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## The Knothole, December 5, 1968

SUNY College of Environmental Science and Forestry Student Body

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HOVERTER MEMORIAL  
ARCHIVES

# KNOTHOLE

VOL 19 NO. 5  
DECEMBER 5, 1968

## PHYLLIS ROSKIN MEMORIAL AWARD FUND

The friends of Phyllis Roskin at the College of Forestry would like to ask your help in establishing a "Phyllis Roskin Memorial Award." Phyllis, a graduate student in the Department of Forest Botany and Pathology, died suddenly September 16, 1968. She had completed the course work, language requirements and qualifying examination for the Ph.D. degree and had only to finish the research for her thesis. She was especially interested in mycology and electron microscopy, and her thesis problem, under Drs. J. L. Lowe and W. A. Cote, was "The Ultrastructure of Selected Lichens."

Phyllis received her B. S. degree from the University of Miami and her M. A. from the University of California at Berkeley. From 1964-1967, she was an instructor in biology at the Pennsylvania State University at Altoona. In September 1967, she came to the College of Forestry to begin her Ph.D. work. Because Phyllis was concerned with stimulating interest in science through her teaching, we would like to create an award in her memory. The "Phyllis Roskin Memorial Award" would be given annually to an outstanding Junior or Senior woman at the New York State College of Forestry with priority being given to a student in the Biological Sciences. We would like you to help us make this award possible. Please send your contribution to:

"Phyllis Roskin Memorial Award Fund"  
Student Services  
New York State College of Forestry  
at Syracuse University  
Syracuse, New York 13210

or leave your donation in the Botany  
Office, Room #350, Illick Hall. Con-  
tributions are tax deductible.

Thank you very much.

C. J. K. Wang  
John L. Morrison  
Dorene Lyon  
Edson Setliff

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### "The Knothole"

Editors "The Knothole":

As one of the few "old timers" still left around here, I should like to comment on the statement by Professor <sup>WALTON</sup> in the last (no date!) Knothole, that "The College of Forestry is no longer a tiny appendage to Syracuse University." We were never that!

From the very first, we have been the New York State College of Forestry AT Syracuse University. Furthermore, for more than 50 years we have not been "tiny" in any sense of the word. Dean Baker selected a remarkable group of department heads who were soon known nationally and internationally for their pioneering work in their special fields. They and their associates and students laid the foundation for what we have today.

Each generation thinks, and "feels in its bones" that nothing important ever happened until "it" came on the scene. This is human nature. Historians must be greatly amused by this trait. Wm. H. Harlow

## SCIENTISTS SEEKING TO CONTROL FOREST FIRES

Fighting fire with fire is more than an aphorism these days for two professors in the Mechanics Department at the State University's Center at Stony Brook. They are starting fires in their laboratories in a computerized effort to discover how to help control forest fires.

Their findings, including a "Fire Spread Theory" now being readied for publication, may help predict the ways in which fires spread through the nation's woodlands, destroying four million acres at a cost of \$1.5 billion last year alone.

Grants totaling \$81,000 from the U. S. Forest Service and the National Science Foundation are financing the study by Drs. Abraham L. Berlad and Richard S. Lee. Both just returned from the Combustion Institute's 12th International Symposium in France where a paper was presented describing the latest experiments.

**SIMULATING THE REAL THING.** Under controlled conditions, they are simulating most aspects of a real fire, including the introduction of variables such as crosswinds, explosions, convection currents and air pockets, all scaled down to size. Then, by observing certain results, they gather data to be fed into computers and processed to predict what would happen under similar circumstances in a real fire.

