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VOLUME 24 NO. 25
APRIL 11, 1974

THE

ARCHIVES KNOTHOLE

STATE UNIVERSITY OF NEW YORK

COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY

PREBILLING FALL 1974

The Business Office would like to take this opportunity to convey to all Fall 1974 full time returning students that an invoice will be forwarded to your home address in early August. This invoice will identify the tuition and student activity fee charges for Fall 1974 semester. Moreover, plans are to include a statement regarding your division status (Upper or Lower) and residency ~~for~~ tuition charge purposes along with instructions on deferral for Regents awards (Regents Scholarship, Scholar Incentive, etc.), State University Scholarship and SUNY Partial Tuition Waiver. You are advised to apply for these awards early to allow a timely award certificate from the Regents Center to be in your hands to authorize tuition deferral and allow prepayment by August 30. Of course, we will accept payment of tuition and fees during the 3 day registration period (Sept. 4-6). However, each student who receives an invoice is encouraged to prepay tuition and fees on or before August 30, 1974.

This prebilling arrangement has been initiated to not only streamline our student accounting and cashier operation but, at the same time, identify for you the amount due for tuition and fees prior to registration and allow prepayment in an effort to make the formal Fall 1974 registration (Sept. 4-6) easier for you.

REMINDER TO VETS

Veterans are reminded that the Certification of Attendance Card, which will be enclosed in April's check, must be promptly signed and returned to the V.A. Regional Office. Unless this is done, no check will be issued for the month of May, and any subsequent certifications will be invalid!

STUDENT ADVISOR PLAN

This plan is printed in the Knothole with the intent that you will think about it, and actually respond to its ideas by calling me. The nature of this plan requires that Student Council and I know if the student body is willing to participate in this new plan at both ends--advisors and advisees. Please call me at 475-3548 or express your reaction to a Council member, or put a note in the Student Council mailbox.

Richard Feldman

Purpose: To make available to students views on courses as evaluated by other students, to be used as an aid in course selection.

Description:

Numbers: Although the numbers may vary, essentially there should be 3 student advisors for each curriculum, preferably 1 from the sophomore, junior, and senior classes.

Class: The value of having juniors and seniors is obvious, as they have had many courses. The sophomores, however, should be included too, because 1) they can be helpful to freshmen, since they are able to most clearly remember academic concerns of freshmen, 2) they may be taking courses that have recently been changed in subject matter or instructor, and 3) it would serve to have a greater participation in the program.

Curriculum: Some curriculums will definitely need more advisors than the recommended 3, and some may need less. From personal knowledge I know that within the biology curriculum there are 4 different concentration areas (botany, zoology, etc.) and within these concentrations students normally tend towards one of a few areas such as physiology or ecology. It should be determined how many advisors should be used.

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LETTERS

To the Editor:

...a letter initiated by the P.P. display in Dr. VanDruff's course in Zoology, required for Freshmen. A display that completely ignored the natural and espoused and pushed the artificial while ignoring the long term effects of such...

Where have all the environmentalists gone? Those maintaining that man-made cannot compare to nature's way. In their place, it seems, there is a small group of vocal disciples of artificial contraception, pushing carcinogenic drugs, untested chemicals, biodegrading-resistant plastics, etc.; all in the name of keeping the natural environment "natural(?)."

Where have all the ecologists gone? In their place, a small number of loud pro-death advocates calling for uncontrolled abortion and the steps that follow with no regard for the long term economic, natural, and behavioral results of a death mentality.

For that matter, where have all the non-violence proponents gone? In their place, a few of the richest people in the world and their "elite" associates pushing, with great fanfare, fast-becoming-mandatory population control and hidden violence, one step after another, abortion, mercy killing, infanticide, euthanasia, etc.

The College of Forestry talks a lot about environmentalism, ecological concern, and free thinking, but when it comes down to real life this college bears down pretty hard on individuals who go against the grain. All I ask is that the people at this college accept, as they march off to do battle against people, that some march to "the beat of a more distant drum;" for example Seals and Crofts and...

Mike Spear ('74)

SR. CLASS GIFT

Seniors:

Earlier this semester I sent you all letters regarding a senior class gift. If we raise enough money your class officers would purchase some wildlife prints for Nifkin Lounge. As of now, we do not have enough money--so if you're planning to donate please do so soon. Leave your donations with Barb Dewan in 107 Bray.

John Warneck
Senior Class President

To the Editor:

This letter is in response to the unfair activity implications made about the Papyrus Club in last week's Knothole by Jim Culbert. He mentions that the Papyrus Club was "just recently" allocated \$170 for "what appeared to be a fine schedule," and that "nothing has occurred so far." Little do people know that "just recently" refers to 3/4/74--only 26 days before Jim's article had to be submitted for publication. To top it off, this 26 days includes the spring break. It took me four straight weeks to have the Papyrus Club budget passed--because attendance at the student council's meetings was so poor there weren't enough members for a quorum--and Jim knocks the Papyrus Club for a lack of activity?

