



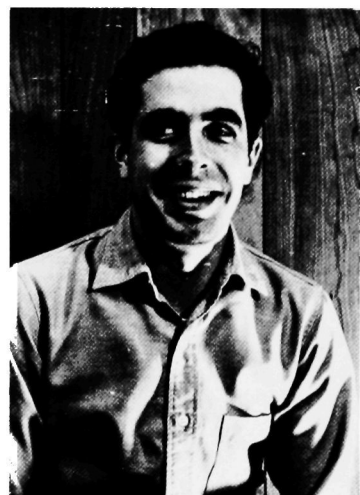
David H. Abell
B.S., Maine, 1966

Graduate Program not Adequately Developed
at Time of Publication

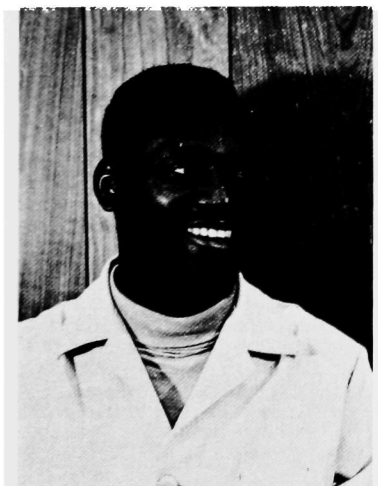
THE GRADUATE PROGRAM OF THOMAS J. ALLEN (1970)

*Telemetry Studies of Deer Movements and
Habitat Utilization at Acadia National Park.*

This program includes a two year study of movement and behavior patterns of deer through the use of radio transmitters. It also includes a winter survey of available food.



Thomas J. Allen
B.S., Maine, 1967



Victor S. Balinga
B.S., University of Nigeria, 1967

THE GRADUATE PROGRAM OF VICTOR S. BALINGA (1970)

A Comparative Study of National Park Systems.

The program will involve a comparative study of National Parks in the United States, Canada, and probably Africa. It is also probable that the work will compare the Refuge Systems.



Myrtle C. Bateman
B.S., Univ. New Brunswick, 1968

THE GRADUATE PROGRAM OF MYRTLE C. BATEMAN (1971)

Some Behavioral and Physiological Effects of Three Different Cover Conditions on White-Tailed Deer

The objectives of the study are to relate differences in the behavior of white-tailed deer penned under three different cover conditions to environmental factors, and to determine if certain physiological parameters indicate a difference among deer penned under these cover conditions.

Each of twelve deer is confined to a quarter acre pen. Four of the pens are clearcut, four have artificial windbreaks and four have natural cover. Intensive behavior observations will be made during the winters of 1970 and 1971.

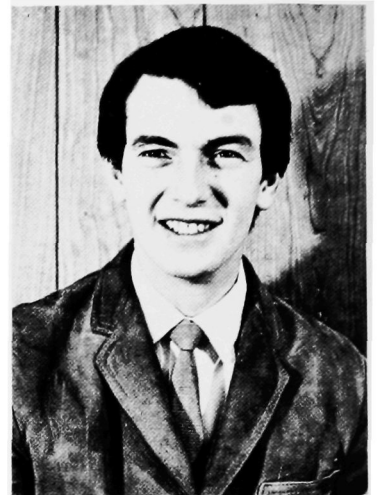
A subcutaneously implanted physiological transmitter will be used to monitor heart and respiratory rates of the deer.

THE GRADUATE PROGRAM OF ANDRE A. BOURGET (1970)

Interrelationships of Breeding Eiders, Herring Gulls and Black-backed Gulls

The purpose of this study is to determine which species of gull, when both occur with the eiders, is the most serious predator of eider nests. Also, emphasis is placed on: the relationship of territorial defense by gulls to eiders nesting in the vicinity, the cause triggering a predation act, and on the individual or group response by gulls to predatory activity.

The study area consisted of four grassy islands near Isleboro in Penobscot Bay. The investigation required observation from blinds and periodic nest checks of both gull species and the eider duck.



Andre A. Bourget
B.S., Laval University, 1968

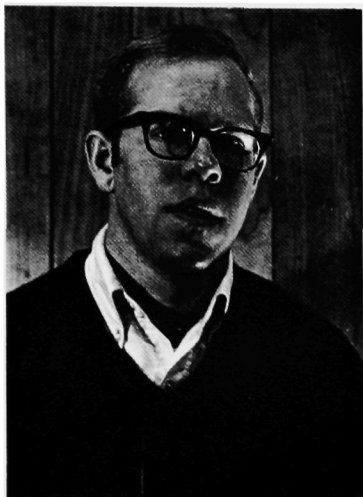


Peter D. Brewitt
U. S. Naval Academy,
B.S., Maine, 1969

THE GRADUATE PROGRAM OF PETER D. BREWITT (1971)

Growth and Yield of Even-Aged Spruce and Fir in Maine

With the recent interest in mechanical tree harvesting and the increased trend to commercial clearcutting as a whole, it became clear that accurate growth and yield information must be made available for the implementation of successful even-aged management policies. The objectives of this study are to provide forest land owners with information regarding: (1) average tree size and cubic foot yields per acre to be expected at periodic intervals in the productive life of even-aged spruce-fir stands, (2) any differences in growth that may be attributed to climatic factors, and (3) the respective effects of diameter, height, and crown size upon the periodic growth in diameter and height of spruce and Balsam Fir respectively.



David E. Capen
B.S., Univ. of Tennessee, 1969

THE GRADUATE PROGRAM OF DAVID E. CAPEN (1971)

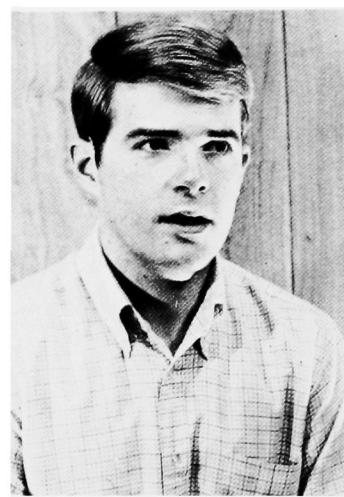
Establishing and Increasing Local Breeding Populations of Wood Ducks by Relocating Active Nest Boxes

During the spring and summer of 1970 approximately twenty active wood duck nest boxes will be taken from areas with high populations of breeding wood ducks and relocated on areas with little or no wood duck production. If hatching is successful, the young birds will be marked for later identification. The spring and early summer of 1971 will involve observation on the areas of nest box relocation to determine if the yearling wood ducks will return to these areas to breed.

