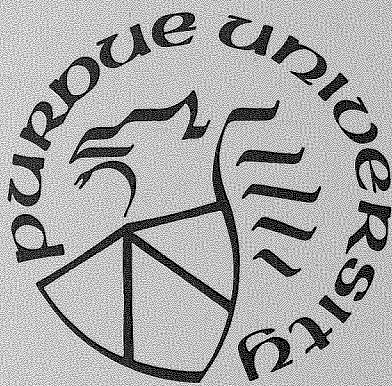


# PURDUE LOG

1969-70

Fall



**Department of Forestry and Conservation**

**School of Agriculture**

**Purdue University**

# 1970 PURDUE LOG

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## EDITORS' NOTE

This year the Purdue Log is making a change. In place of the single issue of previous years, we are publishing a Fall and Spring issue. The new Log will omit some items and include other new ones. For instance, this year's Log will contain the Alumni Newsletter and will be sent to all alumni. Hopefully, these changes will continue to make the Purdue Log an interesting and informative publication.

## VIEW FROM THE TREETOP

by

W. C. Bramble, Department Head

This is the year for reaccreditation of forestry at Purdue by the Society of American Foresters, an event that happens at about 10-year intervals. We were first accredited in 1942 as meeting requirements for training professional foresters and reaccredited in 1961.

It appears important that we take a good look at ourselves now and answer the questions: (1) Have we moved ahead since 1961? (2) How closely have we come to meeting objectives set up at that time? Fortunately, we do have a list of objectives that were written in 1961 for a presidential academic review to compare with now. At that time we set certain goals representing some realistic aims for forestry at Purdue, none of which could possibly be considered "pie in the sky".

An important major advance since 1961 has been a buildup in professional training in three major natural resource areas. We had an undergraduate enrollment in department options in 1961 of 195; 178 of these were Forestry and 17 were Wildlife and Conservation. While our projection curve indicated a probable total of 230 students by 1969, the actual enrollment in the fall of 1969 was 328 undergraduates of which 212 were in Forestry, 116 in Wildlife, and 18 in Conservation!

Another important goal in 1961 was to meet our current and pending needs for adequate laboratory and office facilities to take care of the increasing enrollment in the department. At that time we occupied about 13,000 square feet in the Horticulture Building and the Ag Hall Annex which was far below any similar accredited forestry school. We were very encouraged, however, by a statement in the 1961 Ag School Summary of Needs as follows: "the AES Annex Building when vacated by Agricultural Economics and Agricultural Statistics will be assigned to the Forestry Department". Unfortunately, this move did not take place as the building was quietly turned over to the ROTC units at Purdue. This remains, therefore, as our major unfilled goal and while we have been able to increase department space to approximately 18,500 square feet, it is obvious that we are still far below that which could be considered adequate.

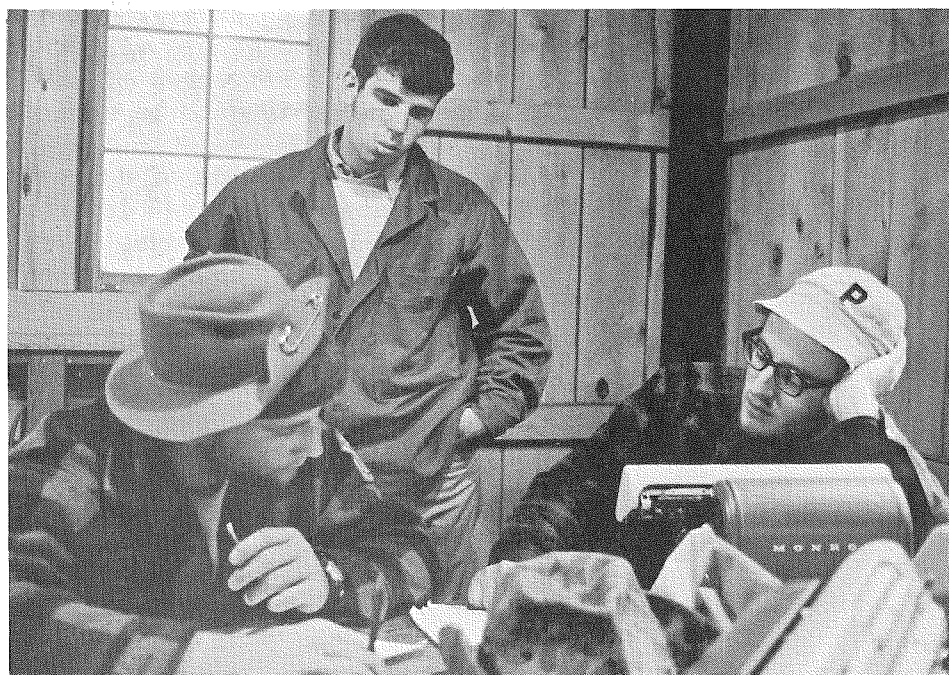
On the brighter side, we have achieved most of the lesser goals that we set for ourselves in 1961 and this has enabled us to do our usual competent job under conditions with which we have become familiar. In forest production, we aimed for a forest management lab for instruction and research. We now have two small problem-solving laboratories equipped with the latest desk calculators, key-punches, teletypes ready for connection and several advanced desk-type electronic computers. We also have added the additional instructor to our staff in the area of silviculture and forest management aimed for in 1961. To help further work in silviculture, a renovation of existing space produced a silvics lab and a small soils lab, both badly needed for research.

We set two major goals for wood utilization in 1961. The first of these, "to expand the staff so as to diversify our research efforts," has been achieved through the addition of three young faculty members to the staff. The second goal, "to find additional space," was achieved through a doubling of the wood research lab and a complete remodeling that gives us a well-equipped set of offices and research laboratories.

In wildlife we set three goals in 1961. Most important of these, "to add a fisheries biologist," was reached in 1969-'70, an event which is described in a complete article later in this issue of the Log. We have added to the Purdue Wildlife Area, a major move towards control of the pond area there. We have also taken several steps toward development of a field laboratory at the Wildlife Area, and have remodeled to produce a small physiology research lab in the Horticulture building.

In conservation, our major goal was to expand the program to meet state needs in continuing education. We have since increased our capabilities by adding a forest recreation specialist for teaching and research and a wildlife extension specialist.

