The Maine
Forester
1985

"In the beginning God created the heavens and the earth"... Then God said, "Let the land produce vegetation: seed-bearing plants and trees on the land that bear fruit with seed in it, according to their various kinds."... And God said, "Let the water teem with living creatures, and let birds fly above the earth across the expanse of the sky." ...And God said, "Let the land produce living creatures according to their kinds: livestock, creatures that move along the ground, and wild animals, each according to its kind."

This is how the Bible begins. It depicts the beginning of the earth and all its plants and creatures. This is the beginning of the **1985 Maine Forester**. The theme of this year's book is "Forest Resources Around the World." The beginning of the Bible depicts the creation of the resources that we, as resource managers, are charged to care for. Although we are learning the method of resource management in the United States, we must not loose sight of the other resources that, although different, share similiar problems and complexities.

We have attempted to provide a broad picture of forest resources around the world through the feature articles. We have also tried to depict the learning environment that is shaping us to become the resource professionals of tomorrow. This environment is composed of not only classroom experiences, but also the many extracurricular activities that we may or may not partake in.

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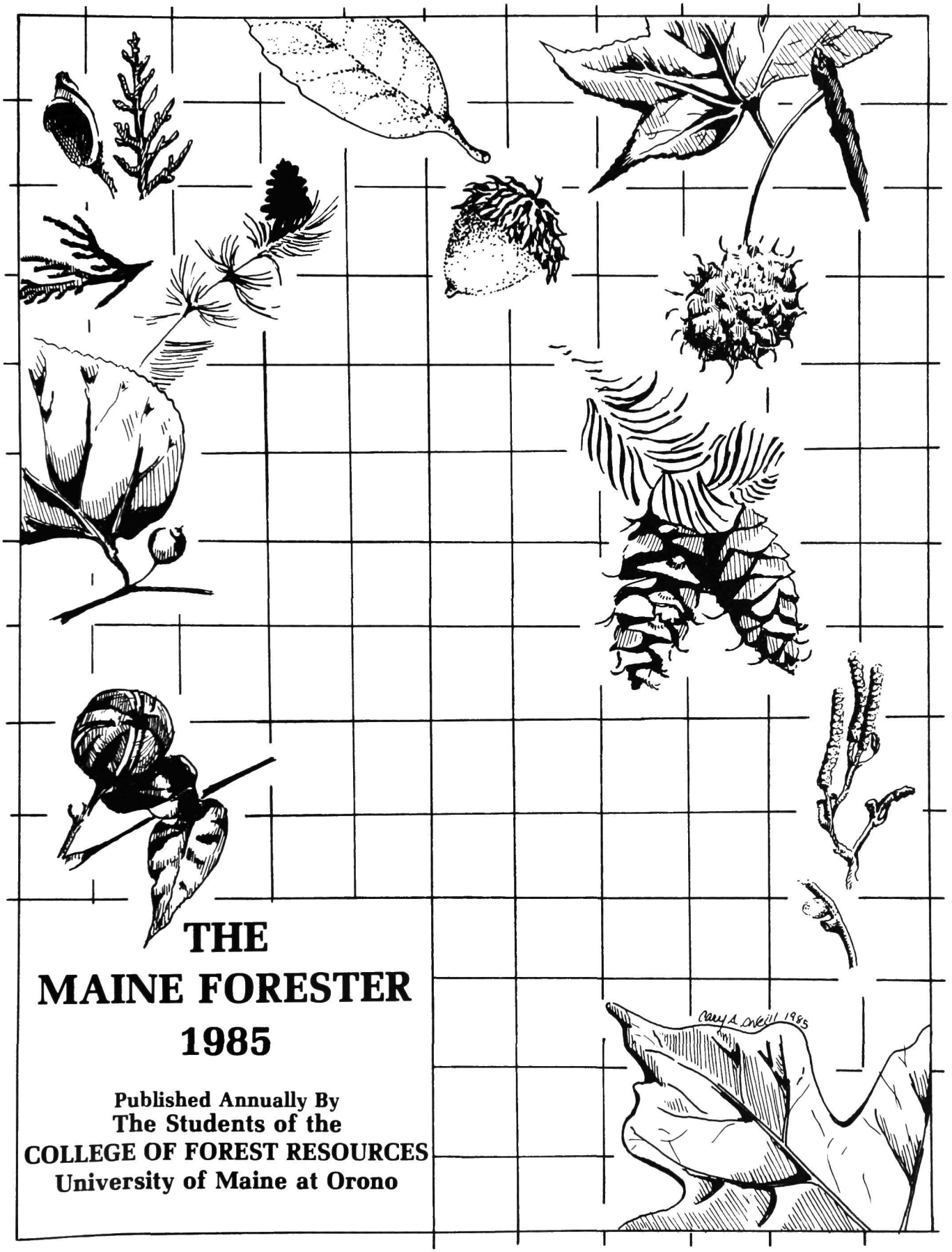


THE MAINE FORESTER 1985

Published Annually By
The Students of the
COLLEGE OF FOREST RESOURCES
University of Maine at Orono

DEDICATION

This year the students of the College of Forest Resources are dedicating the Maine Forester to all the individuals who contribute to the scholarship program within the College. Each year approximatly $25,000 is awarded to students through 48 scholarships and awards. Many students are recognised for their outstanding work, scholarship, and dedication to their field of study, or a combination of the three. The selection process begins in January, after the applications have been submitted. A committee of faculty reviews each candidate for their eligibility as potential scholarship recipients. The final decisions are made by the college faculty and the awards are presented during the annual Xi Sigma Pi awards banquet each spring.

The scholarship program formally began in 1958 with Robert I. Ashman award designed as a recognition for an outstanding senior. Through the years many scholarships have been added by individuals who value our natural resources and want to recognize students. These are for such qualities as leadership, dedication, need, involvement, as well as for high scholarly achievment. Many students are involved in organizations within the college which require time that otherwise would be utilized for studying. These students expand their priorities to include performing work for the benefit of all members of the College. The benefits gained by the individual include public relations leadership experience, and broadened viewpoints. These qualities can be seen throughout this book in each of the student organizations and activities.

The scholarship list includes the four newest scholarships, added just this last year, which are: the W. Robert Dinneen Scholarship, started in the memory of Mr. Dinneen by his wife; the Guy B. Condon Scholarship; the Retail Lumber Dealers Association of Maine Scholarship for a Maine resident majoring in either forestry or forest products; and the Ed Stuart Consulting Forestry Scholarship. Both Mr. Stuart and Mr. Dinneen were past graduates of the University of Maine College of Forest Resources.

We could continue for many pages describing the generousity of each of the donors, some of whom request to remain annonymous, but rather than highlight individual donors we would like to recognize all of them collectively. As you look through this year's book take special note of the awards and scholarships page. Realize not only the work that each recipient has been recognized for but remember the individuals who made the scholarship possible, the ones who each year donate in one form or another to the scholarship program in the College of Forest Resources. We appreciate their many efforts and dedicate this book to them.

University of Maine at Orono
College of Forest Resources

Greetings from the Dean

The theme of the 1985 Maine Forester is "Forest Resources Around the World." During recent years, forest resource managers have become increasingly aware of the similarities and interdependence among each nation's forest resources. Global forest resources do not adhere to political boundaries, and they are the responsibility of all forest resource managers. The human race is influenced by what happens to these resources throughout the world.

Forest resources in Maine have many features making it particularly important that our State's managers be conscious of forest resources around the world. Maine leads all 50 states in land area under foreign ownership. Approximately 14 percent of the privately-owned land base in Maine are under foreign-bases ownership.

Maine shares many common forest resources management concerns with the Maritime provinces of eastern Canada. To a degree we have more in common with these Canadian provinces than we do with other states. By sharing an extensive continuously interaction with our professional Colleagues across the border. A testimonial to this international cooperation is one of the few international parks in the world, i.e. Campobella, which is on the border between Maine and New Brunswick. However, not all relationships in forest resources between Maine and Canada are positive at the present time. Log exports and lumber imports have caused economic stress for may mills in Maine.

Reaching beyond our Canadian friends, Maine also has been influenced by corporations based in Great Britain and France. Both nations now have companies with major land ownerships in the State.

In many aspects, the future of Maine's forest industries is dependent upon export/import ratios to various nations. Development of forest products export opportunities and shipping ports will pay increasing roles in Maine's economic future.

Maine, with many other parts of our Nation, shares numerous forest resources problems with other parts of the world. Recent developments in forest decline in the U.S.A. have been preceded by similar problems in Europe. Management of peatlands and wetlands in the U.S.A share many problems with Scandinavian countries and the Soviet Union. During recent decades, forest geneticists and tree improvement specialists in the U.S.A. have worked cooperatively with their counterparts in other nations through sharing planting stock and in conduct of province studies. In many cases, exotic sources of plant material have proven superior to local sources on local sites.

Wildlife resources, being mobile, obviously do not adhere to political boundaries. Population distributions and habitats as influenced by forest management practices and other environmental factors should be addressed cooperatively between various nations.

This year, a significant component of the federal budget had been directed toward U.S. Agency for International Development (U.S. - A.I.D.) programs in forest resource managers in the United States have opportunities to learn from foreign nations, to assist in foreign nations, and to benefit from cooperative efforts in research, education, and economic ventures.

The College of Forest Resources at the University of Maine is committed to international programs related to forest resources around the world. We have students in our programs from many nations of the world, and many of our own students have studied in Canadian and European universities as exchange students. Several courses in the College are introducing material relative to international forest resources, and seminars are planned for the future to address international forest resource issues. Most recently, our College received an award to direct a major agroforestry program through the U.S. Agency for International Development in Haiti. Drs. Ashley, Carter and others will be participating in this program. Our College is participating in faculty exchange programs with the University of New Brunswick and Laval University in Quebec. We also participate in numerous student exchange programs, many coordinated through UMO's Canadian American Center. One section of our College's present "Missions, Goals and Objectives" document is directed toward International Program Goals, and states that our College "Continue and expand teaching and research activities by the College's faculty, staff and students in international programs." Specific Objectives identified are the following:

(1) Engourage faculty and staff to participate in international committees, symposia and meetings.
(2) Promote faculty sabbaticals in foreign countries to provide a good experience for professional development.
(3) Promote participation of faculty in teaching, research and extension assistance projects in developing nations.
(4) Meet the increasing demand for international training from the student body by expanding the international content in existing courses and developing new courses.
(5) Promote participation of international students in the College's graduate program.
(6) Maintain the position of Coordinator of International Programs for the College.

Relative to Objective No. 6, this past year I appointed Dr. Marshall Ashley as the College's Coordinator for International Programs. Our college currently addresses or in the near future will address all of these Objectives in International Programs.

