The Maine Forester 1977

Published Annually By
THE STUDENTS OF THE
SCHOOL OF FOREST RESOURCES
UNIVERSITY OF MAINE
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THE MAINE FORESTER

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THE STUDENTS OF THE
SCHOOL OF FOREST RESOURCES
UNIVERSITY OF MAINE
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IN MEMORIAM

James Curtiss Whittaker
1936-1976
To the memory of Dr. James C. Whittaker: who received his B.S. and M.S. at Purdue University and his Doctorate of Philosophy from Ohio State University. Prior to settling in Maine in 1968, at which time he joined the faculty at the school, Dr. Whittaker served as a scientist with the U.S. Forest Service at Columbus, Ohio; Berea, Kentucky; and Syracuse, N.Y. While at Syracuse he also served as a joint faculty member within the State University College of Forestry at Syracuse. During his years at Maine, Dr. Whittaker was a member or officer in many organizations. He will long be remembered for his participation in the Society of American Foresters, The American Forestry Association, the Appalachian Mountain Club, the Maine Snowmobile Association, Sigma Xi, Xi Sigma Pi, and the Forestry Club. It is due to this dedication to his profession, other faculty, and students that he will be sincerely missed by all who knew him.

If one gives of himself surely this represents a generosity beyond the giving of what one has. The sharing of oneself is the ultimate of gifts. Jim Whittaker was a person who by his very nature was generous with what he had to share. More importantly, however, was the way he shared himself with those around him. While his teaching and research responsibilities demanded heavily of his time and energy resources, Jim was emblematic of a near perfect human mechanism seemingly to create time and energy where there was none to be had and at no cost to the system save his own physiological processes. This extraordinary time and energy was himself and he shared it willingly. Always giving of himself to a student or a colleague, to an acquaintance or a friend, to a relative or a nobody without seemingly to make any distinction and always in abundance above normal expectations. He counseled and consoled. He advised and directed. He offered serious thought and fun merriment. He could be deeply profound and yet thoughtfully superficial. He could criticize and yet build confidence. He would expound and when purposeful be silent. All this he shared as much, as often, and in a way as there was need. And that need he most assuredly could recognize whenever, wherever and in whomever it presented itself.

The memory of Dr. James C. Whittaker is that of a teacher, an advisor, a researcher, a professional, and a friend. He had a sincere interest in his students. As a teacher and advisor he made himself available to students for guidance in both their course work and in their college programs. He would go out of his way to make time to see his students. As a researcher he made contributions to forestry in the fields of recreation and economics. He was dedicated to the forestry profession. While serving as the Chairman of the Maine Chapter of the Society of American Foresters, the Chapter did much to advance the Forestry profession in the state of Maine. As a friend, Jim was genial, honest, patient, and dependable. He was fun to be around and to work with.

It is always painful to lose friends. It is even more painful when this loss crosses both personal and professional lines. The death of Jim Whittaker was such a loss. I am sure that each person who knew him remembers something a little different. I was most impressed by his good humor, his professional competency, and his willingness to give you his time. His knack for getting right to the heart of a problem was a welcome contribution in all his activities. He was certainly someone I went to for both good advice and a good time. I am sure that the School of Forest Resources is a better place for his having been a part of it.

Jim Whittaker was a professional forester, a zealous teacher, and a dedicated researcher. His personality was marked with kindness, gentleness, and unpretentiousness. These qualities and his deep loyalty to students, colleagues, and the School of Forest Resources won the respect and admiration of all who were privileged to know him.
Ed's many duties and services to the School are well known and recorded. It might well be said that this is what he was paid to do but his concern for others and for the job to be done frequently took him well beyond duty. His warm personality and sound judgement are qualities which will make him missed in the School. One can only wish the retirement years will be happy and rewarding for him and Mary Lou, his wife.

G. Baker
Feb. 8, 1977

I am sorry to hear that the time has arrived that Professor Giddings must retire from an active role in the School of Forest Resources. His background of experience as a forester with the U.S. Forest Service and with Forest Industry has provided students with information that few persons are able to give them.

Professor Giddings has always had high standards of personal achievement and conduct as an under-graduate student, public forester, industrial forester, and University Faculty member. With this background he has provided students with an excellent example of what a forester can and should be: a person with a good theoretical and practical knowledge of forestland management.

His pleasant smile as an administrator, his knowledge, and his ability to teach others from his experiences will be missed by students, other faculty members, and school Alumni.

As an emeritus Professor he will continue to contribute his abilities to the school and the forestry profession. I am glad to have had a part in his rejoining the School Faculty and along with others wish him and Mary Lou many good years ahead.

A.D. Nutting
Feb. 8, 1977

"POP GIDDINGS"
Professor E.L. Giddings is retiring on June 30, 1977 after a long and varied career. He was born in Hartford, Connecticut, graduated in forestry from the University of Maine in 1933 and completed a Master of Forestry degree at Yale in 1934. Professor Giddings was a forester in the Southern Region, U.S. Forest Service from 1934-42; from 1942-46 he served in the United States Navy in Air Combat Intelligence. His first assignment at the University was in 1946. He left his position as Assistant Professor to work as Chief Forester for the Penobscot Chemical Fibre Company of Old Town where he served as Chief Forester, Woodlands Manager and Vice President for a total of twenty years. In 1968 he returned to the University as Associate Professor; he has been Acting Director of the School (1971-72) and since 1972 has been Assistant to the Director. He and his family have been residents of Orono since 1946. He and his wife Mary Louise have been active in University and local activities for many years. They have both given much of their own time and energy for the benefit of the students of the School of Forest Resources.

It is impossible to express in a few words my great respect and affection for Professor Giddings. He and Mary Lou were the two individuals who welcomed my wife and me with full support and assistance when such was most required. Such support was offered with complete honesty and without expectation of repayment. He has become a close friend and a colleague that I will not replace. Such is the way of life and I can only say thanks and God Bless both of them.

Most of us can feel reasonably content if we find we are able to function well in a single vocation during our lives. Thus far, Ed Giddings has served as vice-president of a large company, gained an enviable reputation as a professional forester, found success as a professor and academic administrator, and somewhere in the middle of it all, had a shot at being a naval officer.

