the technology of modern forest management. The future of the Pacific Northwest economy will depend to a large extent on the adoption of wise

(continued on p. 11)



forestry currents



Beuter leaves College of Forestry

John Beuter, associate dean for Instruction and Continuing Education for the College of Forestry, has resigned to become a principal with Mason, Bruce, and Girard, Inc., a forestry consulting firm in Portland, beginning Jan. 1, 1988.

Beuter has served the College of Forestry since 1970. Prior to 1970 he was forest economist with Mason, Bruce and Girard, Inc.

He received a bachelor's and master's degree in forestry from Michigan State University in 1957 and 1958 and a PhD in 1966 from Iowa State University.

During his time at OSU, Beuter has served as director of research forests, professor of forest management, and department head for the Department of Forest Management. He has also served as resource analyst and forest economist at the Pacific Northwest Forest and Range Experiment Station in Portland.

Beuter authored numerous publications during his time at OSU, including the well-known "Timber For Oregon's Tomorrow" report in 1976 which served as a basis for state policy regarding timber supply in Oregon.

FIR team helps rehabilitate southwest Oregon fire sites

It wasn't enough for forest land managers in Oregon to spend countless hours last fall combatting one of the most devastating fires in Oregon's history. The recovery of the thousands of burned acres is now another critical challenge.

Scientists from the Forestry Intensified Research (FIR) Program have played a key role in providing forest managers information about reforestation and rehabilitation on the burned lands. Adaptive FIR staff researchers, led by Steve Tesch, have assisted USDI Bureau of Land Management and USDA Forest Service and private land managers in planning the massive rehabilitation projects for the burned lands.

Drawing on research they are conducting on reforestation of dry sites in southwest Oregon as well as research from other OSU and Pacific Northwest Forest and Range Experiment Station scientists, FIR staff members Ole Helgerson, Dave McNabb and Tesch have consulted with individual foresters and organized a mini-workshop to present research findings relevant to the various reforestation and rehabilitation needs. Subjects

include erosion control, salvage logging, management of competing vegetation, and replanting of conifers on a variety of sites.

The winter 1988 issue of the FIR Report will be devoted to the fires and recovery efforts. It will serve as an important reference for forest land managers in southwest Oregon and northern California, as well as other facing similar challenges in the future.

The involvement with the rehabilitation projects will help the FIR team as well. The success of the rehabilitation efforts will serve to validate the findings of some of the FIR research.

"The fires will provide an excellent opportunity to test how well the principles of our research can be applied on a larger scale," says Tesch.

Hoener fund sends students to national SAF meeting

Six undergraduate students from the College of Forestry attended the 1987 Society of American Foresters National Convention in Minneapolis, Minnesota October 18-21 through a private fund established to broaden students' exposure to the forestry profession.

The Dorothy D. Hoener Forestry Participation Award provided travel funds for juniors and seniors Michele Draggoo, Paul Newman, Lisa Petruss, Molly Egan, Ashley Moulton, and Carla Jensen to

participate in the meeting which brought together over 1,700 professionals from throughout the U.S. The students were selected and approved by the Hoener Award Committee for their outstanding involvement in student activities in the College of Forestry.

The award gives the College of Forestry a chance to recognize and reward students who show leadership and participation in the college," says John Beuter, Associate Dean for Instruction.

Lundeen gift for new communications lab

The family of Arthur Robert Gustav Lundeen has provided \$60,000 to the College of Forestry for a new laboratory that will help forestry students develop public speaking skills and other communications skills. The lab will be named in honor of Art who was a 1915 graduate of the College of Forestry and an outstanding communicator.

To be completed by spring term, the lab will include recording and video-taping equipment for students to prepare slide-tape programs and video-tapes. Students will be able to video tape their class presentations and critique their public speaking performance. Students will also be able to practice responding "on-camera" to questions.

After graduating from the College of Forestry, Art served in World War

I, then worked in Northwest Logging camps. He worked for Westport Lumber Co. at various locations and Young's Bay Lumber Co. at Roseburg. In 1945 he joined Dant and Russell Corp., retiring in 1957 as general manager for their Oregon and California operations. He died March 15, 1987. The family's bequest helps the College honor a highly respected leader in the profession.



