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The Knothole, October 5, 1970

SUNY College of Environmental Science and Forestry Student Body

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THE KNOTHOLE

NEW YORK STATE COLLEGE of FORESTRY

OCTOBER 5, 1970

VOLUME 21 ; NUMBER 3

AN EXPERIMENT UNDERFOOT

If you enter the third floor doors of Baker Laboratory and stand near the dedication placard there, you'll be standing on a WPE Department Experiment. The section of block flooring located there is a test sample made by a special process. Students using the entrance are helping to prove the process either a success or a failure.

The flooring is plywood. It is treated with methyl methacrylate and is fastened to marine plywood. In the special processing technique, the wood is impregnated by a liquid monomer activated by a catalyst. Heat is then applied to the impregnated wood resulting in polymerization.

The process was researched by Dr. John Meyer of the College of Forestry. E.L. Bruce Co. of Memphis, Tennessee, incorporated it to make the experimental floor section.

Installation here at the College is meant to test the floor's performance under very severe conditons. If it can stand up to the daily flow of human traffic in Baker, it will be proven usable under most conditions where such wood might be used.

- Paul Hornak

SIX HUNDRED GRADUATE FELLOWSHIPS ANNOUNCED

The New York State Education Department has announced the Lehman Fellowships and the Regents Fellowships for 1971-72. These fellowships provide a stipend from \$500 to \$5,000 per year and tenures of us to four years. Graduate Student and outstanding seniors should investigate this outstanding program promptly. Deadline for applications is December 1, 1970. Mr. Alan August or I will be glad to provide information to interested students who may see us in room 200 Bray Hall.

William L. Webb
Director of Graduate Studies

THE KNOTHOLE

The student publication of the New York State College of Forestry.

PUBLISHED: Every Monday
ARTICLES: Students and faculty who have ideas about our college, notices they wish to announce, suggestions, stories, poems or anything that they might think our readers would find interesting are encouraged to submit these to the KNOTHOLE for publication.
DEADLINE: Articles should be put in the KNOTHOLE mailbox in the basement of Marshall Hall no later than ten days before publication.

Anyone interested in joining the KH Staff is encouraged to get in touch with any of our staff members either in person or else via student mail. We also welcome any comments and/or criticisms. These should be placed in the KNOTHOLE mailbox.

STAFF

EDITOR: Mickey Sull
ASSOCIATE EDITOR: Cathy Wangerman
ART WORK Montana Brown
STORIES AND REPORTING: Mark Clark
Paul Hornak
Bob Kobelia
TYPIST: Jill Kowalewski

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EDITORIAL:

With the recent upswing in attention being focused on environmental clean up, numerous ecological texts have suddenly appeared on the market, and many, many organizations are currently offering havens for those interested in cleaning up the mess our technology has brought about. Perhaps enough has been said of this, but I would like to offer the following comment. The waste paper recycling program here at our College is the latest step in the long progression of effective means to reduce the litter, unsightliness and cost of our polluted home. It is a vital link in the chain of people just wanting to help, and those who spend their 24-hour day with a push-broom in hand on Salina Street.

I wish to encourage everyone at our school - from students right on up to our Administrators - to actively help this program by saving your waste paper; and then depositing it within the appropriate receptacles, located in the major buildings of our campus. If we all do this, then perhaps other institutions in Syracuse and elsewhere will follow our example. Perhaps then our country's leaders will see that it is more important to go out and tidy up our environment than merely hassle over the oboloete question of whether or not it is a worthwhile idea.

Mickey Sull

WHAT IS P & P ?

The Department of Paper Science and Engineering trains young men for positions of responsibility in management, production, technical service, and research for the pulp, paper, and allied industries. The program within the Department is so oriented that students may elect courses to prepare them for work in any of the above areas as well as a specialized option for continued study in the area of chemical engineering.

Research in the Department deals with engineering studies related to the flow of pulps and other suspensions in pipes and channels, absorption of gases in various liquids, heat transfer through tubes and heat exchangers. Work is also carried out in the field of recovery and re-use of secondary fibers, that is, waste papers. The facilities of the Department are presently being used in the development of new chemicals for releasing inks and pigments from wastes and also utilization of the recovered fibers. Work continues in the area involved in pulping of species from both temperate and tropical zones as well as studies involving bleaching, coating, effluent recovery and related areas.

