



Newly acquired arthroscopy instruments, in the foreground, allow surgeons at the College of Veterinary Medicine, operating on a horse's "knee," to see inside the joint without major invasive surgery.

Vet Gets New Equipment

Clinicians at the State College of Veterinary Medicine are diagnosing equine joint and reproductive problems earlier and treating these conditions with greater accuracy thanks to a new array of equipment purchased by college alumni contributions. A new interrelated set of arthroscopy instruments lets clinicians see inside the joint without major invasive surgery and

allows the early detection of excessive wear and tear on a horse's ligaments, articular cartilage, joint capsule and synovial membrane. In high performance horses such as racehorses, such timely detection means prompt treatment and a swifter recovery. Arthroscopy also helps in determining length of disability and the long-term ef-

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Rhodes Seeks Action to Reduce Public-Private Tension, Discord

Candid discussion and firm action are needed to reduce the tension and discord between private and public education in New York State, Cornell University President Frank Rhodes said in Buffalo last Thursday.

Private and public colleges can maintain educational excellence and opportunity only by replacing their rancorous rivalry with respect for each other's strengths and by cooperating as they face the problems of fewer high school graduates, tighter budgets, and increased competition for government and private funding, Rhodes said.

Speaking at a luncheon meeting of presidents and other top administrators from public and private colleges in western New York, Rhodes shared his unique perspective on the public-private debate, as president of a university that is both private and public. Cornell also is New York's land-grant institution.

Despite what he termed "snide remarks and innuendos" from some members of the education community, Rhodes said there are private colleges that stand for democracy and public service, and public institutions that stand for selectivity and independence. "Neither sector has a

Federal Financial Aid Cuts Could Be 'Disaster' Here, Administrator Says

About one-half of the 5,500 Cornell University undergraduate students receiving financial aid would have their assistance cut under President Reagan's budget proposal, according to financial aid director Susan H. Murphy.

"There's no way to know how many of our students could not attend Cornell if the cuts are approved," Murphy said. "But the reductions would be a disaster for many low- and middle-income students who could not attend Cornell, or other private colleges. The character of our student body could change dramatically."

Under Reagan's proposal, students from families with an annual income above \$32,500 would be barred from the Guaranteed Student Loan program, and students whose families earn more than \$25,000 would not be eligible for Pell Grants, National Direct Student Loans, or College Work-Study jobs financed by federal dollars. In addition, a student could receive no more than \$4,000 a year in total federal aid.

At Cornell, 47 percent of student financial aid is provided through federal programs, Murphy said. More importantly, about 2,300 Cornell students receive more than \$4,000 a year in federal aid. Some receive as much as \$7,000 a year or more

See related presentation on financial aid on page 4.

through federal programs, she added.

In addition, about 3,000 of the students receiving aid come from families whose incomes top \$32,000 a year. Nearly all of those students would no longer be eligible for any federal aid, including guaranteed student loans, Murphy said.

Nearly all of the 5,500 Cornell students receiving aid are offered college work-study assistance, Murphy said. Work-study allows eligible students to receive federal aid by working on campus during the academic year. Many students will be ineligible for work-study aid under Reagan's proposal because of the \$4,000 annual limit or because of their families' income.

"For middle-income students, these cuts will affect their choices for college," Murphy explained. "They may not be able to choose the best program for their needs because the cost will be prohibitive."

Additionally, she said, "Colleges do not have the resources to make up the difference." Cornell, for example, has just announced projections that it may not be able to meet full student need beginning in

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Proxy Committee Decides to Vote On South Africa, Nuclear Issues

The Proxy Review Committee of Cornell University's Board of Trustees has decided that it will vote this year on proxy issues involving investment in South Africa and nuclear power.

At the January meeting of the Cornell Board of Trustees, the committee reviewed the preliminary list of proposals expected to be presented. At that time, it appeared that two subject areas may be introduced on proxies of the following companies in which the university owns shares:

*South Africa — Ford, General Motors, IBM, NCNB, and Texaco;

*Nuclear — American Electric Power and Westinghouse.

The committee announced that the precise proposals will be made available to the university community as soon as they are received, and it would then welcome community opinions on them. Comments can be submitted to Patricia Carry Stewart, chair

of the committee, or to Beverly Maynard, Office of University Investments, Terrace Hill.

Stewart also announced that the first summaries of papers and policies on the role of U.S. corporations doing business in South Africa, prepared for the committee, have been completed. Copies have been placed in the Office of University Assemblies, Mann and Olin libraries, the Office of University Relations in Day Hall, and the Office of University Investments. Persons who want individual copies may obtain them from Maynard. As summaries of additional materials are completed, they also will be made available, Stewart said.

The committee would welcome input from the community on this material as well, she said, and comments should be directed to her, Maynard, or any member of the committee. Other members of the

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monopoly on excellence," he stressed.

"We must be willing to acknowledge the strengths of our dual system and also to support initiatives which, while sometimes painful for individual institutions, can greatly improve the effectiveness of higher education in New York," he said.

Rhodes encouraged the university administrators to develop specific standards to evaluate colleges, and to be willing to assist, redirect, or even close weak colleges — public or private.

He also called on the administrators to build on strengths, and to develop new programs solely because of educational

need and not because of political or other considerations. In addition, both private and public colleges "must encourage the flow of talented minority students into graduate and professional programs," and must preserve equality of access, Rhodes said.

"In 1982-83 only 61 black students nationwide earned Ph.D.s in engineering and the physical sciences."

Rhodes also said that "the tuition gap" between private and public colleges — "one of the most divisive issues in New York State's public-private debate" — must be

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Astronomical Society Honors Thomas Gold

Cornell astronomer Thomas Gold has been awarded the 1985 Gold Medal by the Council of the Royal Astronomical Society in London.

The Gold Medal, considered one of the most prestigious prizes in the field, was awarded to Gold for his research in planetary physics and his contributions to geophysics and astronomy, according to the society. The medal will be presented later this year in England.

Gold is the second Cornellian to receive this award from the Council of the Royal Astronomical Society. The medal was presented in 1973 to Edwin E. Salpeter, the James Gilbert White Distinguished Professor in the Physical Sciences and director of the Center for Radiophysics and Space Research at Cornell, for his "many distinguished contributions to theoretical astrophysics."

