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THE KNOTHOLE

SUNY COLLEGE OF FORESTRY

VOL. 20 NO. 14



HOVERTER MEMORIAL
ARCHIVES

Courtesy -
Grange
Penny Saven

"I'VELL, WE AREN'T IN TOUCH NITH ALL THE BIG COMPANIES - DO YOU LIKE TO PICK CHERRIES?"

APRIL - MAY :

OFFICIAL (GENUINE,
REGULATION,
HONEST 'N
TRUE)

JOB-HUNTING SEASON

EDITORIAL

-Mickey Sull

I am sure that many people, including some of our fellow students, are getting tired of hearing "ECOLOGY - ENVIRONMENT - SAVE THE WORLD!", and are now glad that Earth Day is over.

Like yourself, I have noticed the many posters, read some of them, and seen April 22 come and go. Personally, I am thankful for the interest that has been around about our natural surroundings. I am grateful that our citizens across the country are becoming more knowledgeable about this thing we call "pollution". My worry, however, centers around the May 22's, the June 22's, the July 22's, Augusts, Septembers, etc. The reason: We all have a tendency to forget about important issues after the fireworks have died down.

As you can see, this issue of the KNOTHOLE has several articles in it concerning our environment. It is the hope of many that after all the news media about Ecology has expired those people with a deep interest in conservation will continue to write government officials about this important topic. The suggestion I would like to offer is for you, student or professor, to take a trip to the Extension Department on the northern end, first floor of Bray Hall. Ask Mrs. Stock or Mrs. Anderson for some publications on conservation and for a decal and/or bumper sticker. If each person gives or sends one of these bits of literature to a friend then we can really continue the efforts of conservation. The publications are free; they are paid for by the State of New York. All you have to do is walk into the Extension Office. Of course, there are other ways you can assist. Most of these, however, like buying wildlife stamps or becoming a member in some nature-oriented organization, costs money. Some people will go to this extent while others will not. Many of us already belong to various clubs. This really is not as effective as most of us would hope it to be. The respective organizations exercise programs themselves. But, it is largely up to us-students knowledgeable in this issue, to inform those who may be ignorant of the numerous facts which exist.

Let us then, not stop our efforts merely because Earth Day is history. Obtain some of the material our Extension Department has to offer and pass it on to a friend. Give someone you know a copy of this KNOTHOLE. If everyone helps, we can make a good thing better by furthering an already out-stretched cause. Indeed, it is well worth the trouble.

THE KNOTHOLE

The student publication of the State University of New York College of Forestry at Syracuse University.

PUBLISHED: Every other Monday

ARTICLES: Students and faculty who have ideas about our College, notices they wish to announce, suggestions, stories, or anything that they might think our readers would find interesting are encouraged to submit these to the KNOTHOLE for publication. Please sign name to articles, and date them as well.

DEADLINE: Articles should be put in the KNOTHOLE mailbox in the basement of Bray Hall no later than the Friday before publication.

STAFF

EDITORS: John Boreman
Marlene Halinar
Janine Veinus

ASSOCIATE EDITORS: Cathy Wangerman
Mickey Sull

TYPIST: Pat Kingsley
COVER: Mickey Sull

SUMMER FIELD SESSION

There will be a clinic for tetanus booster inoculations Wednesday, May 6, 1970, at 7:00 p.m., Bray Hall Rotunda for all students attending Summer Field Session, Warrensburg, and Biological Field Station Cranberry Lake.

-R. V. Lea

ATTENTION: ALL NEWLY ELECTED STUDENT COUNCIL MEMBERS

Student Council Meeting Wednesday, April 29
6:30 P.M.

Library Conference Room
All former Council Members are urged to attend.
All students welcome.

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GRAPHICS 280 QUALIFYING EXAMINATION

DATE: Tuesday, May 5, 1970

TIME: 7:00 - 9:00 p.m.

PLACE: Room 410 Marshall

SIGN UP FOR EXAM: Room 331, Marshall Hall, by May 1

WHO TAKES EXAM? This examination is to be taken by every freshman student who has completed a minimum of one year in mechanical, technical, or machine drawing and who is enrolled in the curriculums in Resources Management and Forest Engineering. Other students who have had the necessary background are also eligible to take this test.