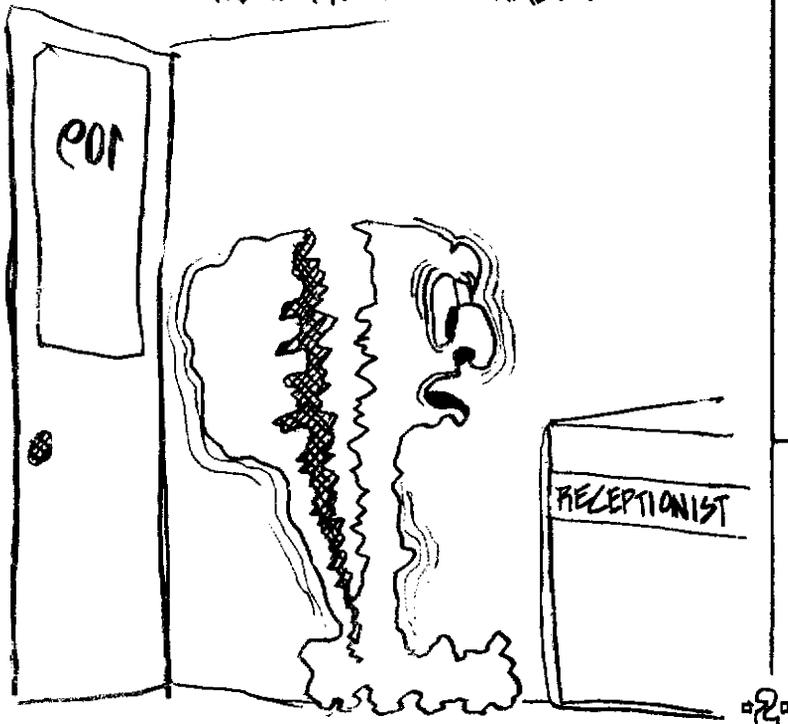
Dr. Berlad's "Fire Spread Theory", which is being published for presentation next spring, describes several "mechanisms" by which firebrands such as flaming pieces of bark or leaves are carried from the origin of a fire to other locations where they begin new fires.

One such mechanism called "long-range spotting" is responsible for transporting burning material often as far as five to ten miles downwind from a fire by means of a vortex that resembles a tornado—"a virtual tornado of fire," according to both Drs. Berlad and Lee. Their theory on this mechanism was published last spring.

**NEXT STEP - HOW TO APPLY THEORY.** Dr. Berlad suggests that the laboratory work provides scientists with important insights regarding what they should look for in observing a major fire, but that such work is not an end in itself.

"Our research now is largely concerned with the identification and characterization of information needed to explain fire phenomena," he says. "This field is still quite primitive. We're trying to determine exactly how one can best apply theory and experimental results."

YEAH.... I'D LIKE TO SPEAK TO  
THE DEAN ABOUT THE AIR HAMMERS  
IN MARSHALL HALL.



### THE KNOTHOLE

**PUBLISHED:** Every other Thursday, by Alpha Xi Sigma

**DEADLINE:** Monday A.M., before publication

**ARTICLES:** Please sign name and so indicate if you do not wish to have name printed. We welcome all articles, gossip, notices, suggestions, and new staff members.

**EDITORS:** Phil Horning  
Chuck Sperry  
Gunther Vogt

**ASSOCIATE EDITORS:** Norman Booth  
John Boreman  
Marlene Halinar  
Janine Newmiller

**TYPIST:** Pat Kingsley

Our apologies for a number of errors that slipped through the last issue. (No date, spelling errors, etc.) No excuse, just a sloppy job.

Ed.



## WHO'S GETTING THE MONEY?



A total of 22 grants to support pulp, paper, and forest chemistry has been reported by the College of Forestry at Syracuse.

A listing of the grants amounting to \$594,562 follows:

--\$154,149, U.S. Atomic Energy Commission, studies of radiation effects on polymers and polymerization.

--\$99,621, U.S. Public Health Service, to investigate the binding of low molecular species to macromolecules.

--\$82,015, U.S. Department of Agriculture (Cooperative State Research Service), for the College's forestry research program.

--\$71,800, National Science Foundation, studies of the chemistry of radicals, radical ions, and anionic polymerization.

--\$48,800, National Council for Air and Stream Improvement, to study the removal of color from spent pulping and bleaching liquors.

--\$27,100, National Science Foundation, purchase of a mass spectrometer for forest chemistry research.

--\$24,615, U.S. Forest Service, to investigate the recovery and characterization of agriculturally significant chemicals from spent pulp chlorination liquors.

--\$20,071, National Science Foundation, for an institutional grant for science.

--\$11,300, State University, for the forestry education opportunity program.

--\$7,335, U.S. Atomic Energy Commission, to study cycling and effects of  $^{14}C$  labeled DDT on soil invertebrates.

--\$6,830, State University Central Administration, support of the University's Water Resources Center.

--\$6,215, American Chemical Society, for studies involving intimate and solvent separate ion pairs.

--\$5,300, Xerox Corp., Xerox Graduate Fellowship.

--\$5,265, Paint Research Institute, to study interactions between the microstructure of wood surfaces and the structure of coatings.