Gold is the John L. Witherill Professor of Astronomy at Cornell, and the founder and former director of Cornell's Center for Radiophysics and Space Research.

Among Gold's many contributions to leading scientific thought are his explanation of pulsars as rapidly rotating neutron stars, and his 1953 deduction that the moon's surface was not sharp rock of

volcanic origin, as was widely believed, but was instead a fine, powdery dust. In the early 1960s, Gold's Cornell laboratory demonstrated that the scattering of light by the moon could be explained only by such a soft surface.

Gold also developed, with Hermann Bondi and Fred Hoyle, the steady state theory of cosmology, which holds that the universe has always existed in a form similar to the present, and that the universe will never end because stars and other bodies are being constantly created from gaseous matter. Current thought favors the big bang theory of the creation of the universe, but Gold's ideas have generated much discussion throughout the world.

Many of Gold's ideas have been labeled bold, novel, and controversial. Gold's latest dispute with predominant scientific thought centers on his assertion that large quantities of methane — enough to meet the world's energy demands for thousands of years, if it can be tapped — are moving slowly upward from deep within the earth.

This methane and other hydrocarbon gases, formed during the creation and development of the earth, far exceed the known reserves of biologically produced fossil fuels, he believes.

"The pleasure of receiving an award of this kind is greater when one has always been unorthodox," Gold said. "It means that, to some extent, one has won the game."

Gold is the author or co-author of more than 200 publications. He has studied topics as varied as the solar system, the inner workings of the human ear, and the rotation of the earth on its axis.

He received his M.A. degree in mechanical sciences from Cambridge University (1946), an honorary M.A. from Harvard University (1957), and a doctor of science degree from Cambridge (1969).

Born in Austria and educated in Switzerland and England, Gold came to the U.S. in 1956 as a professor at Harvard. He joined Cornell in 1959, where he was chairman of the astronomy department from 1959 to 1968 and assistant vice president for research from 1959 to 1961. He supervised construction and the first decade of operation of Cornell's Arecibo Radio Observatory in Puerto Rico, the largest radio antenna in the world.

Gold is an elected member of the National Academy of Sciences and is a fellow of the American Academy of Arts and Sciences. He is also an elected member of



THOMAS GOLD

the Royal Society and several other learned societies. Gold has served on the President's Space Sciences Committee and on senior committees of the National Aeronautics and Space Administration.

Federal Financial Aid

Continued from Page 1

1986-87, and those projections were based on a continuation of — not a cut in — present federal student aid, she explained.

"For low-income students, the cuts will affect their access to higher education," Murphy said. "Some may not be able to attend college."

"For the past 18 months the federal government has been issuing reports highly critical of the quality of education in the U.S. It's absolutely ridiculous to call for improvement on one hand and to take a

chainsaw to student access to colleges with the other."

The proposed cuts "will face a very tough time in Congress," Murphy predicted. "But it is incumbent upon us to make our voices heard."

While it is reasonable to expect that a family with \$32,500 in annual income can afford some college costs, it is "a totally unreasonable expectation for students to pay the full amount if they want private education as an alternative," Murphy stressed.

Proxy Review Committee

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committee are Professor Erik Thorbecke, Student Trustee John Sheeley, and Trustees Aubrey Robinson and Paul Tregurtha.

Stewart said that the study had been done for the committee because no such digest of studies and policies in this area was available. The committee believes this is the most comprehensive review on the subject compiled to date, she said. The initial book alone contains summaries of more than 80 articles and policy statements. Stewart said that the book will be made available to any other institutions interested in making use of it.

As Stewart reported earlier, the commit-

tee unfortunately will not be in the position to make a recommendation to the Board of Trustees' Investment Committee on the university's policy on companies doing business in South Africa until late this year. The committee reported that it believes it should have the Investor Responsibility Research Center's most recent report on the impact of U.S. corporations doing business in South Africa on that country's non-white population before it considers any recommendation to the committee. Once this report is received, she said, the committee will be willing to meet with those in the community interested in presenting their views.

Veterinary Equipment

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fects of an injury.

In the diagnosis of equine reproductive problems, a new portable ultrasound machine is demonstrating its versatility. The instrument, an Equisonic 300, is designed specifically for the transrectal scanning of mare and cow reproductive organs. Ultrasonic waves, transmitted by a probe, reflect off soft tissue densities and translate into a black and white picture on a scanner. By interpreting the patterns of gray, black and white, a clinician is able to detect a nine- or 10-day old embryo the size of a pea in the mare's uterus. Rectal palpation, the usual method of determining pregnancy, would not be able to detect the

embryo until after the 20th day. Along with early determination of pregnancy, ultrasound can also be used to detect endometrial cysts and other causes of infertility. The reasons for early embryonic death are also being studied with the aid of this newly acquired machine.

The acquisition of a beta-radioactive counter by the department of reproductive studies advances both clinical treatment and research in equine reproduction. The counter measures the various hormone levels present in a sample, searching for progesterone, the estrogens and the glucocorticoids — the hormones important to the maintenance of pregnancy and the initiation of labor.

President Rhodes

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narrowed to increase students' choices. The national average of tuition and fees at private four-year institutions is nearly five times higher than that of public four-year colleges, even though the operating costs are about the same in both sectors, he said.

"It would be unfortunate ... if only affluent and lower income students were able to enroll in independent institutions while middle-income (students) could never select anything but public education," the Cornell president said. "Can we agree together on principles for determining the

price of a college education?"

Rhodes added that while the public-private debate has surfaced throughout the U.S., it has been especially strong in New York State.

"We have made considerable progress in recent months" through cooperative organizations. "But there is more that can and must be done."

"I look forward to the day when New York will be held up as a model of what can be accomplished," Rhodes told the administrators during their meeting on the campus of the State University of New York at Buffalo.

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It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, age or handicap. The university is committed to the maintenance of affirmative action programs which will assure the continuation of such equality of opportunity.

Six Areas that Need Work

Private and public colleges must work together in six areas to improve higher education, Cornell University President Frank Rhodes told a group of college administrators meeting in Buffalo last week.

The administrators, he said:

- Must be willing to redirect, combine, or even close weak colleges.
- Must build on strengths to meet educational demands but must not develop unnecessary or weak programs.
- "Must insist on certain essential standards of quality" throughout higher education and on individual campuses.
- "Must work together to preserve equality of access."
- "Must reduce 'the tuition gap' between private and public colleges.
- Must develop "an acceptable pattern of public accountability that respects institutional autonomy."

