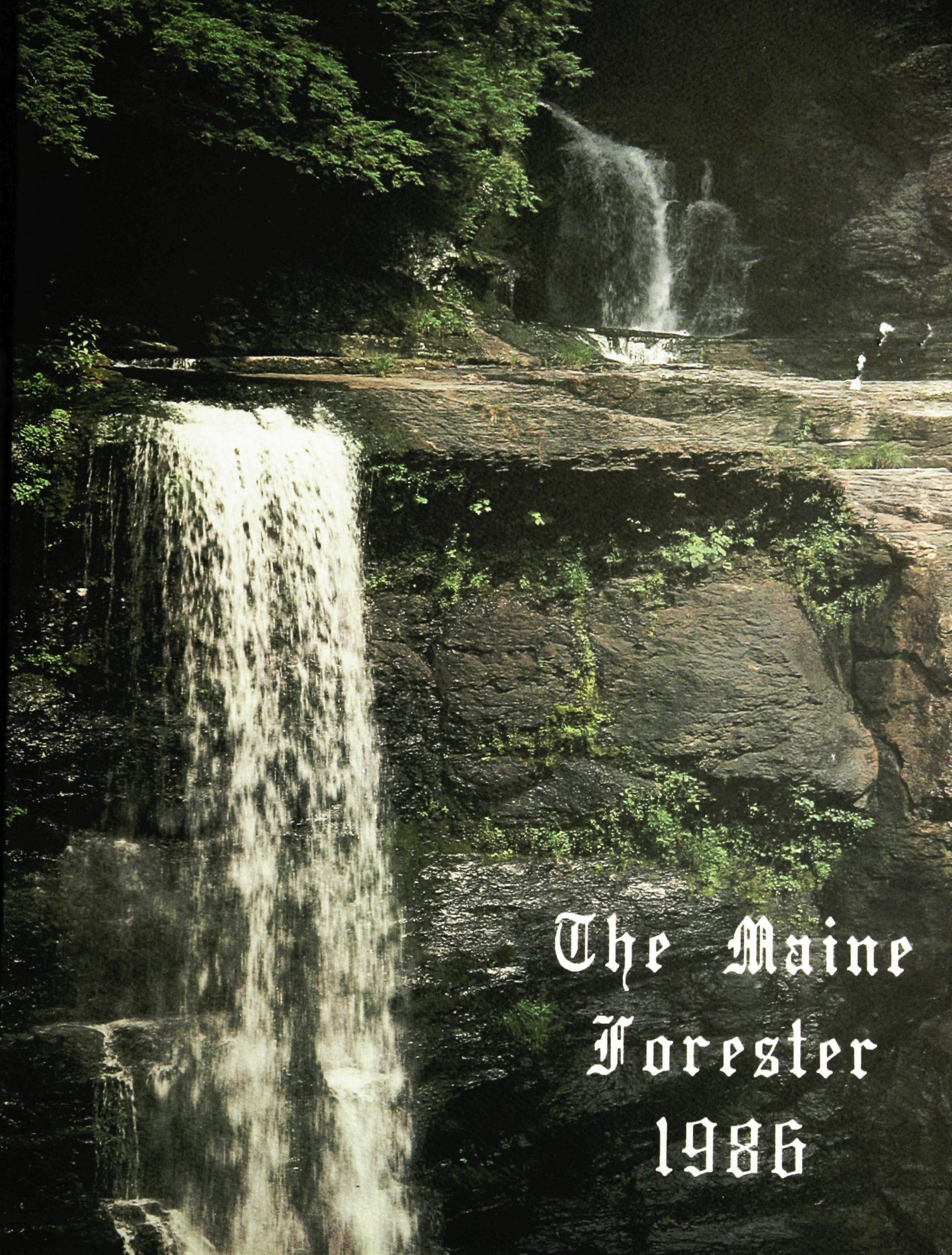
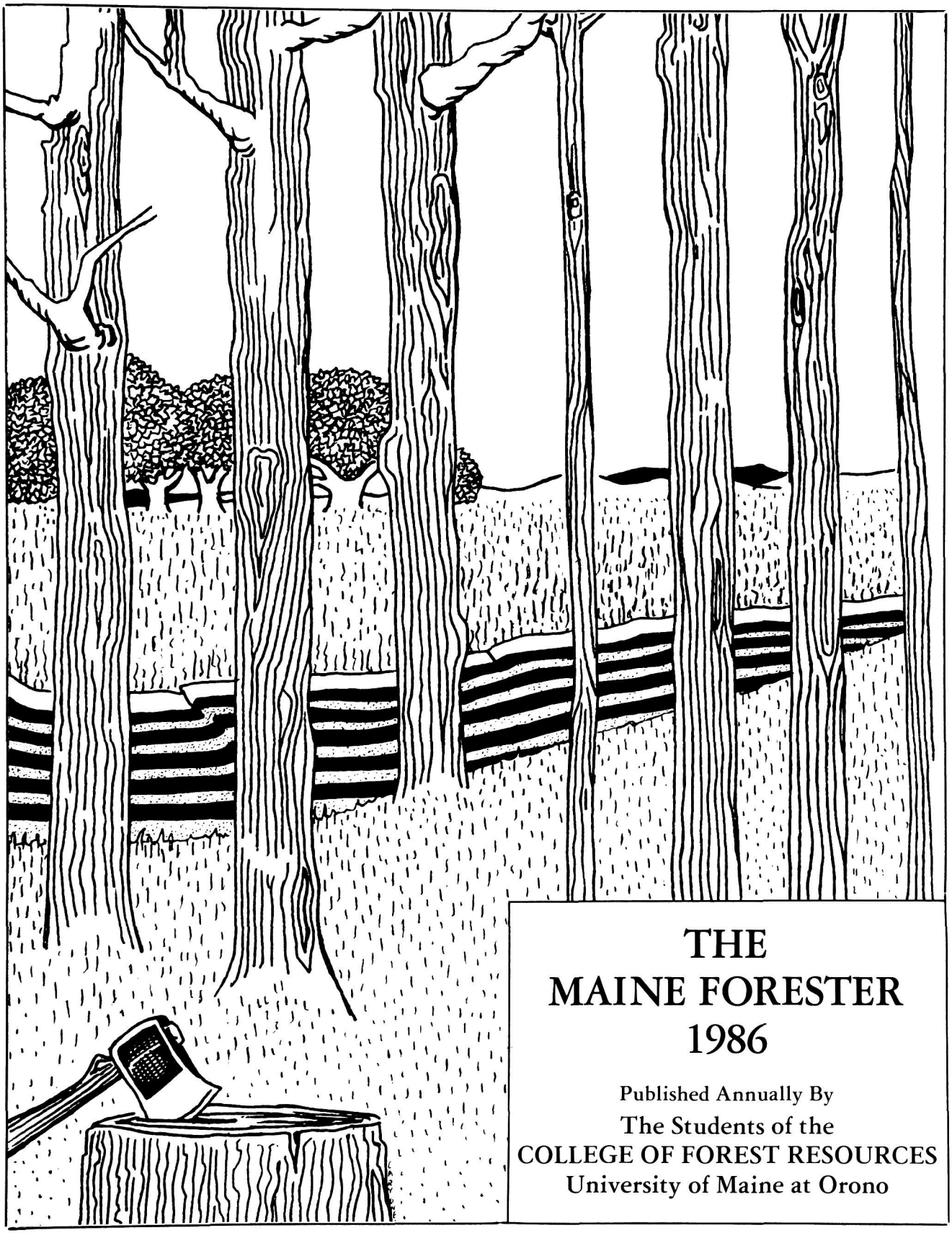


The Maine Forester 1986



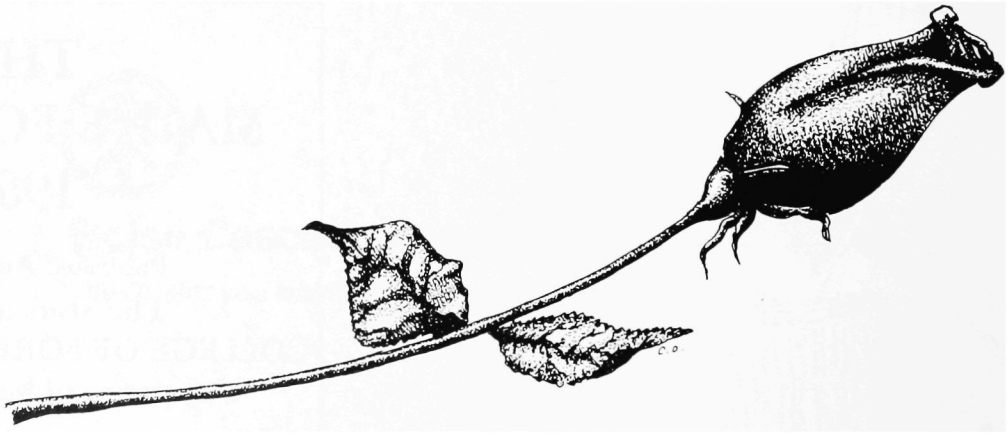
THE MAINE FORESTER 1986

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

DEDICATION

First Row: Gina Pelletier, Marie Roy, Laurie Shaw, Nora Ackley, Dolores Stone
Second Row: Mary Lou Hodge, Cindy Paschal, Lynne Lavoie, Maxine Horne, Helen Beylea

This publication is dedicated to all the secretaries of the College of Forest Resources, who are the backbone of the college with their invaluable assistance to both faculty and students. For their forebearance and frequently unrecognized service and toils, we wish to express our deepest gratitude and appreciation.