Ed's unfailing consideration to his colleagues and his patience and kindness to the students who have had the good fortune to work with him, provide an interesting contrast to many who may be observed swinging from limb to limb through the upper branches of the "groves of academia". Those of us who have worked with Ed over the years, as he has coped with problems of a professional, personal and administrative nature with constant good humor, perhaps better understand the famous author who defined courage as grace under pressure.

For the past nine years, the School of Forest Resources has been most fortunate in having Ed Giddings on its staff. Having spent eight years with the U.S. Forest Service and some twenty years with a private forest industry, Ed has been able to impart with authority both the theoretical and practical aspects of forest management to students in his courses. Dedication of The 1972 Maine Forester to Prof. Giddings is indicative of the high esteem held for him by the students. His retirement this year will leave a vacancy on the School's staff that will be difficult to fill.

Professor Giddings is a man who is always as helpful as he can be, both administratively and educationally. His acute sense of practicality was especially refreshing in the classroom and his ability to open doors was always relieving. His many experiences in the public, private and educational sectors of our society and his many insights to life and to his profession added a real dimension to Nutting Hall. His dedication to Forestry and to the students of the School of Forest Resources will always be remembered by those of us who had contact with him. We wish him a good and long life in his retirement, for he has earned it!

At the end of the school year the seniors traditionally apply for new jobs. This year another "senior", Ed Giddings, is applying for a new position — that of "retired." If I were evaluating his application, I would have to rate him as "unqualified." It is apparent from his many years of conscientious service and dedication that he has no training in retirement. This is further evidenced by his availability to students and faculty, the good humor with which he conducted his tasks, and the superb blend of theoretical knowledge and real experience he brought to the classroom. I would selfishly like to keep him in the School but must agree that his retirement is well deserved. We will miss him.
Comments by the Director

It is always a pleasure to write a few words to the students in the School of Forest Resources. In these few moments I may be able to express some of my affection for all of you and to comment briefly on some of the things which stand-out from 1976. The many student leaders in the School should be mentioned first. They have made my job easier and we can applaud all of them for their efforts. These include representatives of six different groups; our three student clubs, the Wildlife Society, the Forestry Club, and the Forest Technology Club; the School’s Chapter of the National Honorary, Xi Sigma Pi; and the two competitive teams, the Woodsmen’s teams (both men and women) and the Wildlife conclave team which continues to win. Above all I give my thanks for the production of the Maine Forester representing all facets of the school; I hope that this will be a continuing effort.

We are a professional School of Forest Resources and I hope that this message is reaching all within our ranks. We are as good as any in the Country in our special fields of professional expertise. Our foresters, wildlife managers, and wood technologists are the equal of any produced anywhere. You students are proving this time after time wherever you go. This year we can point with pride to having graduated the top student in the 1976 class, Donna Rounds. She is one of many who show others that the School is being heard from both on campus and around the nation. We will continue to emphasize our professional concerns and will concentrate on these areas in the School. Two fledgling professional programs show promise; the forest engineering graduates are well qualified in professional forestry and engineering, we expect that they will be well accepted; recreation management programs are still developing and in time with development of a professional core program may gain a similar recognition.

Your staff continues to change as one might expect in a growing and dynamic program. We were all saddened by the loss of Dr. James Whitaker in the spring. His sudden death made us all pause and wonder and perhaps appreciate our own lives and opportunities a little more; we miss his friendly attitude and willingness to help wherever needed. We also wished a happy retirement for Mr. Lew Bissell in Extension and good luck to Dr. Gary Simmons and Dr. Michael Zagata as they moved to new jobs and new experiences.

A highlight for the School has been the development of a new research program named the Cooperative Forestry Research Unit. Landowners of Maine have joined together to support this venture which has permitted us to employ three highly qualified scientists. We have also welcomed four replacement faculty which some of you already know; Professors Floyd Newby and Thomas Brann specializing in Recreation and Biometrics, respectively, and Professors James Gilbert and Terry May in the Wildlife program.

An experiment last summer may be leading to a more permanent procedure for forestry summer programs. We conducted the field experience in two locations; the idea made sense, the numbers of students forced the issue, and the results were encouraging. We have taken a rather hard line on numbers in the School to benefit each of you and future admissions to the programs. We desire to continue our policy of quality education in the professions.

Congratulations in advance to the graduating class. I wish you the greatest of success in whatever you may do, God Bless you, and enjoy life.

Fred B. Knight
Feb. 12, 1977
SCHOOL OF FOREST RESOURCES
DIRECTORY

FORESTRY
258  M. D. Ashley
237  D. S. Canavera
263  T. J. Corcoran
221  R. H. Griffin
229  W. D. Lilley
247  F. L. Newby
241  A. G. Randall
243  W. C. Robbins
217  R. K. Shepard
211  R. F. Taylor
233  H. E. Young
122  P. T. Caron, Tech.
210  J. L. Gifford, Adm. Asst.
   R. M. Pelletier, Sec'y
   K. P. Carson
   S. L. Francis
   D. A. Sewall, Tech.

WILDLIFE
234  C. E. Banasik
242  A. Clauson
216  J. R. Gilbert
224  C. E. Koechgen
222  T. May
246  H. L. Mendall, Unit Leader
220  R. B. Owens
230  V. B. Richens
240  M. L. Horne, Sec'y

INLAND FISH
& WILDLIFE
220  P. O. Corr
   R. D. Hugie
   A. E. Hutchinson
238  H. E. Spencer
236  B. L. Jackson, Sec'y

WOOD TECHNOLOGY
115A  R. A. Hale
113A  N. P. Kutscha
115B  J. E. Shottabe
119B  C. E. Shuler
113  M. Dyer, Tech.
104  E. Keane, Sec'y

EXTENSION FORESTRY
105  T. O'Keefe
103  M. Harris

FACULTY
**EDWIN L. GIDDINGS**  
Assistant to Director  
Assoc. Prof. of Forestry  
B.S., Univ. of Maine, 1933  
M.F., Yale, 1934  
Introduction to Forestry Resources  
Harvesting of Forest Crops  
Senior Seminar  
Timber Management and Valuation

