Use of student computer fees: 2003 - 2004
The use of student computer fees for last year accomplished the following for the department:
1. Partial Funding of the departments computer support personnel, and his work in the departmental student computer labs.
2. Purchase of a LCD projector and mounting hardware for one of our student / teaching computer labs (125D Davidson).
3. Partial funding of the Autodesk software. Utilized by AST students taking AST 215 and AE 271. Software for use by our students in the departmental computer labs.

Anticipated plans for using fees in fiscal year 2003-2004
1. Continue Partial Funding of the departments computer support personnel.
2. Continue Partial Funding of the departments Autodesk software fee. This software is used in the instruction of AST 215.
3. Partial funding of upgrading the computers in one of our teaching labs (153 Davidson)

Ag Education and Studies

AGEDS – Student Funds – FY04
The bulk of the student computer fees were spent on hardware purchases, repairs, or upgrades. Major hardware items purchased were:

1) Three Norton AV Servers ($8,082.72) for AG450 Farm Lab and two (primary and backup) for use in Curtiss Hall student labs
2) Three HP LaserJet Network Printers ($5,641.00) for AG450 Farm Lab, 217 Lab, 206 Lab
3) Ethernet 100MB switches and cables ($500.50) were updated for Curtiss Hall student labs
4) Upgrades and repairs ($2,536.77) were done to a select group of workstations and or servers

Software items purchased ($2,694.26) consisted of upgrades for server backup software, Norton AV software, and other special lab software.

Additional security kits ($343.75) were purchased along with expendable supplies ($117.27) for server and workstation backups.

Three additional workstations were purchased for the AG450 Lab from a private grant. All older Pentium and Pentium II workstations and HP 3si/4si printers were sent to surplus. Older Pentium workstations were replaced with somewhat newer P3 workstations at the AG 450 Lab.

Plans for AGEDS Student Funds FY05
Future plans include software license renewals for Norton Corporate Antiviurs and Server Backup Software. The 206 Lab will be replaced (10 workstations). The current workstations will be divided between the 217 Lab (addition of 5) to increase it to full capacity, AG450 Lab (addition of 3), and graduate student desks (addition of 2). This
will allow the older Pentium III workstations to be retired that are in service at the AG450 Lab and on graduate student desks.

A new server and server software will be considered if funds allow. We will continue to maintain a suitable cash reserve for security, repairs, maintenance, and expendable supplies.

**Agronomy**

**Student computer fees utilization for 2003-2004**

Resources we have purchased for G528 and Agronomy:
1. Adobe Acrobat software for all the computers in the G528 computer lab.
2. SAS software upgrade
3. Printer supplies (paper and toner)
4. Netgear 16 port 10/10 switch
5. Hp flatbed and slide scanner for G528 and room 1010
6. New Dell computers for G528 and room 1010 for students to scan with
7. Printing software
8. Student employee payroll and benefits
9. LCD projector and laptop for students to check out

**Short report of our anticipated plans for using the fees in fiscal year 2004-2005**

The Agronomy Department will be purchasing seven new computers and 15 new monitors for computer lab G528.
New computers for classrooms 2020 and 2026 Agronomy.
An Access Point Switch so students can get on the internet in computer lab G528
We will be purchasing toner, paper and printer supplies for the computer lab.
We will be upgrading SAS software.
We may hire a student for classroom development.

**Animal Science**

**Expenditure for 2003-2004 year**

The largest expense for the past year was the purchase of 30 new computers for the computer lab in room 1 Kildee. Hardware purchases represented 86% of the expenditure of student computer fees by the department for the fiscal year. The replacement computers were over three times faster with more memory and hard disk space than the previous computers. About 9% of the student computer fees were used to support the development of a simulation program for a class in Animal Science. A grant of almost $100,000 had previously been awarded by USDA for this software development. Work-study undergraduate students are hired to assist our full-time computer support personnel to manage the operation of our two laboratories. Expenses for work-study students represent about 4% of our total student computer fee expenses. Less than 1% was spent during the year for software and paper supplies. Students are assessed $.05 per page for printing in the lab to compensate for the paper and toner costs.

**Anticipated Expenditures for 2004-2005 year**

Compared to the past two years, we do not expect large hardware expenses in the next physical year. All computers are now new or one year old. We will be purchasing a new LCD projector and we may need to replace one or both printers in the computer
laboratories. Based upon student and faculty input from our departmental technology advisory committee, it has been agreed to contribute up to $15,000 for support of the simulation project for which funds were expended in the past fiscal year. Other expenses for work-study students, software upgrading and hardware maintenance will likely continue.

Economics

Our FY04 funds were used to purchase new computers for the lab, provide telecommunications access, provide supplies (paper & toner) and to partially pay monitors for the student lab.

Our current plan for the funds we receive in FY05 will be used toward telecommunications access, providing supplies (paper & toner) and for any lab maintenance.