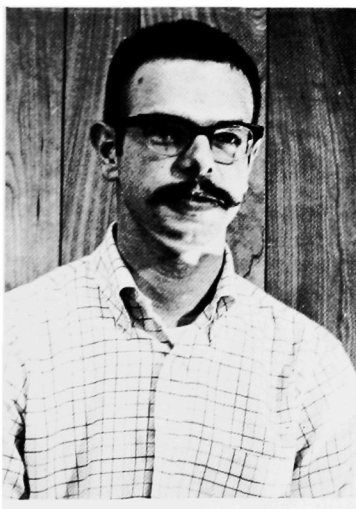
THE GRADUATE PROGRAM OF LOREN W. COLE (1971)

A Simulated Model of a Pulpwood Harvesting System

Mathematical simulation techniques and heuristics will be used to predict optimal equipment and product mix combinations over extended planning horizons.



Loren W. Cole
B.S., Maine, 1969



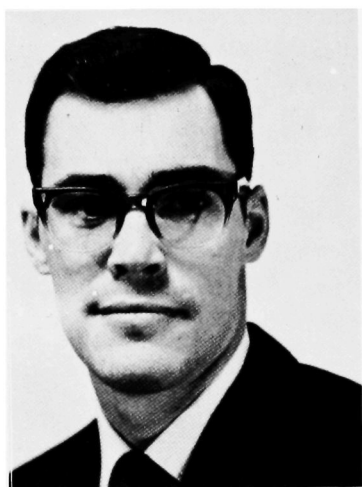
James F. Connors
B.S., Maine, 1969

THE GRADUATE PROGRAM OF JAMES F. CONNORS (1971)

Economic Analysis of Campgrounds in the Sebago Lakes Region of Maine

My graduate program is concerned with the recreational use of forest lands. Proper recreational use of forest lands is based on economics and planning, but people management is the key to success. Therefore, my interests are in three areas: people, economics, and planning. Hopefully, course and thesis work will fulfill these goals.

My thesis is a subproject of NEM-42—Economic Analysis Of The Camping Market In The Northeast. My project is a camping market structure survey in the Sebago Lake region of Maine. We hope to include information about operator goals, camping facilities development and future development of the market.



Douglas P. Denico
B.S., Maine, 1967

THE GRADUATE PROGRAM OF DOUGLAS P. DENICO (1969)

An Application of Continuous Forest Inventory to Small Forest Ownerships

A continuous forest inventory system is to be applied to a particular forest property. The efficiency of this inventory system will be compared with alternative methods. Analysis of inventory data will include an evaluation of multiple volume tables. Computer processing techniques are to be applied in all data analysis and summarization.

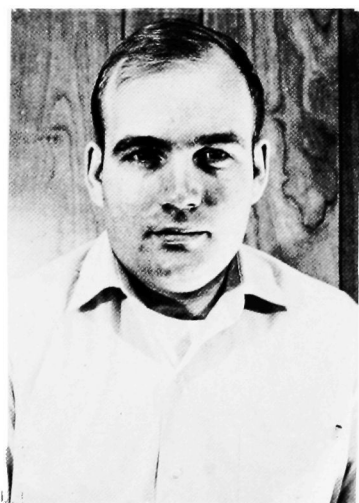
THE GRADUATE PROGRAM OF ROBERT D. DUNFORD (1971)

Summer Behavior of the American Woodcock

The general objectives for the study are to determine the home range and the behavior of woodcock during the summer months. Radio telemetry will be used to track the bird and to determine movement patterns.

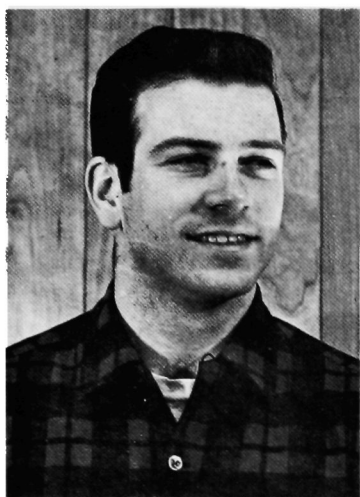


Robert D. Dunford
B.S., Univ. of Florida, 1969



Larry L. Emery
B.S., Maine, 1970

Graduate Program not Adequately Developed
at Time of Publication



Anthony Filauo
ASS. Farmingdale State
College, 1965;
B.S., Maine, 1968

Graduate Program not Adequately Developed
at Time of Publication

THE GRADUATE PROGRAM OF JAMES R. GRAY (1970)

Program not Currently Titled

My thesis will be concerned with: 1) an examination of the importance of studying lignin and the lignification process based on current literature; 2) a determination of the suitability of various well-known dyes for studying the lignification process in fixed woody tissue; and 3) an examination of the lignification process in various stages of cell development in tissues of balsam fir, *Abies balsamea* (L.) Mill.



James R. Gray
A.A.S., Paul Smith's College, 1965
B.S., Maine, 1968



Bruce A. Gurall
B.S., Maine, 1969

THE GRADUATE PROGRAM OF BRUCE A. GURALL (1971)

Program not Currently Titled

Thesis will be concerned with the evaluation of particleboard.

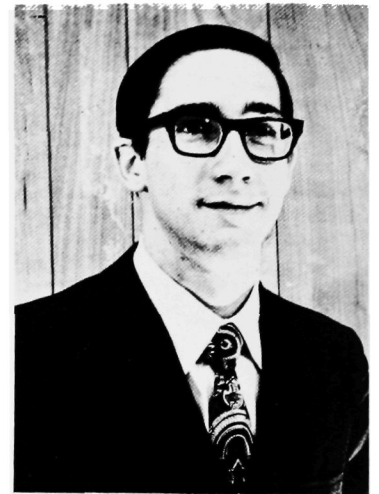


Bruce C. McLaughlin
B.S., Maine, 1966

THE GRADUATE PROGRAM OF BRUCE C. McLAUGHLIN (1970)

Engineering Economic Analysis of the Pallet Industry in the State of Maine

Existing pallet manufacturing operations in the state will be surveyed to determine current processing methods, market characteristics and pallet designs in use. The potential market for pallets of various types will be characterized based on existing economic projections for user firms. Optimum material and methods for pallet manufacture in a proposed process design, and for a process integrated with an existing wood using operation will be developed.



THE GRADUATE PROGRAM OF RAYMOND R. McORMOND III (1971)

The Effect of Drying Severity on the Strength of Plantation Grown Red Pine

Three drying schedules covering a wide range of temperature conditions will be used. Samples from the 8/4 stock will be tested in flexure for modulus of elasticity and modulus of rupture.

