
The Maine
Forester
1970

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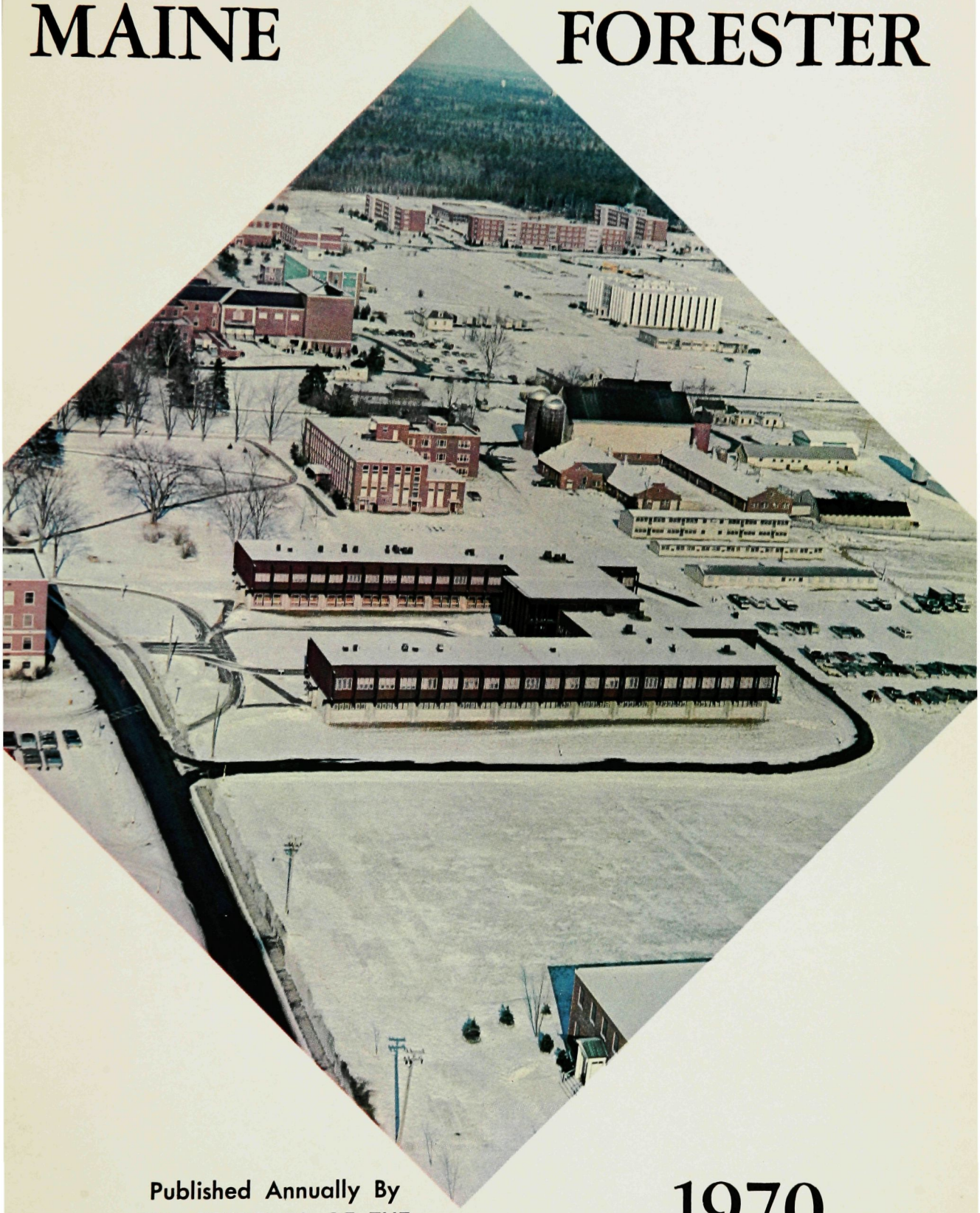

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SCHOOL OF FOREST RESOURCES
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1970