A dictionary might define "dedicate" to mean something having to do with a declaration of respect or affection for someone. This is terribly inadequate when it comes to expressing our appreciation for the contributions made each day by the secretaries in "Forestry." They are the HEART to our Departments and without them, we would be like a patient with an artificial heart—limited in the progress we can make and limited in the energy needed to be dynamic and fully functional. Today, as always, we feel that the most crucial people in our organization are the secretaries. Although words cannot express fully how we feel, we hope that this dedication to Helen, Cindy, Mary Lou, Marie, and all the other secretaries in Nutting Hall will warm their hearts as they have warmed ours.

Floyd L. Newby, Chairman
Forest Biology Department

Faculty members often have received recognition for the many programs with the College of Forest Resources, while all the secretaries often have made major contributions to these programs, but have gone unmentioned. I have been impressed that even though this often happens, I never have heard any of the secretaries in the College utter a single complaint relative to this lack of recognition. All of the faculty and administrators within the College recognize the tremendous contributions the secretaries make to all programs, but I will focus my attention on my personal secretary, Regina Pelletier. Actually, Gina's formal title became "administrative assistant to the Dean" shortly after Forest Resources became a College, but she still prefers to be thought of as the College's secretary. This issue of the Maine Forester *could not provide adequate space to mention all the things Gina has contributed to the College and previous School over many years. She has devoted long hours well beyond the call of duty in performing every task with precision. Even more commendable is the fact that Gina has continued through all the trials and tribulations of working with me, and still maintained a very pleasant and friendly personality. Her rapport with students, staff and faculty have been the source of many compliments over the years. The College of Forest Resources definitely would not be the strong College which it is today if it were not for Gina's devotion and service. THANK YOU, GINA!*

Gregory N. Brown, Dean

The personnel department of the University would be completely frustrated if they had to come up with a complete evaluation of the secretarial and clerical staff in Nutting Hall. Personnel departments, even when being critical, like to use polite phrases such as: "most of the staff have a slightly excessive tendency to verbalize opinions to faculty and students." Freely translated—most of them are mouthy. (Have you ever heard Marie and Tom Brann discussing his word-processing system?) As Building Manager I occasionally get death threats from Maxine—"You're going to die if I don't get some heat in my office." A second general statement Personnel would make is: "Frequent group observances of personal events are noted to occur." Translation—Any excuse for a party. They use the K-Mart system. When K-Mart opens a new store in Boise, Idaho, they have a sale in Bangor. The last party here celebrated the birthday of Laurie's third cousin who she has never seen as she lives in Alaska.

I could go on citing further shortcomings that Personnel would undoubtedly observe, but let's take a look at the positive side. Why do we have such an excellent staff, reputed to be the best on campus? In the first place, they are highly productive and have done a tremendous job over the past few years transferring their skills to the world of computers and word processors. They are also highly efficient and conscientious. (Have you ever tried to slide a misspelled word by Marie?) The faculty find that the secretaries are an excellent group to work with and really appreciate the high quality of their product, be it their typing or their keeping us out of trouble by making sure we keep our appointments and make our meetings on time. (The faculty are like the kids in Lake Woebegon—"slightly above average" as a group to work for.) The real reason for our reputation and why they come here to work is you, the students. They think that you're the greatest! They like working for you while you're here and really miss you when you graduate. Where else on campus do you find someone who is the epitome of charm and friendliness like Mary-Lou, who is a den mother who writes poems to you to make sure you get paid as Nora does, or who can quickly supply you with a publication from her files as Dolores does, all on one floor? I think that it is a real tribute to them to have the Maine Forester *dedicated to them this year. Let's put a copy in each of their files and send them over to the Personnel Office! There is one thing, by the way, that we don't want Personnel to find out—a full fledged Dean's secretary is supposed to be able to give a student a look that will freeze him or her on the spot and make their knees shake. Gina has not and probably never will master this art.*

Richard Hale
Wood Science

Wildlife

Ask any wildlife grad student (and faculty too) who does the legalizing, supervising, and deputizing and they'll answer with one voice on bended knee, "Maxine!" It's a good thing 240 Nutting Hall doesn't have charge of a mess hall, or else KP duty would be a regular assignment for some nonconforming grad students and faculty (right Jorde!). Then again some grads would rather do KP duty than be assigned to "injured bird" calls or carrying boxes that would strain a hydraulic lift. Alas, those rare grad students who survive on the good side can count on having their mail forwarded to them after graduation by the Executive Department Chairman herself.

In keeping with current trends, the newest wildlife secretary is a computer jock!, figuratively speaking. If you ask Nancy about thimbles and character strings, you'd better be thinking about printers and word processing terminals; not sewing! Faculty and students can always count on her guidance and help; so long as she isn't on standby duty to answer the department telephone. For Christmas (or the next upcoming holiday, preferably before Memorial Day), Nancy would like either a department telephone extension in her office or a hole in the wall.

College Administration

Did everyone know that the "upstairs-downstairs duo" were highly trained departments of the treasury agents? Nora not only doubles as an "armed guard" stationed outside the vault where Jan controls hundreds of thousands (and we don't mean paper clips), but Nora also controls who can set foot into the hallowed of Nothing Hall after hours. Yes, within their lair emulates the power over if, when, and how research projects will fly. If you need a lesson in humility and servitude, well . . . you know where to go, and be darned sure you have that supply request signed by your respective department chairman herself.

Awhile ago a student with a heart of stone and hell-bent on seeing the Dean marched into Gina's office and . . . well, you know the story. Yep! Her soft voice melted that stone heart like butter. The pinnacle of diplomacy is to be able to tell a person where to go in such a way that they would look forward to the trip. Under Gina's "soft voice" spell there are those who, upon realizing where they are headed, just don't have the heart to object.

At the height of a frustrating week of preregistration last semester, a freshman forestry student was heard to utter, "Hi Mom" in Laurie's office, and promptly received an apron string to hold on to during the painful growing-up years of academic life. From the world of "Tiggers", photocopiers, and proposals to coat duck food with cheese comes an, "Oh dear, the poor thing," accented by those big suddenly saddened eyes, and followed by, "I'm so sorry, is everything going to be alright?" Yep, after melting to butter in Gina's office, faculty and students alike mellow into warm milk in Laurie's storybook world.

Forestry

How many of you know that Cindyrella and her Prince Charming both work at Nothing Hall? She's keeper of the Canon personal control card . . . and it's magic! Cindyrella has had tours of duty all over Nothing Hall . . . 4-5 office moves since the beginning of the decade. Where to next, Cindyrella?

CFRU is produced, directed, and marketed by the Lynne Consulting Co., LTD. Old Town. Since the turn of the century, Lynne has been through as many typewriters and word processors as Cindyrella has with offices. When are you going to upgrade to laser technology, Lynne? Go for it!! . . . and don't let anyone on the odd side of Nothing Hall tell you that they know more about running a CFRU than you do.

Jan + Nora

The best advice, at least the most useful advice, given to me by outgoing (successful) survivors of the CFR was "get to know Jan and Nora, believe and do whatever they tell you." If you follow that advice, you too will survive the financial maze of lower Nutting Hall: a tribute to the skill, professionalism and courtesy of Jan and Nora, the magicians of budgetry—"No questions asked, just sign here. . . ." P.O., IDT, TA, Pay, etc., etc.

If there ever were any unsung hero or heroines here in Nutting Hall, it would be, unquestionably, all of the secretaries (AKA administrative assistants). I mean after all, as students, who do we see to find out what's going on in Nutting course-wise or who do we see when we have to find out what we need to graduate (when we finally get there!)? Who do we see if we have to add-drop or borrow something like tape, stapler, ruler? Need I go on? We always seem to turn to one of the secretaries. They always seem to have a CLUE.

tish carr

"Wait a minute I've got to make a photocopy!" (Nora)
"So what's this?" (Nora)
"Where's your green card?" (Jan)
"Yes, you really have to do it that way." (Jan)
"Don't ask me why, I just work here." (Nora)

The secretaries in the College are outstanding. They are hardworking, dedicated, and dependable. In spite of this, they are also just plain fun to work with! It would be pretty dull around Nutting without their pleasant comments???, smiles, birthdays, lunches out, Christmas parties and much, much more. Our thanks to all of you.

Bucky

I will comment on two very special people that I work with on a regular basis. Regina Pelletier has been my friend for many years. She is totally devoted to the College and to the students. Gina is a great organizer and a very fine administrative assistant. Laurie Shaw works directly with me as the devoted assistant to the Associate Dean. She loves every student who enters the office and will work far beyond the call of duty to help them solve problems. These two dedicated people deserve this special recognition. I am proud of their work and their dedication and express my love to both.