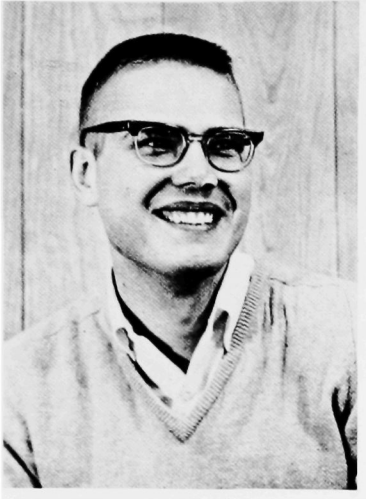
Raymond R. McOrmond III
A.A., Union Junior
College, 1966
B.S., Maine, 1969



Peter R. Martin
A.A.S., Paul Smith's College, 1963
B.S., Maine, 1965

THE GRADUATE PROGRAM OF PETER R. MARTIN (1971)

Throughfall Interception and Moisture Holding Capacity of Forest Litter Under Coniferous and Deciduous Stands in the University of Maine Forest.



James M. Ramakka
B.S., Cornell University, 1969

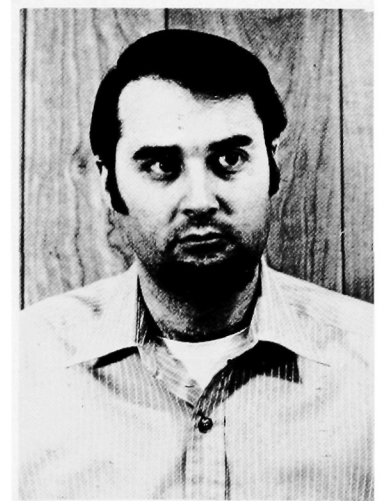
THE GRADUATE PROGRAM OF JAMES M. RAMAKKA
(1971)

Study of the Breeding Season Movements of
the Woodcock (*Philohela minor*).

THE GRADUATE PROGRAM OF DENNIS M. RILEY
(1971)

Program not Currently Titled

An exploratory study into the perceptions and attitudes of snow-
mobile users towards their environment.



Dennis M. Riley
Michigan State Univ.;
B.S., Maine, 1969



Anthony M. Rinaldi
B.S., N. Y. State College of
Forestry, 1967

THE GRADUATE PROGRAM OF ANTHONY M. RINALDI
(1969)

*Production of Deer Forage Following Clear-Cutting
on the Penobscot Experimental Forest*

This study measured plant regeneration by quantity and species
on clear-cut forest land treated in various ways. Tree and shrub
species received major attention, but cover composition of herb-
aceous plants was also determined. An analysis of variance will be
run on the results to examine differences between treatments.



GRADUATE PROGRAM OF RONALD W. SCHILLINGER, JR.
(1971)

*Relationship of Growth of Spruce and Fir in Maine
to Soil-Site Properties*

The State of Maine has been divided into climatic provinces. In this study, one of these provinces will be researched to determine if soil-site properties can be dependably related to the growth of spruce and fir. This study will be done in conjunction with a spruce-fir yield table study by Peter D. Brewitt (1971). Therefore, detailed growth data will be made available for comparing the influences of soil-site properties. Regression analysis will be used to correlate spruce-fir growth with soil-site properties. Any findings about soil-site properties as related to spruce-fir growth would be of great interest to the pulp and paper industry in Maine.

Ronald W. Schillinger, Jr.
B.S., Washington State
University, 1969

THE GRADUATE PROGRAM OF WILLIAM R. SAYWARD
(1969)

*Direct Seeding of Red-Pine Subsequent to Herbicidal Treatment
of the Vegetation of a Pine-Barren in Maine*

Observations on previous direct seeding experiments on the pine-barrens in Township 30 M.D., Washington County, indicated that drought resulting from severe competition of vegetation was the major cause of seedling mortality on the unprepared sites, while on the mechanically prepared sites the major portion of the losses were due to rapid desiccation of the soil surface during the growing season and frost heaving during the dormant season. This experiment was initiated in the summer of 1967 in cooperation with St. Regis Paper Co. and the Maine Agriculture Experiment Station to study the possibility of reforesting the pine-barrens by direct seeding red pine subsequent to deadening the existing vegetation cover with selected herbicides. Seven herbicides were used, five foliar herbicides were applied at three rates ($\frac{1}{2}$ suggested rate, suggested rate and twice suggested rate) in a water solution of 40 gallons per acre, two root herbicides were applied at suggested rate in dry form. Three of the herbicides, (2,4-D, 2,4,5-T and a 50/50 mixture of 2,4-D and 2,4,5-T) were applied at three times during the summer, (mid July, August and September). The remaining two foliar herbicides, (Tordon 101 and Bandvel-d) and the two root herbicides (Tordon pellets and Bandvel-d granules) were applied in August only. Each treatment strip (40x5 ft.) received one herbicidal application and four sowing treatments. The strip was quartered into 10x5 ft. subplots. Each subplot received 10 seed spots each of which were sown with 10 red pine seed in either in the fall of 1967 or the following spring by one of two methods of sowing (surface sowing or drilling). The survival through the first year will be evaluated for each treatment.



William R. Sayward
B.S., Maine, 1967

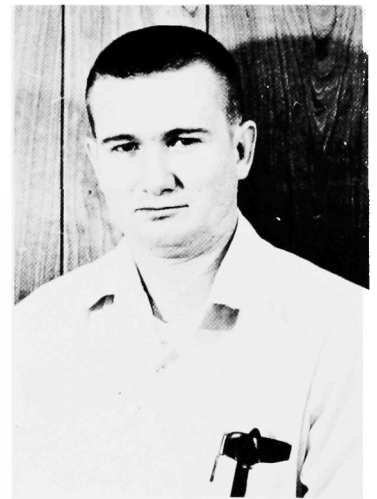


Charles F. Valentine
B.S., Maine, 1969

THE GRADUATE PROGRAM OF CHARLES F. VALENTINE
(1971)

