Departmental Plans for 2000-2001

Departments that receive student computer fees were asked to report how they had expended student computer fees during the past year and to describe their plans for next year. Their reports are listed below.

Agricultural Economics

All funds were used exclusively for computer supplies, software, hardware, maintenance thereof, and telecommunications access for our student computer lab.

The funds that we receive next year will be used for virtually the same items.

Ag Education and Studies

Current Status of funds

Student fees were used to purchase the following items:
software - $309.80
software upgrades - $1657.00
expendable supplies (cables, power strips, mice pads, backup tapes) - $407.79
hardware purchase, upgrades - $5105.35
security - $44.90

The majority of the funds spent went for the College grant to enhance the AG450 Lab GPS project. The project consisted of purchasing two workstations (one was purchased in before this fiscal year) GPS receiver, software, power strips, cables, and other supplies. One workstation has the capacity to read PCMCIA cards from the GPS receiver. A large format color printer was also purchase for printing maps for use in the AG450 class. Software purchased included MS Office licenses and graphic software.

The desktop security software licenses were upgraded for both labs (206F & 220). Also the Norton Antivirus licenses were renewed with and additional 2 year upgrade protection for both labs. One computer in the 206F lab received a memory upgrade.

Future Plans

This fiscal year the department received another College grant to replace the student server, server OS, and one lab printer. The department match is $2036 which will come from current funds. Additional funds will be spent for one or two workstations to replace P166 workstations. Some funds will be held in reserve for repairs and for lab supplies (paper and toner) since the department is no longer providing lab supplies. No changes
are anticipated for the 206 Lab or the Ag450 Lab. The 220 Lab will see a reduction in workstations due to the phase out of older P166 workstations.

Ag & Biosystems Engineering

Use of student computer fees, Fall 2000 / Spring 2001

The use of student computer fees for last year (Fall 2000 / Spring 2001) accomplished 3 things for the department.

1. Fees were used to partially support the department’s computer support specialist. The funds were used to support his activities related to maintaining the computer labs, the various networks, and servers used by the students.
2. Some funds were used to purchase a portion of the department’s share of the University’s site license for AutoDESK software. All of the Agricultural System’s Technology students are required to take a class that uses the AutoCAD software, funded by these funds.
3. The computer purchased has had several uses in the department. The computer was used by the department in preparation for installing Windows 2000 into the student computer labs. It is currently being used in a classroom (115) for class lectures and demonstrations. It also serves as a backup computer for student labs / teaching needs.
4. A printer was purchased for the open computer lab (125E).

Anticipated plans for using fees in fiscal year 2001-2002

1. Possible replacement of a printer in the department’s computer lab for teaching (125D).
2. Continue Partial Funding of the department’s computer support personnel.
3. Continue Partial Funding of the department’s Autodesk software fee.
4. Any additional funds would be used for maintenance of items purchased with student fees, or saved to purchase larger items for the student computer labs (i.e. computers, software).

Agronomy

FY 01 EXPENDITURES

Student computer fees were used last year to support the computer lab located in G528 Agronomy Hall. In addition, fees were used to support course development in Agron 114. A large portion of the fee allocation was used for ethernet access and labor. Almost all of the labor expense relates to maintaining evening computer lab accessibility. Also, several new computers were purchased for the computer lab along with software and consumables.
FY 02 PLANS

It is anticipated that at least half of the 2001-2002 computer fees will be used for ethernet access and for the student labor required to maintain evening hours. Also, there are several old computers that need to be replaced; any funds remaining after repairs and consumable purchases will be use for new computers.

Animal Ecology

Use of SCF in FY01

Expenditures in FY 2001 supported the Science II Microcomputer Facility (SCIIMF), which is a public computer lab in Science II, and computer facilities in Room 106, Science II. The SCIIMF is used mostly by undergraduates in Animal Ecology and Zoology/Genetics. It is supported jointly by these departments.