Biochemistry, Biophysics and Molecular Biology

For our FY04 special project funding, we bought a Mobile Lab consisting of 7 12" G4 1MHz Apple PowerBook laptops, a wheeled laptop cart, and carrying cases for the laptops. College of Agriculture student fees funded half the cost of the cart and the purchase of 3 of the laptops. (An accounting error relating to the purchase of one laptop in FY03 carried over into FY04 and prevented us from buying the fourth laptop with COA student fees as planned.) We specified this lab to provide continuity of access in the face of anticipated facilities remodelling to accomodate the Biological Sciences departmental reorganization effective FY04. Some of these facilities modifications, namely those that would have shrunk or eliminated the lab most popular with students in Molecular Biology Building 1340 (MBB 1340) did not materialize, so we continue to use our fixed-installation G4 PowerMac towers as before in this room. However, the older Dell Precision workstations in MBB0101 continue to degrade, so we are in the process of moving some of the PowerMacs to MBB0101 to help keep this space useful for general student access. In the space made available in MBB1340, we are using the laptops as desktop replacements when they are not otherwise being used in, for instance, the Biology 302 teaching labs in MBB 1236 or being loaned to BBMB-affiliated students and instructors for specific courses.

Aside from network access; lab monitor wages; minor hardware repairs, upgrades, and replacements; security hardware and consumables purchases; we've used our COA formula funds to upgrade the computer interfaces for two high performance liquid chromatography instruments for the BBMB teaching labs in 1256 MBB. This upgrades the interface hardware from ISA to PCI, which allows more contemporary computer hardware and software to be used with these instruments. This upgrade also provides some future-proofing for them, since updated software that works with the older ISA hardware is not available and general purpose computers with ISA slots are generally no longer being marketed. Also with formula funds we purchased USB keychain drives to be checked out as lab equipment to students taking BBMB lab courses to be used for saving data acquired in our new spectrophotometer lab in MBB 1236.

We have no special project funding for this year. We will continue to use
other fees as last year: For network access; lab monitor wages (most of which are paid by LAS); minor hardware repairs, upgrades, and replacements; security hardware and consumable purchases. Bigger-ticket items we will consider purchasing include: A replacement computer projector for MBB 1340 (the current one is circa 1988 and inoperable at resolutions above 640x480, and barely at that), an eighth laptop for our mobile lab, or additional stereovision display hardware for visualizing 3D datasets to complement hardware already purchased. We may seek special-projects funding for these items in future years, however.

Ecology, Evolution & Organismal Biology

EEOB plans to use these funds for Department IT support (for instruction, not research); a new laptop computer to be checked out for instruction; PcOrd software for community ecology and Populus software for biology 312.

Entomology

Request #2: How we used student computer fees last year:

We used student computer fees to maintain and upgrade our student computing laboratory and teaching laboratory. Purchases included paper and toner for the printer in the student computing lab, a digital camcorder, and digital video software. Licenses for SAS and other software were maintained to keep them current.

Request #3: Plans to use funds in next year:

We plan to use funds from student computer fees to maintain and expand the software and hardware in our student computing laboratory. One or two of the computer will need to be replaced in the upcoming year with more capable models, and the amount of storage space will be expanded.

Food Science and Human Nutrition

2004 Expenditures:

We used the student computer fees to purchase software licenses and to make a computer purchase for 209 MacKay.

Anticipated 2004-2005 expenditure:

<table>
<thead>
<tr>
<th>Description</th>
<th>Projected Expense</th>
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<tbody>
<tr>
<td>Four desk top computers to replace four old ones in the food labs that used for teaching. Students will be using those computers for</td>
<td>$8500</td>
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<tr>
<td><strong>Genesis R&amp;D software for</strong></td>
<td><strong>$2,450 (initial cost)</strong></td>
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<tr>
<td><strong>additional 5 computers in</strong></td>
<td><strong>150 for the yearly license</strong></td>
</tr>
<tr>
<td><strong>FSHN teaching labs</strong></td>
<td></td>
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<tr>
<td><strong>Prime Label yearly renewal</strong></td>
<td><strong>$550</strong></td>
</tr>
<tr>
<td><strong>Up dates on the soft wares</strong></td>
<td><strong>$1000</strong></td>
</tr>
<tr>
<td><strong>as needed</strong></td>
<td></td>
</tr>
</tbody>
</table>

**GDCB**

No expenses for FY04.

GDCB plans to utilize this money in the future to facilitate the teaching process. We believe the use of technology can greatly enhance the educational experience of students, therefore, these fees will be used to provide technological advancements for instructors.

Examples of such would be purchasing new computers for our instructors that will be used in a teaching environment, and other technology needs that we feel would benefit the learning process.

**Horticulture**

**How CAC Fees Were Used in FY04 by Department of Horticulture**

When the remotely managed ethernet network switches that we were renting from ISU Telecommunications were hacked, due to lack of security upgrades and password control on those devices, we decided to purchase our own in-room unmanaged ethernet network switches for the student computer labs in Horticulture Hall in order to prevent a recurrence of security breaches on the network devices.