Student enrollment stable

The undergraduate and graduate fall term enrollment in the College of Forestry is just lightly lower than last year, at 216 undergraduate and 127 graduate students, compared with 221 undergraduate and 143 graduate students during fall term 1986. The Department of Resource Recreation Management experienced a 12 percent increase in total of undergraduate enrollment this year, while other departments had a slight decrease from last year.

Until this year, graduate enrollment has seen a steady increase since 1970, while undergraduate enrollment has declined from its high in 1975 at 1,025

undergraduates.

"The good news is that 81 new students enrolled in forestry fall term this year, a 33 percent increase over 1986. It is likely that interest in forestry is improving and enrollment will begin to increase again," says John Beuter, Associate Dean for Instruction and Continuing Education.

Starker Lectures (from p. 9)

public policy on our forest lands. You need to play an important role in shaping policy, says Hampton.

W. B. Early of Jeld-Wen, a manufacturer and distributor of windows, doors, siding, moulding and millwork, advocated management styles in which managers have ownership opportunities and employees have a real interest in results.

Jack Ward Thomas reviewed the stages of history which laid the groundwork for current USDA Forest Service multiple-use policy, including legislation, increased skills within the Forest Service, public pressure, land-use planning, and increased sophistication in the political arena.

In its third year, the Starker lectures provide a forum for faculty, students, natural resource professionals and the public to learn about and discuss issues about natural resource management in the Pacific Northwest. The series is supported by a grant from Starker Forests and other contributions in memory of T.J. and Bruce Starker.

Alumnus Stub Stewart has a career of public service

L.L. "Stub" Stewart is one of those distinctive alumni that the College of Forestry is proud to claim as one of its own. With a long list of national and local honors and leadership positions throughout his career, Stub has served as an inspiration for Oregon State foresters for decades.

Graduating 56 years ago in what was then called Logging Engineering, Stub has really held two careers at one time- one as a leader in Oregon's timber industry, and the other in public service. An executive with Bohemia, Inc. in Eugene until his retirement in 1976, Stub has been recognized for numerous contributions to the forestry profession, his community, and Oregon State University as well as for his exceptional leadership in business and industry.

Stub worked for the Forest Service on several national forests, and for the US Army during World War II in Asia, as well as a forester for Pope and Talbot, Inc. before taking over Bohemia Lumber Co. as president in 1946 along with his brother Faye Stewart and brother-in-law Larry Chapman, both OSU Alumni. He still serves on the Board of Directors of Bohemia.

A supporter of his community, Stub feels strongly about the role that education plays in community development.

"If this country is to stay strong, it's got to be based on education."

He has provided a great deal of support for the College of Forestry and had a special interest in the college's research program throughout the years.

He has served in leadership roles for the Oregon Trail Council, Boy Scouts of America, Sacred Heart Medical Center Foundation, Boys Club of America, the Governor's Make Oregon Livable Committee, Governor's Labor-Management Relations Committee, Colleges for Oregon' Future Committee, and Oregon Council on Crime and Delinquency.

From 1951 to 1955, Stub served on the Oregon State Legislature, representing Lane Co. He also served as member of the Oregon Board of Higher Education from 1971 to 1977.

Stub has been a member of the Oregon State Parks and Recreation advisory committee since 1960, and was chairman until 1986. He led the campaign during the 1967 Legislative Session for passage of the Oregon State law to make ocean beaches of Oregon open to the public.

Stub serves as chair of the Forest Research Laboratory Advisory Committee, and is a strong supporter of the Forestry Alumni Association, and the Oregon State University Foundation. He has employed many OSU forestry students and graduates, and has been a frequent lecturer and



adviser for the College's programs.

Stub's community service has been widely recognized. He received an Oregon State University Distinguished Service Award in 1978, and among many other awards throughout his career, most recently received "Outstanding Philanthropist" award for 1987 by the Oregon Chapter of the National Society of Fund Raising Executives.

"Contribute to the good of society and it will help you, too. My parents influenced me a great deal because they were very involved in our community. I feel lucky to be in a position where I can spend the time on community and educational involvements."

Stub Stewart continues to be distinguished professional forester, vigorous civic and business leader, and loyal and generous supporter of education and forestry in Oregon. His exceptional accomplishments will continue to inspire foresters and other professionals for many years.

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