Graduates of the Department are sought after by the leading pulp, paper, and allied industries; also, graduates of the Department are located in practically every papermaking country of the world.

F.W. O'Neil, Chairman
Dept. of Paper Science and Engineering

U.S. ALMOST DISCOVERS STEAM CAR IN 1970 - CONSERVATION NEWS, AUGUST 15, 1970

Air pollution is killing people. At least 60 percent of all air pollution is caused by the internal combustion engine. The percentage jumps to 90 percent in some urban areas. Therefore, to stop the air pollution--and the killing -- the United States should clean up or replace the internal combustion engine.

There exists today an automobile propelled by a steam engine that virtually eliminates auto-caused air pollution. It has been around for nine years. It is in a car built by Calvin and Charles Williams of Ambler, Pa. Other examples of the Rankine Cycle engine, as it is called, have been built by various inventors during the past 40 years. The technology isn't exactly headline - making -- remember the Stanley Steamer?

The difference between Detroit's superpolluter and the Williams Steamer is remarkable. A few comparisons illustrate: Hydrocarbon emissions from the internal combustion engine are 900 parts per million (ppm), from the Williams car they are 20 ppm. Nitrogen oxides which help produce smog are 1500 ppm from an internal combustion engine; 40 ppm from the Williams car. The internal combustion engine emits 3/5 percent carbon monoxide, the Williams car gives of .05 percent. The steam engine emits no lead as it has none in its fuel. Most superpolluters require lead in their gasoline and only one absolutely lead-free gasoline is even marketed today.

(CONTINUED ON NEXT PAGE)

These chemical emissions are dangerous. Carbon monoxide, as everyone knows, can combine with hemoglobin in blood cells and, in quantity, kill outright. Longterm exposure to lower levels of carbon monoxide results in thickening of the blood and faster heart beat, both conditions that put additional strain on the heart. California physicians have found mortality rates from arteriosclerotic heart disease and cerebrovascular disease to be 79 percent higher in polluted areas than in those with relatively clean air.

Nitrogen oxides as in smog cause and aggravate emphysema which is now the fastest growing cause of death in the United States. Hydrocarbons are considered largely responsible for the astonishing rise in lung cancer in urban areas during the past half century. And there is growing evidence that asbestos from brake linings presents a particularly hazardous threat to human lungs. With a steam engine auto it would be possible to stop by reverse torque, making brakes, and their linings of asbestos, unnecessary.

Simplicity is another advantage of the steam engine. It requires no clutch, no transmission, no carburetor. It wouldn't have many of the parts that have to be replaced in the average superpolluter. Consequently, the steam engine would be easy on the pocketbook as well as the lungs. And it demands no compromises in styling or performance.

Projected mass production cost of a car such as the Williams Steamer make it competitive with current American automobiles.

Hear now the words of the President of a nation whos citizens are dying from poisoned air: "I hope the automobile industry's present determined effort to make the internal combustion engine sufficiently pollution-free succeeds."

Here also the words of Environmental Quality Council Chairman Russell Train. "The data on current levels of pollution in our urban environment ... make it clear that even the application of more stringent standards in 1975 will only prolong the downward curve in vehicle emissions until the middle 1980's. After that, carbon monoxide levels will again rise because of the sheer number of automobiles on roads and highways."

These men are relying on the auto industry to clean up the internal combustion engine by 1975 or 1980 or 1985, which many authorities say can't be done.

(TO BE CONTINUED IN NEXT ISSUE)

FORESTRY COUNCIL
MINUTES OF THE MEETING 9/23/70

The meeting was called to order at 7:00 by President Dory. The Secretary's report was approved as read.

Two men are being considered for the office of Treasurer, and a tentative decision will be made on September 24. It was also stated that until budgets are voted on, clubs expenses will have to be taken care of by the club's personal resources. This money will be refunded after budgets have been approved.