"Renewed partnership should not be beyond our reach," Rhodes told the leaders of public and private colleges in western New York.

Study of Environmental Controversies Receives \$114,000 NSF Grant

The university has received a \$114,000 grant from the National Science Foundation to study the impact of cultural, political, economic, and scientific values on the assessment and management of toxicological risks by experts and the public. An example would be chemical contamination of public water supplies.

June Fessenden-Raden, principal investigator for the two-and-one-half year project, says that controversies arise too often when the uncertainty of scientific data and the seemingly not-so-clear motivations of the public or government collide over environmental issues. An improved understanding of the roles that cultural, political, economic, and scientific values play in the determination and perception of risk may help resolve issues before they become controversial. She adds that once a controversy has arisen, reasoned information on risk tends to be ignored.

Fessenden-Raden says the public doesn't seem to understand why scientists and engineers can't provide straight yes-or-no, unequivocal answers to chemical safety issues and immediate solutions to local problems, or why experts disagree on the interpretation of the data.

On the other hand, scientists and technologists often can't understand "where members of the public are coming from" when they take conflicting and seemingly arbitrary or emotional stands on environmental issues. Scientific evaluation of chemical risks is based on empirical data, rarely available on humans, and scientific judgments. Community management of environment health risks includes not only scientific considerations, with all their uncertainties, but also cultural, moral, political, and legal considerations.

"In short," Fessenden-Raden says, "the uncertainty of scientific knowledge and data, coupled with the underlying values of a community, individual, or 'expert,' contribute to inaction and even to acrimonious conflicts in some environmental issues." She cites fluoridation as an example.

She explains that the strong sense of local autonomy in American small towns often fights state or federal interference when the community does not regard the toxicological problem as a major risk. Should the chemical problem get completely out of hand though, such as with Love Canal, the public wants the government to assume total responsibility for solving it and for providing reparations.

One outcome of the Cornell project will be a set of case studies of toxicological risks and the impact of values in the hope of providing insights to scientists, engineers, government agency personnel, and community decision-makers. Another outcome will be education for more effective risk management of environmental chemicals.

"Ultimately, it is only those who live, work, and play atop the aquifer who can prevent its continued deterioration by chemicals," Fessenden-Raden states. Fessenden-Raden, an associate professor of biochemistry, and of biology and society, will be working with a team of three colleagues on the project. They are Janet M. Fitch, adjunct assistant professor and specialist in rural culture at Cornell and an assistant professor in anthropology at Ithaca College; Rita A. Calvo, senior research associate and educational specialist in biochemistry and genetics at Cornell; and Jennifer S. Heath, a Jessie Smith Noyes graduate fellow in environmental toxicology at Cornell. They will study several communities in New York and other states in the Northeast.

According to Fessenden-Raden, the team will examine the role played by values in the process of scientifically defining and dealing with health risks from contamination of groundwater by chemicals such as organic solvents — degreasers, pesticides, and gasoline leaking from storage tanks.

She points out that groundwater currently provides 50 percent of the nation's drinking water and 95 percent of the drinking water in non-metropolitan areas of New York State.

The NSF-sponsored studies will take a "holistic approach," examining the interplay of scientific, technical, economic, governmental, moral, and cultural factors.

The project, conducted through Cornell's Program on Science, Technology, and Society, is part of a long-range effort on environmental chemicals and community/individual risk management that is directed by Fessenden-Raden, Carole Bisogni, associate professor of nutrition, and Ann Lemley, assistant professor of environmental chemistry. All are members of the Institute of Comparative and Environmental Toxicology.

Funding for the total program, which includes collaborative projects with the Water Resources Program in the Center for Environmental Research at Cornell, is now at \$308,000 and is expected to double over the next two years, says Fessenden-Raden.



Matilda Cuomo, the state's first lady, came to Cornell last Friday to review a nutrition curriculum for elementary and secondary schools in New York. The new curriculum, which includes several components, is being developed here by members of the Division of Nutritional Sciences, in conjunction with the state's departments of health and education. A former teacher, the governor's wife is chairman of the New York State Council on Children and Families. She told reporters that New York is "lagging behind nationally" but that the Cornell curriculum would make it possible for all schoolchildren to learn more than the basic food groups.

Cornell Abroad Program Will Offer Studies at 16 Universities This Fall

Monday, Feb. 18, is the deadline for undergraduate students to enroll for Cornell Abroad programs at some 16 European universities for the fall 1985 term.

Applications must be submitted to the appropriate Cornell Abroad representative in the following schools and colleges:

- Agriculture & Life Sciences, Don Burgett, 17 Roberts Hall, 256-2257;
- Architecture, Art & Planning, John Shaw, 127 Rand Hall, 256-3656;
- Arts & Sciences, Bea Rosenberg, 55 Goldwin Smith, 256-5004;
- Engineering, Dick Lance, 107 Olin Hall, 256-5008;
- Hotel Administration, David Dunn, 141 Statler Hall, 256-3692;
- Human Ecology, Bruce Harding and Peg Thomas, 153-154 Martha Van Rensselaer Hall, 256-7672;
- Industrial & Labor Relations, Maggie Larson, 101 Ives Hall, 256-2221.

Detailed information and enrollment applications also may be obtained from:

- Career Center Library, Ann Rogers, 14 East Avenue, 256-5221;
- Center for International Studies, Arch Dotson and Ann Roscoe, 170 Uris Hall, 256-6370.

Courses for Cornell credit are available at eight universities in England, three in Israel, and one each in Denmark, Switzerland, Egypt, Spain and Germany.

Extensive programs have been arranged at the University of Seville in Spain and the University of Hamburg in Germany. These programs, expected to be taken by 21 students in Spain and 10 in Germany, will be under the direction of two Cornell

faculty members.

Peter Kahn, professor emeritus of history of art, and his wife, Ruth Kahn, will be resident directors of the Hamburg Program during academic year 1985-86. He will teach a course entitled, "Expressionisms in Germany and American." In addition, students will be able to choose from the full range of courses taught at the University of Hamburg, where they will live in student dormitories.