Fred B. Knight

Dear Secretaries:

I am always impressed that you guys can get anything done, with all the distractions that are inherent in your job, 50 phone calls/day, 100 student requests, 1000 faculty requests, computer problems, Xerox machine breakdowns. Out of all this confusion, you manage to produce letters, memos, forms, manuscripts, etc.

Ever since we (grad students) got office telephones, I have found out firsthand what it is like. Fifteen times a day. Hello, is (Roland) there? (He never is.) When will he be back? Is he in the computer room? Then some 10-minute message. About phone call number 10, I feel like answering, no, he is not here, he is never coming back, no, I will not take a message.

So thanks, secretaries, for being helpful and good natured (most of the time). I can see it ain't always easy.

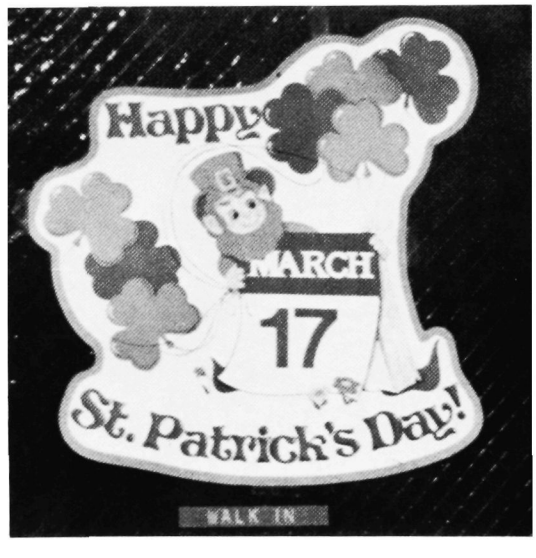
Jennifer

I wish to express my deepest thanks and gratitude to Cindy and Helen for their invaluable assistance to me while I have struggled to finish my program here. They have gone beyond their job responsibilities for me, and have displayed personal concerns as well as given me encouragement. Thank you, Cindy, for helping me through the final days.

Roger Williams

The secretaries: backbone of Nutting Hall . . . as professionals, invaluable . . as friends, outstanding. . . . My hat goes off to these special people who, in their own ways, help to advance natural resources. Without them the College of Forest Resources would be just another empty building.

Andrew Alexson
Alumnus


Happy
MARCH
17
St. Patrick's Day!
WALK IN

Greetings from the Dean

The theme of the 1986 MAINE FORESTER is "water resources." Forest resource managers must be knowledgeable in the management of a broad array of resources including timber, wildlife, recreation, aesthetics, and water. Production of all forest resources is limited more often by water than by any other production variable.

Approximately 60 percent of the soils in the United States have capability limits related to deficient or excess water. In the future, the acreage of water-stressed forests will increase because of an increasing competition from other water users, declining ground-water levels in many areas, and increasing use of droughty or poorly-drained soils. More efficient management of surface and ground waters will become vital to improving water quality and yields from forest lands.

Many of our nation's forests are growing on watersheds important to population centers, and water characteristics are impacted by changes in forest ecosystems resulting from management and harvesting practices. Also, atmospheric deposition and direct chemical applications may impact water quality at sites far removed from application sites.

Maine, like other forested states, must respond to resource needs related to water quality, water quantity, and seasonal distribution of water availability. Excessive water runoff resulting from an imbalance in forest ecosystems can result in severe erosion which directly and indirectly affects sedimentation rates and water quality. A major component of the 1985 Federal Farm Bill recently passed in Congress contains sodbuster, swampbuster, conservation reserve, conservation easement, and conservation compliance regulations. All of these provide incentives/disincentives directed toward proper management of soil and related water resources.

Issues related to water and soil resources have been identified at the top of the USDA priority list for future research investments.

Many streams and lakes associated with our forest lands already have been impacted by chemical applications and atmospheric deposition. These processes, in turn, have affected fish and wildlife. Forests associated with streams and lakes, particularly in the riparian environment, can provide an ameliorating influence to protect waters from severe changes in sedimentation and quality.

The Emergency Wetlands Resources Act is pending federal legislation which also addresses water resources. It proposes increasing federal funds available for wetlands acquisition, increasing the Duck Stamp program, and charging entrance fees at designated National Wildlife Refuges.

Water is only one of a broad array of resources associated with the forest, but proper management of forest water resources will drastically influence timber, wildlife, recreation, aesthetics and all values related to the forest.

Since publication of the 1985 MAINE FORESTER, our College has welcomed Dr. Larry Gering, Assistant Professor of Forest Resources in photogrammetry, filling in for Marshall Ashley during his leave of absence; Dr. Jody Goodell, Assistant Research Professor of Forest Resources in biology and pathology; Dr. Dennis Jorde, Instructor of Wildlife in wildlife biology; Dr. William Krohn, Leader, Cooperative Fish and Wildlife Research Unit and Associate Professor of Wildlife in wildlife ecology; Dr. William Livingston, Cooperating Assistant Professor of Forest Resources and Assistant Professor of Plant Pathology in forest pathology; and Dr. Mark McCollough, Instructor of Wildlife in wildlife ecology. During this same period, John Bissonette, Acting Leader, Cooperative Wildlife Research Unit and Associate Professor of Wildlife, and David Leslie, Assistant Professor of Wildlife, have left the College for faculty positions at Utah State University and Oklahoma State University respectively. Searches are actively ongoing for Dr. Leslie's replacement, for a new Assistant Leader, Cooperative Fish and Wildlife Research Unit and for the Curtis Hutchins Professorship in Forest Ecology. Hopefully, all these positions will be filled in the near future.

I would like to close this letter with a special recognition and challenge to the Class of 1986. 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 multiple land use management. Regardless of the primary land use with which you will be affiliated, water resources will play a vital role. As professionals, you will find yourself involved with management of these forest water resources. I have been positively impressed with the performance and attitudes of our student body, and take great pride in being associated with the students of the Class of 1986 as they move into the professional world. On behalf of the College of Forest Resources, I wish our 1986 graduates success, peace, and happiness in their careers and lives.

Sincerely,

Gregory N. Brown

Gregory N. Brown
Dean

Comments by the Associate Dean

Each year it is a pleasure to write down a few words especially for the members of the graduating class. I have become acquainted with each of you at least by name and for many I have come to know you well and can relate to you as a colleague and friend. Everyone in the class will be joining one of the professions in natural resources. I hope that from this time we will be on a first name basis with each other as equal professionals.

I know that these four years, for a few perhaps five, have dragged at times but now that the end is in sight perhaps all look back thinking that the time has been very short. There have been frustrations, grades that might have been different and efforts that have gone unrecognized but also triumphs when an unexpected thank you has been received or when a friend has been helped by something you did. All has been a part of these years that are now closing with the completion of the primary goal. The four years seem short to me also but there is a difference because each year I watch a group of fine individuals leave the University while another begins their studies. It is a special joy to be part of the process.

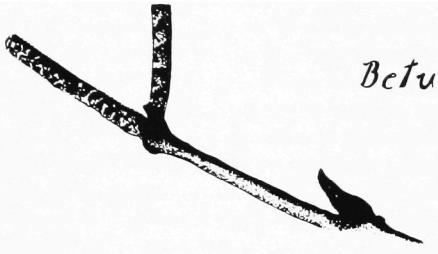
Now is the time to cement relationships with your University and your College of Forest Resources. I am a member of the Forestry-Wildlife Alumni Association (1949) and you will be too when you receive your degree. One of my jobs is to publish a brief newsletter for the association two times each year. We obtain our mailing labels of the graduates from the College from the General Alumni Association files. If your address is incorrect in those files you will never receive the newsletters. I hope you will put the Alumni Association as a high priority on your list of places and people to be notified each time you make a change in your address; we want you to know what is happening in your College.

It is difficult to think of a way to close as we look to the future with much uncertainty. We must be optimistic that the world will become a better place with passing time where we can practice our professions with confidence that our efforts to provide for people while maintaining a sound environment will be fruitful. I wish good success for all of you and a strong measure of good health and happiness in the future.