To sum up our progress, the department has reached certain of its goals set in 1961 that have strengthened the department in major areas. In the meantime, new goals have been set each year some of which have been met as were those 1961 goals while others remain on the docket as unfinished business. The 1970 reaccreditation visit will help us evaluate our position and set new goals for the decade ahead when we must continue our steady advance on all fronts while hoping for a major break-through that will lead to adequate quarters for the entire department in one building.



Roger Foszcz, Mike Graham and John Ross talk over a problem in the calculating lab at Lost Lake.

## Departmental Planning Committee

by

Professor Eric Stark

At faculty meetings of the Department of Forestry and Conservation in the spring semester of 1969, Dr. W. C. Bramble expressed his desire to initiate a Department Planning Committee at the beginning of the fall semester.

The initial committee was to consist of four appointed faculty members, one from each of the undergraduate curriculum options; four graduate students to be elected from each option; and four undergraduate students, to be the President and Vice-president of the Forestry Club, the President of the Wildlife Club, and the President of Xi Sigma Pi. The Department Head would serve as an ex officio member.

The Committee was activated in September, 1969, and it is expected that it will concern itself with a variety of matters, ranging from long-range goals and plans of the Department, to consideration of policy matters affecting undergraduate students, graduate students and faculty members. Although it has no authority to make final decisions binding upon faculty or students the committee may make direct recommendations for action to the faculty.

Previously, there has been no opportunity for input by undergraduate and graduate students at the departmental level, an opportunity which now is available through the functioning of this committee. This is not to imply the committee is to function solely for the benefit of students. It shall impartially concern itself with affairs of interest and concern to undergraduate students, graduate students and faculty. It is hoped all three groups will avail themselves of the committee's services, so that the effectiveness of the Department in discharging its several obligations may continue to be enhanced.

An initial interest of the committee is an evaluation of courses and faculty in the department. This is currently done by several departments in Agriculture and is helpful to a department in a number of ways. A faculty member can use the information to improve his teaching courses. When properly sorted out it can give support to making awards for good teaching by furnishing some concrete evidence. A computer-based program for evaluation is now under study.

## Department Acquires A Fisheries Biologist

by

John Dwyer

The newest addition to the Department of Forestry and Conservation is Dr. Jerry Hamelink. Dr. Hamelink hails from Grand Rapids, Michigan, and Michigan State University where he received his B.S. and Ph.D. from the Department of Fisheries and Wildlife. While at Michigan State Dr. Hamelink's research was devoted to the dynamics of pesticides with special emphasis on DDT and its effects on fish populations.

Quail and pheasant hunting, fishing and fly-tying occupy much of Jerry's leisure time. He and his wife, Mary Jill, are the parents of a three-year old son, John, and owners of a German shorthaired pointer pup.

Starting in the fall semester of 1970, Dr. Hamelink will teach a course in Ichthyology and Limnology. This course will deal with the study of aquatic communities in relation to the chemical and physical features of the environment, plus the classification, identification and natural history of fishes. The following spring semester Dr. Hamelink will teach a course entitled Fisheries Biology and Management where students will study management implications of recreation, commercial fisheries and water pollution.

In research, Dr. Hamelink plans to work with small ponds now available on several university properties on pond fish management. He is also interested in problems of water pollution caused by heat and chemicals. In addition, the possible rearing of catfish on a commercial basis in Indiana is one of his concerns.

Dr. Jerry Hamelink



1969 LOST LAKE FORESTRY CAMP



1st row (1 to r) Dale Hirstein, Tim Keilman, Todd Beers, Ted Beers, Tom Beers, Tim Beers, Paul Erler, Ernie Miller, Roger Foszcz, Steve Von Dielingen, Dave Gruell, Ken Foszcz, and Mike Dooley.

2nd row (1 to r) John Jacobs, Tom Johnson, Mike Toole, Vicky Toole, Vicky Haskett, Dick Haskett, Mrs. C. I. Miller, Professor C. I. Miller, Professor T. W. Beers, Mrs. T. W. Beers, Jim Cook, and John Ross.

3rd row (1 to r) Andy Johnson, Ann Hadley, Beth Deatline, Dan Everage, Rick Judd, Jim Thompson, David Williams, Kent Evans, Al Richert, Randy Moore, and Terry Bonbrake.

4th row (1 to r) Jim Suptic, Dennis Mann, Jim Hunley, Ken Kirkman, Mike Graham, Jude Richardson, Randy Denman, Chuck Wesson, Russell Hopwood, Chuck Fletter, and Steve Brandsasse.

## SUMMER CAMP '69

by

Ann Hadley and David Williams

A fleet of cars and trucks and a Purdue bus left Indiana for the north-woods early last June carrying a group of eager students and staff to Lost Lake, Wisconsin. The advance contingent left Indiana on June 3rd to set up camp. The main body arrived on June 8th to start classes. Among those who came with the main body were two young ladies. Yes, you old 'uns, they have lady-foresters these days, and they go to camp!

The first three weeks we were kept busy by Professors Moser, Beers, and Miller, measuring the D.B.H. of every tree within striking distance of the camp. We also spent some time pushing the bus out of the mud, because it rained, and rained, and rained, those first few weeks.

Despite the hectic pace of the work in June we managed to catch a lot of trout and bass, but no muskies. So many were caught that when Dr. Bramble came there weren't many left for easy taking.

After the Fourth-of-July weekend, when all those who were married (or nearly married) rushed home for a quick weekend, the pace slackened and there was more time for fishing, drinking, and swimming. (Not necessarily in that order). Some students and staff also took canoe trips on the Pine River and the Brule River.

By mid-July the conclave with Michigan, at their camp, was drawing near and every evening cries of anguish splintered the peaceful dusk as birlers fell off the practice log. The areas around the cabins were covered with wood chips as axes were tried out. And the field behind the staff cabin was partially cleared for the log roll. All this preparation, and much more, paid off because we decisively won the conclave. A terrific ice-cream social followed.

Throughout the camp Dick Haskett maintained his 'cool', for which we thank him. A sincere word of praise and gratitude should also go to Mike and Vickie Toole who did a good job of feeding us throughout the camp.