The resident director in Seville will be Urbain J. (Ben) DeWinter, associate dean and director of admissions and special projects in the College of Arts and Sciences. DeWinter will teach a course on the author Unamuno, and another on experimental, lyrical, and intellectual Spanish novels written between 1914 and 1936.

In Great Britain, the Cornell Abroad program will be at the University of Bristol, Cambridge University, University of Edinburgh, London School of Economics, University of Manchester, Oxford University, University of Sussex, and University College of the University of London. Students are admitted to the British universities while they remain registered at Cornell.

As part of a Cornell Abroad pilot project, four students are now attending the London School of Economics, and one student each is currently at the University of Sussex and the University of York. Several students have already been accepted at Cambridge and Oxford for Fall 1985. A Cornell faculty member residing in Britain will provide periodic supervision of students attending British universities.

In Israel, Cornell is negotiating agreements with Tel Aviv University, Hebrew University in Jerusalem, the University of Haifa, and the Technion (Israel Institute of Technology) in Haifa. At Tel Aviv and Hebrew universities, Cornell students will enroll in courses offered by the Overseas Students Programs. The language of instruction is English, but students will study the Hebrew language during their stay. Those students already proficient in Hebrew will have the option of taking regular university courses.

In Egypt, students will be able to choose from the full range of courses offered by the American University in Cairo where Cornell is also negotiating an agreement. Instruction is in English, and students will also study the Arabic language. A Cornell faculty member will be in residence in Israel and Egypt to supervise the Middle Eastern programs.

Students may study in Denmark through the Denmark International Study Program (DIS) at the University of Copenhagen in general studies (liberal arts), international business studies, and architecture and design studies. The language of instruction is English and students will live with families.

At the Graduate Institute of International Studies in Geneva, Switzerland, courses will be open to Cornell seniors and graduate students with a strong interest and background in international studies. The proposed program in Geneva would offer internships with international agencies.

Financial Aid for Undergraduates at Cornell

Presentation to Trustees Outlines History, Prospects for Future Aid

History of Financial Aid at Cornell

Until 1976 students were given informal ratings in terms of their desirability for admission to Cornell by the various college admissions committees and the size of the financial aid package was determined by the university's desire to have them matriculate. One of the categories included the offer of admission but with no financial aid (admit/deny). In the late 1970s there were sizable increases in federal funding for scholarships, work study and low interest loans. For students matriculating in 1977-80, the university was able to meet the financial needs of all students with relatively modest work study and loan (self-help) requirements.

By 1980 the level of federal support was beginning to plateau and in that year the university had to increase the self-help requirement for all students from \$1800 to \$2250. In 1981 a second substantial increase in the self-help component was necessary (from \$2250 to \$3000). These successive and sizable increases in self-help levels enabled the university to continue to offer reasonably competitive financial aid packages to all admitted students who demonstrated a need.

In 1982, estimates indicated that the university would have to increase the average self-help requirement for entering students to \$3,700. This self-help level was appreciably higher than those at other Ivy League schools and the university moved to the Attractiveness Plan with a self-help requirement of \$3,200 for the most attractive students, \$3,700 for those with a rating of 2 and \$4,200 for those with a rating of 3.

The Attractiveness Plan has been successful in enabling the university to matriculate a reasonable share of the most able students and also to live within the resources available for financial aid. The average self-help requirement has been increased each year and will be at least \$4,600 for 1985-86 and for those students with a 1 rating it will be at least \$3,650.

Present Situation

In talking with prospective students in the spring, summer and fall of 1982 the university stressed its policy of meeting financial need for all admitted students. These are students planning to enter in the fall of 1985 and the statements made to them have been viewed as a commitment of the university to continue its policy of meeting need for those students currently enrolled and for those entering in the fall of 1985. These commitments will be met but the estimated demand for financial aid dollars for 1985-86 and beyond exceed budget projections based on reasonable growth in the university's contribution by substantial and ever increasing amounts. The Financial Aid Office and the university administration are exploring ways to meet the financial needs of students in 1985-86. It is essential that at the same time the university develop financial aid policies for students entering in 1986 and later.

Financial Aid Principles and Policies for 1986 and Beyond

1. Our contracts with students already enrolled will be honored.
2. Admissions decisions will continue to be made without regard to ability to pay.
3. Competitive financial aid packages will be provided to the most outstanding applicants (perhaps 25 percent of the matriculants).
4. The university will continue its commitment to students from families with income less than \$10,000, and to minority students from families with less than \$30,000 income by providing more favorable financial aid packages.
5. Future allocations of general purpose funds for undergraduate financial aid will be fixed at agreed upon levels beginning with the 1986-87 budget.

Figure 1. DEMAND FOR INSTITUTIONAL AID
1982-84 ACT, 1985 BUDG, 1986-89 PROJ

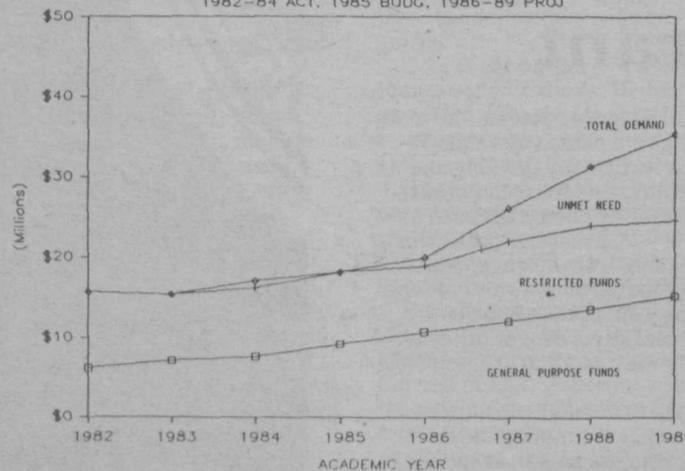
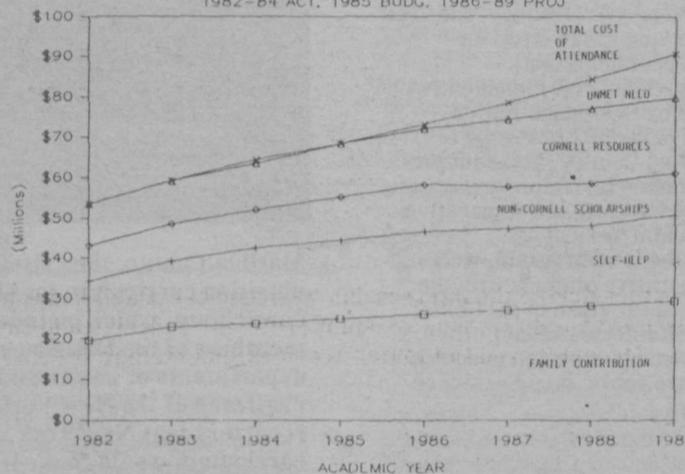


Figure 2. FINANCIAL AID RESOURCES
1982-84 ACT, 1985 BUDG, 1986-89 PROJ



6. Financial aid allocations will be increased by 0.5 percent increments to 15.0 percent of tuition and fee income in 1991-92. This level will include income from endowments currently restricted to financial aid.