SCOPE: The drawing examination will include:

1. Drafting technique, including lettering
2. Isometric drawing
3. Oblique drawing
4. Orthographic projection
5. Dimensioning for machine drawing

MATERIALS: The following is a list of the equipment needed by students who are to take the qualifying examination. They must have this equipment with them when they report for the examination.

- 1 T-square
 - 1 triangular architects' scale
 - 1 30° - 60° triangle
 - 1 45° triangle
 - 1 soft eraser
 - 1 2H drawing pencil
 - 1 sandpad
 - 1 small roll Scotch drafting tape
 - 1 compass or drafting set with dividers
- PAPER WILL BE FURNISHED

RESULT: A satisfactory score on this examination automatically excuses a student from the Graphics 280 (Technical Drawing) course required in the Fall Semester of the Sophomore Year in the Curriculums listed above. You will be notified if you successfully pass this exam.

DONALD GREEN
Registrar

FINAL EXAM
SCHEDULES ARE NOW
AVAILABLE -
SEE MRS. SPEAR,
ROOM 107, BRAY HALL.

"But he who flingeth away the bottle and hindereth not the picnic paper, he that carveth the beech bole and she that expects others to carry her coat, camera and pack, may their socks be lumpy, and farm dogs bite their calves." - Finger Lakes Trail News. Keep America Beautiful, Inc. suggests that America's highways and byways would be a lot cleaner if "litter walking becomes half the fad that jogging is today.

- The Conservationist.
August-September 1969

ATTENTION STUDENTS: When borrowing books from the Moon Library students must show their ID cards to the attendant at the circulation desk.

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"ENVIRONMENTAL TEACH-IN"

With the "Environmental Teach-In" of April 22 close upon us, and with increased concern for maintaining the quality of our environment expressed by everyone at the College of Forestry, it is revealing to witness several conditions or actions which occur at the College.

For example:

- a. The untidiness of the classrooms due to the thoughtless discard of soda cans, candy wrappers and other assorted trash left behind by preceding classes. Spillage of soda on seats and writing surfaces is not uncommon.
- b. The burned holes in the new rugs in 300 Bray and in other rooms which result from crushing cigarette butts under foot or carelessly dropping lighted cigarette butts on the floor.
- c. The trash around the building entrances due to thoughtless littering and around the dumpster boxes because emptying of trash containers has been carelessly done.
- d. The shortcut paths across the Quad and elsewhere; where the grass survives with difficulty even when left untrampled. We are all aware of the problems of the Quad, but the situation is made worse by failure to keep on sidewalks.
- e. The crass, witless, and rancid graffiti found not only where you would expect to find it, but also on the walls of the elevators in Illick Hall and other places, where it confronts many visitors to our buildings.
- f. The tracking of mud into the library and other buildings because attention is not given to avoiding mud or to cleaning shoes.
- g. The defacing or removing of door plates and other signs in our buildings.
- h. The indiscriminate plastering of notices on doors, walls, and other available surfaces in all our buildings.

We are concerned about trash, oil, dust, toxic substances, etc. degrading the environment in areas remote from our campus, yet we do not have appropriate regard for our immediate surroundings. Much of our professional focus, as well as our personal attention, is involved with the environment, consequently we should give priority to conditions around us that we can directly and immediately do something about. We should "practice what we preach!"

-The Silviculture Department

MOON LITTER INCREASES

Astronaut Neil Armstrong was not only the first man on the moon - he was the first litterbug, although he was following orders. After gathering the moon dust samples, Armstrong tossed the gathering tool to one side. By blastoff \$1 million worth of boots, life support systems, etc. had been discarded. Keep America Beautiful, Inc., national litter fighting organization, reports 16 tons of useless spacecraft already dot the lunar surface. And upcoming manned flights will add to the growing pile of expensive "junk". KAB officials report the moon does not face the threat of being buried under garbage for the time being, but moon fans hope it will fare better than the earth has.

-National Wildlife
December-January 1970

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TRI-STATE

The ax came back into Forestry's hands Saturday, April 18, out at Green Lakes State Park when the SUNY Stumpies won the Tri-State Woodsmen's Competition. Total school scores for the day were SUNY - 56, West Virginia - 44, and Penn State - 43.