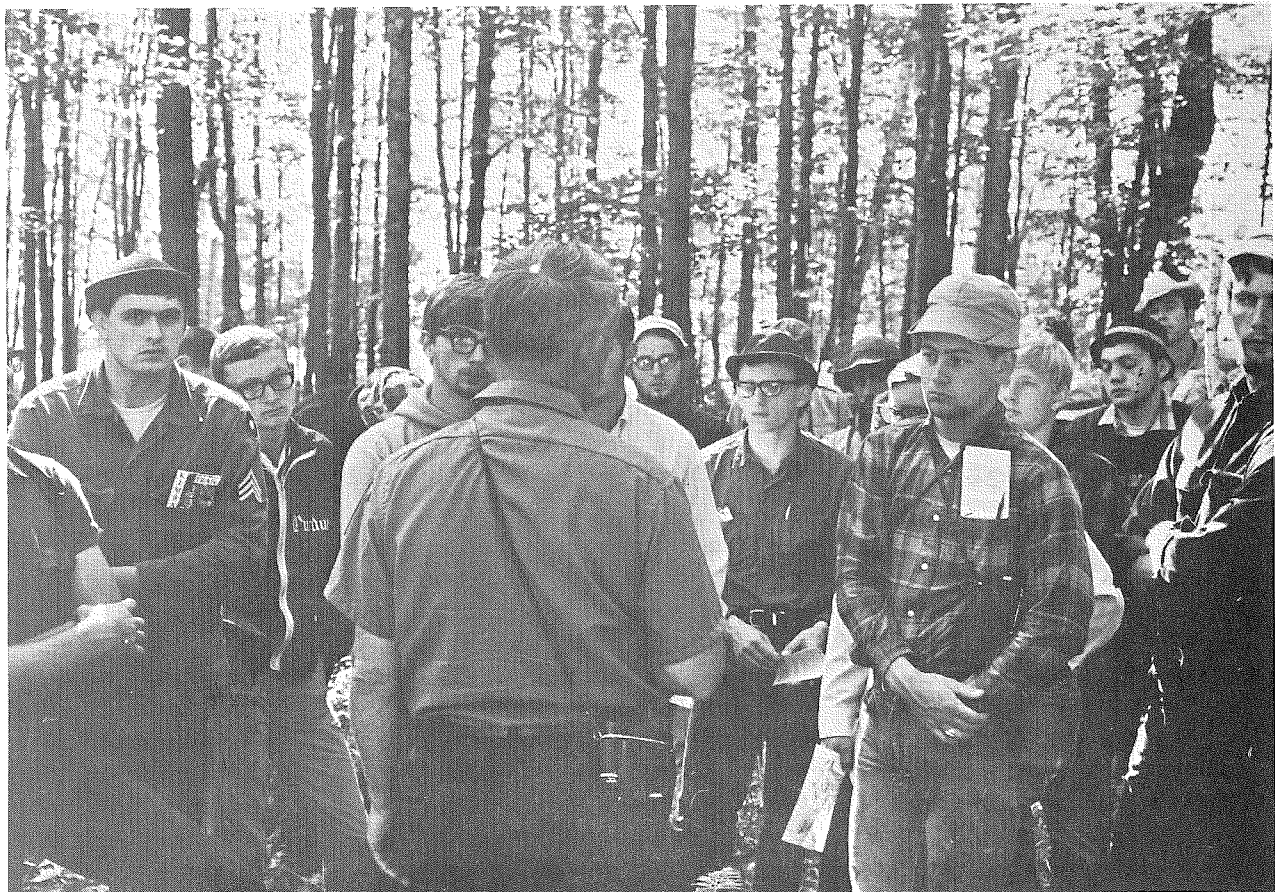
Professor Kirkpatrick tried to install some knowledge of wildlife management in us, with the aid of his graduate student Tom Hoekstra, and a few deer pellets. It was during these few days that we learned that a mink can be caught in a mouse trap, providing it has been suitably treated to six months in a deep freeze, and is coaxed into the trap in the middle of the night.

The last three weeks were spent on silviculture and forest soils with Professors Merritt and Byrnes, and wood-using industry trips with Professor Eckelman.

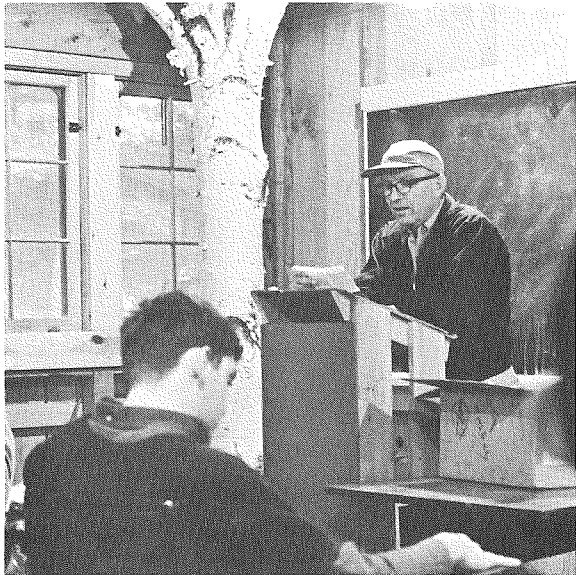


The Foszcz Brothers had almost completed their carved feminine masterpiece, under the professional guidance of Jim Thompson, when Bud Miller knocked off the left ---. A spike soon fixed that. Mike Dooley saw "all de whoop-whoops in de world" while he was there, but Randy Demman contradicted him and said, "It ain't no biggie." Ann Hadley survived even though her sick chipmunk didn't. Cabin 6 nearly had a big basswood fall through their roof during the near-hurricane storm which passed through the camp one evening. Andy Johnson and Company got the time for a run around the lake down to 10 minutes, and Jude Richardson beat all times for chopping. Mike Graham held the record for the longest wait, and the heaviest weight. Chuck Wesson probably got the most food for his money. Ken Evans found a deer which had a strong affinity for the front of his car. Chuck Fletter's car seemed to find something interesting in Chipmunk Rapids, and there was another deer who liked the front of Chuck's car at the Michigan ice-cream social, but the Foszcz Brothers enticed her away. The camp lawn mower gave Dale Hirstein a lot of trouble. Steve Brandsasse caught "the biggest trout in all the world".