Sincerely yours,

Fred B. Knight
Associate Dean

Faculty



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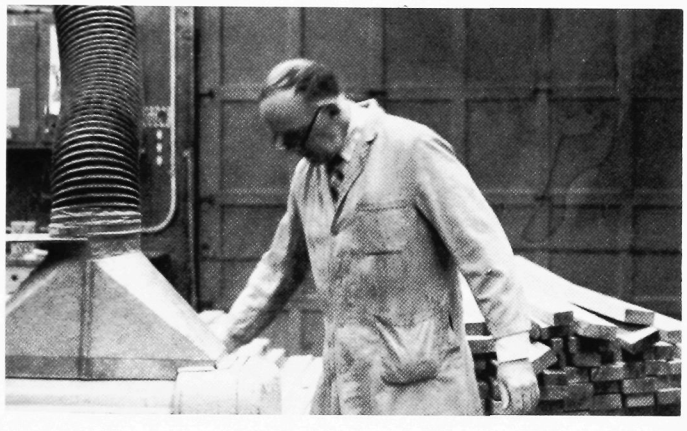

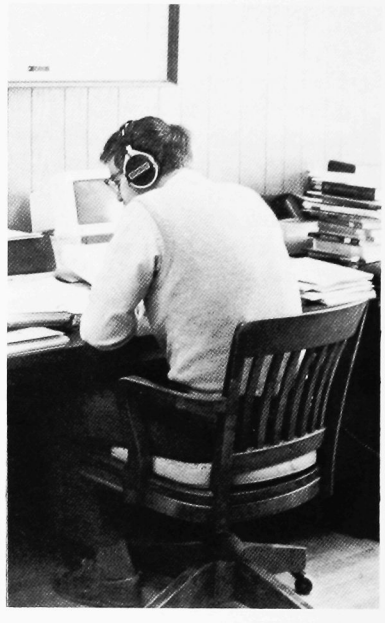


Larix
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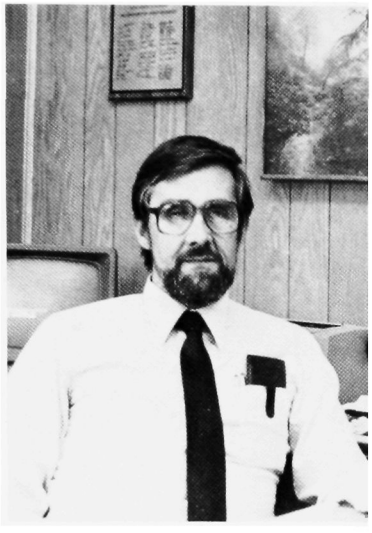
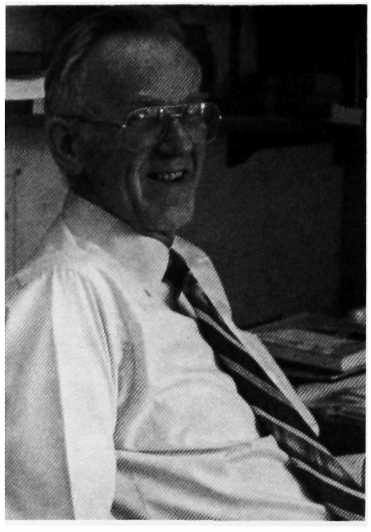


GREGORY N. BROWN
Dean
Associate Director Maine Agricultural Experiment Station
Professor of Forest Resources
B.S., Iowa State University, Forest Management, 1959
M.F., Yale University, Silviculture, 1960
D.F., Duke University, Tree Physiology, 1963
Tree Physiology



FRED B. KNIGHT
Associate Dean
Dwight B. Demeritt Professor of Forest Resources
B.S., University of Maine, Forestry, 1949
M.F., Duke University, Forest Entomology, 1950
D.F., Duke University, Forest Entomology and Forest Mensuration, 1956
Forest Entomology

Department of Forest Biology

FLOYD L. NEWBY
Chairman, Department of Forest Biology
Professor of Forest Resources
B.S., Utah State University, Forestry, 1964
M.S., University of Michigan, Forest Recreation, 1966
Ph.D., University of Michigan, Forestry, 1971
Forest Recreation, Recreation and Park Management

KATHERINE K. CARTER
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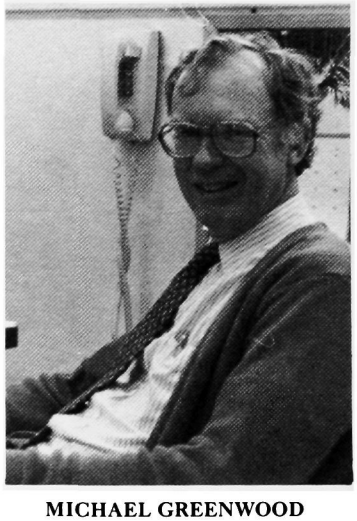
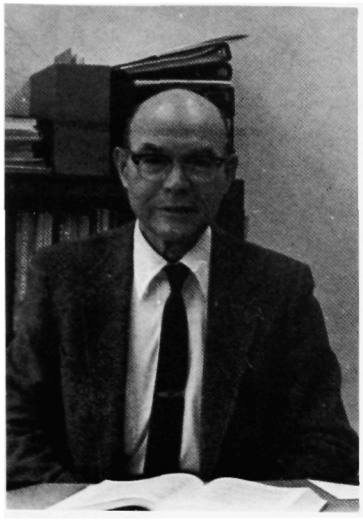
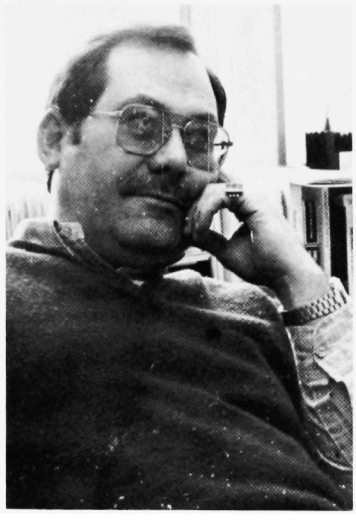
B.S., Central Missouri State University, Biology, 1974
M.F., Duke University, Forestry, 1978
Ph.D., West Virginia University, Forest Genetics, 1980
Forest Tree Improvement



MICHAEL GREENWOOD
Ruth Hutchins Professor of Tree Physiology
Professor of Forest Resources
B.A., Brown University, Botany, 1963
M.F., Yale University, Forestry, 1965
Ph.D., Yale University, 1969
Tree Physiology



RALPH H. GRIFFIN
Professor of Forest Resources
B.S., Virginia Polytechnic Institute, Conservation and Forestry, 1943
M.F., Yale University, Forest Management, 1947
D.F., Duke University, Silviculture, 1956
Silviculture



MARK W. HOUSEWEART
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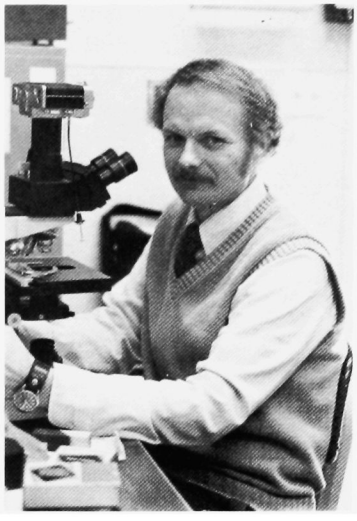
Cooperative Forestry Research Unit
Cooperating Research Professor of Entomology
B.S., Kansas State University, Biological Sciences and Education, 1965
M.S., Colorado State University, Forest Entomology and Forest Pathology, 1969
Ph.D., University of Minnesota, Forest Entomology and Computer Sciences, 1976
Forest Protection



RICHARD JAGELS
Associate Professor of Wood Technology
B.S., Syracuse University, Wood Anatomy, 1962
M.S., Syracuse University, Forest Pathology, 1965
Ph.D., University of Illinois, Structural Botany, 1968
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ALAN J. KIMBALL
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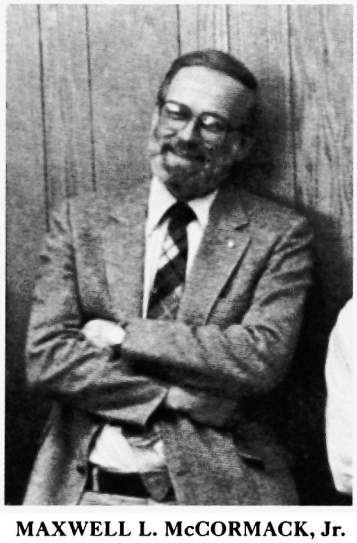
B.S., University of Maine, Wildlife Management, 1972
M.S.F., University of Maine, Forest Management, 1978
Biology and Integrated Management of Small, Non-Industrial Forest



MAXWELL L. McCORMACK, Jr.
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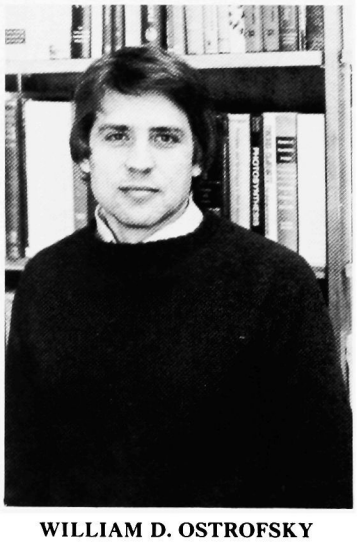
D.F., Duke University, Silvics, 1963
Silviculture



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M.S., Oregon State University, Botany and Plant Pathology, 1975
Ph.D., University of New Hampshire, Botany and Plant Pathology, 1982
Forest Pathology

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M.S., University of California at Davis, Entomology, 1969
Ph.D., Michigan State University, Wildlife Biology, 1976
Environmental Interpretation