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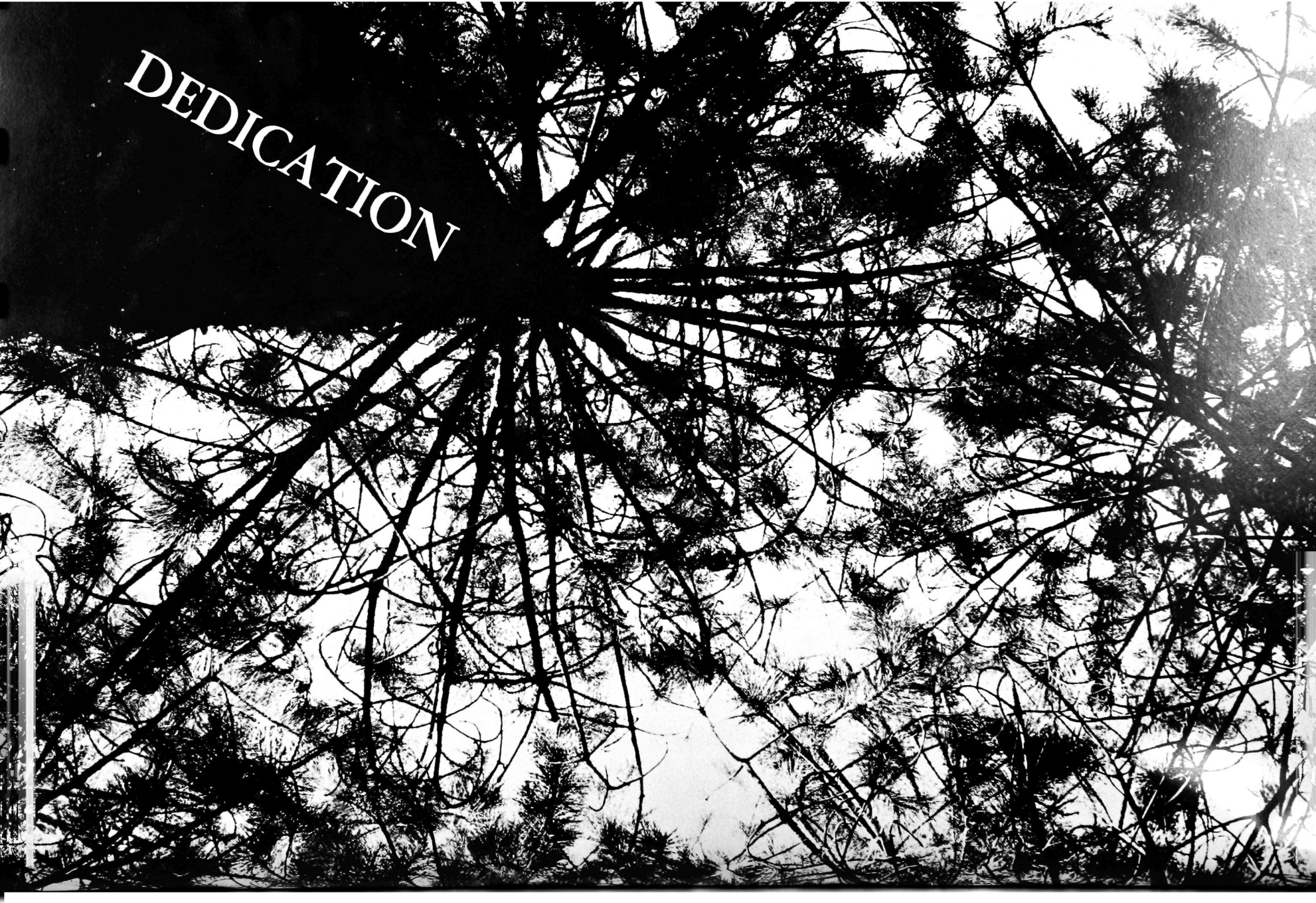
DEDICATION

DR. RALPH GRIFFIN

We, the Class of 1970, dedicate this issue of *The Maine Forester* to a professor who has shown dedication to his students and to the forestry profession. The memory of his endless paths of detail and the specific expressions of fact will always remain with us as we seek our goals after graduating from the School of Forest Resources.