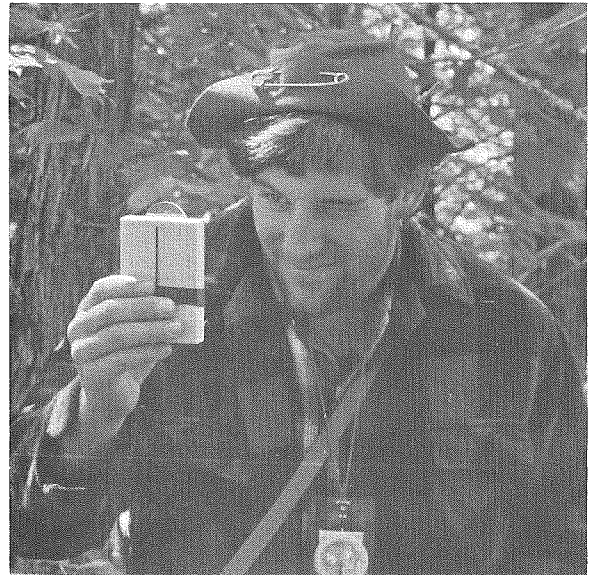
Just before we came home all the student fishermen polled their catches and Jane, of "Bill and Jane's", Long Lake, fixed us a big fish fry, and she even threw in some fried chicken. After this there wasn't much else to do except pack our bags and wait for camp to end, and then it was back to Indiana and work until the Fall semester began.



The 1969 Summer Campers appear overjoyed at the start of another lecture.



A word for the day from Charlie.



Roger Foszcz eyes the infamous Purdue prism.



Andy Johnson examines one of the interesting species of the spruce bog.



Dick Haskett lectures on the edge of Lost Lake.

## The 1969 Mid-Western Foresters' Conclave

by

Larry Snyder and Mike Coggeshall

Twenty-six Purdue foresters, including four cheerleaders and Mr. and Mrs. Charlie Miller spent Friday, October 10, traveling to Michigan Tech University at Houghton, Michigan, for the annual Mid-Western Foresters' Conclave. The trip was long and hard, but everyone arrived safely and eager for the competition to begin.

Saturday morning dawned cold and rainy, but spirits were high as the competition began at 8:00 a.m. with dendrology and the compass traverse. Randy Moser started Purdue off right with a tie for third place in dendrology, an event in which the host team took the other three places. At 8:30 Purdue's tobacco spitters tried their luck, but were outclassed by the popple peelers of Minnesota. This was followed by the chain throw, held in a cold drizzly rain. With frozen fingers and wet chains Phil (Skinny) Pickett and Mike (Trapper) Coggeshall took second and third places respectively, adding five points to Purdue's score.

At 9:00 Jim Barnhart and Larry Jones showed the Mid-west foresters how to roll the log by taking first place. Chopping was next, but the competition was too keen for Purdue's axemen. The last event before lunch was the two-man buck. Jude Richardson and Randy Derman turned in a respectable time of 38.5 seconds on the 14-inch squared red oak, but were outclassed by the University of Michigan with a fantastic time of 19 seconds flat.

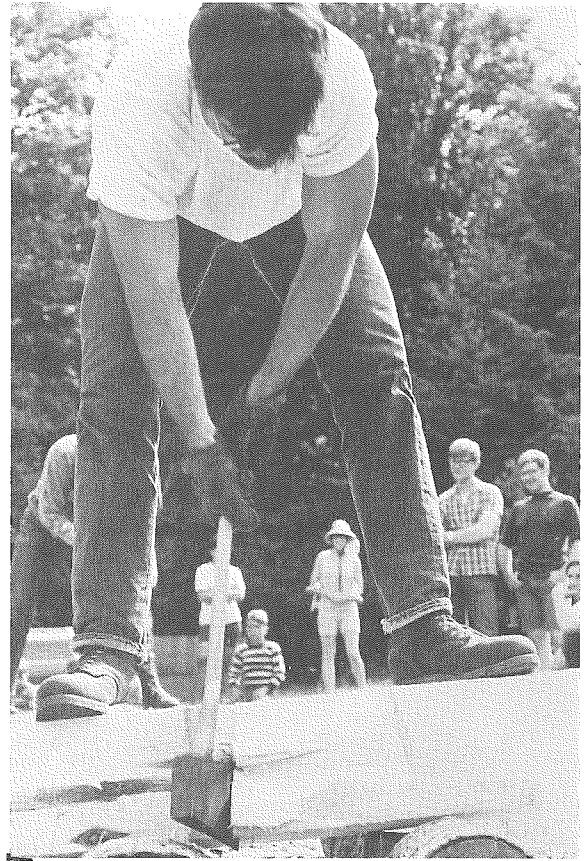
After an hour break for lunch, competition resumed at 1:00 p.m. The afternoon began with the match split and bolt throw where big Jude Richardson took third place in the latter. Next was the one-man buck. Jude led for a while but was later outdone by another expert sawyer from the University of Michigan.

Last but not least was the special event in which Purdue's team of Jude Richardson, Jim Barnhart, Ken Foszcz and Marshall Graham placed second behind the University of Michigan. Purdue finished fourth overall with  $15\frac{1}{2}$  points behind first place Michigan (38), second place Minnesota (23) and third place Southern Illinois (20).

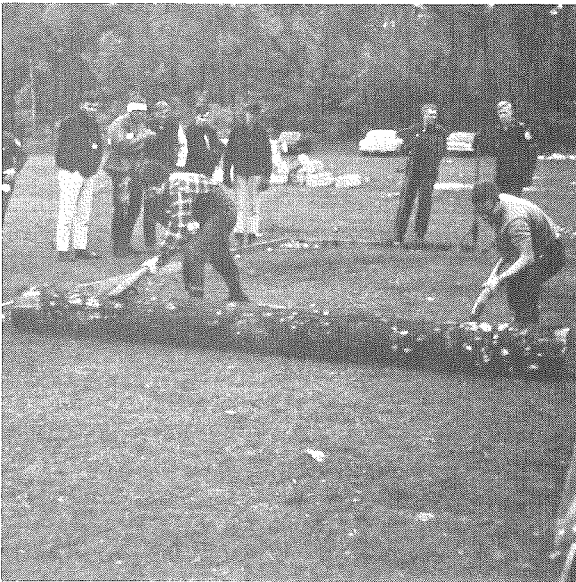
Much thanks is due to Chairman Lou Best and the other Michigan Tech men for their excellent job of organizing and coordinating the conclave. Plans are already underway for next year's conclave to be held here at Purdue, and included in those plans are a much higher finish for the Purdue team.