The first event was felling and twitching. This one is scored as two separate events. The winner in felling is determined by the log which falls closest to a stake in the ground, ties being resolved by the shorter time. Hinson of West Virginia took first place, his log falling but 3 1/2" from the stake in 1:29:1. Second and third places went to Penn State: Kordes, 3 1/2" in 3:5; and Reisinger, 5" in that order.

Places in twitching are awarded to the teams with the shortest overall time, felling plus twitching. SUNY's team of Burton, Theusen, Lamoy and Jager took first and second with 1:20:4 and 1:21. West Virginia's Lamens, Dimen, Hill and Kincaid were third with a time of 1:39:9.

SUNY again scored big in the horizontal chon: John Glinsman with 1:0:7 was first, and Dennis Parent was second with 1:14:4. Saunders of West Virginia with 1:18:5 took third.

Stumpies also dominated the dendrology contest, Bob Mrowka taking first place and Mickey Sull second. Edwards of Penn State was third.

The pulp throw for accuracy was won by the West Virginia team of Saunders and Clutter, with a time of 2:21:0. SUNY's John Burton and Mark Clark were second with 2:24:2. Penn State's team of Stoe and Freeborn were third with 2:24:5.

Krier of Penn State won the archery match with a score of 45, while Mick Lapollo and Wayne Jones, each with 31 points, took second and third.

Bow sawing's first and second places were captured by SUNY men. Pete Buist and Jerry Andritz had a time of 26.5 for first place. In second place was Len Carey and Jim Biel with 27.6 seconds. Koshline and Luse of Penn State with 33.0 were third.

Pulp throw for distance was won by SUNY Forestry's John Strub with a toss of 41' 10". Ritchey and Bruckner of Penn State were second and third with distances of 40' 8" and 40' respectively.

Vanscoy and Hill of West Virginia were first and second in the pulp split with times of 15.7 and 18.5. Wingard of Penn State took third place with a time of 20.3.

The ax throw was won by Sutton of West Virginia with 20 points. Saunders, also of West Virginia, took second with 14 points. Bob Phillips with 13 took the third place. He is from the C of F.

First place in water boiling went to Bruckner and Craig of Penn State. Muise and Hackenbracht of West Virginia were second, and SUNY's Bob Lamoy and Bob "Montana" Brown were third.

West Virginia's team of Saunders, Engle, Clutter and Duncan took first place in the log roll with a time of 1:48:1. SUNY Forestry's team of Gil Martinson, Si Balch, Pete Buist and John Burton was second with 1:57:5, and Penn State was third with 1:58:3.

A time of 13.1 seconds won first place for Penn State's Craig and Bruckner in the cross-cut sawing event. Jim Biel and Jerry Andritz of SUNY took second with 15.0, while Penn State's Ritchey and Pivrotto with 15.2 were third.

Two Penn Staters, Slippy and Koshlina, took first and second in the chain saw contest, their times being 15.7 and 15.9 seconds respectively. Jim Biel of Forestry took the third place with 16.1 seconds time.

Kincaid of West Virginia was the winner of the greased-log contest, just beating Jim Beil in the final bout of the grease-offs. Wenrich of Penn State came in third.

The team of Craig, Fleagle, Mussor, Krier, Edwards and Bruckner from Penn State took first place in the pack board race, completing the course in 19 minutes 23 seconds. West Virginia's team came in second in 21:21, while SUNY's team was disqualified for missing one checkpoint.

A first for the Tri-State Meet was the Jack and Jill Cross-Cut sawing event. Our own Kathy Kern and Michael Hosenstab were the winners, their time being 10.9 seconds. A Penn State couple headed by Nancy Hussard took second with 11.5 seconds, while Lowe and Balch representing SUNY Forestry took third place with 13.9 seconds time.

A chain saw was awarded to Bruckner of Penn State for the individual who contributes the most points to his school's overall total. The SUNY College of Forestry's Woodsmen's Team received a Homelite Chain Saw for winning the overall Tri-State Competition. At that evening's party, a final contest was held: that for the best beard. Approximately a dozen

foresters representing their schools entered this competition. After the female judges finished their discussion, Mickey Sull from our College was pronounced the winner. (He was awarded a can of shaving cream and a new razor.)