Jim's second point, "nothing has been done" is also incorrect. Just because the club hasn't spent any money in 26 days doesn't mean it hasn't done anything. In fact, meetings were held, two guest speakers were scheduled, plans for our tour went into action, and the preparations for our reunion are being carried out. Coincidentally, on April 2 we had our first guest speaker (very successfully), so by the time Jim's article was read the Papyrus Club had no longer been financially inactive (about \$15 for refreshments).

Personally I feel that Jim has done a fine job as treasurer, however, I think he should give the Papyrus Club a chance before he throws his influence against it.

Jerry Landwehr
Papyrus Club Treasurer

V.A. WORK-STUDY

SUMMER, FALL '74

Any veterans currently receiving V.A. Educational Benefits who are interested in the V.A. Work-Study Program for this summer or Fall 1974 are encouraged to apply as soon as possible. The Work-Study veteran agrees to work 100 hours per academic year for the College, and in return receives a lump sum of \$250 from the Veterans' Administration. This allowance is in addition to the monthly V.A. subsistence check.

Further information and application forms are available in Room 109 Bray Hall.

?

ADVISORS... from p.1

Selection: The entire student body should be notified of the plan and all those interested in becoming advisors should apply. If the response is greater than feasible, there should be a committee that would select the desired number for each curriculum. In any case, all applicants should be reviewed. Roughly, the selection should be based on the applicant's academic standing, fairness, and willingness to give his or her time.

Institution: After it has been determined who the advisors will be, there should be thorough publicity of their availability via the Knothole and charts around campus. These should include their names, curriculum and concentration, and telephone numbers. At registration lists of these advisors should be included in the packets. These advisors must be willing to be especially available during registration week.

Period: It is hoped that advisors will hold their positions for at least 1 term at a time, preferably for a year. If an advisor can not continue for some reason, other interested students should fill the vacancy.

ALOT OF HOOPA

The Senator was going back to the reservation just before election time to make a speech to insure that the Indians vote for him. He got up on the platform and said that he would build new schools on the reservation. The audience shouted, "Hoopa, Hoopa!!" He then promised improved roads. The Indians again shouted, "Hoopa, Hoopa!!" Realizing the crowd was enthusiastic, the Senator told them he would provide more jobs for them. Again everyone shouted, "Hoopa, Hoopa!!" The good Senator knew the crowd was for him and when he stepped down one of the chiefs asked him if he wanted a tour of one of the local farms. When they arrived the chief said, "Just be careful Senator, don't step in any hoopa."

Co-op II

FONDA, NEWMAN MOVIE 4/12

The Senior and Junior classes are sponsoring the movie "Sometimes a Great Notion" on April 12 at 6:00 and 8:00 in Marshall Auditorium. It stars Henry Fonda and Paul Newman. It is about a logging operation in the Northwest around 1970. Hope to see you there; it's a real good movie.



THE DEAN

Leaps tall buildings in a single bound,
is more powerful than a locomotive,
is faster than a speeding bullet,
walks on water,
gives policy to God.

THE DEPARTMENT HEAD

Leaps short buildings in a single bound,
is more powerful than a switch engine,
is just as fast as a speeding bullet,
walks on water if sea is calm,
talks with God.

PROFESSOR

Leaps short buildings with a running start and favorable winds,
is almost as powerful as a switch engine,
is faster than a speeding BB,
walks on water in an indoor swimming pool,
talks with God if special request is approved.

ASSOCIATE PROFESSOR

Barely clears a quonset hut,
loses tug of war with locomotive,
can fire a speeding bullet,
swims well,
is occasionally addressed by God.

ASSISTANT PROFESSOR

Makes high marks on the walls when trying to leap tall buildings,
is run over by locomotives,
can sometimes handle a gun without inflicting self-injury,
treads water,
talks to animals.

INSTRUCTOR

Climbs the walls continually,
rides the rails,
plays Russian Roulette,
walks on thin ice,
prays a lot.

GRADUATE STUDENT

Runs into buildings,
recognizes locomotives two out of three times,
is not issued ammunition,
can stay afloat with a life jacket,
talks to walls.

UNDERGRADUATE STUDENT

Falls over doorstep when trying to enter building,
says "look at the choo-choo!"
wets himself with a water pistol,
plays in mud puddles,
mumbles to himself.

DEPARTMENT SECRETARY

Lifts buildings and walks under them,
kicks locomotives off the tracks,
catches speeding bullets in her teeth and eats them,
freezes water with a single glance,
she is God.