The SCIIMF Computer Lab is staffed by monitors who assist students when they encounter problems. Some of the salary and benefits for these monitors were paid from student computer fees. Expenditures for this totaled about $1496.73. This laboratory is very heavily used by our students on an open-lab basis as well as for scheduled laboratory instruction for courses required by our large undergraduate student body. It was upgraded with funding from CAC during summer 2000 so has fairly fast PCs and spatial analysis software such as ArcView, through a licensing arrangement with the GIS facility of ISU’s AIT. The lines in the spreadsheet concerning these expenditures required documentation and this documentation will follow by campus mail.

Room 106, Science II, is used principally by graduate students in the Department of Animal Ecology. Most of the expenditures were made to upgrade hardware during FY01. For example, we upgraded an aging, slow computer to a new Dell PC Dimension 8100. This is a Pentium 4 machine that is more compatible with the heavy computing needs of our graduate students. We also upgraded printing facilities by installing a new laser printer (HP 4050). Additional expenses incurred were to upgrade statistical analysis software and pay for printer toner cartridges. Expenses for this room totaled $5187.89.

This is the principal computing venue for graduate students in the Department of Animal Ecology.

Plans for FY 2002

We anticipate ongoing expenditures to support monitors in the Science II Microcomputer Facility on the order of $3000/y. We also need to add upgrade our 106 Science II facility by the replacement of one of the aging pre-Pentium machines with a more current model, able to deal with the memory- and processor-hungry imaging and GIS applications our students’ projects demand. Minor expenditures will include miscellaneous items such as
updated software, toner cartridge replacements, paper and occasional equipment repair. Some funds will be held in reserve for unexpected expenses.

**Animal Science**

**Annual Report:**

The last fiscal year was the culmination of a significant upgrading of student computing laboratories in Animal Science. The upgrade actually started in June of 2000 by upgrading the network access to switched 100Mb access for all computers in room 1 Kildee. With the help of a cost-sharing grant from CAC, all computers and software were upgraded over the summer. A new high volume printer was purchased for room 1. The computer upgrade involved removing Project Vincent workstations as well as older PCs from room 1 and replacing them with 30 new 800MHz processors. All 43 personal computers in our two computer laboratories had X-window software installed so that students could continue to use software such as SAS on Project Vincent workstations like ISUA through a graphical interface. Another significant part of the upgrade involved adding more multimedia capabilities to our laboratories. Flatbed scanners were purchased in June 2000 for both laboratories. Two computer workstations attached to scanners also had CDRW drives installed. New software titles were installed and included Microsoft Frontpage and Adobe PhotoShop, Pagemaker, Acrobat and Illustrator. These Adobe software titles were bought with 10 concurrent licenses so that the 10 licenses could be used on any of the 43 computers in our two computer laboratories. The use of concurrent licenses required the purchase of another software product from Sassafras Software called Keyserver. We continue to hire work-study students to open the laboratories each day and monitor them during the evening hours.

**Plans:**

We plan to upgrade our laboratory server during the next year. We are continuing to hire work-study students to open and monitor the laboratories during evening hours. We will also begin developing plans for an upgrade of the 13 computers in our other computer laboratory located in 124 Kildee. These computers are still very functional but we need to plan and save for their replacement within the next year or two.

**Biochemistry, Biophysics & Molecular Biology**

FY 01 - BBMB did not have any expenditures during FY 01

FY 02 - BBMB anticipates using the student computer fees for the following:
- a portion of Joe Anderson's salary for his time spent supporting the labs
- a portion of student hourly payroll for their time supporting the labs
- paper, toner cartridges and other supplies to keep the lab running for student use
Entomology

FY 01 USES

The Department of Entomology used student computer fee funds to maintain our student computing laboratory and our teaching laboratory. SAS licenses and upgrades to Microsoft Office, as well as toner cartridges and paper, constituted the major purchases this year. We also purchased a 19-inch monitor for the Macintosh in the lab.

FY 02 USES

We plan to continue to use student computer fee funds to provide up-to-date computing services for students in the entomology department. Plans this year include installing current versions of Adobe PhotoShop on all laboratory machines and replacing a Pentium II/266 with a Pentium 4 computer.