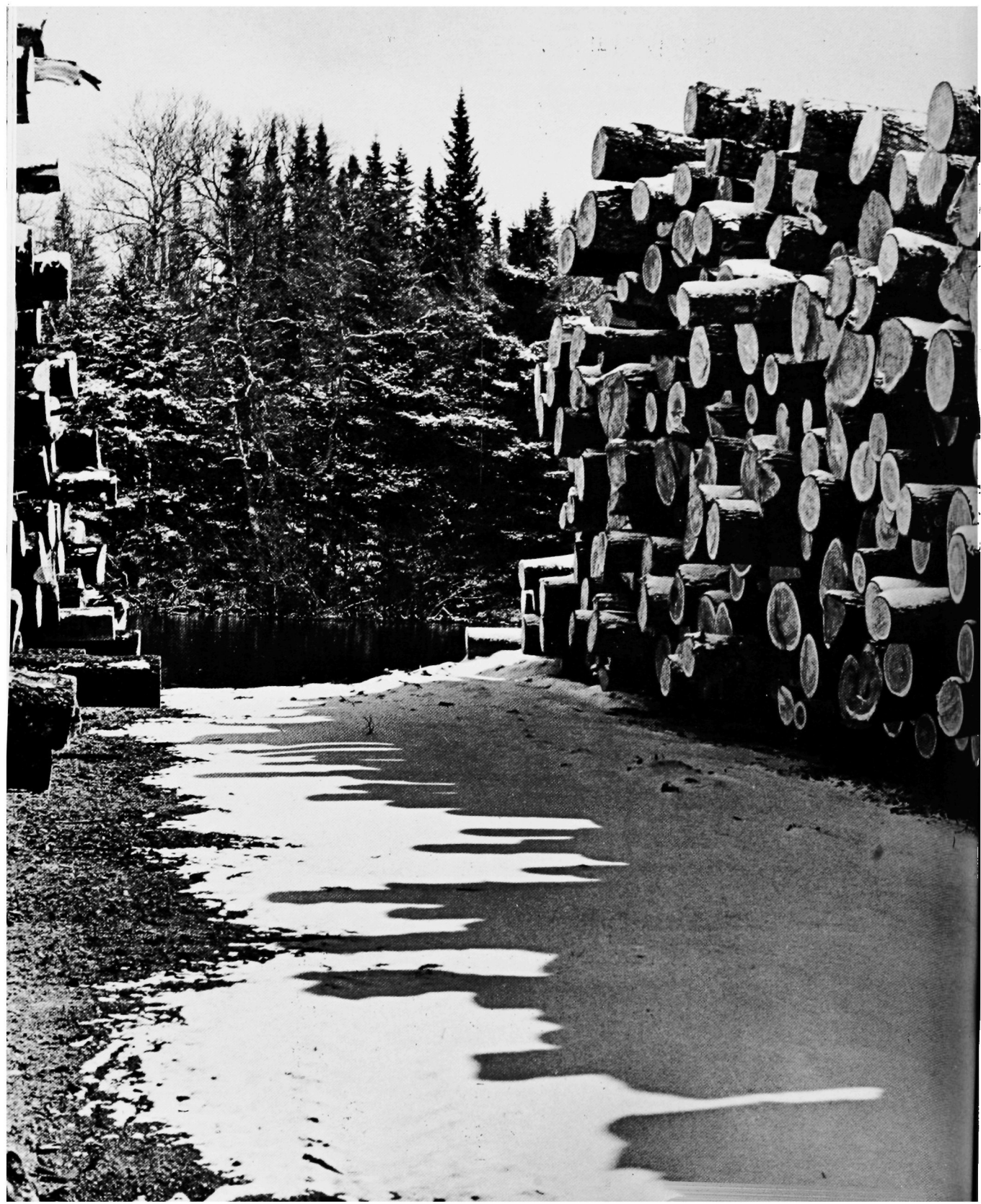
Graduate Program not Adequately Developed
at Time of Publication

Graduate Program not Adequately Developed
at Time of Publication



William R. Whitman
B.S., Maine, 1964
M.S., Univ. of Rhode Island, 1966

BACHELOR OF SCIENCE DEGREE CANDIDATES



SENIOR CLASS 1970

by

JACK WADSWORTH

Four years ago we arrived here, 120 some fired-up freshmen. The first year Chemistry and Fy 1 labs took their devastating tolls on both foresters and wildlifers. The sophomore year saw the less hardy fellows succumb to the rigors of Ce 5 lab and other outdoor jaunts. But now we are 45 highly educated refugees from summer camp.

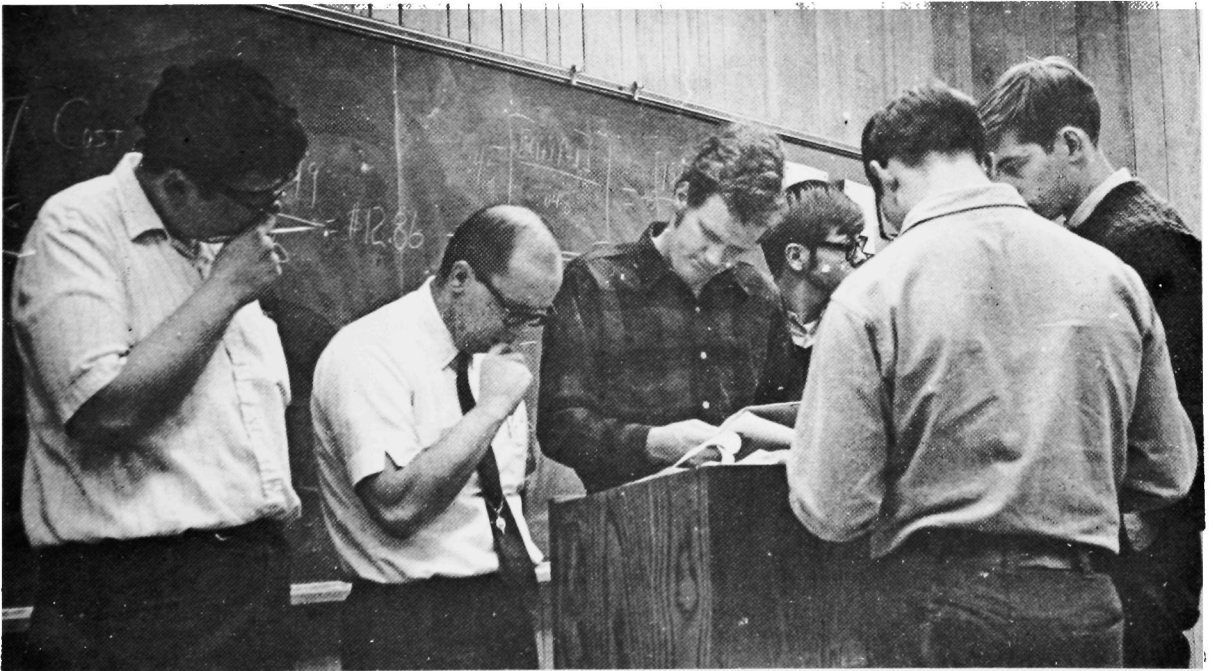
Like every class our numbers have been cut 50 percent since Sept. of 1966 when we were that green group in Deering Hall. Like every freshman we were impressed by the jack rabbit hikes led by either Professors Beyer, Plummer or Randall. Everyone looked forward to the next year but found obstacles no matter what the semester. With the first three years now history, we can say in the senior year there are still some difficult courses. One consolation though, it is less difficult than that lab-report burdened junior year.