4

GEOGRAPHIC VARIATION OF DEVIANCE IN LIRIODENDRON AND THE FEASIBILITY OF ITS
PREDICTION USING THE PERVERSION CONVERSION
Masters Thesaurus for Environmental Tree Improvement

Droctor J. Halligan, P.U.D., D.D.S., M.S.P., R.S.V.P., R.I.P.,
and L.S.D.
with Al Bedo

Abstract

In this ever changing world around us one thing remains stable and unchanging. That is, tree improvement is still run by Perverts who get their jollies using dirty words in a "legitimate" lecture. However, perversion, in a subject area such as tree improvement can often be useful and does much to advance the state of the art. In the case of Liriodendron, perversion is of the utmost importance in deviance predictions for different geographic regions. In this experiment seed sources from Chickamauga and Hinkley Ridge were planted according to Klebs' concept of rinktumditty. In order to minimize environmental deviance the planting setup and spacing were according to the doghair thicket theory. This method facilitates both numerical data collection using the synchrotron (see Fig. 1) and the estimation of heterozygous aneuploidy.

Little tree improvement work has been done with Liriodendron in the past, so existing data on items such as narrow sense irritability of spermaghitinin, or within family deviance of ricin-elaidic acid synthesis or even psammomata pliotropy in glucacious prostaglandius is extremely limited. It is for this reason that it was decided to experimentally determine all of the geographic variations in deviance which can be found in Liriodendron.

In order to make this study valid at least two seed sources were needed. The Chickamauga and Hinkley Ridge sources were chosen. The mastication method was used in separating the branches from the selected tree. These scions were grafted onto nematode infested Loblolly Pine root stock to assure success. The grafts were then ignored for 30 years and allowed to grow and deviate prolifically. Blocks were then measured and all forms of deviance were recorded.

These forms of deviance were, according to hierarchal graft designations, as follows:

- | | |
|---|--|
| 1. Male Deviance | $D_{\sigma^2}^2 =$ Half-sib codeviance |
| 2. Female deviance | $D_{\sigma^2}^2 =$ Half-sib codeviance |
| 3. Male and Female interaction deviance | $D_{\sigma^2}^2 =$ Full-sib codeviance |
| 4. Within family deviance | $D_N^2 = \text{Codev}_{FS} - 2\text{Codev}_{HS}$ |
| 5. Between family deviance | $D_{Fam}^2 = D^2 - \text{Codev}_{FS}$ |
| 6. Total Genetic Deviance | $D_T^2 = D_P^2 =$ Phenotypic Deviance |

In measuring the significant male deviance in progesterone-16-carbonitrite synthesis it was necessary to run the heterochromatin through the Knoevenagel Electrophoresis process to remove the alligators from the germination plots. Next the female deviance was removed from the equation

$$D_T^2 = D_{Fam}^2 [2pq - D^2 \sigma^2 (D_N^2 + D_{\sigma^2}^2)]^2 (D_{\sigma^2}^2)$$

by erasing it. By setting all of the other deviances equal to one and solving for male deviance the formula simplifies itself to

$$D_{\sigma^2}^2 = \sqrt{\int_0^{100} D_F^2 dx (2pq D_T^2)}$$

∞

From this it is obvious that significant deviance in male progesterone-16-carbonitrite synthesis exists throughout the range of Liriodendron.

The experimental results showed without a doubt that the allotropic nature of

Continued on p. 6

leucine aminopeptidase in hermaphroditic progeny is shown by the make-female interaction deviance (D^2) and is proportional to the number of Eastern Redcedar Christmas trees in East Lansing, Michigan. From the formula

$$D^2 \delta q = \frac{1}{2}(C_{ER})/K$$

where C_{ER} is the number of Eastern Redcedar Christmas trees in East Lansing, Michigan and K is the constant of proportionality for photon emission from stimulated oocytes, it can be readily observed that Liriodendron does indeed deviate sympatrically, over its geographic distribution, in its hypothetical pythonomorpha susceptibility.

Whether or not within family deviance of ricinoleic acid synthesis is truly olethreutidic in nature, remains to be seen. In this experiment the results were inconclusive because 2,4,D was accidentally substituted for fertilizer on the original plot, which of course resulted in a glucagon buildup rendering the synchrotron (see Fig. 1) useless for data collection on this plot.

However, conclusive results were obtained on geographic variation components of quarternion concentrations in Liriodendron, using the method prescribed for Jacaranda (Droctor J. Halligan, 1974). The quarternion concentrations are inversely proportional to the between family deviance (D_{Fam}^2), and are related by the coefficient of calibration for oligochemimia selection in western conifers.

In summing and tabulating all of the deviance data it was discovered that the geographic variance of deviation in Liriodendron was proportional to the ratio of the Dimethylnitrosamine concentration to the 25-hydroxycholeciferal production rate in frostbitten megagametophytic tissue times the absolute number of lecithin bilayers in the cambium region: $V_G = P_C | L_B$ where V_G is geographic variance of deviance and P_C is the perversion conversion, and L_B is the number of lecithin bilayers in the cambium.

In conclusion, there can be little doubt but that the perversion conversion can be useful in farsighted predictions of geographic variation of deviance in Liriodendron. If the tree improvements prevents ever decide to do something besides wait for improved trees to grow up, there are even wider, more farsighted, and innovative uses for such a tool as the perversion conversion.

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FIG. 1

SYNCHROTRON