It is obvious that "Forest Resourses Around the World" is a timely and appropriate theme for this year's MAINE FORESTER. In today's environment, all nations are interdependent with each other in forest resources. Our moving toward student, staff and faculty growth in international programs around the world.

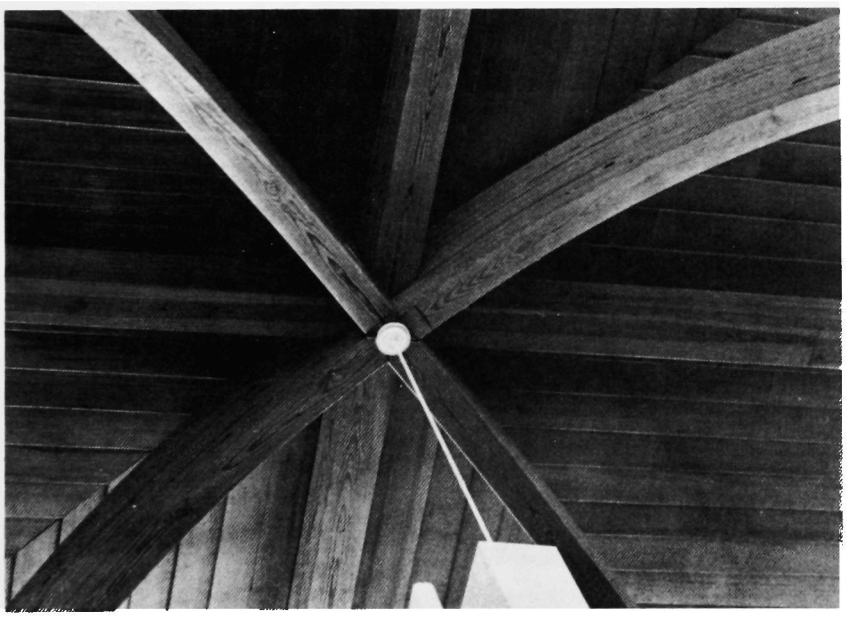
On a different note, since publication of the 1984 MAINE FORESTER, our College has welcomed Dr. Michael Greenwood, Ruth Hutchins Chair Professor in Tree Physiology, and Dr. Paul Risk, Associate Professor in Recreation and Park Management to our faculty. We have been fortunate in not having lost any faculty members since last year.

I would like to close this letter with a special recognition and challenge to the Class of 1985. Your class will be the next class to graduate from the College of Forest Resources at UMO and enter the professional world as forest resource managers. Many of you will find yourselves involved in internationally-related programs addressing forest resources around the world. Whether or not directly involved, I can assure that all of you will be influenced in some way by forest resources programs around the world. I have been favorably impressed with the performance and attitudes of our student body, and take great pride in being associated with students in the Class of 1985 as they move into the professional world with its associated challenges. On behalf of the College of Forest Resources, I wish our 1985 graduates success, peace and happiness in their careers and lives.

Sincerely,

Gregory N. Brown

Gregory N. Brown
Dean



Comments by the Associate Dean

I always look forward to this opportunity to make a few comments to the students in the College. First, I will express my appreciation for your kindness and cooperation during the past year. Thank you for the Dedication of the 1984 **Maine Forester** to me. You were very kind and I was very emotionally involved. I did not begin to thank you all in a proper fashion; thank you! The words do not begin to convey my very deep appreciation.

Last winter I left Orono for a three month sabbatical swing through the southern states. During that trip I visited twelve institutions having resource programs similar to ours. My purpose was to gain ideas for our use here and to learn more about the South. We also took the opportunity to soak up some sun while we visited in the Florida area. The programs I visited were varied; from some of the longest established schools to a few of the smallest and newer programs in the nation. After a review of all of them I am sure that the resource education you are receiving at UMO is the very best available anywhere.

We have tried to emphasize to you the importance of a solid foundation for professional careers. You who are in the Class of 1985 have reached one goal in your professional development. You have the basic tools to work with and now must continue to educate yourselves and gain job experience. Many of you will not go directly to the job you most desire, but I'm sure that you will in some way apply many of the things you have learned to the work you will be doing.

We are planning to provide you with as much support as we can as you seek employment, however, the major effort has to be your own. After you complete your program here I hope you will keep me informed of your job status and needs. We cannot help in any way if we do not know what you are doing and where you are located.

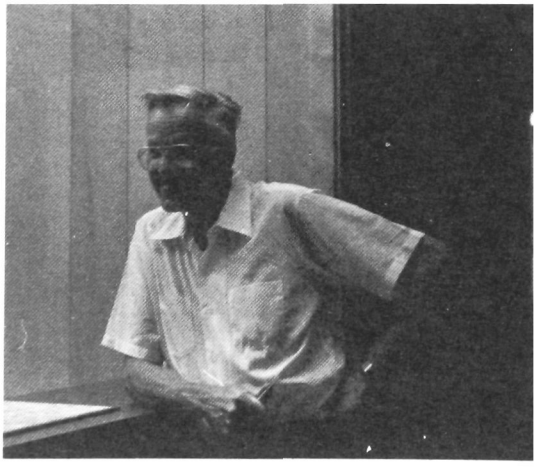
The total number of positions in Resource Management and Utilization is not increasing rapidly. For example, **U.S. News and World Report** states that there will be a 9% increase in forestry jobs by 1995. This suggests that we may have a rather stable picture in the years ahead with less than 1% increase per year. This is balanced by the recent report on national enrollment that shows a 35% decrease in undergraduate forestry enrollment since 1980. The opportunities will be there for graduates coming out in the next few years and similar statistics would apply to other majors.

The Class of 1985 has an opportunity to contribute toward the better management of resources on a national and global scale. I know that the future condition of our natural resources will be improved because of your interest and energy. I wish you the very best of success as you tackle the many difficult problems facing all of us. You are prepared to do the job, I know you will enjoy the challenge. We will hope for peace in the world, freedom for all people, good leadership on resource problems, and love and friendship for each of you.

Sincerely yours,

Fred B. Knight

Fred B. Knight
Associate Dean



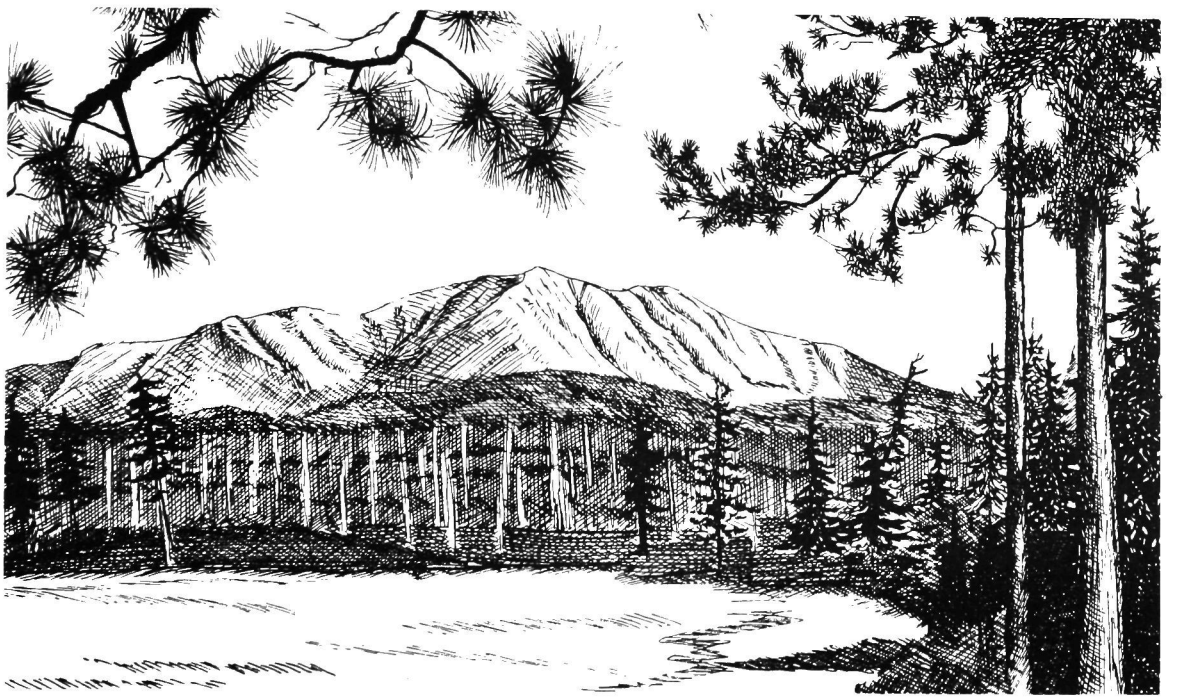
Ode to the Wilderness

Deep, green, wonderful wilderness
Cold to those who like you not,
Helpful to men who enjoy your stillness,
Warm to the lover of nature's lot.

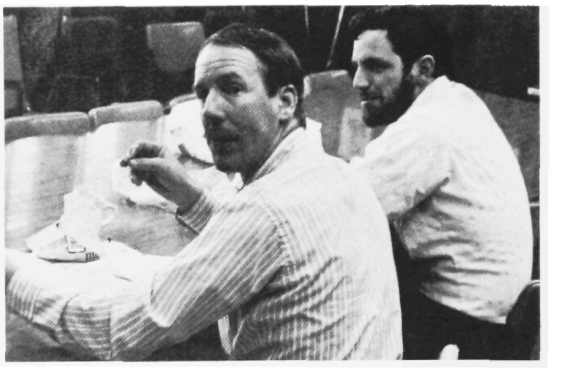
Deep, green, wonderful wilderness,
You've stood so long as God's true blending;
Men with greed now destroy your beauty,
And never realize that your struggle is ending.

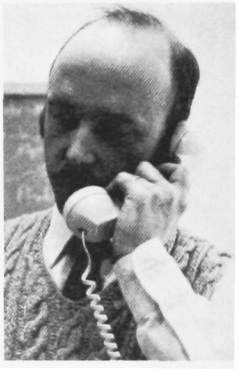
To those who believe in nature's tomorrow—
I salute you; To the others—only sorrow.