7. A major effort will be made to increase endowment in support of financial aid and new endowment income will be in addition to that currently committed or planned from the general fund.

8. The university will cooperate with other institutions in seeking to maintain, and preferably increase, state and federal funds for financial aid.

9. Maintain diversity in student body and adjust financial aid policies to do so.

10. Tuition levels will be reviewed (constantly) to ensure a balance with financial aid and other programmatic needs.

Financial Aid Budgets: Past, Present and Future

The present financial aid commitment, together with the actual data for the past three years and projections for the next four years, is shown in Figures 1 and 2.

The areas on Figures 1 and 2 labeled UNMET NEED represent the difference between the projected increases in general fund commitments (plus endowment income increases) and the projected demand based on present policies and the expectation that the financial aid population will stay the same. Continuation of present policies would require that we meet this need.

A financial aid policy that allows the university to fix the general fund commitment and regulate its growth is essential. A new policy should, however, embody the principles stated in the following section and change present policies as little as possible.

Assumptions to Be Used in Developing Future Policies and Procedures

1. Policy change will be implemented with successive entering classes, beginning the fall of 1986; all students will be governed by policies in place when they enroll.

2. Scholarship allocation from the general purpose fund will be a function of tuition and fee income, moving from the 1985-86 level of 12 percent to 15 percent in 6 years. (This level to include income from current restricted endowments.)

3. Undergraduate student borrowing for financial aid will be limited to two loan sources; family loans will be used to meet additional need (if any) or replace parental contribution.

4. Federal and state aid will remain constant. If these sources of aid increase, contributions from Cornell resources may be reduced. If these sources decrease, Cornell aid may be increased by action of the Board of Trustees.

5. Financial aid population (those who request aid and determined to have need) will stay constant.

6. Some form of gapping (failure to meet full need) will probably be necessary to keep within budgets.

7. Summer savings expectation will remain constant for freshmen in 1986-87 (1,000) and thereafter may increase as the minimum wage increases. It will be increased by \$100 in 1986-87 for upperclassmen.

8. Outside scholarships for those student who have unmet need or who are denied a Cornell University scholarship will not decrease the aid provided.

9. For those students considered most attractive the financial aid packages will be at the level of peer institutions; others will likely be less favorable than current packages.

10. Cornell will give the development of Financial Aid endowment priority.

Procedures for Reducing Rates Of Increase in Aid Costs

The following approaches to containing costs will be taken. Most are in effect in peer institutions.

1. No institutional aid will be provided for students on waiting lists.

2. The cut-off date for financial aid application will be specified and adhered to.

3. Stiffer criteria for independent status will be developed.

4. Aid will be limited to 8 semesters (10 for HEOP, AAP), except for those protected by fifth year policy for minority students.

5. A closer examination and review of student earnings will be implemented.

A Suggested Policy

Starting in 1986, students admitted in category three will be provided with financial aid packages that leave them with an unmet need. The extent of this unmet need can be estimated from the model using data from the preceding two years. These students will be able to borrow, and will receive help in doing so, but Cornell University funds will be provided only to the limit budgeted.

Additional endowment will be sought to provide scholarships and to sustain the Cornell Tradition.

Currently, 20 percent of endowment is designated for financial aid, and in the last five years \$23.2 million has been raised for endowment and current support of financial aid.

Graduate Bulletin

All graduate students must turn in course registration forms at Sage Graduate Center by Friday, February 15.

Doctoral students registered or on leave for the fall term who wish to avoid paying the \$200 active-file fee for the spring term must have met all degree requirements by February 15. That includes filing two acceptable copies of the thesis in the Graduate School Office.

Late registration is now being held at the Registrar's Office, 222 Day Hall. A \$60 late registration fee will be charged for the first three weeks after Jan. 28.

GRADUATE FACULTY REPRESENTATIVES are reminded that their nominations for the General Fellowship Competition and the Special Fellowship Competition must be re-

ceived at the Fellowship Office, 116 Sage Graduate Center, by noon, Monday, February 11.

Forthcoming fellowship deadlines are listed below. Additional information regarding these awards has been sent to appropriate field offices. Please refer to the Fellowship Notebook in your graduate faculty representative's office or stop by the Fellowship Office, 116 Sage Graduate Center.

March 1, 1985: National Huguenot Society History, religion, and related fields. Yearly award of \$500 for scholarly paper, article, dissertation, or book (in the year of publication) identifying with Huguenot ideals or history.

March 1, 1985: Scottish Rite Schizophrenia Research Program Dissertation research fellowship awards in the areas of biochemistry,

epidemiology, genetics, neuroscience, pharmacology, physiology, psychiatry, psychology, and sociology. Fellowship stipend of \$6000 per year.

March 8, 1985: New York State Herbert H. Lehman Graduate Fellowships Candidate must have been a legal U.S. resident since September 1984; receive the baccalaureate degree not later than September 1985; not entered upon any graduate study prior to the 1985 summer term. Fellowship for graduate students in the fields of social science, public affairs or international affairs. Candidate must be full-time graduate student in a NYS college or university beginning September 1985. Up to \$19,000 total award; \$4000 for the first year of graduate study, \$5000 a year thereafter, for a maximum of four years of awards.

March 15, 1985: American Consulting Engineers Council Fellowship of \$4000 each of two successive years in graduate study of applied earth sciences (consulting engineers); full tuition and fees for those years; up to \$1500 in thesis research. Must intend to become engineers in applied earth sciences and have demonstrated civic responsibility and community involvement.