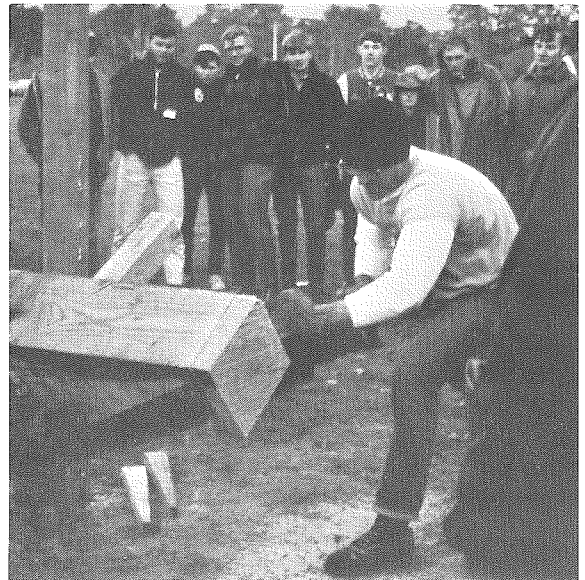
Phil Pickett attempts to split the match.



Jude Richardson sinks his ax into a 10-inch square aspen block.



Larry Jones and Jim Barnhart capture first place in the log roll for the second consecutive year.



Jude Richardson nears the end of the one-man buck.

## Checking Stations, Wildlife Biologists, and the Deer Hunter

by

Steve Ruckel

The rain had pelted down intermittently all day. Pushed by a gusting wind, it stung the face and splattered against heavy, rubber raincoats. "OK, you guys, let's get that big buck next. Need some help? Easy does it. Right here on the scales."

"Alright, John, make him smile." A heavy L-shaped bar forced the buck's mouth open. Three smooth cuts and a twist of the knife blade extracted the two middle incisors.

Light was fading, the three lines of cars waiting at the checking station were growing longer, and fingers and toes were losing their sense of feel. Feet, enclosed in blood-splattered boots, move methodically from the scales to the waiting vehicles. Arms and backs ached, and groans from lifting heavy animals were more frequent.

"I've been waiting in this danged line for an hour now. I don't see any sense in these checking stations anyway. Waste of time if you ask me. Say, did you fellows volunteer for this job? I'll tell you one thing -- if I've got anything to do with it, you boys won't have to do this next year. Nothin' but a waste of time . . ." Sounds of a tired, hungry deer hunter at dusk.

The "boys" he was referring to were a group of Purdue University students, including Tom Hoekstra, graduate research assistant on deer research at Crane Naval Depot and two faculty members. They were only a part of some forty-six students and five faculty members who participated in the deer check at Crane Naval Ammunition Depot during the 1968 deer hunting season.

The checking station procedure boils down to six main operations - weighing, sexing, aging, checking for markers, taking ovaries and uteri of females, and removal of the two front teeth of all adults.

In producing any product, it is advantageous to know all about the product and anything that might affect its production, whether it be deer, corn, or hula-hoops. The farmer learns all he can about corn, its life cycle, nutrient and water needs, and its preferred climate. He experiments with new varieties and techniques and tries to produce a higher yield.

So it is with the Wildlife Biologist. He studies deer, learns their life cycles and preferred habitat. And, like the farmer, he experiments with new techniques in management. All this with one goal in mind - maximum production of deer that the land can support, not only for the hunter, but also for the year-around enjoyment of the public.

In short, the deer checking station is only a part of the entire deer research program at Crane, a program designed to learn as much as possible about the ecology of the white-tailed deer.



While one animal is being processed, another is waiting its turn.



Student removing teeth to be used for age determination.



Purdue students hoisting a fine buck.

## Lake States Forest Soils Workshop

by

Professor W. R. Byrnes

The sixth annual meeting of the Lakes States Forest Soils Group was held on October 27 to 29, 1969 in west central Indiana with headquarters on the Purdue campus. The workshop was sponsored jointly by the Agronomy and Forestry Departments of Purdue University and the Soil Conservation Service. Dr. W. W. McFee, Purdue Associate Professor of Agronomy, Mr. J. O. Holwager, Soil Conservation Service, and Dr. W. R. Byrnes, Purdue Professor of Forestry served as co-chairmen of the program. Approximately 50 people from Indiana, Illinois, Minnesota, Missouri, Wisconsin, and Ontario, Canada participated in the workshop. Purdue Forestry alumni attending the meeting included W. D. Bakeis ('65), R. D. Burke ('60), J. F. Datena ('50), L. R. Frye ('63), G. Gretter ('64), B. Hamrick ('61), R. W. Koenig ('56), D. O. Layton ('63), D. H. McGuire ('50), C. Medvick (M.S. '58), and G. H. Weaver ('64).

The Lakes States Forest Soils Group is composed of foresters and soil scientists concerned with forest-soil relationships and problems. The objective of this "Group" is to provide an environment for informal discussions and to create a dialogue among participants with a common interest in forest land management. An endeavor is made to expose the members to local situations in different parts of the Lake States Region and to strive for new approaches in the utilization of soils information. Previous meetings of this "Group" have been held in Michigan, Wisconsin, and Illinois.