Next year we'll be traveling south to Penn State's homeground for the 1971 competition. Now that we have the ax, lets' make sure that we'll keep it. Get psyched fellas!

-Cathy Wangerman

STUDENT COUNCIL ELECTIONS

Two weeks ago Student Council Elections were held. Only about one-fifth of our student enrollment voted; a poor showing to say the least. The voting breakdown was as follows:

Graduate Students	55		<u>Student Council</u>	
Seniors	47		President	Jean Dory
Juniors	102	THE RESULTS:	Vice Presidents	Mary Dills
Sophomores	49			Jim Goulet
Freshman	<u>32</u>			Charlie Leach
TOTAL	285		Secretary	Adele Rossi
			Treasurer	Nils Parr

CLASS OFFICERS

	<u>SOPHOMORE</u>	<u>JUNIOR</u>	<u>SENIOR</u>
President	John Ott	Bob Plummer	Joe Seeber
Vice President	Justin Culkowski	Tom Plumpton	Don Greene
Treasurer	John Anlian	Vic Wehnau	Dave Burton
Social Chairman	Sally Morse	Cliff Ohmart	Fred Ballantyne

S.U. SENATOR - Jeff Dexter

WM. M. HARLOW '25

For many years, I have invited students to carry at all times (almost) a small diary-notebook. Besides interesting telephone numbers, pages of the notebook are for jotting down pearls of wisdom, anecdotes, humor and "such like" that swim past you every day, and are usually lost forever. You will find such a continuing collection of great value. The "Knothole" Eds. have asked me to share with you some things that I have thought worth recording.

"Wise men talk because they have something to say. Fools talk because they have to say something". Plato.

"When the hen instead of the rooster crows for the coming of the dawn, the house must fall." Ancient Chinese Proverb. (American males take notice; time is running out!)

So you want to be a color-slide lecturer. "All you need to keep an audience awake and enthusiastic is a limited number of fine pictures, a lecture combining instruction and entertainment, a flawless presentation, and a knowledge of when to stop talking". Photo. Soc. of Amer. Jour.

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(SST: "AIRPLANE OF TOMORROW")

Friends of the Earth is a conservation organization and we have been reading, with mixed feelings, all the recent reports about threats to our environment and the "massive efforts to win the War on Pollution."

It's a good thing, clearly, to recognize that we've only a few years to meet such problems. However we have the sinking feeling that what we've witnessed so far is only apparent activity; cosmetic solutions which are creating an impression in the public mind that things are somehow being taken care of.

But things are not being taken care of.

For example, this:

1) In the same message that he spoke so eloquently about environmental pollution, President Nixon announced that he was budgeting \$275 million for this year's work toward a commercial supersonic transport (SST).

2) Mr. Nixon said that he made that decision in order to (a) create jobs, (b) help the balance of payments, and (c) add to our national prestige. He did not say anything about the virtues of the plane itself. It is easy to understand why.

3) The SST has been a subject of controversy mainly because it produces a "sonic boom." If you've ever heard one (from the much quieter military supersonic fighters that occasionally fly by) you'll remember it as a shattering experience. Something in the magnitude of a factory explosion down the block. It is that sudden and scary.

4) Sleeping through a sonic boom is out of the question. Booms can break windows, crack walls, and stampede cattle and have done so throughout the country. If they're used for everyday commercial travel, stay off of operating tables at boom-time.

5) The boom affects an area 50 miles wide for the entire length of a flight. If the SST flew the usual air routes in this country, the boom zones would cover practically everything. In some places-Cape Cod for example- the average day might be punctuated by twenty bangs loud enough to make you duck for cover. Even wilderness areas-the one place where man's technological feats give way to nature's quiet-will offer no escape.

6) Boeing Aircraft-which is receiving a 90% subsidy to build the thing-likes to call it the "airplane of tomorrow." As for the boom, they call that "a 20th Century sound."

People in Oklahoma City, however, don't call it that. In 1964 they put up with five months of military supersonic testing and reacted this way: 15,000 complaints to authorities, 4,000 damage suits and the declaration by a quarter of the population that they could never live with it.