March 15, 1985: Ralston Purina Company Annual research fellowship in the amount of \$6400 will be awarded in the fields of nutrition and physiology research as applied to dairy, poultry, and animal science. Six research fellowships will be awarded, based upon qualifications as follows: a minimum of one each in dairy science, animal science, and poultry science.

Experimental College Has 44 Courses

Tired of cooking the same old American cuisine? Confused by the craze over video recorders? Afraid of stumbling into your partner on the dance floor?

The solution to your problems may be at the Experimental College. Oriental cooking, basic video techniques, and 11 classes on dancing are among the 44 courses being offered to the general population and university community, beginning Feb. 25.

"These are informal, non-credit, and exciting courses," says Ayanna Boyd, coordinator of the Experimental College and a doctoral candidate in education administration at Cornell. "They offer a good change of pace from academic pressures, and provide something fun to do outside the house for one night a week."

Classes will be taught by Cornell faculty, staff, and students, and members of the community. The basic course fees are \$22 for any student and \$24 for non-students. Some courses charge higher fees depending on the supplies and other costs involved.

Among the 15 courses being offered for the first time ever this spring is a class on oriental cuisine being taught by 36-year-old Mai Luther, a native of Vietnam who came to the U.S. in 1969. After only a few weeks in her class, students will be able to prepare sweet and sour pork, shrimp and vegetable tempura, egg roll, wonton soup, tofu, and many other Chinese, Japanese, and even French dishes, she says.

"I'm hoping people learn about our food and our culture, and how to prepare something besides hot dogs and hamburgers," Luther says. "Chinese food is the finest food in the world. We're going to be cooking, and after we cook we are going to eat," she adds, laughing.

David G. Taylor-Way, a visiting assistant education professor at Cornell, hopes to share 12 years of video experience in his basic video technique course.

"We want to help people get their feet wet, and maybe open some doors of creativity," Taylor-Way says. The course should be helpful to those who want to learn more about their video cameras and those who are only contemplating buying a video recorder to tape their favorite television shows, he adds.

Other first-time courses include beginning guitar; dollmaking; drawing; native American culture and crafts; photography; microwave cooking; self massage; stitched fiber wall hangings; and musical lessons on the recorder.

Also being offered for the first time are trips to Maine, Assateague Island, and West Canada Creek; and a five-day course on homesteading, including using chainsaws and caring for animals, Boyd said.

Dancing, traditionally one of the most popular Experimental College topics, includes classes in aerobic, ballet, ballroom, folk, belly, jazz, jitterbug, modern, and survival dancing, "to prevent you from making a fool of yourself on the dance floor."

The list also includes auto mechanics, bartending, martial arts, sign language, ornithology, mime, juggling, and yoga, among others.

Nearly 1,000 people are expected to enroll in the Experimental College for the spring program, Boyd says. Registration will be held from 6 to 8 p.m. on three different days at Willard Straight Hall on the Cornell campus.

Registration for the bartending course will be held Feb. 11; dancing courses Feb. 12; and all other courses and unfilled courses on Feb. 13. More information is available by calling 256-7131.

To avoid long waits or shoving in line, any lines forming before 4:45 p.m. on the registration dates will be dispersed, Boyd says.

—Mark Eyerly



Among those taking Computer Services microcomputer courses during the intersession were one of Cornell's newest faculty members and one of the most experienced. From left are Sheila Danko, assistant professor of design and environmental analysis; instructor Tom Hughes, acting director of Decentralized Computer Services; and Arthur J. Pratt, professor emeritus of vegetable crops.

Employee Training Keeps Cornell Busy During Intersession Break

For students, the vacation period stretching from late December to Jan. 28 is called the "Winter Holiday" on the Cornell calendar.

But there was little rest for hundreds of Cornell faculty, staff, and others who communicated with computers, cooked vegetarian cuisine, and practiced making arrests during the academic recess.

While many training programs are offered to university staff throughout the year, several departments take advantage of available facilities and staff time during January to offer in-service programs and skills training for their employees.

"We aim much of our training for non-class periods when demand for services is lower," said Lt. Michael Moran of the department of public safety. "That way, we can cover the campus and offer training at the same time."

In public safety, eight new university service officers received a week of training that included traffic control, crime prevention, and the techniques involved in making an arrest, Moran said.

In addition, one-half of the campus force received 40 hours of classroom instruction on changes in New York state laws, cardiopulmonary resuscitation, and first aid. The annual training program, which is repeated during spring break for the other half of the force, also includes crowd and riot control, and responding to crisis situations, Moran said.

Dining services held a one-day management retreat in downtown Ithaca, where about 30 managers worked on improving their communication skills. Dining also was host to 35 cooks from Cornell and other colleges for a three-day program on preparing soups, sauces, seafood, pasta, and vegetarian meals, said Margaret I. Lacey, dining services director.

"Winter break is the only time during the year that daily operations and decisions are

not needed," Lacey added. "The break gives us time for reflection, long-range planning, and staff training. Still, the break always flies by quickly."

The winter break turned the tables on some 300 faculty members and researchers who became students in a series of 36 computer workshops. Topics ranged from a basic introduction to computers and how to select a microcomputer, to computer programming.

"I'm not surprised by the number of participants," said Irving Wiswall of Cornell computer services, who coordinated the program offered jointly by computer services and the dean of faculty. "Many faculty members have not become proficient with computers because it is a tool they hire other people to use."

The availability of computers while students were away made January an ideal time for the training, Wiswall said.

"Many faculty members have not grown up with computers, and this way they don't have to worry about the class being monopolized by some hot-shot student," he quipped.

Computer services plans to offer a series of classes open to the entire Cornell community beginning in March, Wiswall added.

Within three days of the Dec. 4 announcement of the courses, faculty had filled 28 scheduled microcomputer classes, and three were added to help accommodate the waiting lists, according to Agelia Velleman, who heads user services for Cornell computer services. In addition, many also enrolled in the nine classes in the use of mainframe computers.

Some year-round training programs and campus service offices were also active during January. The office of environmental health provided training about chemicals in the work place to some laboratory, office, and maintenance and service workers, according to training coordinator

Robin Goodloe.