**FRED B. KNIGHT**  
Director and Dwight B. Demeritt  
Prof. of Forestry  
B.S., Univ. of Maine, 1949  
M.F., Duke Univ., 1950  
D.F., Duke Univ., 1956  
Introduction to Forestry Resources  
Senior Seminar  
Management Problems  
Graduate Thesis  
Honors Courses

**THOMAS J. CORCORAN**  
Prof. of Forest Economics  
B.S., Michigan Technological University, 1955  
M.S., Purdue Univ., 1960  
Ph.D., Purdue Univ., 1962  
Forest Economics  
Production Analysis in Forestry  
Planning and Control of Forest Operations  
Research in Forestry Economics

**ROBERT KENT SHEPARD**  
Assist. Prof. of Forestry  
B.S., Univ. of Michigan, Forestry, 1963  
M.S., Duke Univ., Forest Entomology, 1964  
Ph.D., Univ. of Michigan, Forest Ecology, 1970  
Watershed Management  
Senior Seminar  
Statistical Inference in Forest Resources Lab

**DAVID STEVEN CANAVERA**  
Assist. Prof. of Forestry  
B.S., Michigan Technological University, Houghton  
Forest Management  
M.S., Michigan State University  
Forest Tree Improvement, 1967  
Ph.D., Michigan State University  
Forest Tree Improvement, 1969  
Statistical Inference in Forest Resources  
Forest Planting

**WILLIAM D. LILLEY**  
Instructor in Forestry  
B.S., Univ. of Maine, 1970  
M.S., Univ. of Maine, 1975  
Introduction to Forest Resources Lab  
Statistical Inference in Forest Resources Lab  
Forest Biometry Lab  
Photogrammetry and Remote Sensing of Natural Resources Lab  
Practice of Forestry
FLOYD L. NEWBY
Assoc. Prof. of Forestry
M.S., Univ. of Michigan, Forest Recreation, 1966
Ph.D., Univ. of Michigan, Forest Recreation, 1971
Forest Recreation Management
Introduction to Forest Resources Lab
Recreation and Park Management
Forest Policy and Administration

THOMAS B. BRANN
Assist. Prof. of Forestry
M.S., University of New Hampshire
Ph.D., Virginia Polytechnic Institute and State University, pending
Statistical Inferences in Forest Resources
Forest Biometry
Forestry Summer Camp

ARTHUR G. RANDALL
Assoc. Prof. of Forestry
B.S., Yale, 1933
M.F., Yale, 1934
Forest Fire Control
Introduction to Forest Technology
Forest Protection
Applied Silviculture Seminar
Summer Camp

JAMES E. SHOTTAFER
Prof. of Wood Technology
B.S., State Univ. of New York, 1954
M.S., State Univ. of New York, 1956
Ph.D., Michigan State Univ., 1964
Analysis in Forest Utilization
Wood Technology II
Research Methods in Forest Utilization

RICHARD A. HALE
Assoc. Prof. in Wood Technology
B.S., Univ. of Maine, 1949
M.F., Yale, 1950
Primary Wood Processing
Wood Preservation and Drying
Senior Seminar

CRAIG E. SHULER
Assoc. Prof. of Wood Technology
B.S., Colorado State Univ., 1960
M.S., Colorado State Univ., Radiation Biology, 1966
Ph.D., Colorado State Univ., Wood Science, 1969
Wood Technology I
Wood Physics
Senior Seminar
Freshman Seminar
Sophomore Seminar
WALLACE C. ROBBINS
Assoc. Prof. of Forest Technology
B.S., Univ. of Maine, 1954
M.S., Univ. of New Brunswick, 1956
Director, Two-Year Program
Aerial Photo Interpretation
Wood Products Utilization
Forest Measurements
Wood and Tree Identification

HOWARD L. MENDALL
Prof. of Wildlife Resources
Leader, Coop. Wildlife Research Unit
B.A., Univ. of Maine, 1931
M.A., Univ. of Maine, 1934

D. GORDON MOTT
B.S.C., Univ. of New Brunswick,
Forestry, 1954
M.F., Yale Univ., 1957

RAY B. OWEN, JR.
Assoc. Prof. of Wildlife
B.A., Bowdoin, 1959
M.S., Univ. of Illinois, 1966
Ph.D., Univ. of Illinois, 1968
Ecology
Senior Seminar
Ecological Energetics

JAMES R. GILBERT
Assist. Prof. of Wildlife
B.S., Colorado State Univ., 1968
M.S., Univ. of Minnesota, 1970
Ph.D., Univ. of Idaho, 1974
Principles of Wildlife Management
Senior Seminar
Biological Characteristics of Game Birds and Mammals

VOIT B. RICHENS
Assoc. Prof. of Wildlife
Assist. Leader, Coop. Wildlife Research Unit
B.S., Washington State, 1957
M.S., Utah State Univ., 1961
Ph.D., Utah State Univ., 1967
Wildlife Management
Wildlife Graduate Seminar

CARL E. KORSCHGEN
Assist. Research Prof. of Wildlife
A.B., Univ. of Missouri, 1970
M.A., Univ. of Missouri, 1972
Ph.D., Univ. of Maine, 1976
TERRY A. MAY
Assist. Prof. of Wildlife
M.S., Colorado State Univ., 1970
Ph.D., Univ. of Colorado, 1975
Biological Characteristics of Game Birds and Mammals
Director-Wildlife Summer Camp

MARK W. HOUSEWEART
Assist. Research Prof. of Forestry
Coop. Forestry Research Unit
B.S., Kansas State Univ., 1969
M.S., Colorado State Univ., 1971
Ph.D., Univ. of Minnesota, 1976

CHESTER F. BANASIAK
Assist. Prof. of Wildlife
B.S., Michigan State University Forestry, 1948
M.S., University of Massachusetts Wildlife, 1952
B.S., University of Montana, 1965
Ph.D., University of Maine Forest Resources, 1974

DAVID B. FIELD
Assoc. Research Prof. of Forestry
Coop. Forestry Research Unit
B.S., Univ. of Maine, Forestry
M.S., Univ. of Maine, Forestry
Ph.D. Purdue University