GRADUATE STUDENTS ASSOCIATION

Graduate students submitted a petition for fiscal autonomy. This petition stated that the money from graduate student fees would be turned over to the GSA, that they would still retain a seat on the Forestry Council, and that a portion of this money would be turned over to the council to contribute to the support of College-wide activities, such as the annual Banquet & Barbecue. Paul Horgan moved that the petition be approved by the Council, seconded by Chuck Hollis. The motion was passed.

(TO BE CONTINUED ON NEXT PAGE)

EMPIRE FORESTER

Mary Schuschni reported the Staff is assembled, and consists of approximately 15 members. They are waiting for budgets to be voted on before they can get underway.

KNOTHOLE

Mickey Sull reported that after a meeting on Sunday and the addition of 4 new members to the Staff, the KNOTHOLE will be coming out weekly. He also said that clubs who wish announcements or reports placed in the KNOTHOLE should put them in the KNOTHOLE mailbox in the basement of Marshall Hall.

ZOOLOGY CLUB

Pat O'Mara reported that a meeting will be held on Thursday and the speaker will be Mr. Click from Burnett Park Zoo.

BOTANY CLUB

Diane Keplin reported that the noon movies will begin on Tuesday. The 1st meeting of the Botany Club will be Tuesday September 29th in room 300 Bray.

WPE CLUB

Alan Byrne reported that the club has had a meeting and is planning a schedule and budget for the coming year.

Jean Dory asked for volunteers for Student Relations Committee. Paul Horgan said that he would get two graduate students, and Gary Tompkins, Adele Rossi, Jack Cooperdock will be the undergraduate representatives.

Jean Dory said that the same person should represent the same club each week. Members were also reminded that two unexcused absences from meetings results in the complete loss of funds for that particular class or club.

It was decided that meetings would be held at 7:00 on Wednesdays.

Mary Schuschni stated that Dr. Bennett would like to continue the faculty - student conferences held at his home. Dr. Bennett has asked Mary to organize these conferences and she is looking for topics which are of interest to everyone. Don Musbach volunteered to help her set up these conferences.

Dr. Hanselman is looking for 10-15 student volunteers who will deliver, pick-up, and sometimes operate A-V equipment. He wants to know if the council will sponsor this program. Payment will be made to the Council for these services.

BUDGETS

It was stated that proposed budgets must be turned into Jean by 5:00 Monday September 28, either personally, or through the student mailboxes. Any budget not recieved by this deadline will not be voted on by the council.

STUDENT HANDBOOK

The new under-graduate student handbook will be available either from Mrs. Spear's office or through department offices. This will be publicized through the KNOTHOLE and posted.

Mickey Sull stated that the supply of sweatshirts, etc. is dwindling and that when a reorder is made, the sweatshirts should be renovated as to color and design. It was suggested that costs could be discussed with Ted Walker at Kappa Phi Delta.

WILDLIFE SOCIETY

George Walter placed a proposal before the council to accept the Student Chapter of the Wildlife Society as a member organization of the council. A motion to accept the Wildlife Society as a member organization of the Council was made by Gary Tompkins and seconded by Mickey Sull. The motion was passed.

Any group or Club sponsoring an exhibit or display for Inauguration Day, should submit ideas to Jean Dory, Jim Goulet or Adele Rossi.

Joe Secber moved to adjourn. Seconded by Fred Ballantyne.