7) Mr. Nixon, apparently sensitive to this point, said we shouldn't worry, that the SST would fly at boom speeds only over the oceans, or other sparsely populated areas.

But the FAA has not said that, though if it did, it wouldn't mean much. Its membership changes, remember, and so by the way does the President. Ten years hence, if SSTs prove unprofitable without high speed land routes which do you think the airlines will do: scrap them? Or lobby to change the ruling? You know the answer.

8) But what about the oceans?

No one knows the effect of sonic booms upon sea life. If the enormous vibrations should disperse the fish concentrations off Newfoundland (over which most trans-Atlantic SSTs would fly), it could disturb the fish industries there. That's 40% of the U.S. fish catch and 12% of the world's.

We do know what happens to animals living under the boom. They panic. A boom killed 2,000 mink in Minnesota during 1966; a boom drove a herd of cattle off a cliff in Switzerland in 1968; and simulated booms have significantly changed the birth patterns of test rats at the University of Oklahoma.

9) As for the sparsely populated areas, those are what we now call wilderness; places still free of the crunch of technology.

Or they're farmlands, or reservations, or else national park lands where a visit would no longer be the same. Not with a boom every little while, and the trees rattling, and animals going crazy from the shock.

So much for sonic booms. They are a terrible prospect, but they're only part of the story.

10) Before making his decision, Mr. Nixon established a committee of many of the top figures in his own administration to advise him concerning whether he should cancel the whole SST project.

continued page 8

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They said yes, he should.

The feeling of their report is typified by the remark of Mr. Hendrik S. Houthakker of the President's Council of Economic Advisors who, on the question of prestige, put it this way: "...we do not believe that our prestige abroad will be enhanced by a concentration on white elephants."

11) There is evidence that the SST will pollute the upper atmosphere in such a way as may result in terrible alterations of global weather.

12) It will be far more dangerous than present aircraft because of severe problems of metal fatigue, landing speed, visibility and maneuverability.

13) It will have a relatively short range (4,000 miles). And despite the fact that it will be smaller than the 747, it will be more expensive to build, and will use three times the fuel.

As a result, it will be much more expensive to fly in. It will be an elitist's flight. That's your "airplane of tomorrow!"

Notwithstanding all the talk, it appears that basic attitudes remain unaltered.

The SST is being built because people continue to believe that there's an advantage to being able to get from N.Y. to Paris two hours sooner than at present; that if technology can do a thing, then it ought to be done.

But this attitude—the tendency to place technology ahead of considerations of our living environment—has gotten us into this mess. More luxury technology may have seemed a good idea at one time in history, when we were an underdeveloped country. But now we are an over-developed country.

The little bits of wilderness that still exist are being threatened daily by our more, faster, bigger attitudes. Industry needing more space, or trees, or ore; ever more people buying more of what industry makes and then seeking a place to escape from it.

Talking about "pollution" is not sufficient. If industry, "newly awake to its responsibilities," as the media like to say, does come up with a non-polluting auto engine, will it then be okay to cover-up the rest of America with highways and cars? (Mr. Nixon's budget also contains \$5 1/2 billion for highway construction. The result will be more damage than a-1 of his anti-pollution programs could possibly correct.)

And even if there were no boom, the more noise we have in cities and over America's parkland, the more it will confirm the nightmarish feeling: We are locked in a small room, and the walls and ceiling are closing in on us.

Friends of the Earth is interested in promoting the proposition that we had better come up with alternatives to endless technological expansion, considering that we live on a planet of fixed size.

We are establishing task forces to counter the devastating force of unchecked exploitive growth and to investigate the implications of a society which doesn't measure "progress" as an outgrowth of the GNP. We wish to build for a system which you might call microdynamic, while macrostatic.

Meanwhile, we are also opposing specific government and industry projects that seem to us to typify the sort of thinking that will lead our species into an unnecessarily short and miserable life. The SST is one. The highway juggernaut is another. Excessive power generation. Water diversion. The Alaska Pipeline. Pesticides. Airport expansions. The killing of wildlife for furs. Etc. Etc.