## LETTER TO THE EDITORS

To the Editors of the Knothole:

In reply to Dr. Harlow's letter concerning my description of the College of Forestry as previously being considered a tiny adjunct to Syracuse University, I certainly did not mean that the College of Forestry has not had distinguished faculty members and programs in the past. Dr. Harlow is an example of an outstanding and renowned member, who incidentally has often taken the trouble to enliven the Knothole with his views on a variety of subjects. There have been and are at present many other outstanding persons and programs. However, in terms of number of students and breadth of program I feel that my statement is still valid.

Clearly the students and faculty of the College of Forestry make up a small percentage of the students and faculty on the Syracuse campus. College of Forestry students take many of their courses at S.U., sleep and eat in S.U. facilities, and take part in many of the social and athletic activities sponsored by Syracuse University. Prior to 1948 the State University of New York did not exist and it has only been in the past 4 or 5 years that it has existed in more than name only. Now it is probably the fastest growing University in the country and the College of Forestry is participating in this growth, both in size and in scope of program. I feel that along with this growth in size and scope of program there should be a concomitant growth in the quality of the intellectual atmosphere at the College, hopefully to be initiated by the students.

Regardless of whether one takes issue with my statement about changes in the College's relationship with S.U., I would hope that students and faculty would feel that there is a need for an excellent student newspaper at the College and would be willing to supply the efforts needed to obtain one.

Daniel C. Walton  
Dept. of Forest Chemistry

### NOTE TO THE EDITORS:

I imagine this question shows up each year about this time:

What is the genus and species name of our seasonal Mistletoe?

I would like to know so I could really impress my friends this year.

### HOW ABOUT IT STUMPIES?

ED.

o3o

## BIG BROTHER

From Mrs. Montague of the Onondaga County VOLUNTEER CENTER, comes word that they are looking for three students from the College of Forestry to serve as Big Brother for boys from broken families. Their ages are 6, 8 and 13.

The request for the Big Brother service comes from a Syracuse community service agency. It involves occasional contact with boys who have no fathers, in providing companionship for them.

Requests of this kind are not new. The Volunteer Center, Inc. of Onondaga County, 108 N. Salina St., Syracuse, N.Y. 13202 has been active in securing Big Brothers for boys of broken families for the past 30 years.

This is a fine opportunity for community service that merits attention.

Forestry men students interested in learning more about Big Brother program please contact Mrs. Montague at the Volunteer Center, phone 471-9131.

Professor Floyd E. Carlson  
Office of Public Service & Continuing Education  
120 Bray Hall

### ZOOLOGY CLUB

You say that you had shots at deer every day of the season, and you missed them all? - and you feel sorta frustrated and worked up? Want a chance to relax and calm your nerves? THEN COME TO THE NEXT ZOO CLUB MEETING!

On Thursday, December 5, 1968 at 8:00 p.m. in Kittridge Auditorium of HBC, the Forest Zoology Club will sponsor the best program held at the College of Forestry in a long while. At that time, Dr. Durward L. Allen from Purdue University, will present a program entitled "Wolves and Moose on Isle Royal."

Dr. Allen, a native of Fort Wayne, Indiana, received his A.B. in zoology at the University of Michigan and his Ph.D. in vertebrate ecology at Michigan State in 1937. For the next ten years he worked as a research biologist with the Michigan Game Division. During this period, he opened two wildlife experiment stations and carried out various studies on fox squirrels, pheasants, cottontails, and other wildlife.

Following his military service in WW II, he worked eight years with the U.S. Fish and Wildlife Service, and eventually became Assistant Chief of Wildlife Research.

After resigning this position, he went to Purdue University where today he is Professor of Wildlife Ecology in the Department of Forestry and Conservation.

Dr. Allen's recent investigations have been oriented toward problems of predator-prey relationships and big game management. A small part of these studies will form the

basis of his lecture-slide program Thursday.

It might be well to note that Dr. Allen is a past president of the Wildlife Society and the recipient of several national awards for his books and research papers. Our Moon Memorial Library carries several of his works including: Our Wildlife Legacy, The Life of Prairies and Plains, and Michigan Fox Squirrel Management.

This opportunity to see Dr. Allen's program may well be a once-in-a-lifetime chance and all are urged to attend.

The Zoo. Club and the College of Forestry owe a great debt of gratitude to Dr. Alexander, the Zoo. Club advisor, for his time and effort spent in helping us arrange for Dr. Allen's program.