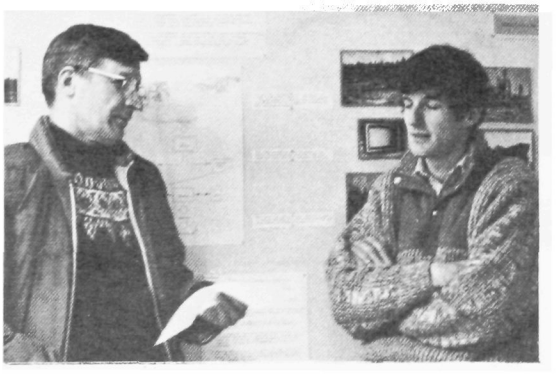
—By GUS GREGORY
Printed in Students Anthropology of Poetry
Reprinted from 1951 Maine Forester

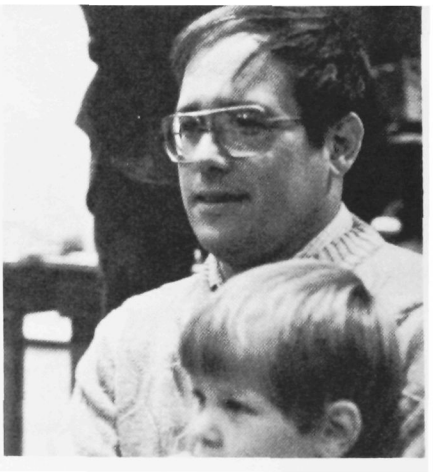


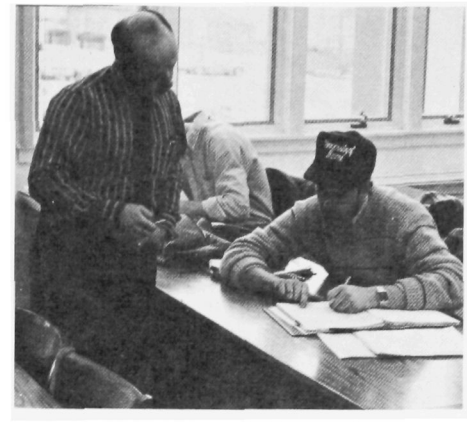
Faculty

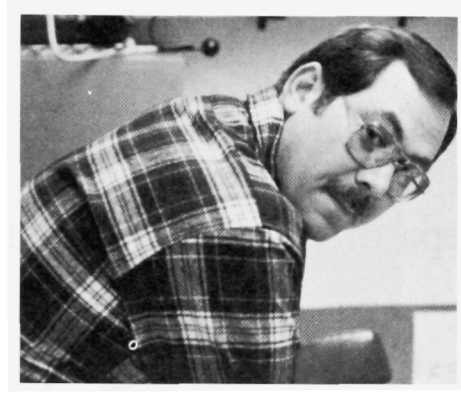


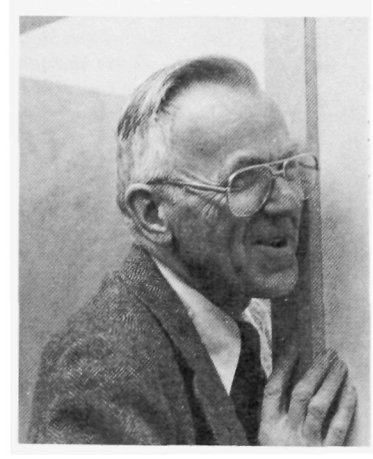






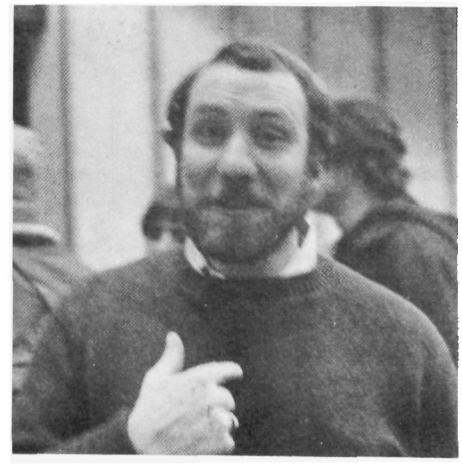


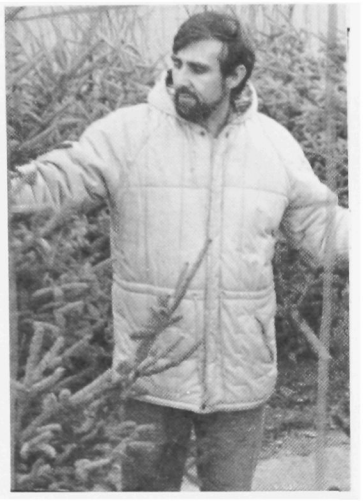




No lover of trees will ever forget his first meeting with the sugar pine, nor will he afterward need a poet to call him to "listen what the pine trees said".

John Muir





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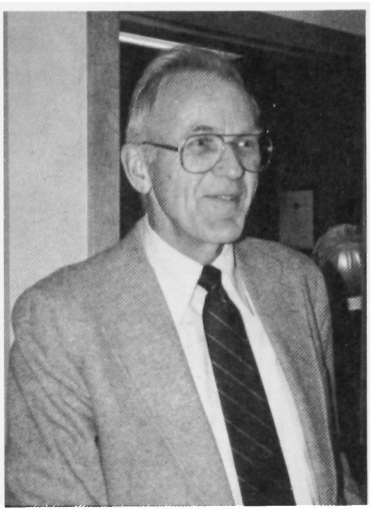

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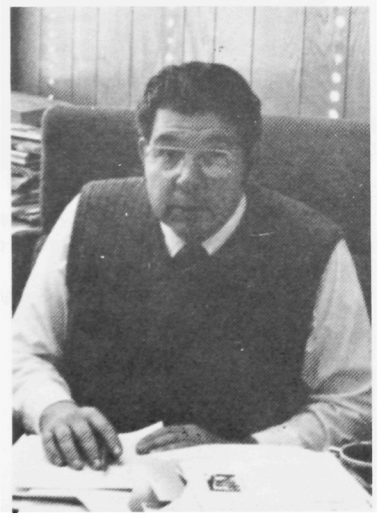

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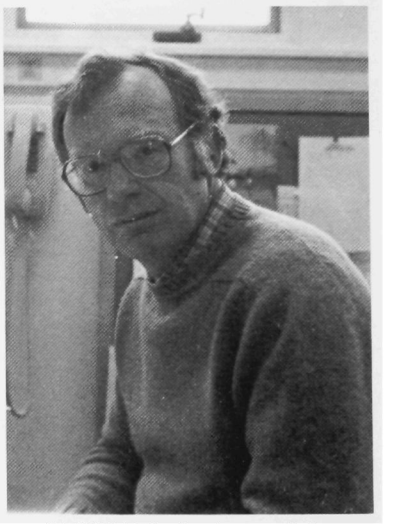

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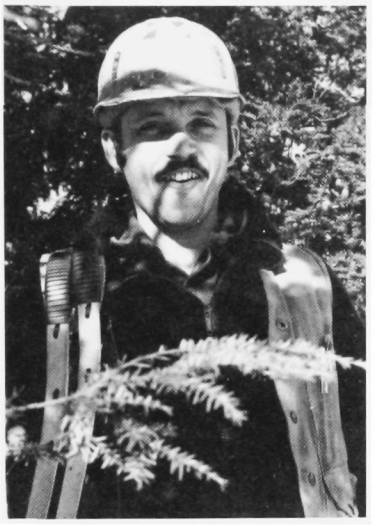

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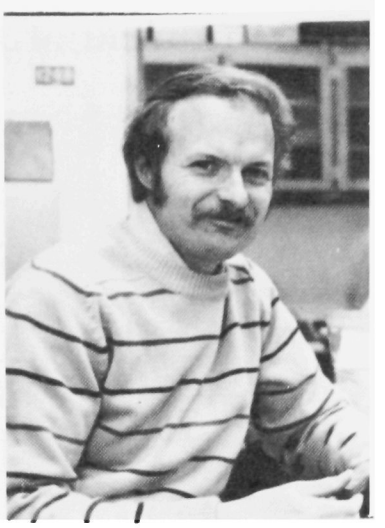

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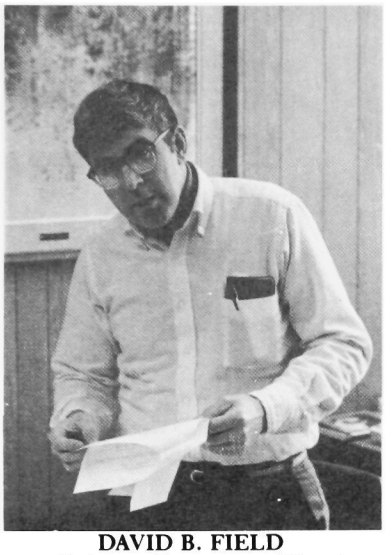

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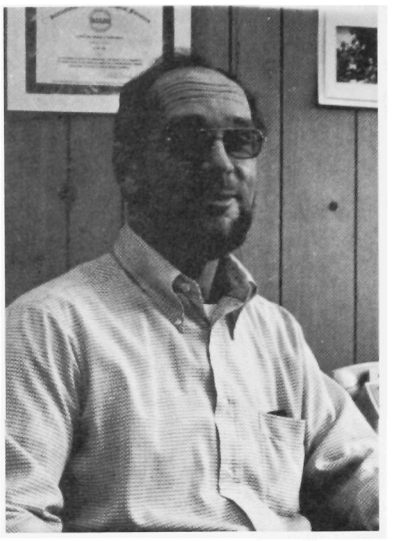

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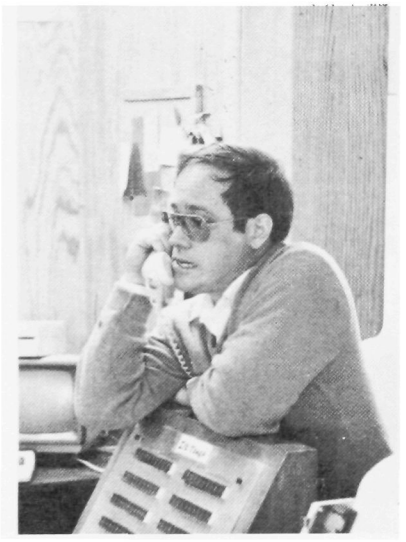

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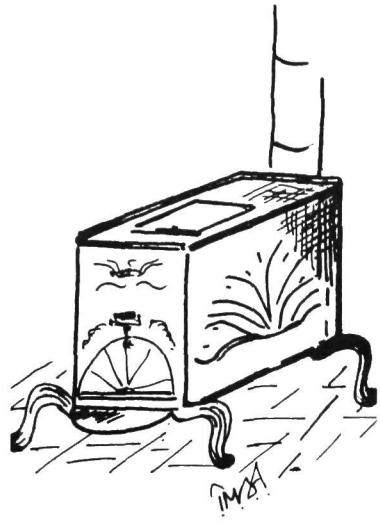