However, there are more than just reports and prelims to think about this year. The new lottery system has already planned the future of many while others "lucked out." The job situation does not look the best this year from the Forest or Wildlife Service angle. Private industry is somewhat better for foresters. As usual wildlifers may have a little tougher task of obtaining a job. Those in the ROTC program will have to fulfill their obligations while others will rely on their numbers to fill their army requirements.

At a time like this, the tendency is to look back as well as forward. The class of 1970 has had many changes from professors to a new home. Professor Beyer left at the end of our sophomore year while we gained many new faces such as, Professors Giddings and Wilson and Doctors Ashley, Whittaker, Owen, Kutscha, and Shuler. We are proud to be the second graduating class from the new forestry building. This building has given every class a place of ownership, a place to find teachers, a place of learning and the most unique structure on campus.

Continuing the backward glance, we see both periods of frustration and pleasure. The memories of these frustrating periods will gradually disappear, and our college days will appear as one happy blurr. Besides memories we will also carry many valuable ideas and concepts from lectures, labs, trips and summer camp. We thank the instructors, not only in forestry, but in other departments, particularly botany & zoology, for their time and considerations.

The ideas and concepts we have learned will be applicable in the practice of forestry and also in all our activities. It is our job to put them into practice. Only time will tell what use we make of them.





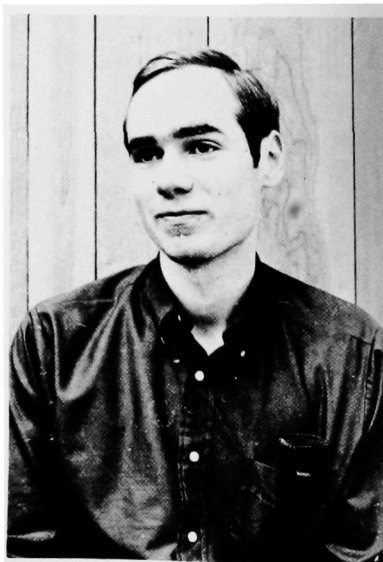
ALAN LINDSEY BURNELL
Gorham, Maine
Major: Forest Management
Activities: Forestry Club,
Maine Forester



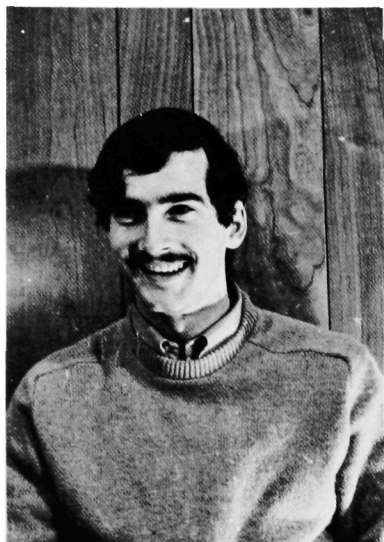
ALLEN RUSSELL CARTER
N. Hartland, Vermont
Major: Wildlife Science
Activities: Wildlife Society



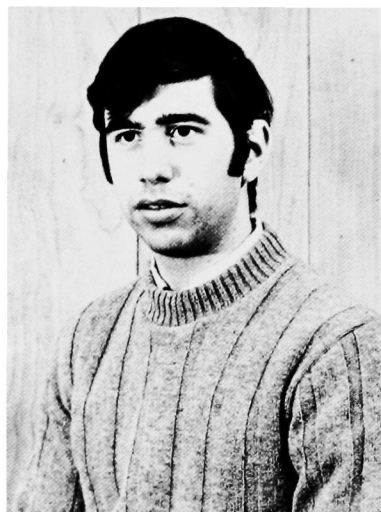
PETER DAVID CHASE
Dennisport, Mass.
Major: Forest Management
Activities: Varsity Soccer,
Forestry Club, Maine
Forester



TIMOTHY JOEL CLEMENT
Newark, Delaware
Major: Forest Management
Activities: Woodsmen's
Team, Forestry Club, Xi
Sigma Pi, Maine Forester,
Hot Shots, Phi Kappa Phi,
R.I. Ashman Student,
Society of American
Foresters



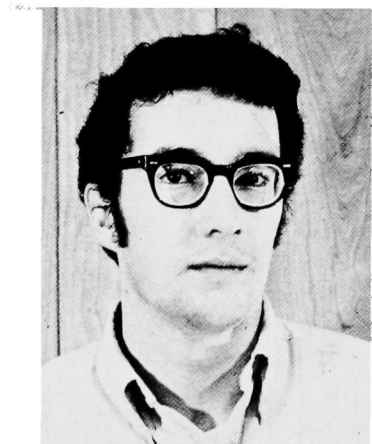
ROBERT CARROLL CLUNIE, JR.
Falmouth, Maine
Major: Forest Management
Activities: Indoor-Outdoor
Track, Alpha Gamma Rho,
Maine Forester



DAVID L. COURTEMANCH
Fairfield, Connecticut
Major: Wildlife Management
Activities: Student Chapter
of the Wildlife Society,
Alpha Gamma Rho, University
of Maine Board of
Fraternities, ROTC,
Maine Forester, Wildlife
Society



FRANCIS PATRICK CREANE
Holyoke, Mass.
St. Anselms College
Fordham University
Columbia School of
General Studies
Major: Wildlife Management
Activities: Wildlife Society



STEVE PHILIP CURTIS
Bingham, Maine
Major: Forest Management
Activities: Forestry
Club, Society of
American Foresters



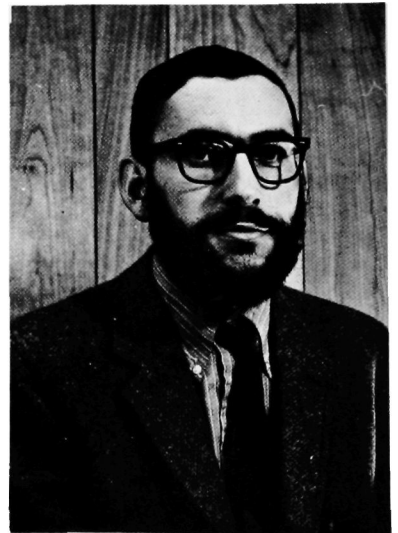
HERBERT R. DICKEY III
Orono, Maine
Major: Forest Management
Activities: Skiing, Land
Surveyor