TIMOTHY GERALD O’KEEFE
B.S., New York State Univ., Syracuse, Forest Products Engineering, 1955
M.S., New York State Univ., Syracuse, Forestry, 1957
M.A., Northern Arizona Univ., Psychology, 1973

ROGER F. TAYLOR
Superintendent of Dwight B. Demeritt and Harold W. Worthen Forests
Univ. of Massachusetts
MAXWELL L. MCCORMACK, JR.
Research Prof. of Forestry
Coop. Forestry Research Unit
B.S., Univ. of Maine, 1956
M.F., Duke Univ., 1959
D.F., Duke Univ., 1963

BARTON M. BLUM
Faculty Associate
B.S., Rutgers University, 1954
M.F., Yale, 1957
Ph.D., Syracuse, 1971

HEWLETTE S. CRAWFORD, JR.
M.S., University of Michigan
Wildlife Management, 1957
Ph.D., University of Missouri, 1967

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B.S.C., Univ. of New Brunswick,
Forestry, 1954
M.F., Yale Univ., 1957

ROBERT M. FRANK
Faculty Associate
B.S., The Pennsylvania State Univ.
Forestry, 1954
M.F., The Pennsylvania State Univ.
Forestry, 1956
RALPH H. GRIFFIN
Prof. of Forestry
B.S., Virginia Polytechnic Institute, 1943
M.F., Yale, 1947
D.F., Duke, 1956
Silvics-Forest Ecology
Silviculture
Advanced Silviculture
Forest Influences

NORMAN P. KUTSCHA
Assoc. 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 Anatomy
Research Techniques in Wood Anatomy

MARSHALL D. ASHLEY
Assoc. Prof. of Forestry
B.S., Univ. of Maine, 1965
M.S., Purdue Univ., 1966
Ph.D., Purdue Univ., 1969
Forest Biometry
Photogrammetry And Remote Sensing of Natural Resources
Director-Forestry Summer Camp

MALCOLM W. COULTER
Prof. of Wildlife Resources
Assoc. Director of Wildlife
B.S., Connecticut, 1942
M.S., Univ. of Maine, 1948
Ph.D., Syracuse, 1966
Ecology
Wildlife Management
Senior Seminar
Graduate Seminar

HAROLD E. YOUNG
Prof. of Forestry
B.S., Univ. of Maine, Forestry, 1937
M.F., Duke Univ., Biometrics, 1946
Ph.D., Duke Univ., Biometrics and Tree Physiology, 1948
SECRETARIES AND JANITORS

Kathy Carson, Susan Francis
Amy Morin
Betty Keane, Missy Harris  Maxine Horne
Janice Gifford, Regina Pelletier

"The People who keep the School Running"

Ed Boucher  Gene Richardson  Al Robichaud
"But it's only supposed to simulate"
DEDICATION

PROF. ARTHUR G. RANDALL

Professor Arthur Randall has done much to enhance the School of Forest Resources' reputation. Few faculty have ever entered this institution with the background of this man. Prof. Randall obtained his BS and MF at Yale in 1933 and 1934 respectively. During the next twelve years, prior to accepting a teaching position here, Prof. Randall acted as a District Ranger on four National Forests in the west, worked with the CCC program, did research work at the Allegheny Forest Experiment Station, and taught at Colorado State College. Prof. Randall, with the longest tenure of any of the teaching staff in the school, has fulfilled many positions; from 1946 to 1952 he taught as an Assistant Professor, at which time he was promoted to an Associate Professor. In 1968 with the founding of the two-year technical program, Prof. Randall "took the reins" and led this program up until this time. Both on and off campus his enthusiasm in organizations has kept him very active. Among these activities are running fire crews, advisor to the Fortec Club, and being active with SAF, AFA, Orrington Conservation Commission, and Xi Sigma Pi, along with authoring or co-authoring thirty publications dealing primarily with fire and cutting programs. It is due to this vast knowledge, experience, and Prof. Randall's general outlook on life that all of us here at the School of Forest Resources hate to see him leave.

The technician program here at UMO certainly owes much to Professor Randall. Through his experience, intelligence, character, and personality this program has become a success. In the growing field of forestry, he saw not only the need for Professionals, but also the growing demand for technicians. With this in mind during the past eight years Professor Randall has strived and succeeded in his goal of turning out high quality technicians that are in demand in the market.

It is with remorse that I see Professor Randall leaving the school. He has accomplished much during his 31 years with us. He has been resourceful, reliable, enthusiastic, and always willing to accept responsibility. I can only hope his retirement holds many years and much happiness for both him and his wife.

Prof. Arthur Randall has consistently exhibited his professional background and current understanding in the field of forestry during his thirty-one years of teaching. With the formation of the technician program, Art has still been able to share his time between the two-year program, the four-year programs, students, faculty, and various outside activities. We hope that even after he enters the field of retirement he will come back to continue to share a bit of his experience with us.

I've got to say never have I seen another man like Art Randall. Even as he is about to retire and leave the school where he has dedicated so much of his time, he is still striving to make improvements. I'm sure even throughout his retirement he'd be more than delighted to sit down with any student and discuss fire fighting concepts or silvicultural practices. May your retirement be long and fulfilling.
The two-year Forest Management Technology program is rounding out its ninth year and there are two items of significance to report since last year's edition of the Maine Forester. First, we have to report the up-coming retirement of Professor Arthur Randall, who has been teaching forestry students at UMO since 1946. He taught various required courses in the B.S. degree program until the two-year program was initiated, and even then maintained contact with the four-year program by teaching Fire Control and Range Management courses. He was Director of the Forestry Camp until very recently, and he has been a good adviser to younger faculty coming to the school as well as being a student adviser to many. He is going to be impossible to replace, although we will have to hire someone to pick up the teaching load he has handled. I can see him now, this summer, relaxing at home on the north shore of Swett's Pond while we're sweating it up the slopes of Bigelow and Sugarloaf, swatting the black flies.

Second, we had our first lady technician graduate last June (1976) and this fall we started with three more ladies in the new class.