We take great pride and honor in dedicating the 1970 *Maine Forester* to Dr. Ralph Griffin.

Dr. Griffin is a professor of Forest Resources and teaches five courses—Silvics, Silviculture, Silviculture Trip, Regional Silviculture, and Forest Influences. The Class of 1970 first met Dr. Griffin in his Silvics class during the fall semester of 1968. In this class we learned what a forest stand is composed of and the related influences affecting the forest types across the United States. Our education continued with Dr. Griffin into the spring semester of 1969 while many of us were enrolled in Silviculture. Here we applied our knowledge of Silvics and Silviculture to the actual management of a plot of forested land. The Class of 1970 is grateful that the School of Forest Resources has such a dynamic professor as Dr. Ralph Griffin.

Besides being very active in the School of Forest Resources, Dr. Griffin is also a member of many Professional and Honorary Societies. These include the Society of American Foresters, Ecological Society of America, American Forestry Association, American Association for the Advancement of Science, Sigma Xi, Xi Sigma Pi. Dr. Griffin has also received many Honors and Awards which include: Member, Silviculture Committee, N.E. Section, S.A.F., 1959-1962; Associate Director, Junior Foresters' Institute, University of Maine, 1966, 1968 and 1970; Secretary-Treasurer, N.E. Section-S.A.F., 1968; Vice Chairman, N.E. Section of the S.A.F., 1969; Chairman, N.E. Section of the S.A.F.; 1970.

We the Class of 1970 respectfully dedicate this issue of *The Maine Forester* to you, Dr. Griffin.

THE DIRECTOR'S MESSAGE

The School of Forest Resources 1903 – 1970

By DIRECTOR A. D. NUTTING

The School continues to grow like most educational units. A major challenge to the School is how to grow without losing such values as close relationships between students and faculty that are extremely important to retain in education and especially so in a professional school. The faculty recognizes the problem and have a number of programs designed to maintain such relationships. This will be illustrated as activities are reviewed.

The largest freshman class in the School's history was enrolled in the fall of 1969. For several years freshman numbers have been kept at about 70 by limitation of enrollment. This year it was increased to 100 for Baccalaureate degree students and at the same time the 2-year technician enrollment was increased from 25 to 35. A significant fact about numbers is that those interested in the wildlife curriculum have increased from about 30 percent to 50 percent of the enrollment. Another is the increased number of women students. Increased enrollment means major increases and problems in class laboratory numbers and later in those seeking employment opportunities. Expected enrollment for the fall of 1970 is 120 freshmen. These students will be chosen from 500 applicants to the School's program. Traditionally the School's enrollment has been 50 to 60 percent out-of-state students while University-wide enrollment has been held to 20 percent from outside the state. A factor that may change final fall enrollment is an increase of $350 per year for out-of-state tuition, making the yearly tuition cost $1350.

The trend toward more students desiring to take advanced work continues at Maine as it does over the country. McIntire/Stennis, public agencies and industry have provided additional funds, but more are needed for assistantships.

Following are the student enrollments at the beginning of the fall semester:

4 year Program		Associate 2-year Program	
Freshman	100	First Year	36
Sophomore	51	Second Year	27
Juniors	50		
Seniors	63	Graduate Students	
Transfers	30	Forestry	16
Specials	2	Wildlife	9

The total enrollment at the beginning of the second semester was:

Undergraduates	331	Graduate Students	23

The School was fortunate to have all staff members return this year.

Dr. Craig Shuler with his Ph.D. from Colorado State joined the faculty in September as Assistant Professor of Wood Technology. Dr. Harold Young returned, after a year's leave, from work in Australia. Dr. Thomas Corcoran is on a Fulbright grant in Finland studying forest tranportation systems. The School has been fortunate to have Professor Emeritus Gregory Baker on a half-time basis. Professor Emeritus Fay Hyland has an office in the building and is teaching a botany course for the 2-year management students. He also assists Dr. Kutscha in research.

Dr. Ashley will direct the 6-week summer camp at Princeton, Maine for B.S. degree students this coming summer. He will be assisted by faculty and graduate students. The wildlifers will have a field trip in place of their usual week at Princeton, preceding regular summer camp. Drs. Owen and Schemnitz will handle wildlife courses during summer camp. The School is still hoping for faculty houses and new dormitories at Princeton.