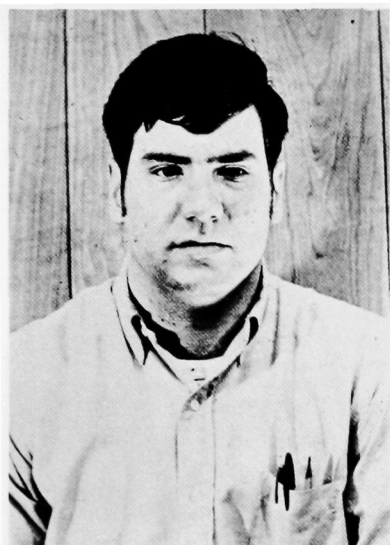
THOMAS EARLE DORT
Gardiner, Maine
Major: Forest Management
Activities: Forestry Club



LYMAN BEECHER FEERO
Alton, Maine
Major: Wildlife Management
Activities: Student
Chapter of the Wildlife
Society



GERARD ARTHUR FONTAINE
Milford, Maine
Major: Forest Management
Activities: Forestry Club,
Advisory Committee for
Psychological Services and
Testing, Student Senate,
Hot Shot Crew, U.M.O.



DANIEL ABER HARE
White Plains, New York
Major: Wood Technology
Activities: Resident
Counselor, Xi Sigma Pi
Phi Gamma Delta



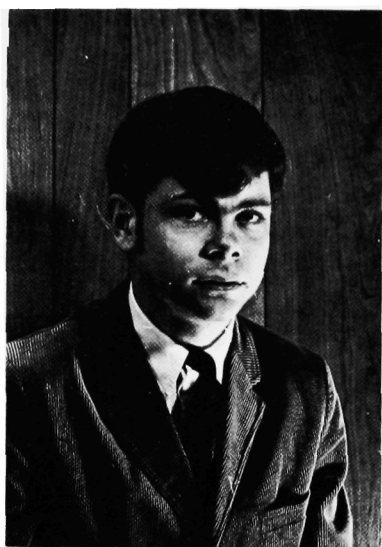
ROBERT ALLEN HART
Barkhamsted, Conn.
Major: Forest Management
Activities: Forestry Club,
Society of American
Foresters, Alpha Zeta,
Maine Forester



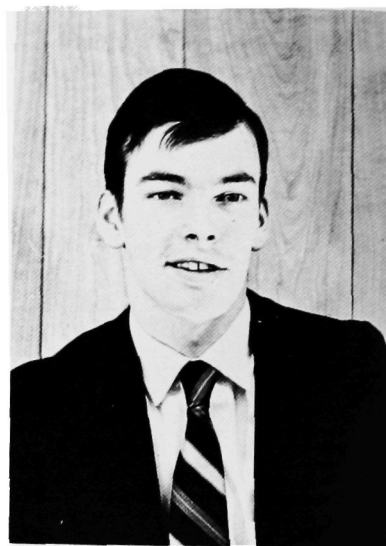
ROBERT EDWARD HITCHCOCK
Westminster, Mass.
Major: Forest Management
Activities: Phi Mu Delta,
Freshman Football and
Track, Varsity Track,
Student Senate



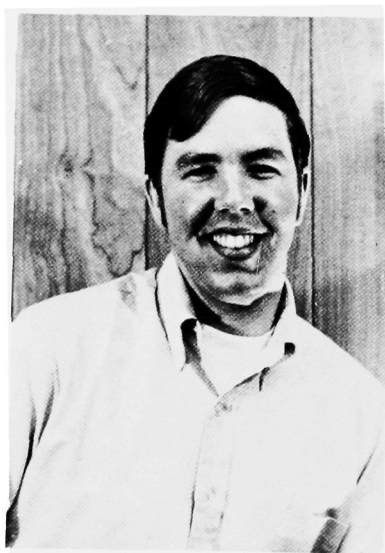
GEORGE T. HODGSON
Melrose, Mass.
Major: Forest Science
Activities: Phi Kappa Sigma,
Forestry Club, Phi Kappa
Phi, Xi Sigma Pi, Maine
Forester



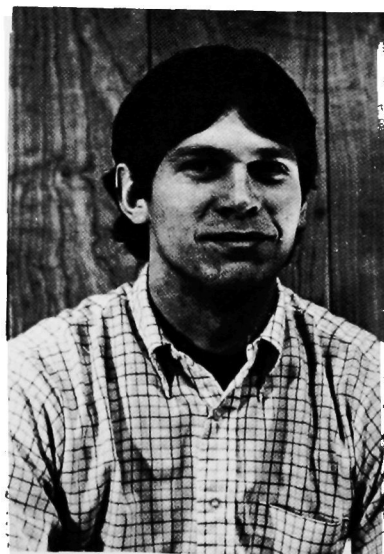
DOUGLAS B. HOMAN
Temple, Penn.
Major: Forest Management
Activities: Theta Chi,
Student Chapter of the
Wildlife Society, Maine
Forester, Varsity Track,
National Wildlife
Federation



JAMES ROBERT KEIR
Roxbury, Vermont
Major: Wildlife Science
Activities: Student
Chapter of the Wildlife
Society, Xi Sigma Pi,
Alpha Zeta, Phi Kappa
Phi, Student Affairs
Committee of the
Wildlife Society, ROTC,
Intramural Basketball,
Football, Softball, 20th
Maine, Environmental
Awareness Committee,
Wildlife Society



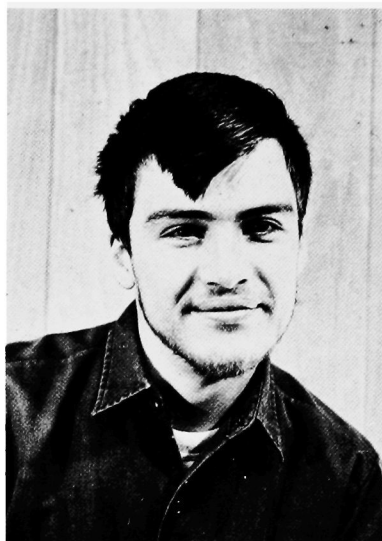
ROBERT ALAN KELLY
Syracuse, New York
Paul Smith's College
Major: Wood Technology
Activities: Forestry
Club, Xi Sigma Pi