Reporting on last June's graduates, of the 37 who completed the program and received their certificates, 18 are in forestry or forestry-related jobs, 7 went on to further their education in four-year forestry or other programs at UMO, two have non-forestry related jobs, and the other eleven, we are sorry to say, we do not know what their situation is at present.

The present senior class in the Ty program has the distinction of being the last forestry class to use the Princeton facility. Beginning this summer we will be working out of Capricorn Lodge, near Sugarloaf Mountain for our field training program. The faculty as well as the students will be 'breaking new ground' at summer camp this year.
Two Year Forestry Technical Freshman
by
Steve Pelletier

Forestry "Techies", the two year forestry students of UMO, can be found in a wide variety of situations. One such situation might be sitting in the ancient and battered orange "stumpy" bus (more affectionately deemed "Calypso a la tech") in cold, sopping wet clothes, scraping muddy boots clean while the last few stragglers drag tangled chains out of the Demeritt Swamps on a cold, rainy November morning. Another would be frantically scribbling haphazard notes while BTU's and amperes burn up the chalkboard and the brains of temporarily crazed students. Yet, in a few hours they can be tearing through a muddy field in a roaring Ranger 677 Skidder. These are all just quick scenes and indeed, only a minor part of a forest techie's school time lifestyle. It had all begun only a matter of weeks before when classes, labs, and the rest of the college entrapments ended summer months and vacation times to officially kickoff a college career. Finding out what roommates, dorm parties, meal tickets, and prelims were all about was only a minor part of life in the College of Life Sciences and Agriculture at Orono's University of Maine.

The sixty-three students comprising the freshman technical forestry class endured the initial trials and tribulations of their first few months of college. Abney levels, D-tapes, calipers, and log scales all received good workouts during four hour morning labs, rain or shine. Unfortunately there seemed to be an abnormal amount of rain.

The Technical Division of the College of Life Sciences and Agriculture basically aims to prime its students for a forestry career. While the programs are not specifically designed as preparatory for the four year professional forester's curricula, there is still a recognized continuum permitting able students whose educational objectives change to transfer to a four year program upon the successful completion of the Associate Degree studies. The courses are of a technical nature and place emphasis upon the development of skills for immediate application upon graduation.

Classes and labs cover many aspects of both forestry and non-forestry education. These range from classes of Forestry Power, where conventional and diesel engines, transmissions, electrical systems and hydraulics are studied and tested, to speech classes where students can be found quaking in their boots in front of fellow classmates. The good times and hard times of the two year stumpsies' college make life much more enriched, not only by the amount of beer consumed, but by the knowledge gained and friendships founded. It's only the first year, but it's a beginning.
Two Year Forest Management
Seniors
by
Walt Dunlap

After having skillfully examined the arboreal minutiae of Township 27ED at Princeton; having designed recreation plans for undreamed financial success at Pocomooshine; having inventoried the town landfill for small mammals; having cleared miles of grade A firebreaks; having mastered the complexity of the plane table and having pondered mightily the virtues of Schooner beer, the Senior Forest Management Technicians turned their limitless talents to the fall semester.

Many of us were saddened to leave the lofty seclusion, serene calm and elevated sophistication of the Bangor campus for the rushing hurly-burly and cacophony of metropolitan Orono. Many of us took this turn of events in stride however, and were quick to demonstrate a remarkable environmental adaptability by participating fully in the intellectual circuit which revolves around the Bear's Den. There, some have sought an answer to the timeless forestry riddle: Is beechwood aging better? The elusive resolution of this important question has prompted some to consider post-graduate research.

Fortunately, the Fall curriculum permitted us to renew our fond affection for the ARE department through Accounting, to appreciate the distinction of bulk densities and cation exchange capacities, to meld all these diverse expressions in good expository form so that we are now able to discuss humus in the most genteel society in terms of accounts receivable.

Now in the last semester, we find ourselves more integrated into the university community than ever before and, ironically, paying more attention to bulletin board announcements from the placement office. We still seek an answer to that forestry riddle and look ahead to graduation. We have begun to think of graduation not as an EFT, but more as an EPO and feel confident that the paths of some of us will cross again.
Each year members of the sophomore class of the two year forest technician program spend six weeks at Camp Robert I. Ashman in Princeton, Maine as a requirement for their Associate Degree. The camp is headed by Professor Robbins and Professor Randall, who are assisted by Bill Lilley. In these six weeks the students are educated in practical skills of forest management and practice these skills in the field. Although the camp is similar to the four year curricula camp it is not exactly the same.

On July 18, twenty-six second year technicians showed up at camp Ashman for what seemed to be the longest six weeks in their lives. The first day consisted of quizzing in dendrology to see how well the common tree species were remembered. From that day forward it seemed as though a chain was always in one hand and a compass in the other, for constantly compass lines were run through the forest.

For the next two weeks one could hear the grinding of axes in camp at all hours of the day. To insure of adequate experience in cruising, over two weeks were spent doing this task on lands of the Indian Township. Each pair of students cruised a mile-square compartment using the strip, line plot, and point sample cruising methods. The compartment cruise was a trying exercise as students battled the mosquitoes for their lunch, became engulfed by man-eating cedar swamps or ran out of water halfway across across a clearcut in 90 degree weather. They constantly prayed plot centers would land in an old logging road or spruce bog, (no tally!). After running the compartment cruises, crews check-cruised other student’s lines.

After taking 4 CET (Elementary Surveying), most hoped they would never hear the phrase “error of closure” again. Because it was only reasonable to get some extra practice in surveying, Bill Lilley instructed many surveying exercises. A plane table survey of the R.I. Ashman Camp was done and a map constructed with it. Traverses done with both the hand and staff compasses, mapping of a clearcut area with the ready mapper, designing a recreation plan and constructing a map for that were also accomplished. It seemed the more surveying done, the larger the “error of closure” got!

The foreman’s position on a forest fire crew is often held by a forest technician. It was important then to become familiar with the fire-fighting equipment and procedures. The class took a trip to a local Forest Service Station to hear a talk on forest fire organization and equipment. Also, an afternoon was spent operating portable and stationary pumps, hoses, etc. Somehow, through all these exercises only one hose was broken. This same week a simulated fire set up by Prof. Randall was fought. A fire line was held by a pumper crew using portable pumps.