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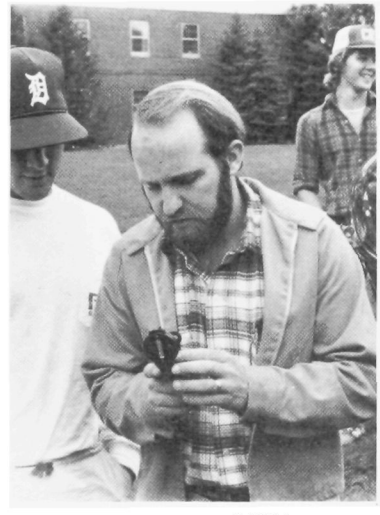

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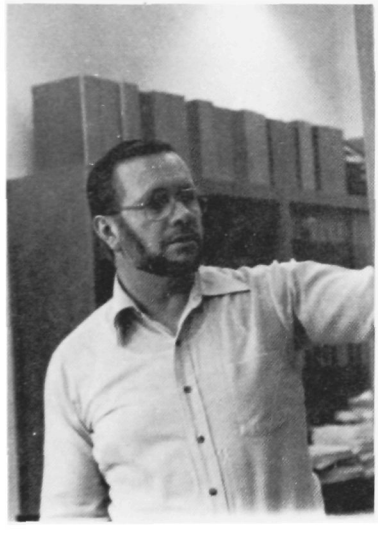

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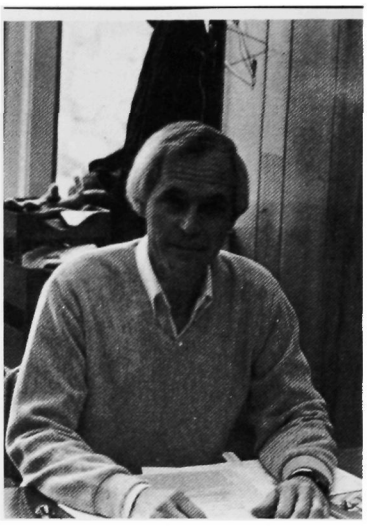

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Acting Leader Maine Cooperative Wildlife Research Unit
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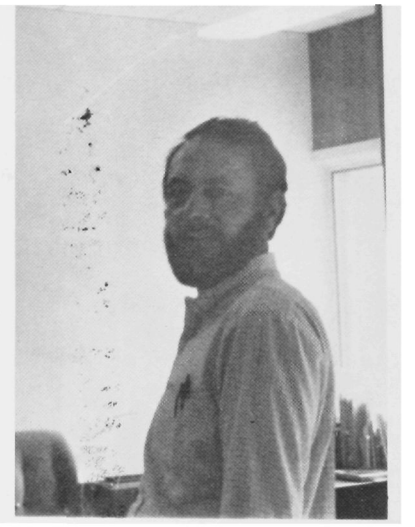
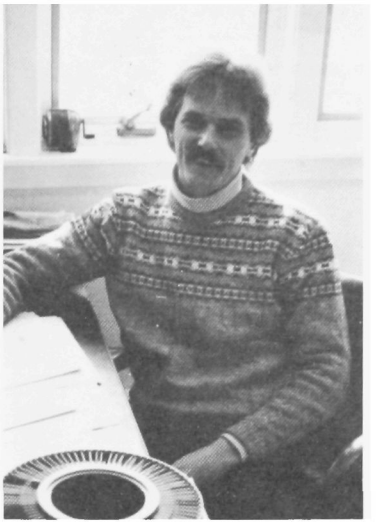
PATRICK W. BROWN
Assistant Professor of Wildlife Resources
B.S., Central Michigan University, Biology, 1974
M.S., Iowa State University, Wildlife Biology, 1977
Ph.D., University of Missouri, Wildlife Biology, 1981
Waterfowl Ecology



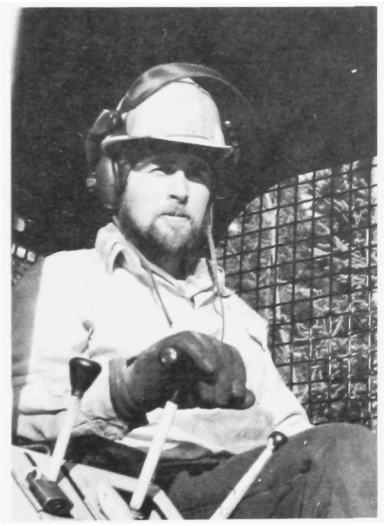
JAMES R. GILBERT
Associate Professor of Wildlife Resources
B.S., Colorado State University, Wildlife Biology, 1968
M.S., University of Minnesota, Ecology, 1970
Ph.D., University of Idaho, Wildlife Science, 1974
Population Dynamics

MALCOLM L. HUNTER, Jr.
Assistant Research Professor of Wildlife Resources
B.S., University of Maine, Wildlife Science, 1974
D.Phil., Oxford University, Zoology, 1978
Wildlife Ecology

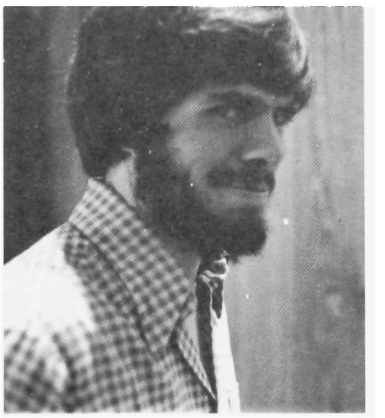


DAVID M. LESLIE, Jr.
Assistant Professor of Wildlife
B.A., Prescott College, Arizona, Biology, 1974J
M.S., University of Nevada, Zoology, 1977
Ph.D., Oregon State University, Wildlife Ecology, 1982
Wildlife Nutrition

DWIGHT B. DEMERITT FOREST



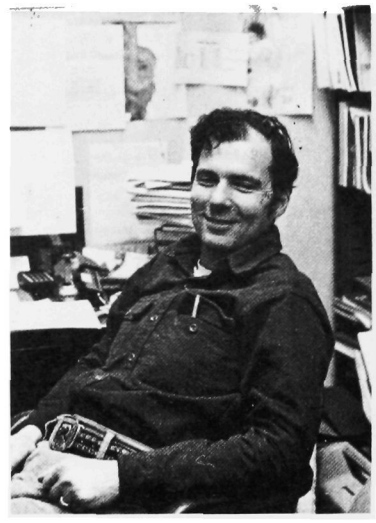
CHARLES J. SIMPSON
Forest Superintendent
B.S., University of Vermont, Forest Management, 1975
M.B.A. In Progress, University of Southern Maine
Forest Management/Harvesting



CRAIG BIRCH
Research Technician, University Forest
B.S. University of Maine
Forest Management 1984

Cooperating Professors

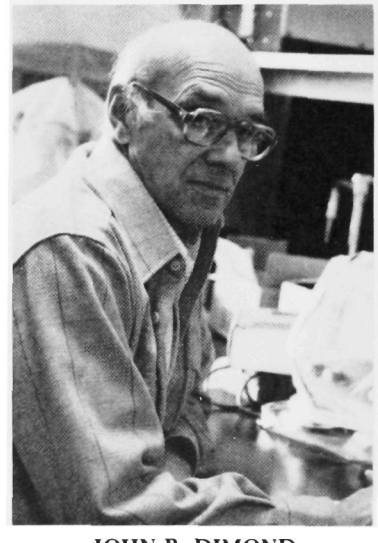
A. RANDALL ALFORD
Assistant Professor of Entomology; Cooperating Assistant Professor of Forest Resources
B.S., University of Southern Mississippi, Biology, 1974
M.S., Louisiana State University, Entomology, 1976
Ph.D., Louisiana State University, Entomology, 1980
Insect Physiology



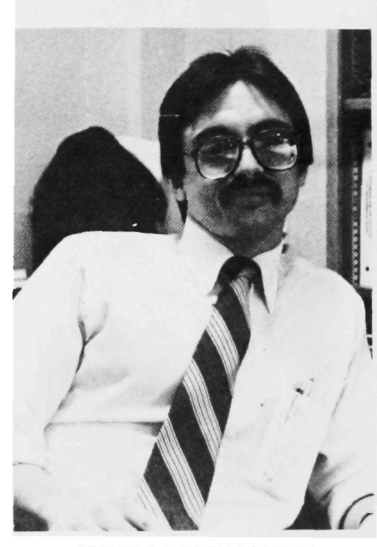
JOHN W. BUTZOW
Cooperating Professor of Science and Environmental Education
B.S., St. Bonaventure, Chemistry, 1961
M.S., St. Bonaventure, Organic Chemistry, 1963
Ed.D., University of Rochester, Science Education, 1968
Environmental Education, Curriculum Development

THOMAS E. CHRISTENSEN
Associate Professor of Agriculture & Forest Engineering Technology
B.S., University of Maine, Agricultural Engineering, 1971
M.S., University of Maine, Agricultural Engineering, 1973
Fluid Power and Forest Machinery

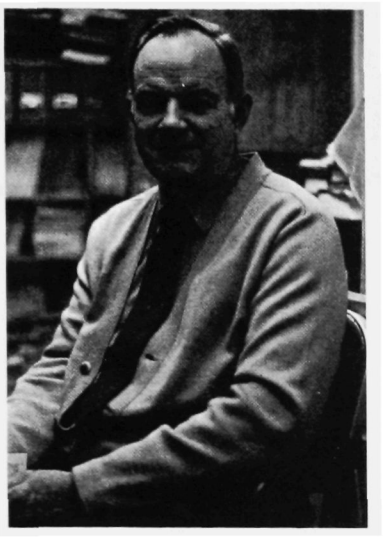
CHRISTOPHER S. CRONAN
Cooperating Assistant Professor of Forest Resources
B.A., University of Pennsylvania, Ecology, 1973
Ph.D., Dartmouth College, Plant Ecology and Biogeochemistry, 1978
Forest Biogeochemistry



JOHN B. DIMOND
Professor of Entomology
Cooperative Professor of Forest Resources
B.S., University of Rhode Island, Zoology, 1951
M.S., University of Rhode Island, Zoology, 1953
Ph.D., Ohio State University, Entomology, 1957
Forest Insect Pest Management