MICHAEL JOHN KOSIBA
Chicopee, Mass.
Major: Wildlife Management
Activities: Student
Chapter of the Wildlife
Society, Varsity Basketball



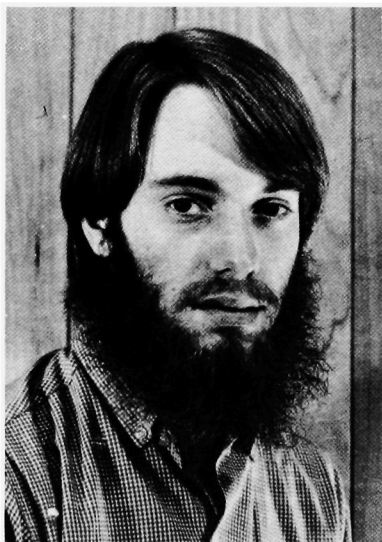
WILLIAM DODD LILLEY
New Fairfield, Conn.
Major: Forest Management
Activities: Maine Forester,
Forestry Club, Alpha Phi
Omega, Student Chapter
of the Wildlife Society,
Society of American
Foresters



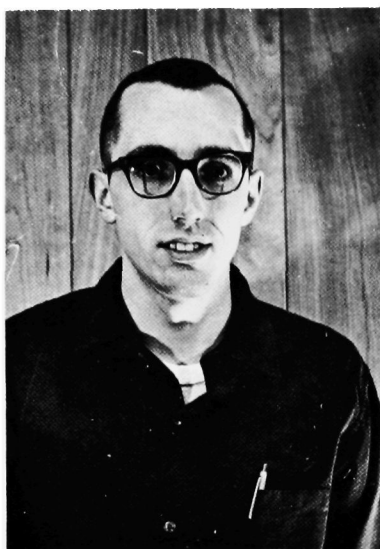
DARRYL E. LUCE
Westbrook, Maine
Univ. of Maine, Portland
Major: Wildlife Management
Activities: Student Chapter
of the Wildlife Society



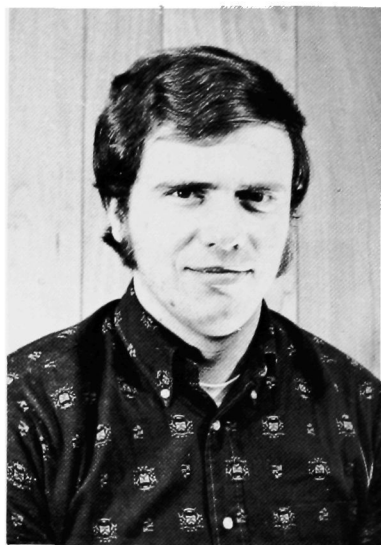
CHERYL ANN MCCALL
Pittsburgh, Penn.
Major: Wildlife Science
Activities: Student Chapter
of the Wildlife Society,
Xi Sigma Pi, The Wildlife
Society



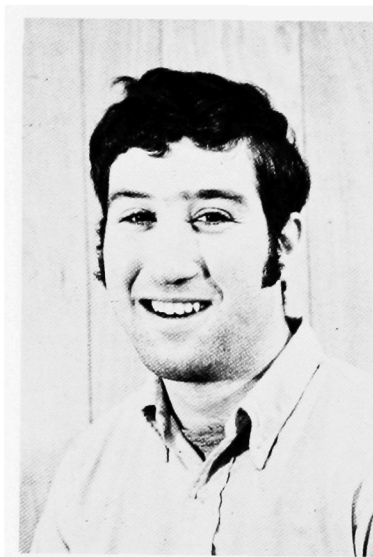
TRISTAM MANCHESTER
North Windham, Maine
Paul Smith's College
Major: Forest Management
Activities: Outing Club,
Maine Forester, *Campus*



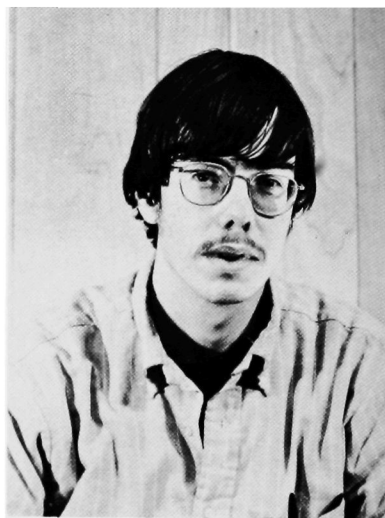
DAVID STURGIS MARTIN
Orono, Maine
Ricker College
Major: Forest Management
Activities: Forestry Club,
Maine Outing Club, *Campus*,
Maine Forester



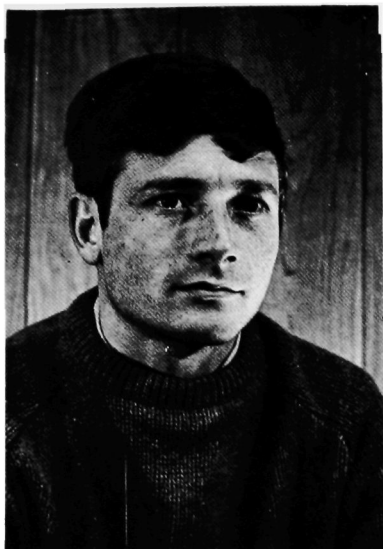
MARK ALAN MICHAUD
Ashland, Maine
Major: Forest Utilization
Activities: Maine Outing
Club, Intramural Sports



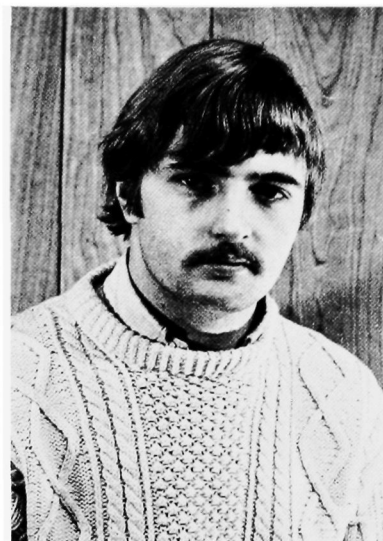
ERIC CHARLES NUSE
Warrington, Penn.
Major: Wildlife Management
Activities: Alpha Gamma
Rho, Maine Outing Club,
Maine Day Committee—Co-
Chairman, Greek Weekend
Committee, National
Wildlife Society