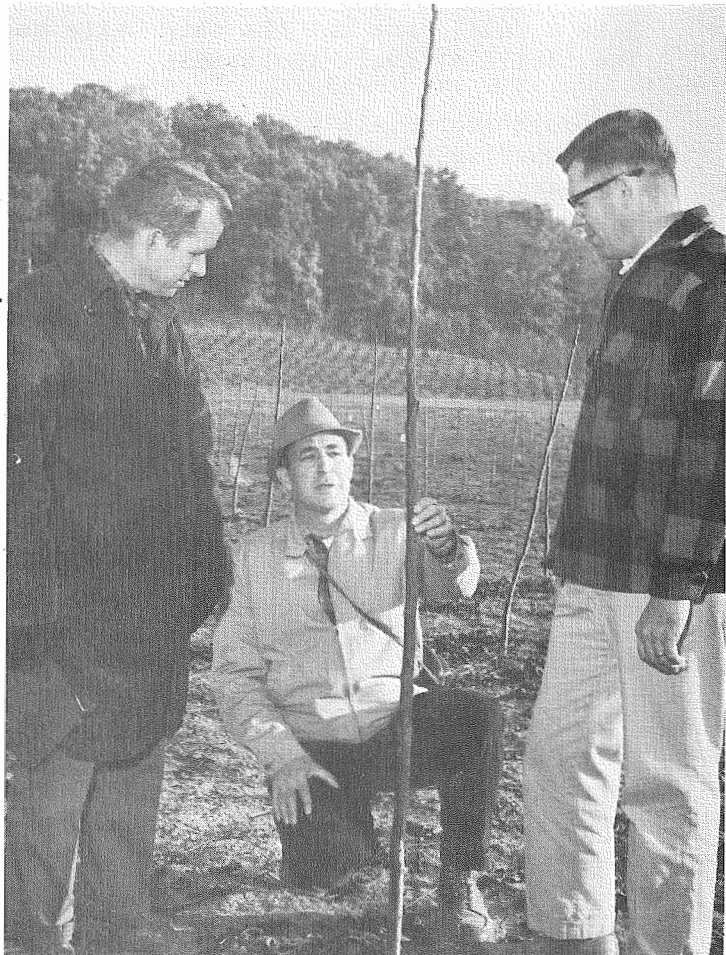
The Indiana meeting was opened with orientation lectures on "Soils and Geology of Indiana" by Mr. Raymond Dideriksen, Indiana State Soil Scientist, Soil Conservation Service and "Natural Vegetation of Indiana" by Dr. A. A. Lindsey, Professor of Plant Ecology, Purdue University. These lectures set the tempo for a two day field program to observe forest-soil relations in natural hardwood stands and in hardwood and conifer plantations on bottomland and upland soils developed in Wisconsin glacial till. Soil profiles were described by Professors H. P. Ulrich, D. P. Franzmeier and W. W. McFee of Purdue's Agronomy Department and Mr. Ralph Sturm and Raymond Dideriksen of the Soil Conservation Service.

Growth and development of central hardwoods in natural stands and planted forest openings were discussed in respect to properties of supporting soils at the Purdue Cunningham and Darlington Woodlands. Soil characteristics and tree rooting potential were observed in exposed profiles of the Miami, Russell, Fincastle, Brookston, and Hennepin soil series. A lively discussion centered on the role of conifer plantations in amelioration of degraded agricultural soils and the subsequent use of such sites of hardwood species. The general concensus was that conifers did improve the site from the standpoint of physical, chemical, and biological properties of the soil. Dr.'s T. W. Beers and C. Merritt, Purdue Professors of Forestry and J. O. Holwager, Soil Conservation Service, were discussion leaders.

Investigations on establishment, culture and propagation of black walnut, tulip poplar and cottonwood on bottomland sites were observed and discussed by W. R. Byrnes at the Purdue Shidler Forest. Major interest was focused on fertilization trials in young black walnut plantations and the genetic improvement of black walnut through superior tree selection, vegetative propagation, and one-parent seedling progeny studies.

According to Dr. W. F. Beineke, Purdue Assistant Professor of Forestry and Mr. W. J. Lowe, Graduate Assistant in Forest Genetics, the black walnut resource is being depleted to the point that identification and preservation of genetically superior walnut is essential to the next generation of walnut. To date some 65 superior trees from throughout Indiana have been selected for study. Forty have been preserved by grafting at Shidler so that even if the original tree is cut, the genetic makeup survives. These grafts will be used in future breeding tests to determine if the selections are truly genetically superior in various traits. The one-parent progeny tests provide information on the inheritance of certain characteristics and the probable superiority of the parent as a producer of outstanding seedlings.

Examining growth response of two-year old black walnut in fertilization trails on Genesee soil at Purdue's Shidler Forest are (from left) Dr. Robert Phares, North Central Forest Experiment Station, U.S.F.S., Carbondale, Ill.; Dr. W. R. Byrnes, Purdue Professor of Forestry, and Mr. Larry Frye (Purdue '63), American Walnut Manufacturing Association and Fine Hardwoods Association, Columbia City, Indiana.





## The Lumberjack's Lament

"I have worked in the woods from coast to coast,  
Took in every saw mill town,  
On the snow clad hills of eastern Maine  
I have chopped the tall pine down;  
From California's Golden Gate  
To Florida's flowery beds,  
Felled the Douglas Fir in Washington,"  
This retired logger said.

"I would like to go where the tall pine grows  
Once more with my old pet axe,  
And my shoulders square in the bracing air  
Of the mighty timber tracts;  
I would like to whet my double bit  
And fell a giant tree,  
Have the flying chips like a maiden's lips  
Throw kisses back to me.

"Once again I'd feel my Kelly steel  
Cut true as a perfect die,  
As the polished bits throw out the chips  
At the will of the woodsman's eye;  
Then I'd raise the call as it leans to fall  
And swing my trusty axe,  
Like a fatal dart cut the thin white heart,  
The thrill of every lumberjack.

"I would meet again with stalwart men  
Like Charlie, Tom, and Saul  
And match my axe with their muscled backs  
Where there are trees to fall;  
And my heart would sing at each husky swing  
As she sinks in the wood like wax  
Where God gives strength a breadth and length,  
Give me a Kelly Axe.

"I would like to go where the clean white snow  
Puts steel in the souls of men,  
Where Mackinaws dull the north winds claws,  
There I could live again;  
There the white chips sprayed by my Kelly blade  
From many a towering tree,  
And I would ask no more out of God's great store,  
If this could be given to me."

By Paul "Bunyan" Criss

## ALUMNI NEWS

1931 Theodore Agnew, or "Pinky", crossed paths recently with Professor Brundage in West Lafayette and they reminisced about the early days of forestry. With five staff members and a student body of 35, it was not difficult to know everyone then on a first name basis.

Agnew has been working with Purdue musical organizations for the past thirteen years and can be found in the offices of that organization in the Hall of Music.

1933 Walt Nicewander, who served at "Trees for Tomorrow Camp" in Wisconsin for seven years, has returned as Camp manager. He is a graduate of Purdue University. Now that the Camp has closed, he is drawing up guide lines for the 1970 workshops and is preparing management plans.

1936 Harry C. Haines, is now Research Administrator at the Bartlett Tree Research Laboratories in Charlotte, North Carolina. His new address is Route 1, Box 54, Pineville, N. C. 28134.