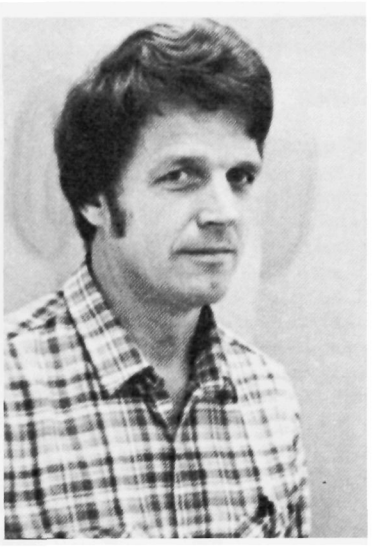


IVAN J. FERNANDEZ
Assistant Professor of Soil Science and Cooperating Assistant Professor of Forest Resources
B.A., Hartwick College, Plant Science, 1975
M.S., University of Maine, Plant and Soil Sciences, 1978
Ph.D., University of Maine, Forest Resources, 1981
Forest Soils



HAROLD C. GIBBS
Professor of Animal and Veterinary Sciences and School of Forest Resources
B.S., McGill University, Animal Husbandry, 1951
D.V.M., Toronto, Veterinary Medicine, 1955
M.S., McGill University, Parasitology, 1956
Ph.D., McGill University, Parasitology, 1958
Parasitology

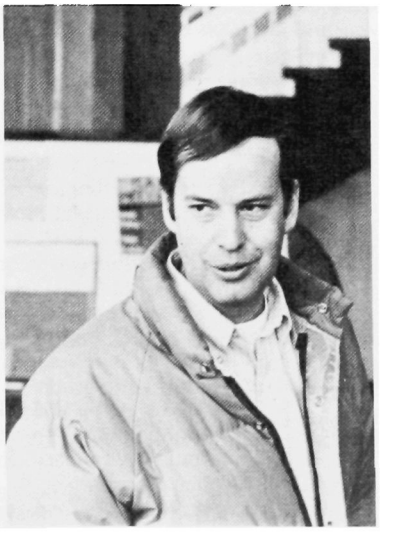
WILLIAM E. GLANZ
Assistant Professor of Zoology
Cooperating Assistant Professor of Wildlife
B.A., Dartmouth College, Biology, 1970
Ph.D., University of California, Berkeley, Zoology, 1977
Vertebrate Ecology



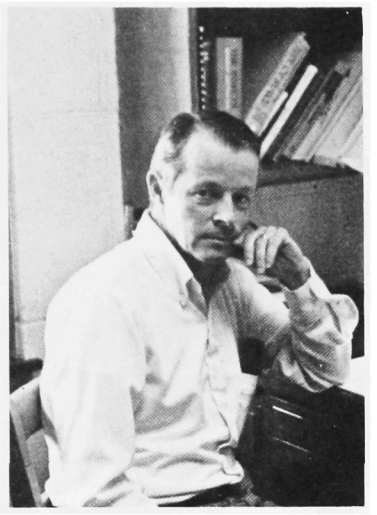
WARREN E. HEDSTROM
Associate Professor of Forest Engineering
B.S., University of Maine, Agricultural Engineering, 1961
M.S., Cornell University, Agricultural Engineering, 1969
Ph.D., Cornell University, Agricultural Engineering, 1970
Forest Roads

GEORGE L. JACOBSON, Jr.
Assistant Professor of Botany & Quaternary Studies; Cooperating Assistant Professor of Wildlife
B.S., Carleton College, Minnesota, Biology, 1968
Ph.D., University of Minnesota, Ecology, 1975
Plant Ecology, Paleoecology

WILLIAM MITCHELL
Associate Professor of Landscape Architecture and
Cooperating Associate Professor of Forest Resources
B.S. L.A., University of Mass., Environmental Design, 1973
M.L.A., University of Mass., 1975
Planning and Design, Forest Recreation



CHRISTOPHER MURDOCH
Research Assistant of Forest Pathology
B.S. University of Maine, Forest Management, 1973
M.F. Yale School of Forestry and Environmental Studies, Forest Pathology, 1975
Ph.D. University of Maine, Plant Science, 1981



EBEN A. OSGOOD
Professor of Entomology, Cooperating
Professor of Forest Resources
B.S., University of Maine, Forestry, 1951
M.F., Duke University, Forestry, 1956
Ph.D., University of Minnesota,
Entomology, 1962
Forest Entomology

NORMAN SMITH
Professor of Forest Engineering,
Co-Administrator Forest Engineering
B.Sc., Leeds College, England,
Agricultural Engineering, 1952
M.Sc., Durham, England, Agricultural
Engineering, 1959
Ph.D., Newcastle, England, Agricultural
Engineering, 1970
M.S., University of Maine, Agricultural
Engineering, 1959
Forest Engineering

PROFESSORS EMERITUS
Gregory Baker, Professor Emeritus of Forestry
Frank K. Beyer, Associate Professor Emeritus of Forestry
Lewis P. Bissell, Extension Forestry Specialist Emeritus
Edwin L. Giddings, Associate Professor Emeritus of Forestry
Howard L. Mendall, Professor Emeritus & Leader of Cooperative Wildlife Research Unit
Albert D. Nutting, Director Emeritus
Henry A. Plummer, Associate Professor Emeritus of Forestry
Arthur G. Randall, Associate Professor Emeritus of Forest Technology
Roland Struchtemeyer, Professor Emeritus of Forest Soils
Roger Taylor, Forest Superintendent Emeritus

FACULTY ASSOCIATES
Barton M. Blum, Project Leader, U.S. Forest Service
Hewlette S. Crawford, Research Wildlife Biologist, U.S. Forest Service
Stephen Fairweather, Inventory Forester and Biometrician, Great Northern Paper Co.
Robert M. Frank, Research Forester, U.S. Forest Service
Lloyd C. Irland, Bureau of Public Lands, Dept. of Conservation
Jerry R. Longcore, Biologist, U.S. Fish & Wildlife Service
Gordon D. Mott, Research Forester, U.S. Forest Service
Sarah Redfield, State Attorney General's Office
Thomas B. Saviello, Northern Forest Research Center of International Paper Co.
Dale S. Solomon, Research Forester, U.S. Forest Service
Howard E. Spencer, Jr., Leader, Migratory Bird Project, Maine Department of Inland Fisheries & Game
Charles D. Webb, Manager, Northern Forest Research Center of International Paper Co.

THE COOPERATIVE FORESTRY RESEARCH UNIT

The Cooperative Forestry Research Unit (CFRU) was established January 1, 1976 as a privately funded, full-time research organization. Its objectives were to increase the research on the critical problems affecting the State of Maine; to use the results of this research to provide practical procedures for practitioners in the field; and to coordinate its research with on-going research in the state. In order to maximize the effectiveness of the program, research was centered at the (then) School of Forest Resources at the University of Maine at Orono.

The coordinated program was designed to benefit all landowners and wood-using industries within, but not exclusive of, the State of Maine. Funding for the program originated on a per acre basis for landowners and a minimum membership charge for those with small woodlots or a general interest. Members presently include wood products industries, chemical corporations, tree farmers and private individuals among others.

When the Unit was established, three disciplines (silviculture, protection, and economics/utilization) were selected for study during the first five years. Scientists in each of these disciplines were required to make the results of their studies known in annual reports as well as in professional journals. Members of the research group have also been called upon to testify at hearings and to serve on university and state committees.

In the proposal for the second five-year period, 1981-1985, it was recommended that research be continued in each of the established disciplines, including fertilization and forest genetics, be funded through operating funds. In addition, an expanded level research program was proposed to include the study of white pine and hardwoods in the state. This expansion allowed for the addition of a scientist to the staff. A change in administration would also take place, where by one of the unit scientists would serve as part-time administrator, and as a coordinator for the program. Dr. Maxwell McCormack was selected to fill the position.

Currently, funds from the CFRU research program support the studies of four scientists and partially support the research by five others.

Dr. Maxwell McCormack and Dr. William Ostrofsky are currently conducting research in the area of silviculture. Dr. McCormack supervises thinning in spruce-fir stands, vegetation management with herbicides and the Weymouth Point study. Dr. Ostrofsky conducts his research in the area of hardwood silviculture. Specifically his research includes partial cutting of young hardwood and mixedwood stands for biomass, and operations analysis and impact on residual stand quality.

In thinning spruce and spruce-fir stands, individual crop tree responses and guidelines for crop tree selection are studied. This particular project was notable because it included the first field test of the Model 516 Polycorder (R), which is a portable, programmable manual/electronic data collection system. Two major advantages of the system were: ease of use under severe weather conditions and the automatic transfer of the field data for computer analysis. The management of vegetation with herbicides include studies on conifer release, site preparation, precommercial thinning, new product development and development of application technology. The Weymouth Point study breaks down the effects and results of intensive harvesting: residue management, the nutrient cycle, regeneration development and vegetation dynamics.

Dr. Ostrofsky is studying the development of a modified shelterwood system to improve species composition and timber quality of northern hardwood stands; the influence of acidic precipitation on the relative abundance and diversity of caulosphere mycoflora of young hardwood trees, and a new approach on the influence of the vascular cambium on barrier zone formation of living trees.

Dr. Mark Houseweart's field of study is forest protection. His projects include the study of seed and cone mining insects of conifers in Maine, insects affecting northern plantation establishment, life tables and the suppression of the white pine weevil, and developing Trichogramma as a suppression strategy against spruce budworm.

Timber management and harvesting research is conducted by Dr. Robert Seymour. He directs research on forest development forecasting which includes development and application of the Green Woods Model and a study of spruce-fir supply and demand in Maine. A second project revolves around harvesting systems for small diameter stands using skyline yarding and winch prebunching in spruce-fir and mechanized whole-tree chipping in paper birch. A third project is precommercial thinning on young spruce-fir, and the production and cost of mechanical and brush saw systems.

The following research projects are partially funded by CFRU:

Dr. Katherine Carther's field is tree improvement. Her research encompasses provenance testing of 15 species of softwoods and hardwoods, evaluation of tree selection methods, rooting methods for tamarack cuttings and clonal variety in tamarack.

Dr. Robert Shepard works in the field of forest fertilization with spruce, pine and hardwoods. His research with spruce entails measuring the response of fertilization with nitrogen with and without thinning on different soil drainage classes; the response to different application rates of nitrogen; response of old field plantations versus natural stands; and the response of precommercially thinned stands. His study of pine deals with the response to different rates of nitrogen, phosphorous and potassium, with the emphasis on nitrogen; and the effect of stand density on response to fertilizers. His research on hardwoods centers around the response of the trees to different rates of nitrogen application.

Reflecting the stress under which the state's spruce-fir forest have been placed Dr. Thomas Brann is conducting research on the impact on growth that the current spruce budworm outbreak has had.

The other projects that receive partial funding from CFRU are those of Dr. Marshall Ashley and Dr. Randall Alford. Dr. Ashley is studying the stocking assessments in regeneration stands using aerial photography. Dr. Alford's research is on the sub-lethal effects of insecticides on spruce budworm.