Some other exercises done at summer camp were a day of boundary line maintenance, a day of wood harvesting, and a saw mill study.

During the six weeks of summer camp the techies went on a number of different field trips in the area. They visited a Georgia-Pacific tree planting operation where seedlings were being planted on clearcut areas, a greenhouse where the seedlings were raised, the Moosehorn National Wildlife Refuge to observe wildlife management, Dead River Company with its harvesting operations and the G.P. stud mill. G.P., mechanical harvesting operations were viewed using such machinery as the Logma Delimber, Drop-Feller-Buncher, Bo-bark Chipper, Grappler-Skidder, and a Forwarder. Also taken in were a number of trips to different saw mills and paper mills.

Since there were few sources of entertainment in the big city of Princeton, members of the R.I. Ashman Camp resorted to wild volleyball games after supper, frequent dips in the lake (some involuntary), and marathon card games at 2:00 in the morning. Occasionally Prof. Randall would fire up the “Stumpy Express” and the troops would travel to the Woodland High baseball diamond for a rowdy game of softball.

After six weeks in Princeton, Maine, all had practiced so much forestry that chaining and pacing were done in their sleep. After a week’s vacation, notebooks were packed, hair cut, two inches of grime washed off their bodies, and the techs trudged into Nutting Hall for classes once again. As bad as it seemed to start classes, anything was better than summer camp ’76.
Two Year Technician Seniors

MARK AKELEY
Bath, Maine

GARY H. ANDREWS
Bridgton, Maine

WILLIAM H. BEVANBERG
Bangor, Maine

DENNIS BOLDUC
Waterville, Maine

ROBERT CARRELL
Augusta, Maine

MARK R. GAGNÉ
Norway, Maine

ERIC DAVIS
Marblehead, Mass.

RICHARD DEARBORN
South Portland, Maine

JAMES D. DUNLAP
Lancaster, Penn.

M. MAHANEY
Augusta, Maine

WALT DUNLAP
Lancaster, Penn.

DANIEL D. EVANS
Brunswick, Maine

MEREDITH G. HAYNES
Winn, Maine

SCOTT KIERSTAD
Dedham, Mass.

KENDALL E. KNOWLES
North New Portland, Maine

F. L. ROGERS
Fort Kent, Maine

SANDERSON

DAVID SMITH
Avon, Conn.

WALT DLNAP
Lancaster, Penn.

M. MAHANEY
Augusta, Maine

KENDALL E. KNOWLES
North New Portland, Maine

DAVID SMITH
weeks Mills, Maine

HAROLD WEBB
Prospect, Maine

MICHAEL P. NEVELLS
Beaverly, Mass.

CHRISTOPHER E. ROBINSON
Chesterex, Switzerland

GLENN D. SANCUTER
Fort Kent, Maine

JAMIE SERNATINGER
Suffield, Conn.

DANIEL SPONNER
Hope, Maine

KURT SHERWIN
Camden, Maine

DAVID SMITH
weeks Mills, Maine

MICHAEL P. NEVELLS
Beaverly, Mass.

DANIEL SPOONER
Hope, Maine

TOM WEBB
Milo, Maine

TOM WEBB
Milo, Maine

JASPER WHITE
Franklin, Mass.
"Poor little tree, I know how you feel."
FRESHMEN

"Gotta try everything once!"

NEVER SWALLOW
This year brought yet another class of freshmen to the School of Forest Resources. As mixed a group as ever, everyone attempted to adjust to the new life and environment of the campus. Some obstacles met by the new students were, tripling up in the dormitory rooms, dealing with the impersonal computer in arranging schedules and finding one’s way home in the dark for the first time. Eventually, everyone settled in to begin the first days of many days to come.

Courses began and so did the work. The numerous tests and quizzes staggered our minds, but we still trudged on. Weekends were long looked forward to during the “dedicated” weekdays. Such courses as: Bio 1, Ch 11, Fy 1, and Ms 4, will forever remain memories of memorization. The promise of the long vacation brought many of us through the remainder of the semester and the ordeals of finals. Indeed the first semester finally passed, as did the majority of the students.

After the long semester break, the second semester resumed and the freshmen returned once more, but upon this arrival, emotions and feelings were of a mixed nature among the students. Some were in question of their majors, others seemed sure of their future. With the first semester experiences behind us, we all seem to be a little wiser and look forward to what lies ahead of us.

So what has been learned? In which direction will this education take us? Are the goals set by students in the School of Forest Resources realistic? Hopefully, during the coming years at Nutting Hall students will be assured of their convictions and allowed to follow a direction of their own design.
"Which way do I go from here?"
In mid June of 1977, the sophomore class will have attained the long awaited status of being "half way through." This grand anniversary will happen at summer camp, where a group of students will be industriously fielding the knowledge gained through many classroom hours. Entomology will serve them in fine stead to identify swarms of bloodsucking "bugs" as Dipterans. Students will well know that it is 200' at N30° 10'W across the bog filled with Pitcher Plants and Tamaracks; a very delicate but wet ecosystem. Some will have an opportunity to see a Green Snake that is actually green, (unlike the specimen in Zo 131 Lab). Others will find the chance to utilize SC 3 talents to talk to trees, trees, trees, and more trees in North Bridgton. Even the Profs will have a chance to meet new woody friends at the new forestry camp at Sugarloaf. Sophomore after sophomore is sure to learn that the opportunity cost of attending camp is the lack of a summer job.

On the whole, students are looking cautiously toward next year. No one is quite prepared for Silvics and the alleged 60 page report, nor invertebrate zoology's continuation of scientific names. The sophomores, however, are looking forward to being one step closer to rabbit ranger and stumpy professionalism.
"I'm missing something"
Junior Class

by

Steve Law

As we complete our third year in the School of Forest Resources, we have the fortunate ability to reflect back on sophomore memories and seek the fulfillment of senior dreams.