1938 Dr. Charles S. Walters, professor of Wood Technology and Utilization, Department of Forestry, University of Illinois, Urbana, Illinois was elected President by unanimous acclaim at the recent 65th annual convention of the American Wood-Preservers' Association in Denver, Colo.

Dr. Walters was born in Detroit, Michigan - but was "fetched up" (as he expressed it) in central Indiana, Knightstown. He married, Barbara Ann Pickett a product of Greenfield High School and Purdue, in 1939. They have two sons both who are married and have continued their education at Western Illinois University.

1941 Harold S. Winger, has been appointed manager of International Paper Company's Panama City Woodlands Region. He will move to the region headquarters in Panama City, Florida from the corporate offices in New York City where he has been serving as assistant to the general manager of woodlands since 1964. Winger will be responsible for supplying pulpwood requirements for the company's pulp and paper mill in Panama City and managing company timber lands in the region. With a degree from Purdue University, he joined International paper in 1945. He served in various capacities in the Woodlands Department in Mississippi, Texas and Arkansas. In 1963 he was named assistant chief forester for the Southern Kraft Division, Mobile, Alabama. He was promoted to chief forester for the division in August of that same year.

1942 Wesley S. Wallace visited Professor Michaud last summer. He is now President of the Whiteville Plywood, Inc., in Whiteville, North Carolina.

1950 Clifford R. Faulkner is now Chief, Branch of Timber Management, Division of Cooperative Forest Management. He has worked tours with the Forest Service in Region 8; ten years in the field and five in S & PF at Atlanta; two years in S & PF in Washington, and one year in Upper Darby. Several months ago he was in Indiana and hoped to see some of

1950 Clifford R. Faulkner -- continued

the faculty but all of his time was spent in southern Indiana. Meanwhile, he would have liked to say howdy to Charlie Miller, Eric Stark and any of the rest of the "old guard" who are still around.

1950 Robert Mitchell writes that he has been in Western Oregon for the last 16 years, and for the past 14 years he has been employed by the Bureau of Land Management. He is District Cruiser/Appraiser for the Roseburg District. Their annual cut is 260 million bd. ft. The majority of their sales are sold on a 100% cruise, but they have been using a new sampling system known as 3P.

In the late winter or spring, he will cruise 130 acres of hardwood timber in Southern Indiana. This timber is a part of an estate in which he has an interest. The predominate species will be white oak with some red and black oak. He intends to visit Purdue when he gets back to Indiana.

1952 Mark P. Coughlin received and accepted an offer as a geodesist GS-11 with the Naval Oceanographic Office in Suitland, Maryland. The job will entail travel approximately 2 months per year and offers good opportunity for promotion. The first two weeks consisted of Theory, Operation and Maintenance of the Navy Satellite equipment ANSRN-9. The school was conducted at John Hopkins University in Applied Physics Laboratory, Silver Springs, Maryland.

1963 Gary McCoy writes Professor Miller that he is assistant staff officer in recreation, land, and wildlife in the supervisor's office of the South Tongass National Forest in Ketchikan, Alaska. He is married and has 2 boys. He likes it in Alaska and feels that up there a forester has a better chance to be on his own rather than follow "cook book" procedures.

Jim Criswell was in A-10 but has gone with private industry in the Pacific Northwest. Dave Waltz left R-10 to go back to school. Fred Harnisch works just across the room. Gary calls it the "Purdue Room." He wanted to say hello to all of the staff of the 1959-68 vintage.

1963 Fred Harnisch is working as a Visitor Information and Conservation Education Forester for the Forest and finds it interesting work, especially when nothing has been done there as yet -- all sorts of potentials! Fred writes that he has shot one goat with 10 inch horns. He also writes that he and Gary McCoy went fishing sometime last October and landed 17 steelhead (average 10 lb.) They kept six to take home. They were some 20 water miles from Ketchikan and the weather was great; they have been doing some skin diving for abalone and crabs - great fun and great eating also.

1963 Gary Rundell and wife visited the Department in November while on a vacation from his post in Washington D. C. Gary is still with the Bureau of Land Management and has been promoted to the Washington Office.

- 1965 Jerry L. Lauer will be discharged in March and looking for a job in forestry. He is primarily interested in the Pacific Northwest in industry; rather than Federal or state service.
- 1966 David Reynolds received a research appointment to the University of Wisconsin and is working on root rot which in the recent past has been a major problem in Wisconsin forest nurseries and elsewhere.
- 1969 John Bertram writes that he is working at MacMillan, Bloedel Limited as an engineering assistant at their Kelsey Bay Division. Anyone visiting Canada please stop in and see John at work and he will be glad to show you their logging operation.
- 1969 James R. Lathrop writes Dr. Kirkpatrick that he is employed with the Boy Scouts and finds it very rewarding so far. Most of his work is with people and he is finding his background most helpful. The people he works with in the "field" are the best of character but one finds it difficult in recruiting help as the work is on a volunteer basis. Its great to find parents who really care about their children. He states that he believes that he has turned into a wildlife consultant in the area since just about all of his cubmasters and scoutmasters dearly love not only to hunt and fish but the outdoors as well. One of his committee chairmen in one of his troops is a Sr. Wildlife Biologist and a great fellow. Jim believes he has wildlife in his blood.

#### DEPARTMENT NEWS

Miss Mary McDowell, who for many years was secretary in the Forestry and Conservation Department having retired in the summer of 1959, was on campus for a short time on October 21 (1969) and dropped in the office to say hello. Miss McDowell's present address is Asbury Towers, Box 207, 102 W. Poplar St., Greencastle, Indiana 46735. She looked very sprightly and alert and I am sure found a few changes about the office -- and no doubt in the University as a whole!

Miss McDowell would no doubt appreciate a note or a card from anyone this Newsletter reaches who knows and remembers her.

The Visiting Scientist program brought to our campus this year Dr. J. M. Way, Winston Churchill Memorial Fellow, Monks Wood Experimental Station, Abbots Ripton, Huntingdon, England. Dr. Way is concerned with the effects of agricultural and industrial uses of herbicides on wildlife. Dr. Joseph J. Hickey, Professor of Wildlife Ecology, University of Wisconsin, subject was "Birds and Man: The Mounting Threat of Chemical Pollution"; Mr. Victor P. Miniutti, a Research Forest Products Technologist at the U.S.D.A. Forest Products Laboratory at Madison, spoke on "Reflected Light and Scanning Electron Microscopy of Wood Surfaces". Mr. Kenneth B. Pomeroy, Chief Forester, American Forestry Association, Washington, D. C., spoke on "Natural Resource Conservation - Issues and Politics". Dr. M. T. Tantom, Department of Forestry of the Australian National University, Canberra, Australia visited with the faculty last October.