Nutting Newcomers

Dr. Paul H. Risk joins the faculty at Nutting as an Associate Professor of Recreation and Park Management in the Department of Forest Biology and as a member of the graduate faculty. He received his undergraduate dual degree in Botany and Biological Sciences from California State College in Los Angeles, his Masters degree in Entomology from the University of California at Davis and his doctoral degree in Wildlife Biology from Michigan State University.

Dr. Risk has been an Associate Professor for 15 years at Penn. State University and Michigan State University. He has had wide experience in the parks and recreation field ranging from arboretum naturalist to instructor of basic and advanced urban wilderness survival to mountain rescue specialist.

At the University of Maine he will be teaching an introductory interpretation course and a cultural resource management course. Subject to the approval of the curriculum committee he will be training both principles and methods courses in interpretation.

One of Dr. Risk's goals is to promote tourism in Maine and other states as well by initiating statewide a program anyone who comes in contact with the public.

"The average person has little contact with nature, has lost his sense of ties with the forest... some children don't know where somethings come from... milk for instance." Dr. Risk said that he would like to change that at least a little.

Dr. Michael S. Greenwood, Ruth Hutchins Professor of Forest Tree Physiology, joined the faculty here at the College of Forest Resources in June of 1984. Dr. Greenwood received a B.A. in Botany from Brown University in 1963. A Masters of Forestry, from Yale University in 1965, and a Masters of Science from Yale in 1966. He earned his Ph.D., from Yale University in Plant Physiology.

Before coming to U.M.O. Dr. Greenwood was a Senior Research Associate and Tree Improvement Unit Leader for Weyerhaeuser Timber Company, in Hot Springs Arkansas. His work emphasized reproductive development in conifers and the development of mass pollination procedures for mass producing seed of known parentage.

While here he will be teaching courses in advanced tree physiology. He wants to develop tree improvement and an improved method of accelerated advanced generation breeding programs, with an emphasis on white spruce, red pine, and larch.

Much of Dr. Greenwood's work will be conducted in the new greenhouse scheduled to be built by August of 1985. The new building is being funded partially by the University and by an endowment from the Hutchin's Fund.