Although scientific names and grueling hours of mapping often cloud fond memories, few will forget the summer camp experience. That first taste of the great outdoors — too often of black flies and mosquitoes. To foresters, summer session meant a shuffle between two camps. While dynamite and chain saws provided entertainment at Princeton, the weeks at Bridgton will recall memories of reports and long bus rides. To wildlife, Pittsfield has left an ever-lasting impression. While vegetative sampling and ecosystem analysis concerned us by day, papers, projects, and quizzes frequently occupied our evenings after softball games and water fights. And during the six weeks of MCI cooking, even field samples looked appetizing!

We will soon carry the responsibilities that only seniors possess, for we will be the new leaders in the School of Forest Resources. Next year will be marked by applications and interviews as we bid for employment or graduate school. Yes, senior year will hold the key to our future, and we must use that key to open the door to success.

Our junior year is nearly complete and Silvics is now history. We've met and surpassed the ultimate challenge of this year. But we must now look ahead, for every year provides new challenges to conquer and new goals to grasp.
"Is there ever a top up there?"
Senior Class
by
Paul Hopkins

It was the fall of 1973 and many of us were wondering what we were getting ourselves into. Many strange names and places were floating around and various levels of bewilderment were evident. Huge lecture halls were to become home and Chemistry and Fy 1 lab reports a way of life. For most, the breakthrough in our education probably occurred the first time we were able to properly "throw" the chain tape! It was explained that we would be the future managers of the world's most important renewable resources and then it was off to classes like Calculus and Chemistry. The connection, however, between the important roles we would be fulfilling and our courses were not obvious. In amongst all of this were optimistic allusions of plentiful professional opportunities when graduation approached.

It is now the spring of 1977 and graduation is fast approaching. Applications are being filed by the hundreds for those "plentiful professional opportunities" and for graduate positions. Some are having more luck than others but the competition is severe and in order to find a place in the world, everyone is going to have to employ all his or her faculties and remain persistent in his or her efforts.

As the hunt for jobs or for graduate positions wears on, all will have their own memories of the four years they spent at UMO. Some of the memories of the sophomore year might include the hours spent standing over the surveying and photogrammetry maps. Or perhaps the memories might be of those extra-long lab reports for Forest Biometry or of standing in front of a speech class to give an oral presentation on clearcutting, or lead-shot mortality in ducks. Other recollections might be of the first warm days of spring; the picnics, the softball games, or studying out in the sun while the skin turned deeper and deeper red.

All the while, rumors of courses ahead, such as Silvics, started to bring on feelings of dread. Then came the summer and what can stir the memory more than the six long weeks spent at summer camp, either in Princeton or in Pittsfield? Those of us in Forestry will never forget those long days taking regeneration data off the burned land on a clear day with temperatures near 100°. For that matter, who can forget how good that beer tasted at the end of the day, or how good the swim in the lake was, or how satisfying the evening meal could be. Those of us in wildlife will never forget those days under "Iron Mike" doing biomass studies in the pouring rain or taking measurements in the middle of streams or doing ecosystem studies. Perhaps the most memorable point about Pittsfield was the "plentiful" supply of toilet paper in the dorms. That summer marked the last time a full six week session was held at Camp Robert I. Ashman. It also marked the last time that Pittsfield was to see "Iron Mike".

Some of us — four years ago!

The junior year turned out, for most of us, to be as was expected, hard. But it also turned out to be a year where the majority of the classes were related to our individual fields of study. Nothing more need be said except the Silvics lab report will linger in our memories forever.

Then the light appeared at the end of the tunnel and the final year started. The big courses were Wildlife Biology and Forest Management and somehow, while taking these courses, it all seemed worthwhile. Yet, three and one-half years of studying have brought apathy to its height. Luckily, graduation isn’t far off. Hopefully, we’ll all find a place for ourselves in the world that will be extremely beneficial for ourselves and for all of man. With that in mind, everybody in the Senior class wishes everyone the best of luck!
Forestry Seniors
Forestry Seniors

WILLIAM L. ARNOLD
Newport, R.I.
Wood Technology
University Oratorio Society
Lector at Newman Center
Bicycling, Camping, Sailing

R. BRENT BAESLACK
Brewer, Maine
Forestry General
Boy Scouts of America
S.A.F., F.P.R.S.

JOHN S. BARTLETT
Chelmsford, Mass.
Forestry General
Outing Club, Forestry Club
UMO Wildlife Society

LOUIS BELISLE
Bethel, Maine
Forest Engineering

MATTHEW M. BETZ
Ellington, Conn.
Forestry General

JAY B. BEWLEY
New London, N.H.
Forest Engineering

JOHN W. BRYANT
Orrington, Maine
Forest Utilization
S.A.F., F.P.R.S.
Forestry Club

THOMAS BUNKER
Falmouth, Mass.
Forest Engineering

RICHARD BYRD
Hampden, Maine
Forestry General
UMO Hockey Team Club
S.A.F.

RICHARD G. CARBONETTI
Millington, N.J.
General Forestry
Xi Sigma Pi - Forestry
UMO Rugby & Lacrosse Clubs
S.A.F.

DANIEL CHRISTENSEN
Old Town, Maine
Forest Engineering

STEPHEN C. COLEMAN
So. Londonderry, Vermont
Forest Management
Co-editor 1977 Maine Forester
Woodsmen Team - Captain 76-77
Forestry Club - President 75-76
UMO Wildlife Society
S.A.F.

GEORGE COVEL
Old Town, Maine
Forestry, Wildlife
The Wildlife Society
Xi Sigma Pi, S.A.F.

ROBERT M. DOVE
North Plainfield, N.J.
Forestry, Wildlife
The Wildlife Society
S.A.F., E.A.C.

THOMAS PETER DUBE
Old Orchard Beach, Maine
Forestry, Wildlife
Theta Chi

DAVID C. ENGLAND
Mendham, N.J.
Forest Engineering

DOUG FABREY
Perrysburg, Ohio
Forestry, Wilderness
Outing Club, Orono Vegetarian Society
E.A.C., S.A.F.
University Volunteer Ambulance Corps

JEFF FLACK
Freehold, N.Y.
Forestry General

JOHN GABARRA
Barrington, R.I.
Forest Management
Xi Sigma Pi, Alpha Zeta

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Forest Utilization
R.O.T.C., Freshman Basketball
F.P.R.S.