Respectfully Submitted,
Adele Rossi
Secretary

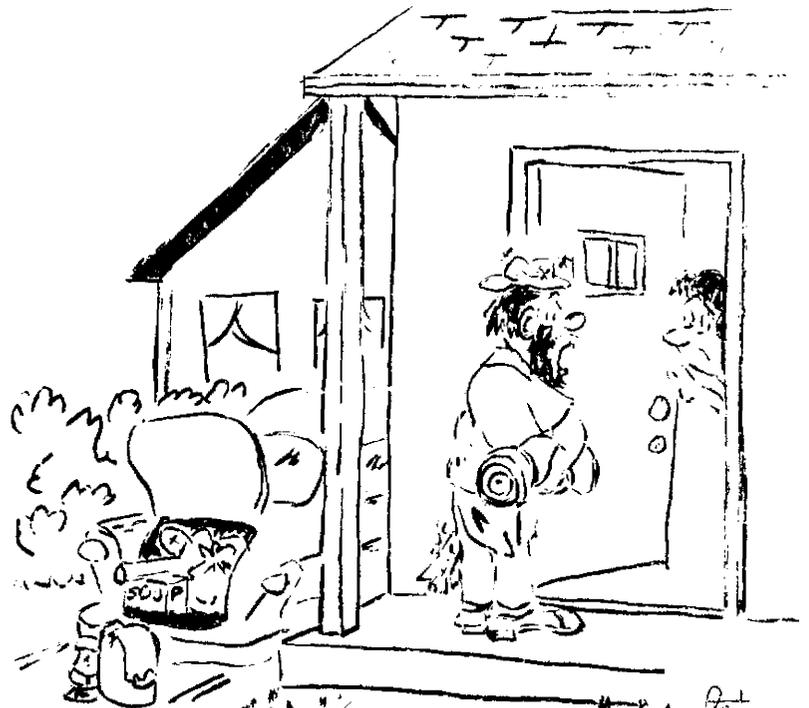
WATCHING

Sitting 'neath a shady tree
Where a mind of peace is s'posed to be,
And watching some birds flying by
A lonely hawk so way up high,
I watch the sun in golden mist
Embrace the sea with a warming kiss.
Waving leaves that beckon dawn
And wish the new day further on
Blanket me within the night
When they've lost their struggling fight.
The gathering clouds of every hue
Seem to know I'm sleepy too
And offer the dreams inside my mind
As a loving mother - warm and kind,
Adding to thoughts I've always kept
By making memories as I've slept.
The silver shore beneath the moon
Fears that dawn will come too soon,
Erasing the magic of such twilight
With winds of force and waves of might.
Yet, smile I do so quietly
Because I know inside of me,
Each starry night, while I pray,
All changes of the blessed day
Remain in my heart, where they will
stay.

Mickey Sull

NOTICE

This year, the cost for a chicken dinner at the Barbeque for C.of F. Students, Staff, and Faculty will be paid for by Student fees. All other, including wives of students or faculty and invited guests - will be charged a fee of \$2.00. EVERYONE must have a ticket for their dinner. Keep a look-out for posters around the College for more specific details.



WADDAYA MEAN, YOU'LL CALL YOUR HUSBAND IF I DONT GO AWAY? I AM YOUR HUSBAND!?

GUNSPORT FEB-MARCH '65

Art LINDER

D I S P L A Y - C O N T E S T

For the occasion of the
INAUGURATION OF PRESIDENT E.E. PALMER

- PURPOSE: To involve students in the events of the inaugural day.
To provide interesting displays of present College of Forestry activities for Alumni, guests, and friends, of the College.
- THEME: Displays should be of current interest - relating to the College and to the particular specialty of the group.
- RULES: 1. Any group of students may submit a display or exhibit
2. Statement of intent to participate must be submitted no later than October 6, 1970. This statement must include the following information:
A. Group involved
B. Basic idea of display or exhibit
C. Proposed location (Final decision rests with contest committee.)
3. Displays must be appropriate to the building in which they are located.
4. Displays are to be set up no later than October 21, 1970.
5. Judging will be held on October 22, 1970, on the basis of:

Creativity, Interest, Development of Theme
- PRIZES: First \$25.00
Second \$10.00

Contact the Contest Committee through Student Council Mailbox

STUDENT SUGGESTIONS GET ACTION

In 1969, the outgoing Seniors majoring in Forest Chemistry requested and were granted the opportunity to voice their gripes and/or praise of the Forest Chemistry Department. Their criticism resulted in new changes in the teaching program this year.

Organic Chemistry was the target of major change. Once almost specifically a Forest Chem. - oriented course, Organic Chemistry has been made more meaningful to students from the Biology or WPE or any other major. These "outsiders" can now be assured of a more relevant plan of instruction which is intended to break down the old Chemistry - Specialty atmosphere the course took on in prior years.

Organic Chemistry is being taught on the Junior level this year, too. Previously, only Sophomores received instructions in this area.

Also in response to student suggestions, a one-credit hour course in Polymer Chemistry and Instructional Methods for nonmajors has been instituted.

Paul Hornak

7.



WHEN BARBECUE'S WERE BARBECUES – 1928
Come and see what this year's is like!