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Head of Two-Year Forest Management Technology Program
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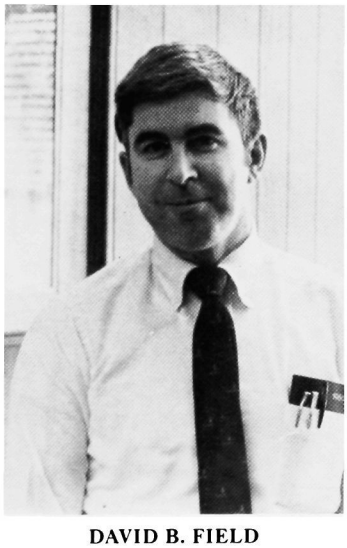
M.S., University of New Brunswick, Forest Harvesting, Labor, 1956
Photogrammetry and Wood Products

Department of Forest Management and Wood Utilization



DAVID B. FIELD
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Forest Policy

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M.S., University of New Hampshire, Forest Management, 1974
Ph.D., Virginia Polytechnic Institute and State University, Forest Biometry, 1979
Statistics and Computer Applications to Forestry

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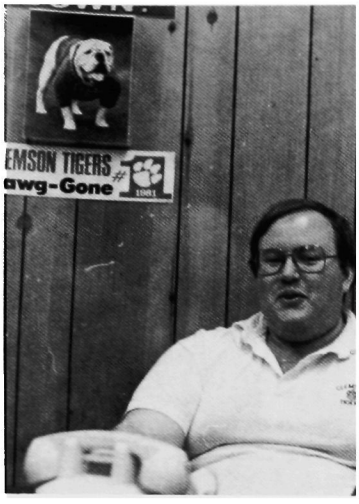
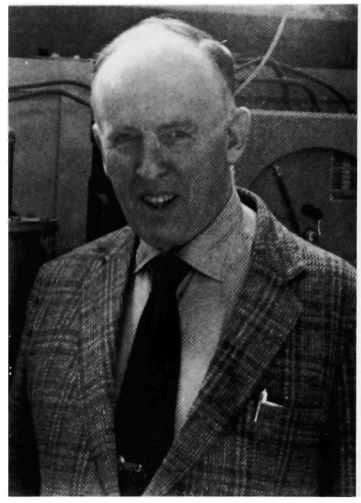
Co-administrator Forest Engineering
B.S.F., Michigan Technological University, Forestry, 1955
M.S.F., Purdue University, Forestry, 1962
Ph.D., Purdue University, Economics, Industrial Engineering, Statistics, 1962
Engineering Economics



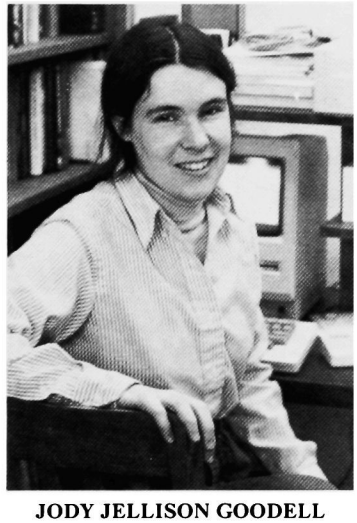
LAWRENCE R. GERING
Assistant Professor of Forest Resources
B.S., University of Maine,
Forest Management, 1979
M.S., Clemson University,
Forest Management, 1982
Ph.D., University of Georgia,
Forest Biometrics, 1985
Remote Sensing

BARRY S. GOODELL
Assistant Professor of Wood Technology
B.S., University of New Hampshire,
Botany and Plant Pathology, 1976
M.S., Oregon State University,
Forest Products, 1980
Ph.D., Oregon State University,
Forest Products, 1983
Wood Science and Technology

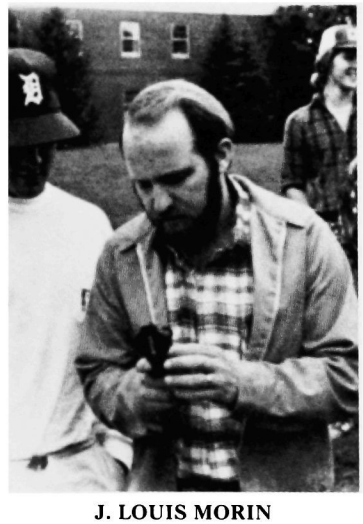


RICHARD A. HALE
Associate Professor of Wood Technology
B.S., University of Maine, Forestry, 1947
M.F., Yale University, Forestry, 1948
Primary Wood Processing

BENJAMIN F. HOFFMAN, Jr.
Associate Professor of Forest Resources
B.A., University of Virginia, 1951
M.F., Yale University, Forest
Management, 1957
M. Phil., Yale University, Silviculture, 1981
Ph.D., Yale University, Harvesting, 1982
Timber Management



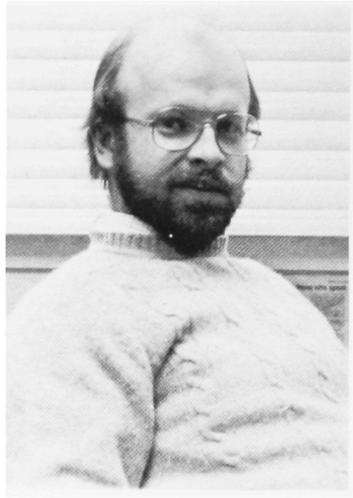
JODY JELLISON GOODELL
Assistant Research Professor
B.S., University of New Hampshire,
Botany, 1977
M.S., Oregon State University,
Botany and Plant Pathology, 1980
Ph.D., Oregon State University,
Plant Virology, 1983
Biodegradation of Wood



J. LOUIS MORIN
Instructor, Forest Resources
B.S., University of Maine,
Forest Management, 1976
M.S., University of Maine,
Forestry, 1978
Photo Interpretation and Remote Sensing

ROBERT K. SHEPARD, Jr.
Associate Professor of Forest Resources
B.S., University of Michigan, Forestry, 1963
M.F., Duke University, Forest Entomology, 1964
Ph.D., University of Michigan, Forestry and Biometeorology, 1970

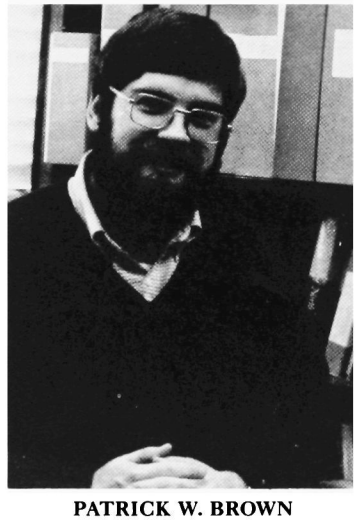
JAMES S. SHOTTAFER
Professor of Wood Technology
Head, Forest Products Laboratory
B.S., State University of New York, Syracuse, Wood Technology, 1954
M.S., State University of New York, Syracuse, Wood Technology, 1956
Ph.D., Michigan State University, Wood Science, 1964
Wood Properties and Processing



ROBERT S. SEYMOUR
Assistant Research Professor
Cooperative Forestry Research Unit
B.S., Ohio State University, Forest Management, 1974
M.F., Yale School of Forestry and Environmental Studies, Forest Management, 1976
Ph.D., Yale School of Forestry and Environmental Studies, Silviculture, 1980
Timber Management and Harvesting

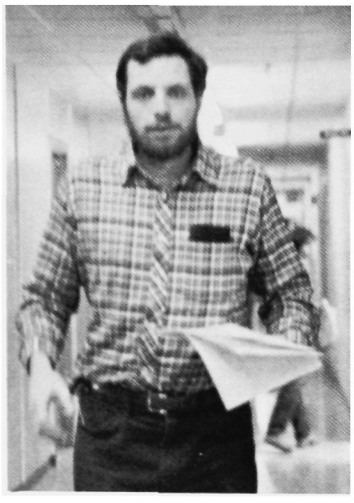
Department of Wildlife

RAY B. OWEN
Chairman, Department of Wildlife
Professor of Wildlife Resources
B.A., Bowdoin College, Biology, 1959
M.S., University of Illinois, Ecology, 1966
Ph.D., University of Illinois, Ecology, 1968
Wildlife Ecology

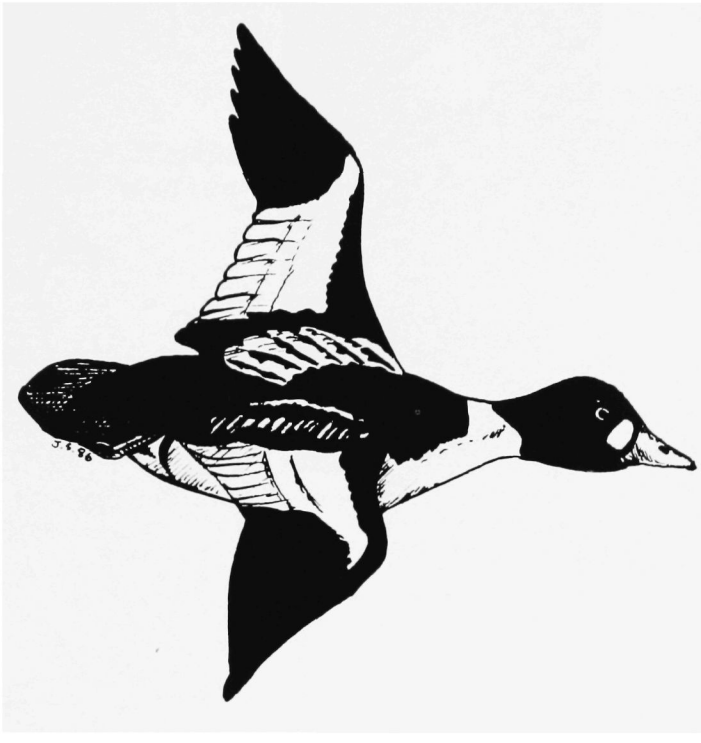


PATRICK W. BROWN
Assistant Professor of Wildlife Resources
B.S., Central Michigan University, Biology, 1974
M.S., Iowa State University, Wildlife Biology, 1977
Ph.D., University of Missouri, Wildlife Biology, 1981
Waterfowl Ecology