A Junior Foresters' Institute is planned for the coming summer (1970) under the direction of Dr. Griffin. It will be for two weeks, July 19 to August 1, with one week on Campus and one at Princeton. Student enrollment cost is $125. The Pulp & Paper Foundation is providing $2500. in order to lessen costs to students. Scientists of Tomorrow with headquarters in Portland, Oregon are the sponsors of the program. It is planned on the basis of 80 students.

Advising students is of increased importance with more options to choose from in the School and added University course possibilities. This causes student questions about curriculums, courses, and possible employment after completion of programs. An open door is the policy of the School to students with questions. This means that every student should feel free to ask his advisor, the Director, or any staff member questions about his program or the arrangement of his course schedule. The School policy is to encourage students to seek faculty suggestions and to make advising a major faculty responsibility.

Curriculum and course improvement reviews have top priorities in the School's planning. Several staff meetings are held during the year for this purpose.

A Student-Faculty Advisor Curriculum Committee of 5 students and 5 faculty members was chosen at the beginning of the year. They have discussed a number of subjects including summer camp, mathematics, and computer program requirements with the intention of making recommendations to the School faculty. The committee meetings are open to any student or staff member who desires to attend.

The faculty are considering adding sequences or options in Forest Recreation and Conservation Education. Several new courses have been added during the past year—Fy-22, Bio-characteristics of Game Birds and Animals; Fy-157, Forest-Water Relationships; Fy-228, Advanced Wildlife Ecology; Fy-254, Forest Recreation Planning.

University students are planning an Environmental-Teach-In during a two-week period in April. The student Forestry and Wildlife Clubs of the School are sponsors and have an active part in planning the program. Former Secretary Stuart Udall is to be the featured speaker. The School is pleased that its student organizations are participating to help make the Environment Days program a success.

A very active group allied to the School is the Wives' Club. They have monthly meetings and have provided student scholarships. They made a major contribution of $800. to the Undergraduate Reading Room for books.

Xi Sigma Pi, the School's honor fraternity, combined with the Forestry Club, had a successful Christmas Tree sale this year to provide money for the School's Annual Honors Banquet to be held in April and to support the Woodsmen's Field Day. The fraternity also sponsored a get-acquainted night for faculty, graduate students, and the higher academic students in the junior class.

The Woodsmen's Team, supported by the Forestry Club, is sponsoring the Northeastern Woodsmen's Week-End on the University campus

this spring. The team has been very successful in competition in recent years.

The School Alumni Association with Professor Emeritus Ashman as President, J. William Peppard, Vice President, and Professor Edwin Giddings as Secretary/Treasurer, keep alumni informed about the School through a Newsletter and alumni breakfasts at both Forestry and Wildlife Society meetings. Dues are $2.00 per year.

The School's proposal for a Ph.D. program in Forest Resources has been approved by all required committees, the graduate faculty and President Libby, and has been forwarded by him to the University Chancellor for his and the Trustee's approval. Hopefully, the School will be enrolling students for the Ph.D. program in the fall of 1970.

In order to encourage students through scholarships and awards, the School has establish a committee to make recommendations on methods of making awards. They nominate persons for scholarships and awards for faculty decisions. New awards should be available next year from the Harold Worthen and L. J. Freedman Funds. A $300 Summer Camp Award has been provided by an anonymous donor for wildlife students.

The School's first 2-year forest management group will receive associate degrees in June. Although the 2-year program uses school laboratories and the University Forest, their courses and staff are completely separated from the B.S. degree programs.

New facilities and equipment with added faculty, obtained in the past two years, have been used to broaden teaching and research. This has made it possible to improve both undergraduate and graduate programs. They have also provided the incentive to greatly increase the research and extension efforts of the School.

Over twenty groups met at the School last year for special instructions and short courses . . . an all-time record for the School. Seven Visiting Scientists came to the School during the year to give lectures and meet with students and faculty.

The School staff is proud of the many research articles written last year by the faculty and graduate students.