Those people who attended the last meeting were treated not only to a very enjoyable program by Dr. Benjamin Burtt, but also to an increase in the number of girl stumpies present. I am sure everyone hopes this is a trend, and that we will see even more of "our" girls at future Zoo. Club meetings!

I would like to remind you that Bruce Robinson needs a couple of helping hands in making posters advertising our meetings. Anyone interested in helping can contact Bruce at x3076.

Don't forget our next meeting will be a special program presented by Dr. Durward Allen, entitled "Wolves and Moose of Isle Royal." It will be held Thursday, December 5, 1968 at 8:00 p.m. in Kittridge Auditorium in HBC. THIS PROGRAM IS A MUST!!!

Bob Mrowka  
Knothole Representative

## MORE FROM DR. TIMELL

Following are excerpts from Tore Timell, on sabbatic, about a trip to Rumania to attend a meeting.

"...So I had a 44-hour train trip each way to get there, most of the way without a sleeping or restaurant car. Hungary turned out to be a singularly depressing country, at least from the train and in Budapest.... there was a general decay and ugliness over everything. Nobody could be seen smiling. My passport was checked five times within the ten hours it took to cross the country, and the police checked under the seats each time lest anyone be hidden there.

....Physically, Rumania was very attractive, especially the high mountains...Bucharest is a very ugly city of 1.2 million. Generally, the conditions were much better in Rumania, with well-painted public buildings and well-kept parks and gardens. Rumania is more thoroughly socialized than any other satellite country, so there were no private stores at all...shoes cost \$50, shirts \$30, and no one can afford a car.

....Only a few slums could be seen (in Iasi where meeting was held), and their only social problem seems to be Gypsies. They refuse to live in houses given them by the government, but live in tents outside and put their horses in the houses. They used to make a living horse cheating, now they are dealing in old Russian cars, also cheating.

....The cellulose conference was well organized, time and money had been lavished freely. Organized by Cristofor Simionescu, a polymer meeting ran concurrently. He is president of the Polytechnic Institute, editor of "Cellulose Chemistry and Technology," and, believe it or not, is one of five men in the highest council that rules Rumania.

....Right now, everybody can speak their minds more freely (in Rumania) and criticism is allowed within certain limits. Everybody, including the government, is very anti-Russian...Feelings for Czechoslovakia were very strong, and the East Germans at the meeting were cold-shouldered by everybody...No Russians dared to come."

College of Forestry Newsletter  
November 6, 1968

Included in the new edition of Who's Who in the East, is William Harlow.

Nearly a full-page book review in September issue of Fortune highly praised "Forest Ownership for Pleasure and Profit". Authored by Deans Shirley and Graves.

## PICTURES

The newly formed Traditions Committee at the College of Forestry is asking for photographs from Forestry activities by those clubs or individuals who are interested in helping us promote an enthusiasm in club participation and an increase in the general knowledge of our college. These pictures will be displayed in an area where students frequently pass. After a period of time the photographs will be come part of the college archives. Anyone who would like to help us out or who would like further information, please contact either Terry Phelps or Steve Loomis through the Traditions Committee mailbox on the ground floor of Illick.

## GRAD STUDENTS - LOOK!

IAESTE APPLICATIONS - This is a reminder to juniors, seniors, and graduate students that the deadline for submission of applications for summer employment abroad in 1969 under the International Association for the Exchange of Students for Technical Education (IAESTE) program is December 15th.

If you intend to apply for admission to this program, your application should be turned into the Office of International Forestry, 320 Bray Hall, no later than December 11th.

Applications are available on request.

Charles C. Larson  
Director

## SENIORS

There will be a meeting of the entire senior class on Tuesday December 10, at 1:00 p.m. in Room 5 Illick. At this meeting we will discuss graduation, class day, and the class gift. — NOTE: L.A. DEPT.

## YEAST LOVERS

The Botany Club has planned a trip to Widmer's Wine Cellars for Saturday, December 7, 1968. Transportation will leave about 10:00 a.m. and return by 6:00 p.m. The trip will include a talk, a tour, and maybe even some sampling. Our host will be Mr. Edwin Haynes, Widmer's head Winemaker. So keep your eyes and ears tuned to Bulletin Boards and Botany Club meetings for more information

## FORESTRY CLASS RINGS

SENIORS AND JUNIORS. Order your College of Forestry class rings right here on campus. The representatives of the L.G. Ballfour Co. will be in the Forestry Student Council office in Moon Library Mon., Wed., and Fri. from 12:30 to 1:30.