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

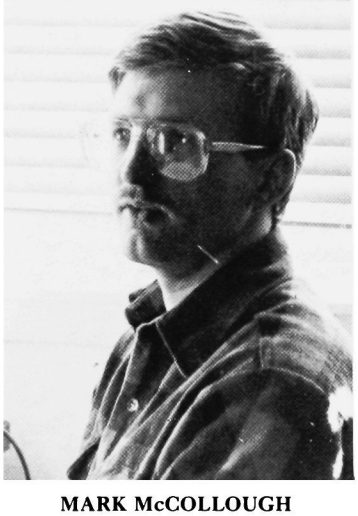


MALCOLM L. HUNTER
Associate Professor of Wildlife Resources
B.S., University of Maine,
Wildlife Science, 1974
D.Phil., Oxford University, Zoology, 1978
Wildlife Ecology



DENNIS G. JORDE
Instructor, Wildlife Department
B.S., University of North Dakota,
Biology, 1977
M.S., University of North Dakota,
Biology (Wildlife), 1981
Waterfowl

WILLIAM B. KROHN
Leader, Maine Cooperative Fish and Wildlife Research Unit
B.S., University of Alaska,
Wildlife Management, 1968
M.S., University of Maine, Wildlife Management, 1969
Ph.D., University of Idaho, Wildlife Science, 1977
Migratory Birds

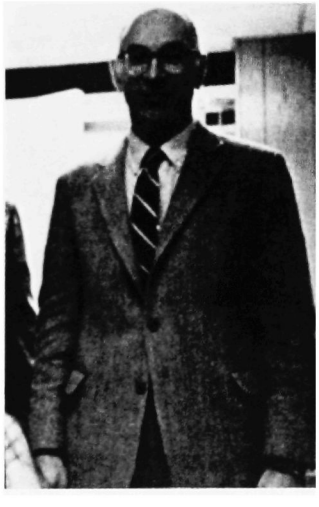


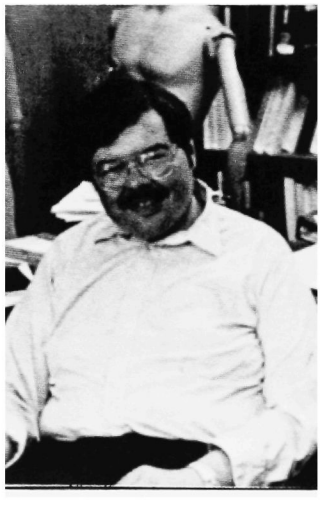
MARK McCOLLOUGH
Instructor, Wildlife Department
B.S., Penn State University
Forest Resources, 1979
M.S., University of Maine,
Wildlife Management, 1980
Ph.D., University of Maine, 1986
Nongame Wildlife Resources

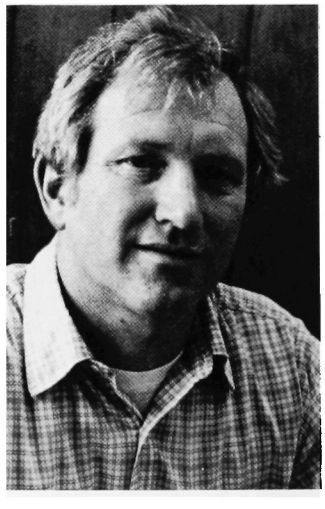
CHARLES J. SIMPSON
Forest Superintendent
B.S., University of Vermont, Forest Management, 1975
M.B.A. In Progress, University of Maine
Forest Management/Harvesting

DAVID S. SCHEIDT
Research Technician
B.S., University of Maine, Forest Management, 1985

Cooperative Extension Service

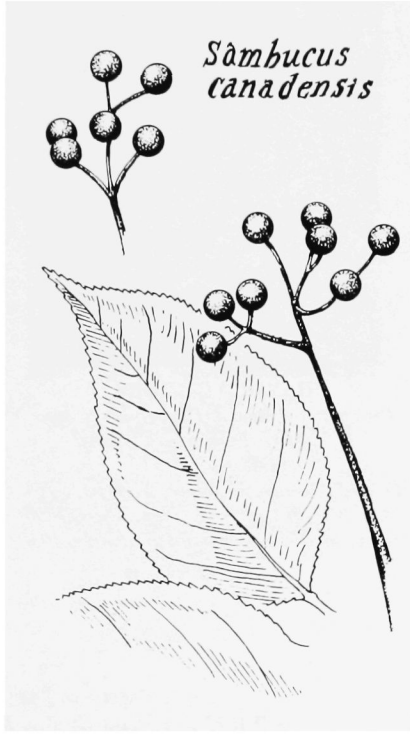


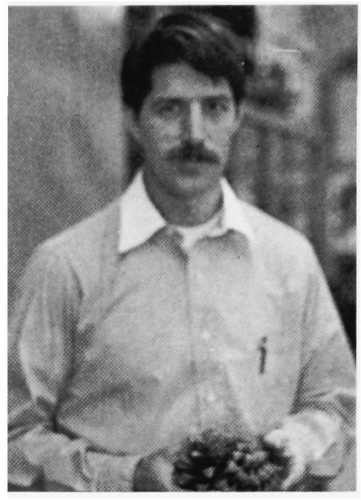




Cooperating Professors

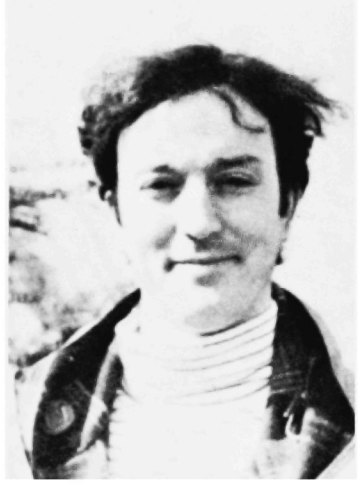
A. RANDALL ALFORD
Assistant Professor of Entomology; Cooperating Assistant Professor of Forest Resources
B.S., University of Southern Mississippi, Biology, 1974
M.S., Louisiana State University, Entomology, 1976
Ph.D., Louisiana State University, Entomology, 1980
Insect Physiology



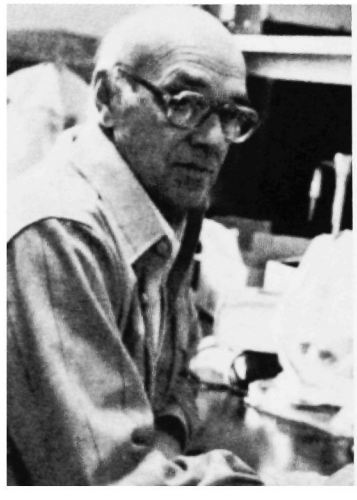


CHRISTOPHER CAMPBELL

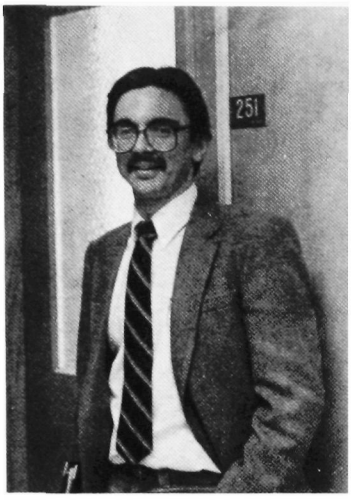
THOMAS E. CHRISTENSEN
Associate Professor of Agriculture & Forest Engineering Technology
B.S., University of Maine, Agricultural Engineering, 1971
M.S., University of Maine, Agricultural Engineering, 1973
Fluid Power and Forest Machinery



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
Cooperating 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



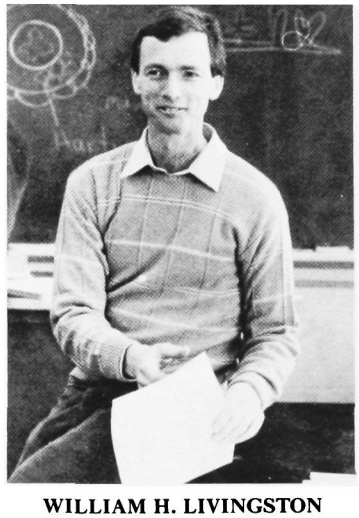
IVAN J. FERNANDEZ
Assistant Professor of Soil Science and Cooperating Assistant Professor of Forest Resources
B.A., Hartwick College, Plant Science, 1975
M.S., University of Maine, Plant and Soil Sciences, 1978
Ph.D., University of Maine, Forest Resources, 1981
Forest Soils