ATTENTION: ANNUAL FORESTRY & CONSERVATION BANQUET

The Annual Forestry and Conservation Banquet will be March 6, 1970, at 6:30 p.m., at the Trails. The speaker will be Hardy L. Shirley, Dean Emeritus, New York State College of Forestry.

This banquet is really special! It will honor Professor Roy Brundage for 40 years of service to Purdue University. Roy will retire July 1, 1970. So we invite you to come to the banquet and pay your respects to Roy. Tickets may be obtained from C. I. Miller, Department of Forestry and Conservation, Purdue University, Lafayette, Indiana 47907. Ticket price is \$3.50.

Dr. John F. Senft attended a conference on Tropical Hardwoods at New York State College of Forestry at Syracuse, New York, on August 18-21. The 200 conference attendees included numerous national and international experts on tropical woods. All aspects of tropical hardwood use were discussed, including native and tropical hardwood timber supply, physical and mechanical properties of 120 tropical species, problems in procurement, transport and use of various species, and predictions for the future. Supplies of our native hardwoods, except for walnut, were acknowledged to be adequate for approximately the next ten years; after that time, the increasing demand will require the use of more and more imported species. Trade channels are relatively well developed to African and Southeast Asian suppliers, but South American sources are poorly developed, primarily due to the large number of little-known species which grow in mixed stands, often containing 100 or more species to the acre.

Dr. Senft also attended the annual meeting of Committee D-7 on Wood at Madison, Wisconsin, September 22-23. This committee, part of the American Society for Testing and Materials, studies problems pertaining to lumber grading standards, wood and timber testing methods, and other aspects of wood use ranging from preservative treated wood poles to laminated beams. Dr. Senft presented a Task Group report on the Random Products method of deriving stress grades for structural lumber.

Dr. Jerry Hamelink, a recent graduate of Michigan State University, has joined the Department of Forestry and Conservation staff at Purdue University. He presented a paper entitled "Exchange equilibria proposed to control biological magnification of chlorinated hydrocarbons in lentic environments" at the recent American Fisheries Society meeting in New Orleans. The paper was based on results from his doctoral thesis entitled "The Dynamics of DDT in Lentic Ecosystems." For his presentation he received the best student paper award from the society.

Dr. Thomas W. Beers and Dr. John W. Moser attended an International Symposium on Statistical Ecology at New Haven, Conn. from August 21 through August 28, 1969. It was sponsored by the Ford Foundation, U. S. Forest Service, Yale University and Pennsylvania State University. Papers and discussions were given in the areas of modeling biological populations, statistical distributions, population dynamics, systems analysis and sampling biological populations.

During the summer of 1969 two girl forestry students attended Purdue's Lost Lake Forestry Camp, which is located in the Nicolet National Forest Wisconsin, in a rather isolated area. Some students, and some staff, thought the girls were distracting, and should not be in Camp. But some thought they created no problems. Time will tell!

Michael O. Hunt, Assistant Professor of Wood Science, was an invited lecturer for the "Conference on Theory and Design of Wood and Fiber Composite Materials" sponsored by the University of Washington, June 9-14. Objectives of the conference were: (1) to explore the characteristics that the various composite systems have in common; (2) to examine theoretical methods of study and design for these systems; (3) to illustrate the present use of theoretical concepts for studying the composites currently being manufactured; and (4) to examine newer composite systems. Hunt's paper, "Finite Element Analysis of a Flake-board", reported on a technique to predict the elastic properties of particle board. Attending were research and development personnel from universities and industry in the U. S. and Canada.

W. R. Byrnes and W. C. Bramble participated in the International symposium on "Ecology and Revegetation of Drastically Disturbed Areas" held at the Pennsylvania State University on August 3-16, 1969. Two papers submitted as contributions to this program were:

Natural Revegetation and Cast Overburden Properties and Surface Mined Coal Lands in Southern Indiana by W. R. Byrnes and J. H. Miller.

Small Mammals on Surface-Mined Land in Southern Indiana by R. E. Mumford and W. C. Bramble.

Dr. John C. Callahan attended the early September meeting of the Midwest Forest Economists in Madison, Wisconsin, Charles Taylor, a Ph.D. student in Outdoor recreation, also attended the Annual meeting of this prestigious organization.

Jack also recently marketed 100,000 board feet of prime red oak from a 12-acre woodland near Michigan City. All trees sold were earning no more than 4% per year interest and all were larger than 20" dbh. The woodland is owned by Green Hills, Inc. of which Jack is vice-President. The timber was purchased by Pike Lumber, Co. Akron, Indiana.

Dr. Walter Beineke and graduate students William Lowe and Charles Masters attended the Tenth Southern Conference on Forest Tree Improvement at Houston, Texas in June. Beineke and Lowe gave papers concerning selection of superior trees in black walnut and grafting techniques for black walnut. In addition they visited the Southern Hardwood Research Lab at Stoneville, Miss., the Southern Institute of Forest Genetics at Gulfport, Miss., and the Texas Forest Service genetics research projects at Alto, Texas.

Dr. Durward Allen and his research on wolf and moose relationship on Isle Royale appeared on a recent NBC TV documentary "The wolf men" that has attracted wide attention. We plan to have a showing of a film version at Purdue on January 21.

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## An open letter to Purdue Foresters from Jim Craig, Forestry '36



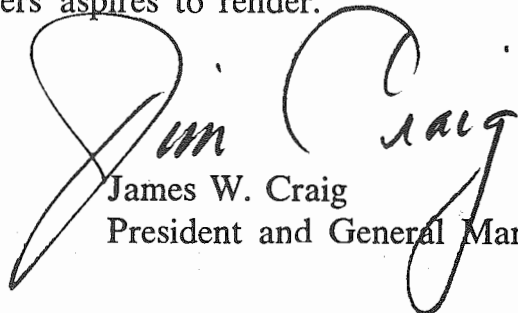
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