We received a college grant to replace the computer in our teaching lab. We will be replacing the current PowerMac 7500 with a new machine and changing the video acquisition system for the dissecting microscope from analog to digital video. We plan to do this in spring 2002.

Food Science & Human Nutrition

During the fiscal year 00-01 the Department of Food Science and Human Nutrition used the student CAC fees to subsidize Ethernet connections, Vincent workstations, and software for student computing labs. The Ethernet connections and Vincent workstations were discontinued when the College of Family and Consumer Sciences absorbed responsibility for the student computer lab in 2312 Food Sciences Building. The Vincent workstations were maintained for access to SAS on the mainframe and were no longer needed when CFCS subsidized SAS for PCs in the lab. FSHN was able to purchase two new software packages: EZ Form and Genesis R & D. EZ Form is a software package, which implements USDA and FDA nutrition regulations in producing a nutrition label for a food product. This program is used by Dr. Mark Love in FSHN 403 – Food Laws, Regulations, and the Regulatory Process. Genesis R & D is a product development and labeling software package used during product development. This program is used by Dr. Ken Prusa in FSHN 411 – Experimental Study of Food.

During the fiscal year 01-02 the Department of Food Science and Human Nutrition anticipates using the student CAC fees primarily to subsidize software license agreements. FSHN will also be purchasing laptops which will support newer software to use in classroom instruction.
Forestry

FY 01

We received a grant from the Ag. College Computer Committee, and the entire amount of that grant was used to purchase Global Positioning Receivers for use in a new course to be taught this spring.

FY 02

The funds allocated to us for this year's student computer fees will undoubtedly go toward replacing an older computer with a newer one. The amount we are allocated doesn't allow for much more than that each year.

Horticulture

FY 01

Use of Student Fees:
The horticulture department used student fees last year mainly for upgrades and consumables in its student labs. The department received a special college grant for a ceiling-mounted LCD projector, which has been used by faculty and students during teaching sessions that have been conducted in the open student lab located in room 156 Horticulture Hall.

FY 02

Student Fees Use Plan for 2001-2002:
The department will use student fees this fiscal year to pay for hardware upgrades of the older computer equipment and peripherals in its open student computer labs in rooms 156 and 260. Fees will also be used to purchase paper and toner for the labs' printers as well as supplies, such as mouse pads, etc. Paper is currently provided free of charge to students for printing in the labs, and we expect a surge in use of the facility due to this service.

Microbiology

FY 01

Please provide a short narrative (about two paragraphs) describing how you used student computer fees last year. If you receive a special college grant, please include a description about the use of those funds as well.

For FY2001 most of the student fees went towards maintaining the lab PCs. The old floppy drives were replaced, memory was upgraded, and broken ZIP drives were placed. New security software was purchased and installed to insure consistency in the lab. Also
a new scanner with graphics software was purchased and installed in the lab. The remainder of the fees went towards general upkeep of the existing machines, cleaning supplies and maintenance of the laser printer.

FY 02
*Please provide a short report of your anticipated plans for using the fees in fiscal year 2001-2002. If you received a special college grant, please also include your plans for the use of those funds.*

For FY2002 student fees would go towards buying new machines for the computer lab, replacing the older computers that can no longer be upgraded. The remaining machines will be upgraded to a new operating system, possibly Windows 2000 professional. The remainder of the student fees will be used for the general upkeep of the lab machines and its laser printer.

### Plant Pathology

**FY01 Uses**

We purchased a color printer for $2,237.00.

For use by students, staff, and faculty.

No special college grant. This printer was purchased so that faculty and students can produce color prints in-house for their publications and presentations.

**FY02 Proposed Plan**

Plans for FY’02 are to continue upgrading equipment and software in the department's student computer facility.

### Sociology

FY02 fees will be used to staff our computer lab which is heavily used by graduate and undergraduate students.

### Zoology/Genetics

Expenditures for FY ’01 were as proposed, that is, to provide maintenance costs for student computer labs in Sci II (shared with Bot, An Ecol and Biology). We will do the same next year.