At the Gannett Health Center, where the number of patients examined dropped from 300 to 60 a day, eye tests were given to users of video-display terminals and hearing tests were given to people working in loud areas. The tests are continuing through the spring semester, said administrator Leonard Nissenon.

Also, "We try to do as many routine physical examinations as we can during the break, when the demand on us is less," he added.

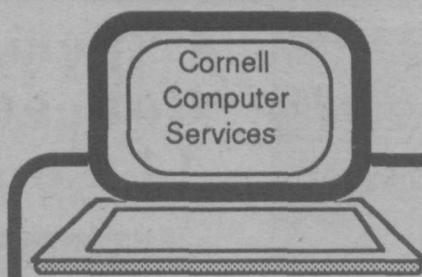
The unions and activities' human relations training program provided training on racism for the leaders of the fraternity and sorority systems, and for orientation counselors, when they returned to campus in late January, said director Ronald Loomis.

In addition, Noyes Center, Robert Purcell Union, and Willard Straight Hall provided general and job skill training for their staff members at the end of the winter break.

New Cornell Cooperative Extension agents from across New York State took part in a three-day communications skills workshop Jan. 29-31, taught by faculty from the department of communication arts and staff members from media services.

The Cooperative Extension office also worked on preparations for its in-depth week that will bring 350 county agents and others to campus for training during the spring break, said Bonnie M. Berger, staff development officer.

University personnel services will publish this month the spring calendar of workshops and seminars, according to Jared Harrison, manager of training and development. About 40 courses will be offered between March and July, with topics including computers, management skills, and effective customer service, he added.



THE COMPUTER PAGE

An Occasional Collection of Comments from Computer Services

Computer Services Offers Expanded Courses Spring Series Contains Student-Only and Fully Open Offerings

To meet the needs of the increasing numbers of computer users on the Cornell campus, Cornell Computer Services is offering an expanded series of workshops and short courses to the Cornell community this spring, according to Agelia Velleman, assistant director of academic computing. Instructors are members of the Computer Services staff.

We have added more microcomputer sessions and increased the range of subjects directed at mainframe users, Velleman said. New courses will cover several Macintosh topics, word processing, data base management, and graphics.

Several courses have been earmarked for students only, and students who enroll in some of the other courses will receive a considerable discount, she said. Any student or member of the staff or faculty may register for these courses with Helen Russler in 61 Warren Hall (256-4981). She is available for scheduling from 9-11 a.m. and 1:30-3:30 p.m. Monday through Friday.

The following courses will be offered this spring:

MICROCOMPUTER COURSES

How to Select a Microcomputer (Tom Hughes). Dates and times for this seminar will be listed in CCS's Weekly Bulletin, in CUINFO, in the Chronicle, and posted at all staffed terminal areas.

An Introduction to the IBM-PC (Irving Wiswall). Section 1: Tuesday, February 12, 10:10 a.m.-12:05 p.m.; Section 2: Wednesday, April 17, 1:25-3:20 p.m.; Room: Mann Library Microcomputer Facility; Cost: \$15.00; Students: \$5.00.

A Survey of Software Available for the Macintosh (Eileen Driscoll). Section 1: Tuesday, April 9, 1:25-4:25 p.m.; Room: 60 Warren Hall; Cost: \$10.00; Students: \$5.00. Word processing, data bases, graphics, spreadsheets, programming languages, and communications included.

WordPerfect Basics (Cynthia Frazier). Section 1: MW, February 25, 27, 1:25-4:25 p.m.; Section 2: TR, April 2, 4, 9:05 a.m.-12:05 p.m.; Section 3: TR, June 4, 6, 9:05 a.m.-12:05 p.m.; Room: Mann Library Microcomputer Facility; Cost: \$35.00. An introduction to the WordPerfect text-processing package.

Advanced Concepts in WordPerfect (Cynthia Frazier). Section 1: TR, March 12, 14, 9:05 a.m.-12:05 p.m.; Section 2: MW, May 6, 8, 1:25-4:25 p.m.; Room: Mann Library Microcomputer Facility; Cost: \$35.00. Advanced features including formatting, pagination, printing, sorting, and WordPerfect mathematics.

Introductory WordPerfect for Students (Donna Tatro). Section 1: Wednesday, March 20, 1:25-4:25 p.m.; Section 2: Wednesday, May 1, 9:05 a.m.-12:05 p.m.; Room: Mann Library Microcomputer Facility; Limited to Students; Cost: \$5.00. A hands-on introduction to give students enough experience to write class papers that do not require complex formatting.

Intermediate WordPerfect for Students (Donna Tatro). Section 1: Friday, March 22, 1:25-4:25 p.m.; Section 2: Friday, May 3, 9:05 a.m.-12:05 p.m.; Room: Mann Library Microcomputer Facility; Limited to Students; Cost: \$5.00. More advanced formatting commands than the previous workshop covers.

An Introduction to Lotus 1-2-3 (Donna Tatro). Section 1: Tuesday, February 19, 9:05 a.m.-12:05 p.m.; Section 2: Monday, March 4, 9:05 a.m.-12:05 p.m.; Section 3: Wednesday, April 10, 9:05 a.m.-12:05 p.m.; Room: 60 Warren Hall; Cost: \$20.00. A powerful and easy-to-use spreadsheet package that includes graphics, data base management, and programming capabilities.

Lotus 1-2-3, Advanced Concepts (Donna Tatro). Section 1: Thursday, February 21, 9:05 a.m.-12:05 p.m.; Section 2: Friday, April 12, 9:05 a.m.-12:05 p.m.; Room: 60 Warren Hall; Cost: \$20.00. Hands-on experience with some of the advanced features.

An Introduction to SYSTAT on the IBM-PC (Jay Hilfiger). Section 1: Thursday, April 18, 1:25-4:25 p.m. Room: 160 Warren Hall; Cost: \$20.00. Of the microcomputer statistical packages evaluated by the Statistical Computing Support Group, SYSTAT ranks among the best. Participants in this workshop will gain hands-on experience in SYSTAT's data entry and data analysis capabilities.

Introduction to Multiplan on the Apple Macintosh (Chris Pelkie). Section 1: TR, March 26, 28, 1:25-3:20 p.m.; Room: Stimson Microcomputer Facility; Cost: \$15.00. A two-part seminar using Multiplan in non-financial environments (such as data collection, and student grading).