The School's major concern continues to be to provide excellent professional training for foresters and wildlifers. Well-trained people will best meet the challenge of the times to maintain high quality environment.

Acknowledgments

We wish to thank those timberland owners and private industries whose generous contributions have made this edition possible.

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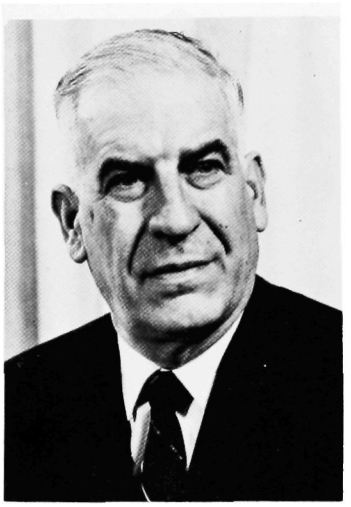
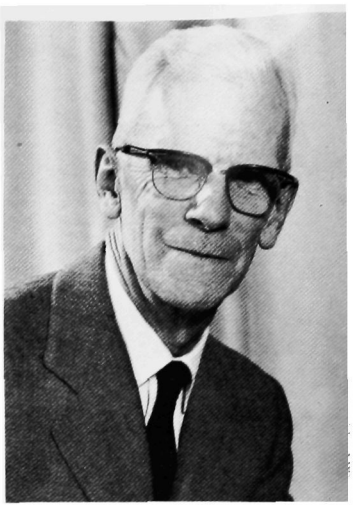
THE FACULTY

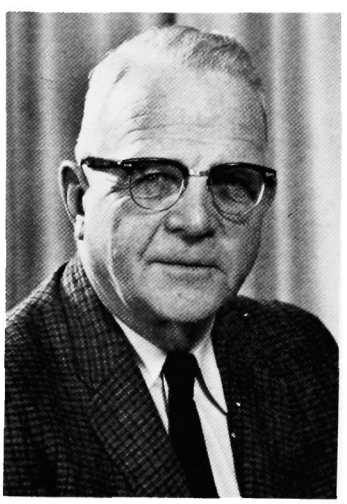


Director A. D. Nutting
School of Forest Resources
B.S., Maine, 1927
Senior Seminar

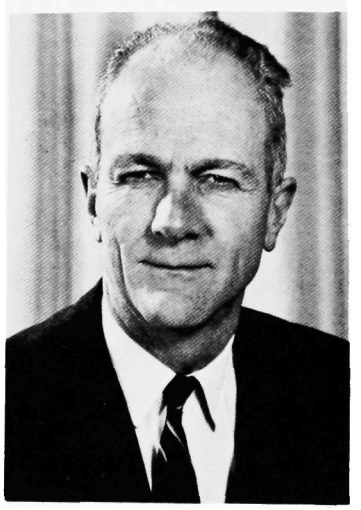
Thomas J. Corcoran
Prof. of Forest Economics
Assoc. Director of
Forestry and Forest Products
B.S., Mich. College of
Mining and Technology
M.S., Purdue, 1960
Ph.D., Purdue, 1962
On sabbitical leave
University of Helsinki
Helsinki, Finland



Gregory Baker
Prof. of Wood Technology
B.S., Maine, 1924
M.F., Yale, 1939
Wood Technology

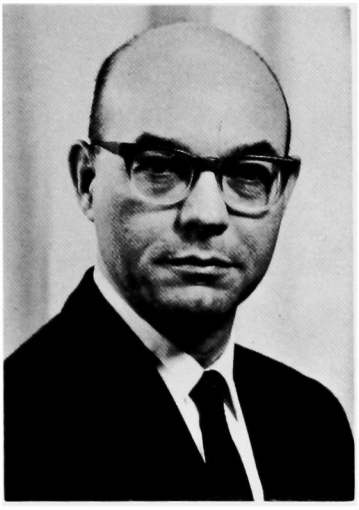


Henry A. Plummer
Assoc. Prof. of Forestry
B.S., Maine, 1930
M.F., Yale, 1950
Introduction to Forestry,
Forest Planting,
Forest Harvesting,
Utilization Trip