HAROLD C. GIBBS
Professor of Animal and Veterinary Sciences
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

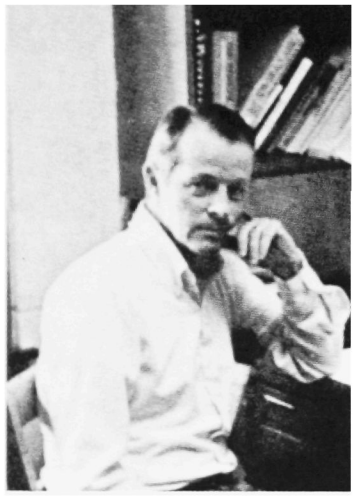
WARREN E. HEDSTROM
Associate Professor of Forest Engineering
B.S., University of Maine, Agricultural Engineering, 1961
M.S., Cornell University, Agricultural Engineering, 1969
Ph.D., Cornell University, Agricultural Engineering, 1970
Forest Roads

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

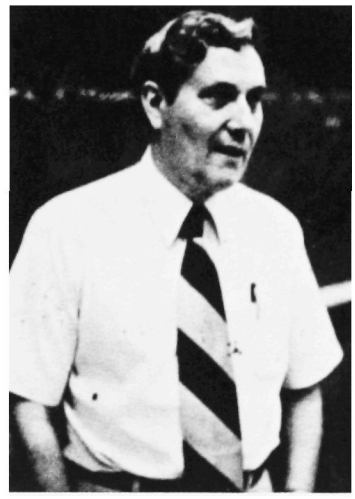


WILLIAM H. LIVINGSTON
Assistant Professor of Forest Pathology
B.S., Michigan Technological University, Forestry, 1976
M.S., University of Idaho, Forest Science, 1978
Ph.D., University of Minnesota, Plant Pathology, 1985
Forest Pathology

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



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
Chester F. Banasiak, Associate Professor Emeritus of Wildlife
Frank K. Beyer, Associate Professor Emeritus of Forestry
Lewis P. Bissell, Extension Forestry Specialist Emeritus
Richard J. Campana, Professor Emeritus of Forest Pathology
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, USFS
Patrick Corr, Maine Inland Fisheries and Wildlife Department
Hewlette S. Crawford, Research Wildlife Biologist, USFS
Robert M. Frank, Research Forester, USFS
David Grimble, Forest Entomologist
Lloyd C. Irland, State Planning Office
Jerry R. Longcore, Biologist, US Fish & Wildlife Service
George Matula, Maine Inland Fisheries and Wildlife Department
Sarah Redfield, Professor, Franklin Marshall Law School
Thomas B. Saviello, Research Forester, International Paper Co.
Lawrence Safford, Research Forester, USFS
Alex Shigo, Research Forester, USFS
James Sherburne, Maine Inland Fisheries and Wildlife Department
Dale S. Solomon, Research Forester, USFS
William Warner, Maine Department of Conservation

Nutting Newcomers

by Kate Piatek

Dennis Jorde, a Ph.D. candidate from Wildlife, while teaching senior level Wildlife Management last semester, used to say that "Your time is like money; you have to be careful how other people spend it," (after Jerry Longcore). However, how that has worked for the students, we didn't ask.

Dennis graduated from the University of North Dakota in 1977 and again, with an M.S., in 1981. Here, at UMO, he is studying the various aspects of wintering Black Ducks. He hopes to finish in June and is looking for positions with the Fish and Wildlife Service as a research scientist. His secondary choice would be teaching at a university; however, most of all, he would like to stay at UMO. His favorite quote is from P.S. Lovejoy: "The function of a politician is to take the people where he or she things they want to go, and the function of an ecological engineer (wildlifer or forester) is to take the people where they will be gald to be when they get there."

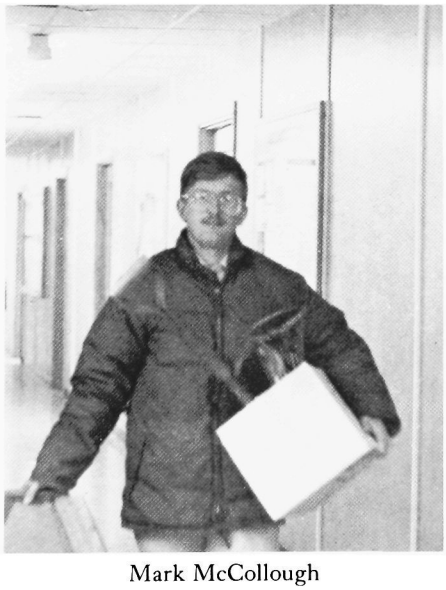
Mark McCollough has spent the last five years studying the maturation period in bald eagles, that is, the time between leaving its nest and returning five years later with white on its head and tail. Mark was primarily concerned with their travel routes and final destinations as well as modes of death. He taught Ecology last semester and now is finishing his dissertation.

After receiving his undergraduate degree at Penn State University, Mark came to UMO as a graduate student and received his master's in 1981. He is looking at job opportunities with Maine Inland Fisheries and Wildlife, the non-game program, to further pursue his interests in bald eagles and other endangered species.

"How long is this going to take?" was Dr. Krohn's first question. Then he placed himself comfortably behind his desk and started with the list of his accomplishments.

Dr. Krohn is the leader of the Maine Cooperative Fish and Wildlife Research Unit based at UMO. He is originally from New Jersey, but in pursuit of his education he travelled to the University of Alaska, where in 1967 he received his B.S. degree; UMO, where he investigated the summer behavior of woodcock and received a M.S. degree in 1969; and the University of Idaho, where he studied the population ecology of Western Canada geese and received his Ph.D. in 1974. Some of his experiences include research biologist for the U.S. Fish and Wildlife Service and the assistant chief in the FWS's Office of Migratory Bird Management in Washington, D.C. He returned to Maine last September. "I believe I can bring a broader perspective to wildlife than [someone with] a more traditional approach," he says.

Dr. Krohn's research interests include migratory game birds, methodologies for evaluation of wildlife habitats and integration of wildlife management into land management practices. He expects to work primarily with graduate students and extract from their projects the answers to fish and wildlife problems—the CFWRU's main concern. He will also teach a new course at UMO, Evaluation of Wildlife Habitat, starting next fall.



Mark McCollough

Dennis Jorde

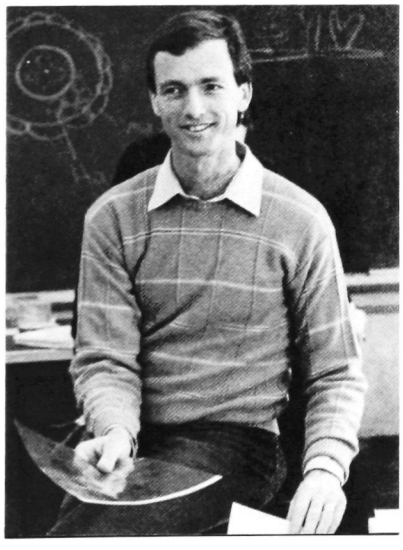
"Always be willing to question what it is that is being taught," is the motto of Dr. Bill Livingston, a new faculty member of Botany and Plant Pathology. He teaches Forest Pathology and would like to establish a new, 500-level advanced pathology course.

Dr. Livingston received his B.S. from Michigan State University in 1976 and went on to the University of Idaho to work on root diseases and bark beetles in Grand fir where he received his master's in 1978. During his dissertation work at the University of Minnesota, he received a Fulbright scholarship to study in Germany. There, he studied root diseases of declining Norway spruce and toured the country in his spare time.

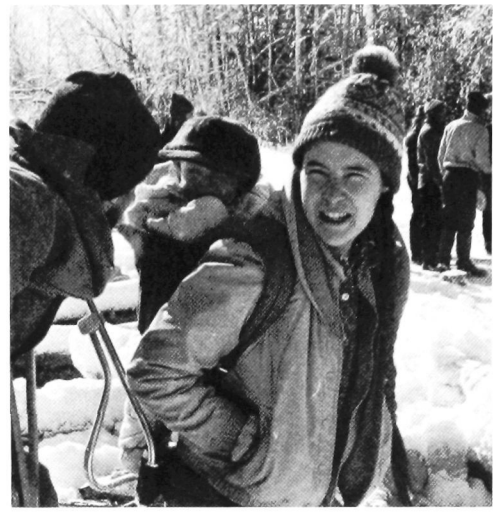
On one of his trips, wearing a University of Minnesota T-shirt, he was approached by a German who had visited Chicago. Later, he was introduced by his German friend to his present wife, Ulrika, who is also at UMO and is a secretary at the Admissions Office.