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Xi Sigma Pi
Research Assistant-Ento. & Wood Tech.

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Solon, Maine
Forest Utilization
Woodsmen Team
S.A.F., F.P.R.S.

KENT L. HALL
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Alpha Phi Omega
Phi Gamma Delta
S.A.F., F.P.R.S.
Pulp and Paper Foundation

MARK S. HISCOCK
Stamford, Conn.
Forestry General
S.A.F.
International Society of Arboriculture
Sigma Phi Epsilon-Vice President & Secretary

PAUL HOPKINS
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Forestry Club, S.A.F.
UMO Wildlife Society
Xi Sigma Pi, Intramurals
Harold Worthen Forest Management Award

BRUCE JACOB
Orono, Maine
Forestry General
Phi Kappa Phi
S.A.F., A.F.A.

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Bridgeville, Delaware
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Phi Kappa Sigma
Varsity Wrestling 74, 75, 76, 77

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Sigma Alpha Epsilon-V. Pres.
UMO Rifle Team, Xi Sigma Pi

ROBERT KILPATRICK
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JOHN M. KROPP
Mantua, Ohio
Wood Technology
Delta Upsilon

THOMAS C. LACEY
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Forestry Management
Alpha Zeta

CHUN K. LAI
Hong Kong, British Commonwealth Colony
Forestry General
Xi Sigma Pi-Ranger 76-77
S.A.F., A.F.A., Intramurals
Outdoor Sports, Music

KAREN LAZARETH
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Forestry General
Forestry Club, Scuba Club
Outing Club
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Forest Management
UMO Horsemanship’s Club

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Orono, Maine
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Westport, Conn.
Forest Management
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DOM MICALE
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Intramural Ice Hockey

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S.A.F., Xi Sigma Pi
Boy Scouts of America

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Dorm Government

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R.O.T.C., S.A.F., A.F.A

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Woodsmen Team
S.A.F., R.A.-Atroostook
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Xi Sigma Pi, Phi Kappa Phi
Dorm Government, Intramurals

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RICHARD F. WALKER
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American Fisheries Society
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Hunting, Fishing, Camping
Soccer, Taxidermy

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Xi Sigma Pi

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JAMES ECKER
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UMO Wildlife Society

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The Wildlife Society, Gymnastics Club
D.A.B., Penobscot Paddle & Chowder Society

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Varsity Basketball-74, 75
Varsity Field Hockey-73

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The Wildlife Society
Xi Sigma Pi

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UMO Ski Team -74
Intramurals, Skiing
Photography

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The Wildlife Society, S.A.F.
Forestry Club-Secretary/Treasurer
75-76
Alpha Omicron Pi-Vice President
74-75
Maine Woodsmen Team-Women's Captain 75-76

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UMO Wildlife Society
Oceanic Society, Oceanus-Whoi
National Audubon Society
Alpha Zeta, The Mystic Mariner Ass.

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Hiking, Fishing

JOSEPH P. MALICKY
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Wildlife General
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Varsity Soccer

45
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Xi Sigma Pi, Intramurals
Photography, fishing

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UMO Wildlife Society-Treasurer 75, 76, Pres. 76-77
E.A.C., L.S.A. Dean’s Advisory Committee
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UMO Wildlife Society
The Wildlife Society, Wildlife Parasitology
Fir & Feathers Editor- 76, 77

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Mountaineering
Emergency Medical Technician

MAIDA RAY
Auburn, Maine
Wildlife Ecology
The Wildlife Society

CAROL REID
Cape Elizabeth, Maine
Wildlife Management

JANE ROSINSKI
Freedom, Maine
Wildlife Management

ROBERT S. SAVAGE
Dexter, Maine
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Wildlife Management
Alpha Gamma Rho
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Waterford, Maine
Wildlife General
The Wildlife Society

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Alpha Zeta, Xi Sigma Pi

NEAL WYKES
Lynn, Mass.
Wildlife Management
UMO Wildlife Society
National Wildlife Federation.

MICHAEL YANNONE
Jersey City, N.J.
Wildlife Management
The Wildlife Society
E.A.C., Track Team
Newscaster, WMEB-FM
Dormitory Gov’t. Representative

STEVEN YOUNG
Madawaska, Maine
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Northeast Audubon Society
Fly-tying, Camping

PAUL VAN STEENBERGHE
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The Wildlife Society

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Dorm Government

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New Gloucester, Maine
Wildlife Management
The Wildlife Society
The Wilderness Society

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Bridgton, Maine
Wildlife Management

MICHELLE M. VARRIN
Mount Laurel, N.J.
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Alpha Zeta, Xi Sigma Pi

LYNNETTE M. STANWOOD
Milbridge, Maine
Wildlife General
The Wildlife Society

PAUL VAN STEENBERGHE
Franklin Lakes, N.J.
Wildlife Ecology
The Wildlife Society

WARREN G. SWAN
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Thesis: Ecological Impact of Interstate 95 on
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Thesis: Physical & Behavioral Development of
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Thesis: A Study of the Energy Relationships and
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Thesis: The Effects of Selected Herbicides on Balsam Fir, Red Spruce, and White Spruce Treated at Various Phenological Periods.

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Thesis: Establishing Hybrid Poplar-White Pine Plantations to reduce Weevil Damage.

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Thesis: Relationship of Site Index, Growth, and Yield of Evenaged Spruce-Fir Stands in Northern Maine to Site Factors.

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Thesis: Control Spray Blocks of Spruce Budworm in Maine.

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Thesis: Lignin Based Resins for Wood Flour Molding.
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Thesis: The Role of Aquatic Invertebrates and Energy Reserves in Black Duck Reproduction

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Thesis: Breeding Waterfowl Use of Small Man-made Ponds in Central Maine.

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Thesis: The Technical and Economic Viability of the Utilization of the Forest Resources of the Brazilian Amazon.

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Thesis: Individual Tree Growth and Development of Red Spruce as Related to Tree Characteristics and Competition.

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