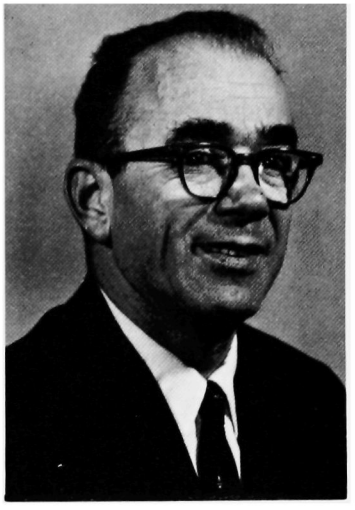
Arthur G. Randall
Assoc. Prof. of Forestry
B.S., Yale, 1933
M.F., Yale, 1934
Chairman—Two-Year Program
Introduction to Forest Technology,
Applied Silviculture,
Forest Land Management,
Forest Protection,
Seminar,
Summer Camp,
Range Management,
Forest Fire Control

Fay Hyland
B.S., Michigan State, 1925
M.S., Maine, 1929
Sc.D., 1965
Two Year Program



Ralph H. Griffin
Prof. of Forestry
B.S., Virginia Polytechnic Institute, 1943
M.F., Yale, 1947
D.F., Duke, 1956
Silvics,
Silviculture,
Silviculture Trip,
Regional Silviculture,
Forest Influences

Charles E. Shomaker
Assoc. Prof. of Forestry
B.S., Penn. State Univ., 1950
M.F., Penn. State Univ., 1954
Ph.D., Mich. State Univ., 1962
Forest Hydrology and Watershed Management
Forest-Water Relationships



Harold E. Young
Prof. of Forestry
B.S., Maine, 1937
M.F., Duke, 1946
Ph.D., Duke, 1948
Forest Inventory and Growth,
Advanced Forest Mensuration

Roger F. Taylor
Superintendent of Univ. Forest
Univ. of Mass.

Wallace C. Robbins
Instructor in Forestry
B.S., Maine, 1954
M.S., Univ. of N. Brunswick, 1956
Aerial Photo Interpretation,
Forest Measurements,
Wood Product Utilization

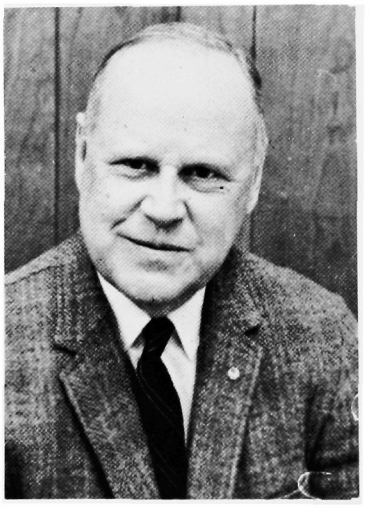
James E. Shottafer
Assoc. Prof. of Wood Technology
B.S., State Univ. of N. Y., 1954
M.S., State Univ. of N.Y. and Syracuse, 1956
Ph.D., Michigan State Univ., 1964
Analysis in Forest Utilization,
Wood Technology II,
Research Methods in Forest Utilization

Richard Hale
Assist. Prof. of Wood Technology
B.S., Maine, 1949
M.F., Yale, 1950
Primary Wood Processing,
Wood Preservation

Lewis P. Bissell
Forestry Specialist
Coop. Extension Service
B.S., New Hampshire, 1940
M.F., Yale, 1947

Norman Kutscha
Assist. Prof. of Wood Technology
B.S., College of Forestry
Syracuse, 1959
M.S., Univ. of Wisconsin, 1961
Ph.D., College of Forestry
Syracuse, 1967
Wood Technology,
Wood Anatomy

James C. Whittaker
Assist. Prof. of Forestry
B.S., Purdue Univ., 1958
M.S., Purdue Univ., 1960
Ph.D., Ohio State Univ., 1965
Forest Recreation
Forest Policy and
Administration
Forest Economics



Edwin L. Giddings
Associate Prof. of Forestry
B.S., Univ. of Maine, 1933
M.F., Yale, 1934
Introduction to Forest
Resources,
Timber Management and
Valuation