Support Staff

Laurie Shaw Gina Pelletier

Marie Roy

Maxine Horne

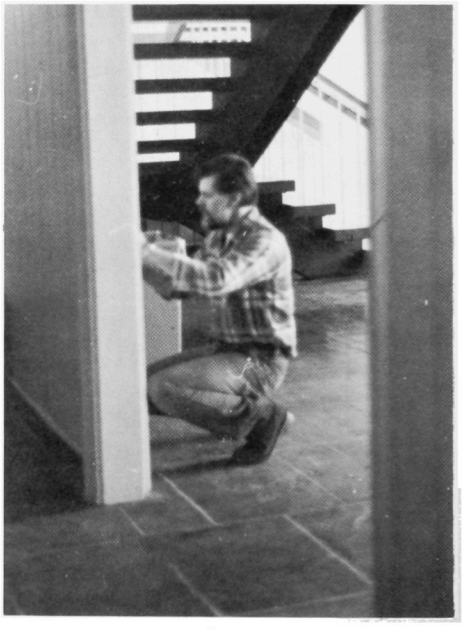
Lynne Lavoie

Cindy Paschal, Helen Beylea

Janice Gifford, Nora Ackley

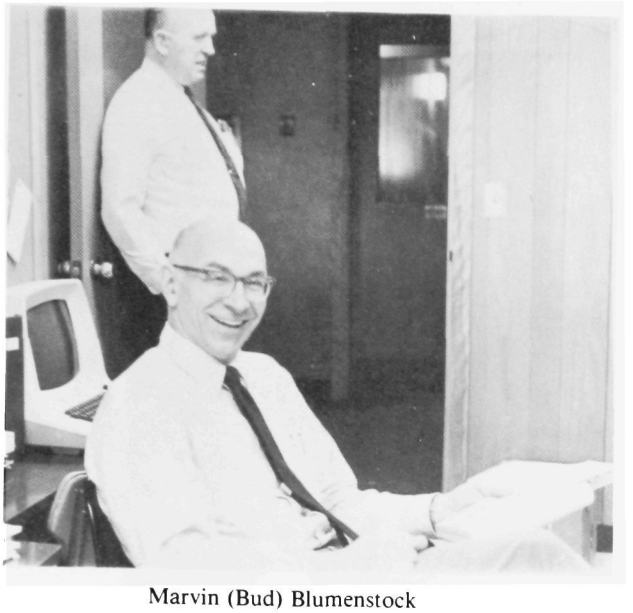
Delores Stone

Arthur Joaquin

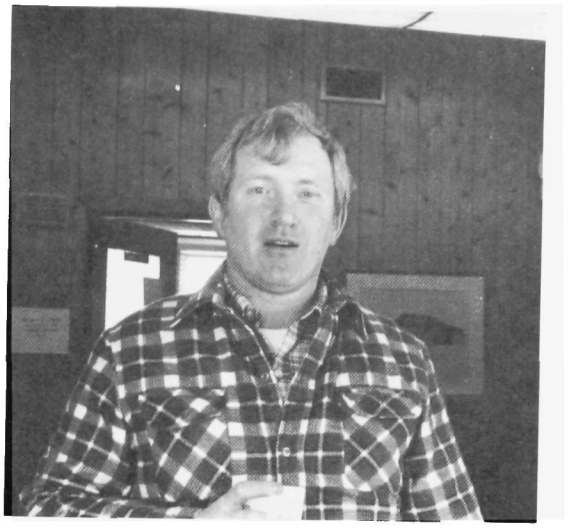


Walter Legree

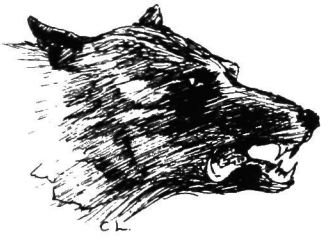
Paul Bertrand

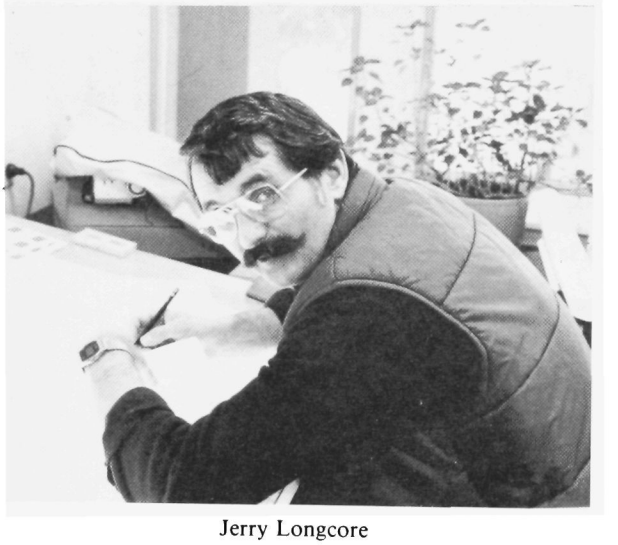


Marvin (Bud) Blumenstock



Jim Philp



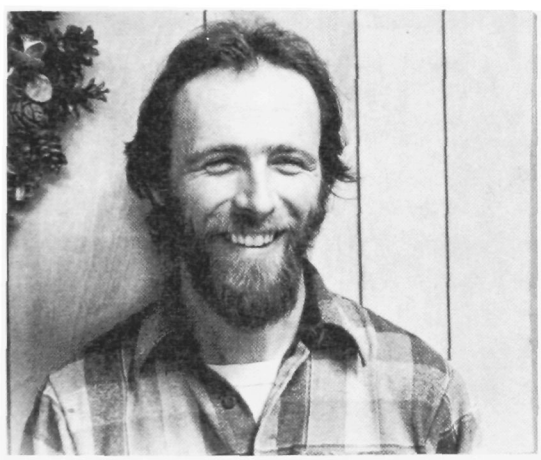


Jerry Longcore

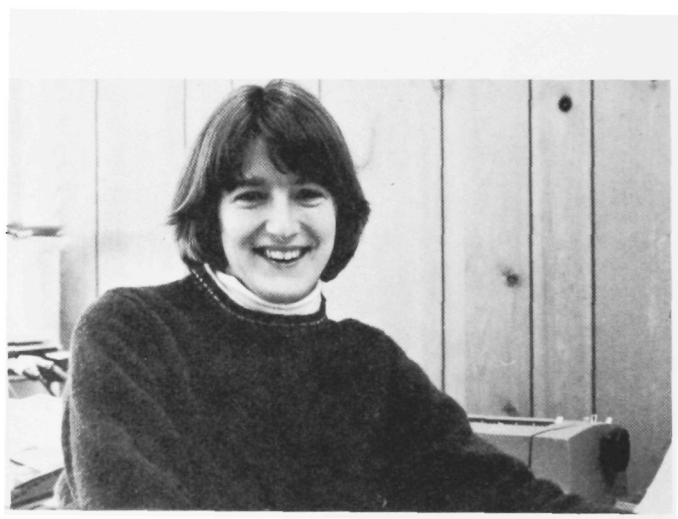
William Lilley

Greg Reams, Research Associate

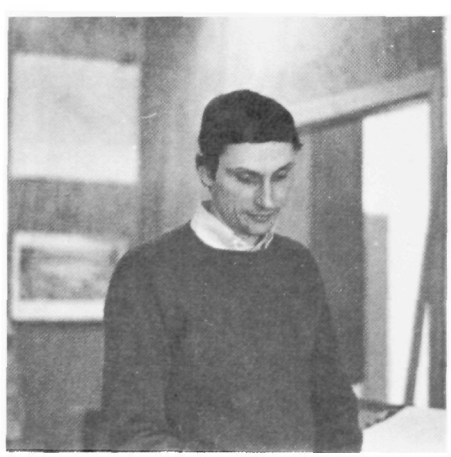
Pete Caron, Research Technician



Jack Witham, Research Technician



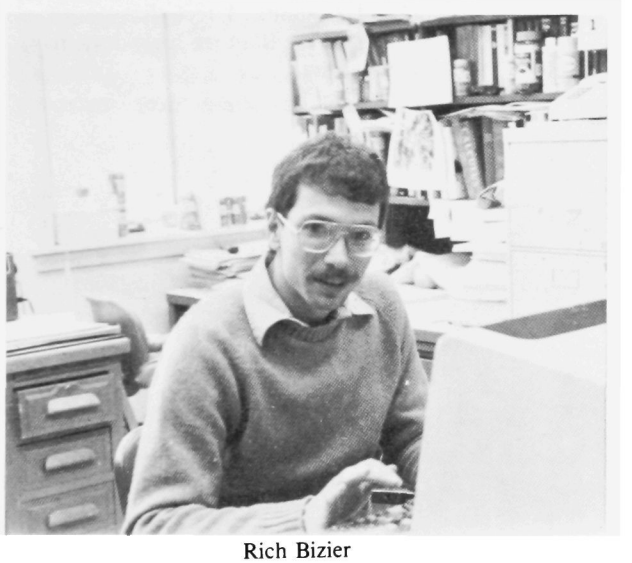
Jody Jones, Research Technician



Tom Newcomb, Research Associate

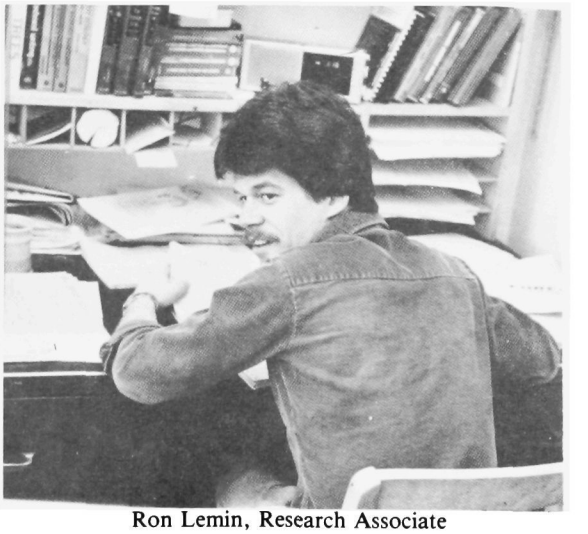
Mary Viik, Research Technician

Keith Paschal



Rich Bizier

Kate Wynne, Research Technician



Ron Lemin, Research Associate

VISITING PROFESSOR

Dr. Ivan Kolenka, visiting scientist from the University of Zvolen in Czechoslovakia:

"I came to America to study math models, programming and their uses. In Czechoslovakia I studied economic models, and long term planning. The models are the same here and there, but the problems are very different. Here in America, you have a higher level of technology in computers. We both have the same families of trees, but different species.

In the United States there is so much wood. Czechoslvakia is about the same size as the state of Maine and we have far more people. So many regulations on harvesting. There are no clearcuts as there are here. The largest amount of land that can be cut is 12 acres, no more than that. In 20 years or so forest products and the environment will be very important to everyone, even here."

On Education:

"We have three levels of education: base, for eight years, a high school or industry school for four years, then there are technical institutes or universities that are four, five, or six years. Then it is three years to get a PhD. We have no masters degree as you have here. Our universities teach theory and the technical intitutes teach practical sciences much like your colleges. It would be four years to get a degree in forestery and six years if you want to be a doctor or an electrical engineer."

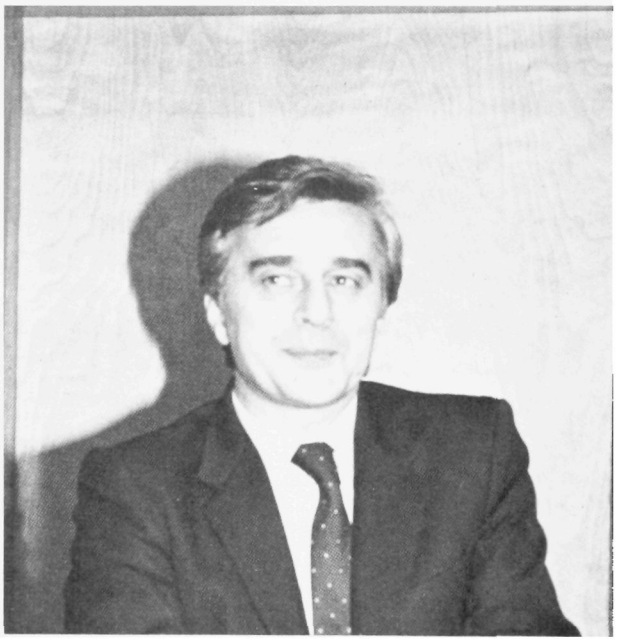
"We have two forestry colleges and one for wood technology, which is at Zvolen. There they study the mechanics and the chemistry of wood. About 20 percent of the 1500 students at Zvolen are women. We have fewer women in forestry - about 10-15 of 500. They find it too hard work in the field."

On America:

"I came to study in America because of the computer technology. I came to Maine because I knew Dr. Corcoran. We must study languages in school Russian, Czech, and one other. English is a difficult language."

"When I return to Czechoslovakia I will miss most of all, my friends and the people here, they are friendly, pleasant."

"Our countries are alike and different, politically. But to help the countries I think their should be an exchange of information, of students. I feel that young people should do something more than we have done to seek a means for understanding."

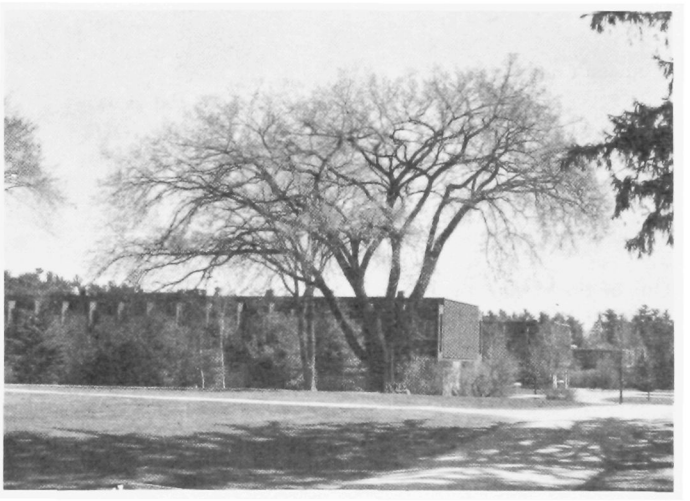


Dr. Richard J. Campana

Richard J. Campana, Professor of Botany and Forest Pathology, and Cooperating Professor of Forest Resources, retired from the University of Maine at Orono and the Maine Agriculture Experiment Station on December 31, 1984, after 38 years in teaching and research at state and federal institutions. Born in Everett, Massachuestts in 1918, he graduated from Everett High School in 1936. After three years as a laboratory assistant at the New England Medical Center in Boston and the Harvard Medical School, he spent four years at the University of Idaho, receiving a B.S. in Forestry in 1943. During World War II he served for three years in the U.S. Army in the United States and Europe. Trained both as a medical and a surgical technician, he served as a medical NCO in combat in France and Germany, was awarded a Bronze Star and was a prisoner of war in Germany. In 1947 and 1952, he received M.F. and Ph. D. degrees in forest pathology, respectively, from Yale University. In 1947, he was Instructor in Forestry at Pennsylvania State University. From 1947-52, he was Bartlett Research Fellow at Yale and Assistant Plant Pathologist, Division of Forest Pathology, USDA. From 1952-56, he was successively, Assistant and Associate Plant Pathologist, Illinois Natural History Survey at the University of Illinois, Urbana, Ill. From 1958 to the present, he has been on the faculty of the Department of Botany and Plant Pathology at the University of Maine as Professor, served as Department Head from 1958-68, and Interim Chairman in 1982-83. During his tenure at Maine, he took additional course work in plant pathology at Cornell University, and was on sabbatical leave as: Guest Botanist at Brookhaven National Laboratory, N. Y.; Visiting Professor of Forest Botany at State University of New York College of Environmental Science and Forestry at Syracuse University; Visiting Scholar in the Department of Plant Pathology, University of California at Berkeley; and Special Consultant in Plant Pathology, California Department of Food and Agriculture, Sacaramento.

Tomorrow's students will hear legends and wonder about the infamous pathology paper. They will also miss the chance to work with a truly wonderful person and caring professor. We wish Dr. Campana the best of luck in the years to come, . . .though some of us have yet to hand in our pathology papers.

GOOD LUCK Dr. Campana, and may you find the cure for Dutch Elm Disease! ! !



Quotable Quotes
FACULTY AND STAFF

"I'm going to leave before I say another quotable quote."
Laurie Shaw

"Dr. Brann, don't smile when you growl."
Marie

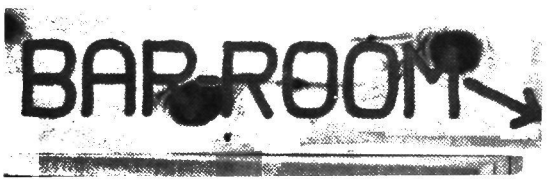
"When you're caught on the griddle the best you can do is bluff!" Dr. Pat Brown

"Exercise is a great way to clean the cobwebs out of your head." Dr. Knight

"When we paint a grad student's office it takes them five hours to move out, one hour to physically move and four hours to bitch!" Prof. Hale

When asked how he liked the lasagna at the 1984 Awards Banquet: "Well I didn't quite know what it was when it arrived."
Dr. Griffin

"A lot of foresters are good at things they can do by themselves but they have trouble communicating."
Anon.



"You can't change the apple by changing the peel"
Dr. Pat Brown

Fy 149, time: 8:00 am, "IS ANYONE AWAKE OUT THERE__" Dr. Hoffman

"You're abnormal if you are not sick around here."
Laurie

"We need another five pronged thing-a-ma-bob."
Dr. Brann

"One of the reasons these guys are dept chairmen is because they like to talk." Dr. Pat Brown

"Fortunately we have other confusing chapters with other confusing questions to go on to." Warren Hedstrom

"I don't mind exceeding the allowable cut because I'm a ruthless timber baron." Dr. Corcoran

"Can I feel Dr. Knight's shelves__"
Dr. Risk

"There's willy-nilly mating going on."
Dr. Hunter

"I'm not astute, I'm just slow."
Dr. Hoffman

"If the meaning of expert; that is ex-meaning has been and spert-being a drip, maybe you don't want to be an expert."
Dr. Risk

"Joysticks are fine but thumb wheels are better if you like using your thumbs." Louis Morin

"Stem analysis is rewarding work. If you are good you can get a cookie every four feet." Anon.

Dr. Newby to Prof. Robbins: "What are you smoking in that pipe!__"
Reply: "Sir Walter Raleigh."
Dr. Newby: "You must have cut that sucker up."