In response to numerous student requests, we added a student hourly employee for the student computer labs. This person gives assistance to students using computers in Horticulture Hall.

We performed maintenance and repairs on our networked printers in the student computer labs. We also replaced failing components on some of our older student computers. We went to a patch management system for student PCs by using HFNetCKPro to push updates for Microsoft Office and Windows. Finally, we installed Centurian Driveshield software on our student computers to reduce the amount of downtime for student computers.

We continue to offer free printing services to students using computers in Horticulture Hall.

**How CAC Fees Will Be Used in FY05 by Department of Horticulture**

Due to declining student enrollment, our FY2005 allocation will be 23% less than our FY2004 allocation. Despite this decrease in funding, the Department of Horticulture remains committed to providing free printing services to students using computers in Horticulture Hall.
We plan to continue employing a student hourly employee to give assistance to students using computers in Horticulture Hall. We also plan to purchase software licenses and other upgrades for student computers. Finally, we plan to replace five old PCs in 156 Horticulture Hall with new computer systems that can run the latest versions of Microsoft Office and other software programs used by students.

NREM

FY04 NREM Computer Student Fees Expenditures

NREM purchased seven new computers to replace aging Pentium III computers in 2 of the departmental undergraduate computer labs. Also purchased were two new printers to replace to older laser printers in these labs. Adobe Photoshop Elements was purchased for the laptops in our classroom carts and for one of the computer labs that is used in conjunction with several NREM undergraduate courses.

A flatbed scanner with slide scanning capabilities was purchased to replace a problematic scanner in one of the labs. Many out of warranty parts were replaced on machines such as mice, CD-ROMS and hard drives. To complete one of the laptop carts used in NREM courses, two additional laptops were purchased. Yearly licenses on SAS and Symantec’s Ghost were renewed or upgraded. Little hardware was purchased in FY 2004, but the department plans to outfit several new facilities in Science II in the coming year, after moves from Bessey and renovations in Science II are complete.

FY05 NREM Computer Student Fees Plans

In FY05, NREM intends to use Student Computer Fee funds for the following purposes:

- equip a new computing lab in 241 Science II
- upgrade the graduate lab in 106 Science II as needed
- begin building a reserve for the eventual replacement of a large-format plotter that the department uses for printing graduate student posters
- purchase three laptops for use at the Fall Forestry Camps
- possible software licenses for use in the department's GPS/GIS courses
- hire a workstudy student to assist our Systems Support Specialist in maintaining the department's two student computer labs and three laptop carts that are used in NREM courses

FY04 NREM Grant Expenditures (03-1038)

In support of our grant, large monitors and DVD/VCRs were purchased in FY04. In FY05, we plan to spend the balance of the grant funds on purchases of Macintosh computers.

Plant Pathology

There were no expenditures for FY04.

For FY05 we anticipate using the funds to purchase servers that will house web sites for students, provide file backup space for the Plant Pathology faculty & students, will be
used for student recruitment purposes and will also be used for data storage of research for faculty & students.

**Sociology**

The department operated a computer lab with 11 work stations. This room was heavily used for teaching. Last semester the lab was reserved on more than 18 different occasions. Four different classes reserved the room for direct instruction that involved the computers in analyzing data. An example would be Dr. Pat Keith's Soc 302 Advanced Research Methods class.

To accommodate these classes we had lab hours from 8:00am to 5:00pm Monday through Friday. Some AGCAC monies from the general fund were used to pay the salary of lab monitors for the 311 East Hall Lab. We also used a portion to pay for undergrad technicians to update and maintain those systems.

We had no special college grant this year.

We have made some changes for the 04-05 fiscal year to our student lab setups. We will be maintaining our main lab in 311 East Hall as an unmonitored lab with keyed access. We have moved two machines from the 311 lab to the 4th floor Graduate Student lab to better serve our graduate student population. We will also now use Economics computer labs as our main undergraduate teaching lab.

We plan to use the distributed AGCAC funds to maintain and upgrade the 4th floor Graduate Computer Lab and the 311 East Hall Lab. We will also be partnering with Economics on their 68 Heady Hall computer lab. This could take the form of financial assistance with maintenance, upgrading and monitoring of 68 Heady. Some funds will likely be held in reserve to perform future hardware and software upgrades of all three labs.

We did not receive a special AGCAC grant last year.

**Microbiology**

Plans for computer funds for the Microbiology Computer Fees to be spent in fiscal year 2005-2006. Our plans for the upcoming year include the purchase of one new computer for the graduate student offices. By purchasing one new desk top computer for the graduate offices, we will ensure one good computer per graduate office to be shared by incoming and present students in the major. Each graduate office has a black and white printer. In addition, we will purchase one new printer cartridge for each printer. Use of more than one printer cartridge/year will be an expense shared by the PI’s of the students using the office. We will also use computer fees to renew license agreements to maintain SAS software on 2 computers in the computer lab in 205 Science 1. One new PC laptop will be purchased so that we have 2 working PC laptops that can be borrowed by undergraduate, graduate, and staff to be used for presentations in classes and seminars.