DAVID BROOKES PEARSON
Ivoryton, Conn.
Major: Wildlife Science
Activities: Student
Chapter of the Wildlife
Society



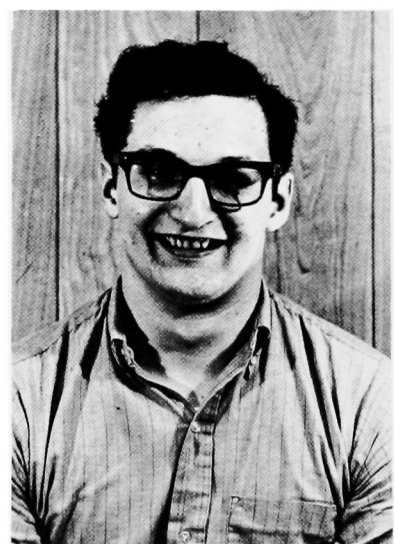
KENNETH PECCI
Bath, Maine
Major: Wildlife Science
Activities: Student
Chapter of the Wildlife
Society, Xi Sigma Pi,
American Fisheries
Society



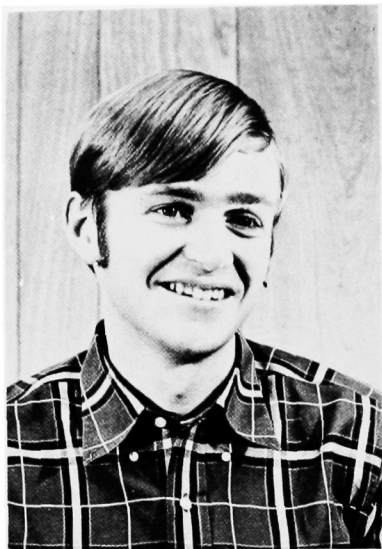
BARNABY PORTER
Waldoboro, Maine
Major: Wildlife Management



JAMES J. POTTIE
Millbury, Mass.
Major: Wildlife Management
Activities: Student Chapter
of the Wildlife Society



GEORGE R. POZZUTO
Madawaska, Maine
Major: Forest Management
Activities: Forestry Club



BRUCE DANIEL REYNOLDS
East Providence, R. I.
Major: Wildlife Management
Activities: Student Chapter
of the Wildlife Society,
Forestry Club, Alpha Zeta,
Xi Sigma Pi



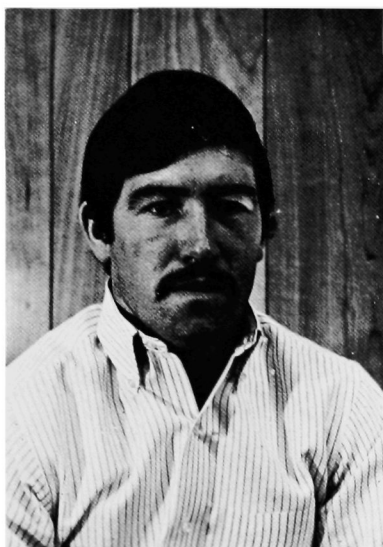
RICHARD MERRILL ROURKE
Readfield, Maine
Univ. of Maine, Augusta
Major: Wildlife Management
Activities: Student Chapter
of the Wildlife Society



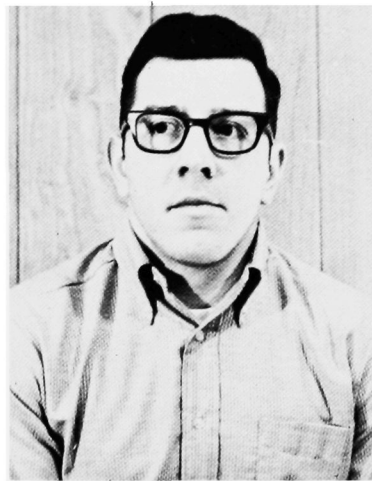
ALBERT SCHIAVONE, JR.
Shrewsbury, Mass.
Major: Wildlife Management
Activities: Student Chapter
of the Wildlife Society,
American Fisheries Society



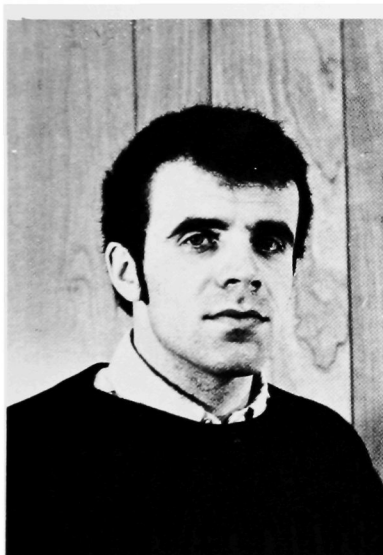
BRIAN LENARD SHANGRAW
Franklin, Mass.
Major: Wood Technology
Activities: Dormitory
Assistant and Head
Resident, Xi Sigma Pi



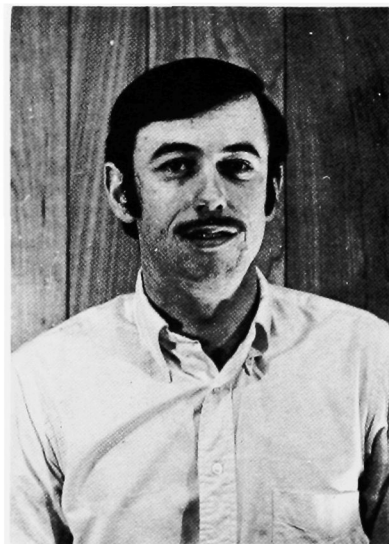
GLENN BRITTAIN SMITH
Berlin, New Jersey
Major: Wildlife Management
Activities: Student Chapter
of the Wildlife Society,
Phi Gamma Delta



JAMES E. SOHNS
Searsmount, Maine
Major: Wildlife Management
Activities: Dormitory
Activities Board, Student
Chapter of the Wildlife
Society, Wildlife Society



WILLIAM F. STEVENS
North Belgrade, Maine
Major: Wildlife Management
Activities: Phi Kappa
Sigma, Student Chapter
of the Wildlife Society,
Interfraternity Council



JAMES C. R. STONETON
Harwich, Mass.
Major: Wildlife Management
Activities: Phi Kappa
Sigma, Freshman Tennis, Maine
Outing Club, Forestry Club,
Student Chapter of the
Wildlife Society, Maine
Forester, Wildlife Society,
National Wildlife Federation,
National Rifle Association