"Men, when they reach their teen years go through a phase in which their brain dissolves." Dr. Risk

"I never remember what I'm going to say so lecture is always an adventure." Dr. Corcoran

"The beauty of this game is that you can do it anywhere."
Laurie Shaw

"I'm a born sucker."
Keith Paschal

"I can spell whips better than I can spell widgets."
Dr. Corcoran

Keith Paschal to Bill Jarvis: "If you keep eating those brownies you'll look like me."
Bill Jarvis: "I can't — I'm to tall."

"Prof. Hale, do you have any friends__"
Marie

"Anybody loose for the afternoon__"
Prof. Kimball

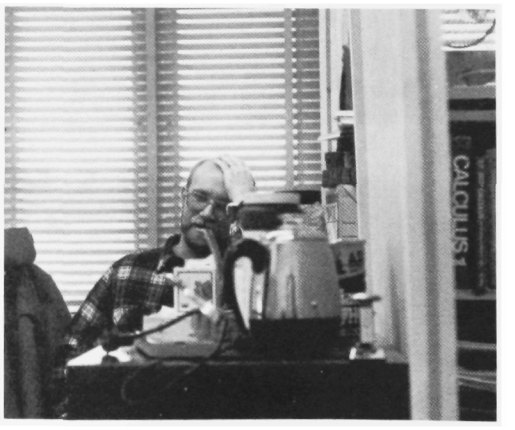
"I'm like a bad penny, I always return."
Laurie

"I can just see a whole page in the yearbook looming in front of me." Dr. Field

Well Dr. Field, here it is!:
"I'm not sure why I thought of that."
Dr. Field

"My unbiased opinion is they are worthless."
Dr. Field

"Of course this echoes back to the systems approach, as everything in the world eventually does."
Dr. Field



"Defferal Decisions. Anyone who is in college is familiar with this approach." Dr. Field

"Most foresters aren't normal." Dr. Field

"Next lecture after midterm is damage appraisal." Dr. Field

"This opens up a can of worms that I will close the next lecture on." Dr. Field

"Somewhere in my office is a good set of notes on this topic." Dr. Field

"Then you see...no you don't see... I see... you don't have this on your farm...I do." Dr. Field

"I have some other profound things to say here." Dr. Field

"Something just passed quickly through my mind but not long enough to leave an image." Dr. Field

"You've got a fan, Barry...is she a plant__" Dr. Field

"Property taxes are like bandaging up a hemorrhaging wound... I hate them but we are stuck with them." Dr. Field

"It's what people do...if people do it, it's policy." Dr. Field

"I didn't catch that. - You'll have to put it in the yearbook." Dr. Field

"Forget it, those are kind of bizzare." Dr. Field

Grads

"Did I hear a growl from the crowd__" Dave Stevens

Andy: "You wanna go romp in the snow__"
Laurie: "Sure."

"Some faculty around here are tighter then bark on trees." Anon.

"It is an unwriten law of the west, you don't mess with a man's toothbrush!" Brian Hobbs

"Hey Fred - Graduate school is making me so poor I can't even pay attention anymore." Jim Steinman

"Oh Yea__ well frogs with no legs can't hear." Andy

"I was born in June... I was the product of a logger, he only had time in the winter." Dave Stevens

"We're all mental midgets in this aspect." Andy

"You can't hit a wildlifer on the head and hurt him." Paul Strong

"I am through playing for grade, this is a drag!" Roland Dupuis

"I don't give a __*$!× about the ethics, I'm in it for the money." Rob Ebeling

"Driving in Haiti is like a pinball game except you play with your life instead of a quarter." Roland Dupuis

"I've got a loaded crutch and an empty mind, I can do strange things!" Andy

"If it doesn't have a keyboard and beep every once in a while I don't know what to do with it." Morgan Cameron

"If my advisor would stay off my butt I'd eat alot more regularly." John Petroski

"I'd do anything for money." Diane Eggeman

"Fred if you want cyanide I have some...if you want a slower death try the doctoral program." Andy

Students

"I'd really like to know why my mind works the way it does. I really would." Nick

"Sounds like a good cure for AIDS." Bernie

"I'm not going to make the bus because I can't button these last three buttons." Tish Carr

"Dawn, are those my ducky diaper pins or yours__!!! Terri

"You'll never make money if you have respect for the forest." Steve Pinkham

"I knew the answer to that but now my head is getting all hot." Mary Mahon

"I'm a perfect dbh!" Dawn Newman

"Their clothes are polyester...I can't work for this company." Steve Pinkham

"I don't do nursery rhymes." Steve Mehrl

Nick upon reading the first question on the entomology exam: "Oh well, I'm already down to a 99"

Eric Sorenson in regards to gaining entrance to Deering Hall to study for the Dendro lab final.: "Just call the fire department and follow them in."

"Why does forestry have to be done in trees__" Vicky Sillce

"All you need to take the tree test is 2 pencils and 2 coins. The extra pencil is in case the first breaks. The extra coin is for multiple choice." Bruce Crawford

"I'm not good enough to be serious about it." Mark Martin

"I've got to find some driftwood for a Christmas tree." Linda Rosenberg

"Dear God, Hi this is John, remember me__ Please help me get though this class today! Thanks!" John

"Tish you'd love to wrap me up in plastic." Bill Jarvis

"Anita what do you do about degeneracy__" Anne C.
"Have everyone committed to an insane assylum." Anita R.

"Smokey says: only you can prevent foresters" Anon

"Tish - you have to get weird." Anon

"Go ahead Tom (Brann) teach me something; I won't tell any of the other students and ruin your reputation. Anon

"Obviously you mean that physically and not intellectually." Steve Knight

"Cofske - do you want to have Children__" Nick

"Do I ever say anything itellegent__" Anita Roberts

"I've got to write Santa, my octapuss doesn't stick." Kevin M.

"Jess can I borrow your notes__ Terri
"My bike is probably more house broken then most of the students here." Jessica Lowell

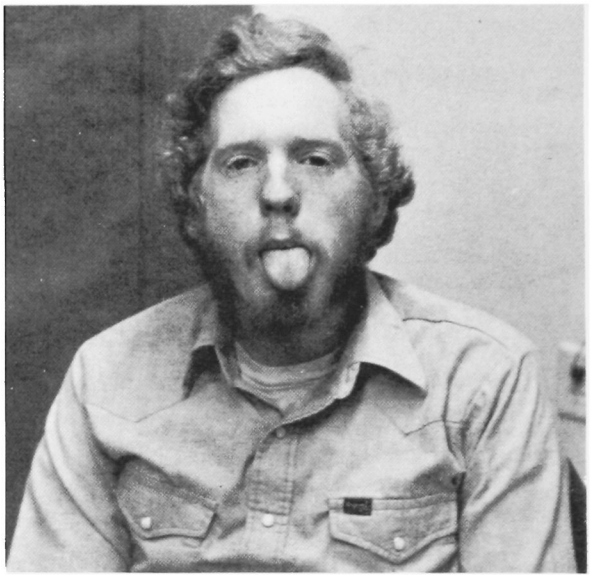
"I wouldn't want that responsibility, I'm too spacy." Tish Carr

"A friend is someone who will tell you when your zipper is down." Bruce Crawford

"I've finished adding all my drops and dropping all my adds." Anita Nikles

Bill Jarvis to Nick: "I'm just a tease Nick."

"I'd like to become a government." Shawn Carlson



"I'm as stupid as her, why can't I be an honorary member__" Nick

"It looks like a clear cut, but when you get up close you can see the regeneration." Andy Weik to Terri

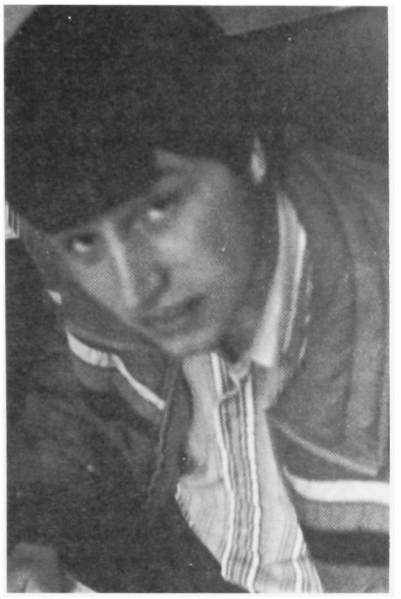
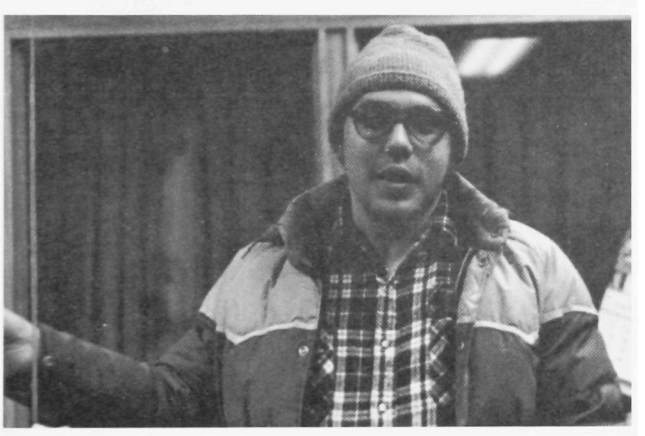
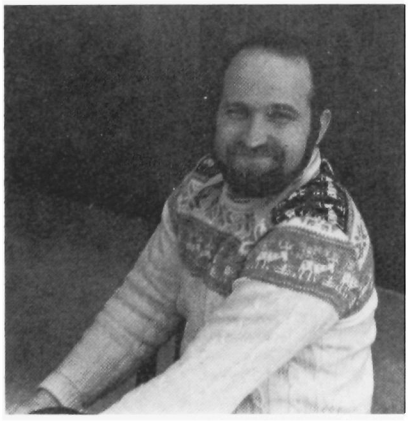
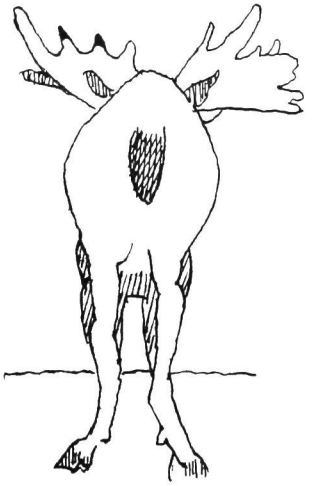
"Everywhere I go I create a problem." Kevin M.

"You know you've been around too long when you can show others where things are!" Anita Roberts

"I was born in a hospital. I wanted to be near my mother." Dave Miller

"Who do I know who's not a senior who knows what's going on__" Bernie

"I'm stupid, leave me alone." Tim White

"Did you ever notice how poetic justice never rhymes__" Patrick Arnow

"I have pity on scrawny things." Tish Carr