Donald Wilson
Instructor in Forestry
B.S., Maine, 1965
M.S., New Hampshire, 1967
Introduction to Forest
Resources,
Forest Mensuration

Marshall Ashley
Assist. Prof. of Forestry
B.S., Maine, 1965
M.S., Purdue Univ., 1966
Ph.D., Purdue Univ., 1969
Introduction to Forest Resources,
Forest Sampling Methods,
Forest Mensuration,
Forest Photogrammetry

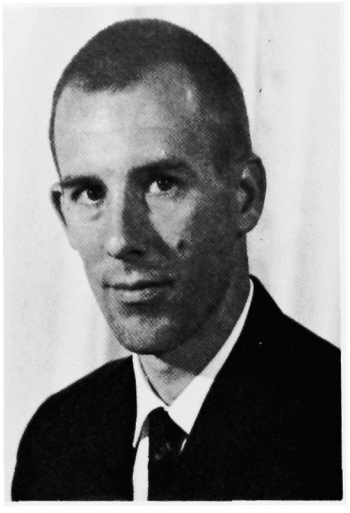
Craig Shuler
Assist. Prof. of Wood Technology
B.S., Colorado State, 1960
M.S., Colorado State, 1966
Ph.D., Colorado State, 1969
Wood Technology

John Diamond
Associate Dean—College Life Sciences and Agric.
B.S., Rhode Island, 1951
M.S., Rhode Island, 1953
Ph.D., Ohio State Univ., 1957

Howard L. Mendall
Prof. of W. L. Mgt.
Leader, Coop. W. L. Research Unit
B.A., Maine, 1931
M.A., Maine, 1934
Graduate Seminar

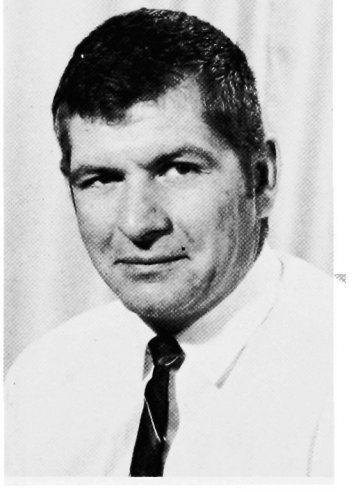
Malcolm W. Coulter
Prof. of Game Mgt.
Associate Director of Wildlife
Assist. Leader, Maine Coop. W. L. Research Unit
B.S., Connecticut, 1942
M.S., Maine, 1948
Ph.D., Syracuse, 1966
Wildlife Ecology,
Conservation of Our Natural Resources Biological Characteristics of Game Birds and Mammals, Senior Seminar,
Graduate Seminar

Sanford D. Schemnitz
Assoc. Prof. of W. L. Mgt.
B.S., Univ. of Mich., 1952
M.S., Univ. of Florida, 1953
Ph.D., Oklahoma State Univ., 1958
Introduction to Forest Resources,
Wildlife Ecology Camp,
Biological Characteristics Of Game Birds and Mammals,
Game Biology



Ray Owen
Assist. Prof. of Wildlife
A.B., Bowdoin, 1959
M.S., Univ. of Illinois, 1966
Ph.D., Univ. of Illinois, 1968
Wildlife Ecology Camp,
Wildlife Ecology,
Biological Characteristics
Of Game Birds and
Mammals,
Advanced Wildlife Ecology,
Graduate Seminar

Voit Richens
Assist. Prof. of Wildlife
B.S., Wash. State Univ., 1957
Post B.S., Oregon State, 1958
M.S., Utah State Univ., 1961
Ph.D., Utah State Univ., 1967
Game Management,
Graduate Seminar



Fredrick Gilbert
Assist. Prof. of Wildlife
B.Sc., Acadia Univ., 1965
M.Sc., Univ. of Guelph, 1966
Ph.D., Univ. of Guelph, 1968
Graduate Seminar

Sandra Stolt
B.A., Maine, 1969
Research Associate

Mrs. Soulvie

Miss Dyer

Miss Horn

Miss Gifford

Mrs. Cleale


GRADUATE
STUDENTS