Upon the return from Germany, he resumed his study of plant substances in relation to physiology and control of eastern dwarf mistletoe in Minnesota and received his Ph.D. in 1985.

With Marshall Ashly gone to Haiti, Lawrence Gering, a recent Ph.D. from the University of Georgia, fills in the faculty position, alas temporarily. Dr. Gering received his B.S. from UMO in 1979 and his M.S. from Clemson University, SC, in 1982. "I spent four years sitting in the last row of 100 Nutting trying to be little noticed and obscured, and I never dreamed that I'd be back here as a professor. But I enjoy being back; it's like coming home," he says. Dr. Gering teaches Remote Sensing. He believes in "hands-on" experience in the lab, although "using outdated equipment when it's available."



Bill Livingston



Jody Jellison

The last plate of enzyme assay done for the day, Jody Jellison pushes the return key of the personal computer to scan the optical density of the solution which is an indirect measure of the fungal antigen present in the samples. The numbers don't appear on the screen. "This program was written by a friend," Jody explains, "and it doesn't catch sometimes."

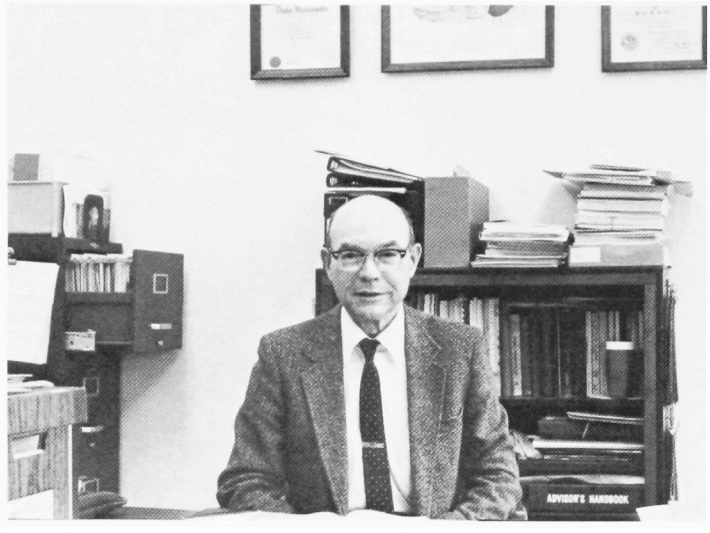
Jody Jellison is an assistant research professor in Forest Biology working on the chemistry of wood decay fungi, a joint project with Barry Goodell. By adapting medical techniques in her work, she hopes to be able to quantify the amount of decay fungi to better detect incipient decay.

Jody received her B.S. from the University of New Hampshire and M.S. from Oregon State, both in Botany and Plant Pathology. For her dissertation, she worked with lentils at Oregon State and received her Ph.D. in Plant Virology. During both the M.S. and Ph.D., she minored in Biochemistry and Biophysics. A postdoctoral position took her to Harvard's Department of Cellular and Developmental Biology where she investigated the molecular basis of disease resistance.

At UMO, her position doesn't include any teaching, and her contact with students is limited to a few work-study undergraduates. Her plans for the future include obtaining more funds and taking on a graduate student.

"Good luck is so elusive," she refers to her present study, "but today everything seemed to go OK."

DR. GRIFFIN



Dr. Ralph Griffin was born in Roanoke, Virginia and received a B.S. in Conservation and Forestry from Virginia Polytechnic Institute in 1943. He entered the United States Army as a Lieutenant and after World War II resumed his education at Yale University where he received a M.F. in 1947. He was employed from 1947 to 1951 as a forester with the Virginia Forest Service and from 1953 to 1956 as a professor of forestry at the Agricultural and Technical College of North Carolina. Dr. Griffin earned his D.F. at Duke University in 1956, the same year he started teaching at the College of Forest Resources, University of Maine at Orono.

Dr. Griffin has contributed greatly to the advancement of forestry through his interest and activities in the ecology and silvicultural management of forest types in the Northeast, especially with natural regeneration of mature forest stands and the relationship of growth to measurable stand and site variables. He has demonstrated a thorough knowledge and understanding of forestry throughout his career. His dedication to the field and his students is well known. As a professor, Dr. Griffin has impressed upon his students the many skills and qualities necessary to be a successful forester. A few of these are: 1) the need for close observation and attention to detail; 2) firm grounding in the fundamentals of biological sciences and their application; 3) continual growth in professional studies after graduation; 4) a diversity and range of knowledge; and most importantly 5) the ability to work in all types of weather conditions.

Throughout Nutting Hall, Dr. Griffin is known for his soft spoken manner that is gently spiced with a witty sense of humor. He is always genuinely courteous and respectful to both students and faculty. All of us at the College of Forest Resources would like to wish Dr. Ralph Griffin a fond farewell.

QUOTES FROM THE MAN WHO MADE SILVICS & SILVICULTURE LEGENDARY

"There are only two things you have to do, come to Silvics and die!"

"There may be a lot of red marks on your test, but that's so I can stay awake."

"I know it's boring, but that's besides the point."

"I must hand it to the girls; they are neat. The answer may be wrong, but they are neat."

"We don't bother those dominants . . otherwise we do not have a stand."

"For the sake of uniformity, let's carry out the decimal to the fourth place. This way, for the fourth number we will all have either a zero or some other number for that last number."

Talking about a man with a German accent: "I can't see how anyone living in the same place for 20 years can still have an accent."

"Now I don't pick Loblolly Pine because it's a southern tree. . . "

"How long do you think we should wait here? . . . The clock ain't going no place . . . Well, I can depend on my trusty watch—so long as I remember to wind it! . . . Anybody out there know a good joke?"

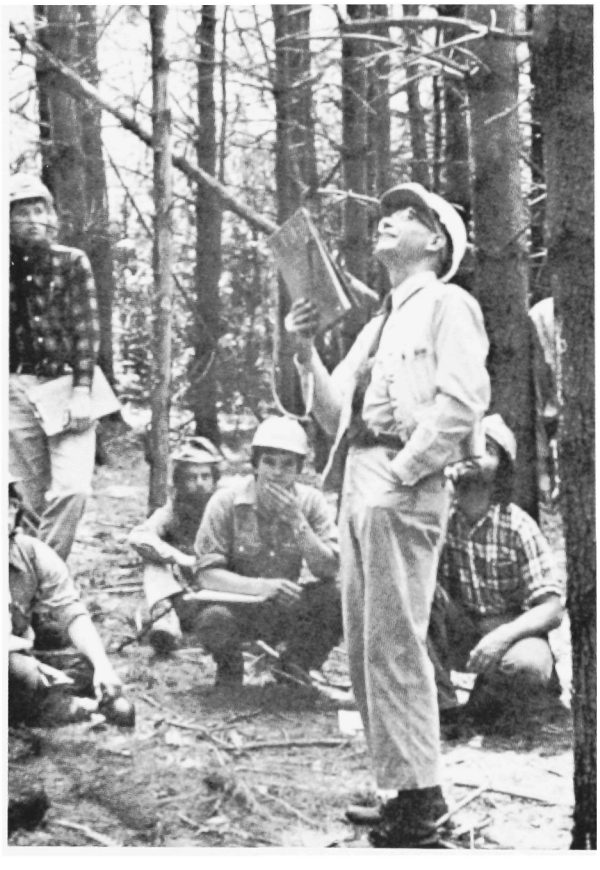
"It may be possible to add to this list, but I doubt it—it's quite impressive."

"If you don't like your grade, you can just scratch it out and put your own grade on it."

"About the only thing we can enjoy in this world is our work."

"Mark those trees like you're proud of it so that you can show everyone what a good job you've done."

"This was very common when I first came to Maine—which wasn't very long ago . . . in Geologic time, that is."

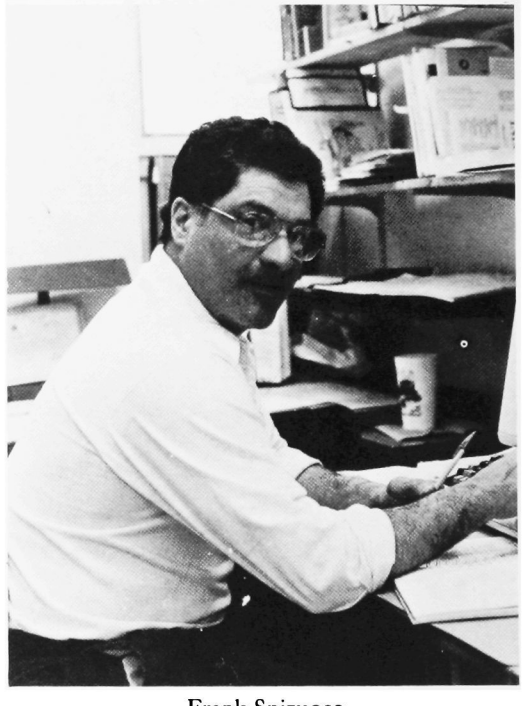


Support Staff

Mary Viik, Jobie Carlisle, Sue Serreze

Keith Paschal

Peggy Smart



Frank Spizuoco