Now that you have finished reading this article please do not stop here. The congressional vote on the SST will be coming up within the next few weeks. Write, telephone and wire your own congressmen, the Department of the Interior, the Department of Transportation, the FAA, and urge others to do likewise. Thank you.

David Brower, President
Gary Soucie, Executive Director
Friends of the Earth
30 East 42nd St., New York, N.Y. 10017
451 Pacific Ave., San Francisco, Cal.

94133

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WHAT YOU CAN DO FOR CONSERVATION TODAY *

Senator Gaylord Nelson has introduced legislation to ban phosphorus in detergents. Phosphorus compounds contained in almost all laundry and mechanical dish washing detergents are accelerating the growth of recreation-destroying algae in lakes and rivers across the United States. In Lake Ontario all but one beach is closed from the stench and slime of massive algae growths drifting up on shore.

Nelson points out that, "Although scientists have shown that non-polluting substitutes for the detergent phosphates are now available, industry continues to drag its heels to initiate the changeovers that would eliminate this serious pollution source."

Percentage of phosphates in major detergents, as compiled by the Milwaukee consulting firm Limnetics, Inc.:

<u>DETERGENT</u>	<u>MANUFACTURER</u>	<u>% PHOSPHATE</u>
Axion	Colgate-Palmolive	43.7
Biz	Procter & Gamble	40.4
Blo-Ad	Colgate-Palmolive	35.5
Salvo	Procter & Gamble	35.3
Oxydol	Procter & Gamble	30.7
Tide	Procter & Gamble	30.6
Bold	Procter & Gamble	30.2
Ajax Laundry	Colgate-Palmolive	28.2
Punch	Colgate-Palmolive	25.8
Drive	Lever Brothers	25.3
Dreft	Procter & Gamble	24.5
Gain	Procter & Gamble	24.4
Duz	Procter & Gamble	23.1
Bonus	Procter & Gamble	22.3
Breeze	Lever Brothers	22.2
Cheer	Procter & Gamble	22.0
Fab	Colgate-Palmolive	21.6
Cold Power	Colgate-Palmolive	19.9
Cold Water All	Lever Brothers	9.8
Wisk	Lever Brothers	7.6
Diaper Pure	Boyle-Midwest, Inc.	5.0
Trend	Purex Corporation	1.4

What detergents are used in your home? Send a letter to Mom. And, while you're at it send a letter to the manufacturers of these detergents and to your elected representatives supporting Senator Nelson's legislation to ban phosphorus in detergents.

*Adapted from Conservation News, National Wildlife Federation Vol 35, No. 6

RAIN

Concentric circles in sudden pools,
A cooness in all you feel;
A ceiling of mist above your head,
A distraction from things you call "real."

A jungle to walk through of liquid vines,
Sounds that are different from most;
A slight variation of hues everywhere,
A world private of guest and host.

An atmospheric refreshing,
The absence of birds and such;

A polishing of roadways about;
A slippiness in what one may touch.

A new type of wind that blows through your hair,
The creation of a strange frame of mind;
Varied sensations growing strong,
A recollection of days left behind.

-This is the time we view separately,
But to me it must always remain
As a day of stillness to think quietly
While, with wonder, I look at the rain.

-Mickey Sull



WILDLIFE SOCIETY

On April 15 the College of Forestry Student Chapter of the Wildlife Society held its second meeting. Gary Will conducted the meeting and Charles Robbins acted as secretary. Nominations for officers were held and are still open. Interested persons should see Gary Will if you want to nominate someone, or even yourself. Those nominated were:

President - Bruce Penrod, George Walter, Phil Weston

Vice President - Mark Getty, Larry Marek, Jim Rice

Since time is getting short the elections will be held at our next meeting - April 29 at 7:00 p.m. in 5 Illick.

Joe Dell - Senior Research Biologist, New York State Conservation Department, will also be present at this meeting and will speak about his occupation and other vocations associated with being a Research Biologist for our Conservation Department.

Coming up - May 13 - Bruce Wilkens, the President of the State Chapter of the Wildlife Society will be here to address our new student chapter.

Let's have 100% attendance of members at these next two meetings.

New memberships are always available.

-George Walter



THE PILL TO END ALL PILLS

-NIAGRA INDEX
NIAGRA UNIVERSITY