Introduction to Chart on the Apple Macintosh (Chris Pelkie). Section 1: TR, April 9, 11, 1:25-3:20 p.m.; Room: Stimson Microcomputer Facility; Cost: \$15.00. Use of Chart to graph Multiplan data sets and hand-entered data.

How to Make Your Macintosh More Functional (Susan Wood). Section 1: Monday, April 8, 1:25-3:30 p.m.; Room: Stimson Microcomputer Facility. Tips and techniques on desktop management, MacWrite, MacPaint, fonts, and desk accessories.

Techniques for Using MacWrite on the Macintosh (Tom Hughes). Section 1: Thursday, February 28, 1:25-2:15 p.m.; Room: G94 Uris Hall. Help for the beginning MacWrite (word processing) user.

An Introduction to Macintosh Development (Kate McGregor). Section 1: MWF, March 18, 20, 22, 25, 27, 29, April 8, 10, 12, 15, 17, 19, 22, 24, 26; Room: MW, G94 Uris Hall; Friday, Stimson Microcomputer Facility; Time: MW, 1:25-3:00 p.m.; Friday, 1:25-3:25 p.m.; Cost: \$65.00. Exploration of writing development programs for the Macintosh.

A Videotaped Introduction to dBase II (Ken Ridley). Section 1: TWR, February 19, 20, 21, 1:25-3:30 p.m.; Section 2: MWF, March 18, 20, 22, 1:25-3:30 p.m.; Room: 60 Warren Hall; Cost: \$20.00. Videotaped presentation by Adam Green, dBase II educator.

Advanced dBase II (Steven Sather). Section 1: Monday, March 25, 1:25-4:25 p.m.; Room: 60 Warren Hall; Cost: \$20.00. Programming in dBase and customizing dBase for specific applications.

An Introduction to R:base 4000 on the IBM-PC (Mariann Carpenter). Section 1: TR, April 23, 25, 1:25-3:15 p.m.; Room: Mann Library Microcomputer Facility; Cost: \$10.00. A step-by-step introduction to the program which is designed for business

applications for a single user.

Networking and Communications (Tom Hughes). Section 1: Thursday, February 7, 2:30-4:25 p.m.; Section 2: Tuesday, March 26, 2:30-4:25 p.m.; Room: G94 Uris Hall. Elementary aspects of communications between such devices as printers, modems, and other computers.

Kermit for the IBM-PC (Irving Wiswall). Section 1: Thursday, February 14, 1:25-3:20 p.m.; Section 2: Friday, April 19, 1:25-3:20 p.m.; Room: Mann Library Microcomputer Facility; Cost: \$15.00; Students: \$5.00. A program for communications and file transfer between computers.

Kermit for the DEC Rainbow (Ken Ridley). Section 1: Monday, February 18, 1:25-3:20 p.m.; Room: 60 Warren Hall; Cost: \$15.00; Students: \$5.00.

Introduction to STSC's APL*PLUS on the IBM-PC (Ken Ridley). Section 1: Tuesday, February 26, 1:25-3:00 p.m.; Room: G94 Uris Hall. A full implementation of APL with a full-screen editor.

How Microcomputers Work (Linda Richmond). Section 1: TR, March 5, 7, 12, 14, 19, 9:05 a.m.-12:05 p.m.; Room: 401 Uris Hall; Cost: \$65.00. Extensive hands-on use of a singleboard computer.

MAINFRAME COMPUTER COURSES

A Simple Introduction to the IBM Mainframe (Steven Sather). Section 1: Thursday, February 7, 1:25-3:00 p.m.; Section 2: Thursday, February 14, 1:25-3:00 p.m.; Section 3: Thursday, February 28, 1:25-3:00 p.m.; Room: 60 Warren Hall; Cost: \$5.00. Instruction on how to logon, use CUINFO to learn about campus events, send and receive electronic mail, and logoff.

An Introduction to the IBM Mainframes (Staff). Section 2: MWF, February 25, 27, March 1, 1:25-2:15 p.m.; Section 3: MWF, March 11, 13, 15, 1:25-2:15 p.m.; Room: 60 Warren Hall; Cost: \$5.00. A hands-on introduction to the IBM mainframes and the CMS interactive system.

An Introduction to the DECSYSTEM-2060 (Ken Ridley). Section 1: MWF, March 11, 13, 15, 10:10-11:00 a.m.; Room: 60 Warren Hall; Cost: \$5.00. A hands-on introduction.

How to Use EMACS (Ken Ridley). Section 1: Friday, February 22, 1:25-3:20 p.m.; Room: 60 Warren Hall; Cost: \$5.00. Hands-on instruction in the fundamentals of a text-editing and formatting system for users of the DECSYSTEM-2060.

An Introduction to CUTHESIS (Betsy Stansifer). Section 1: MWF, February 25, 27, March 1, 10:10 a.m.-12:05 a.m.; Section 2: MWF, March 18, 20, 22, 10:10 a.m.-12:05 p.m.; Room: 60 Warren Hall; Cost: \$5.00. Instruction in the use of CUTHESIS and SCRIPT to produce a thesis that meets the Graduate School requirements.

How to Write a Paper Using CUPAPER (Betsy Stansifer). Section 1: Tuesday, February 12, 1:25-2:15 p.m.; Section 2: Tuesday, February 26, 11:15 a.m.-12:05 p.m.; Room: 60 Warren Hall; Cost: \$5.00. A program for formatting uncomplicated papers. Contains commands written in the text-processing language SCRIPT.

Introduction to SAS/GRAPH (Margie Wilson). Section 1: MW, February 25, 27, 1:25-3:20 p.m.; Section 2: TR, April 16, 18, 1:25-3:20 p.m.; Room: G94 Uris Hall; Cost: \$25.00. Lecture and training on graphics

devices using SAS/GRAPH.

DI-3000 Metafile System (Margie Wilson). Section 1: Thursday, February 21, 10:10 a.m.-12:05 p.m.; Section 2: Thursday, March 21, 10:10 a.m.-12:05 p.m.; Room: G26 Uris Hall, Graphics Area; Cost: \$10.00. A method for storing DI-3000 graphical information in an external, device independent display file.

An Introduction to PicSure (Judith Warren). Section 1: Friday, March 15, 2:30-4:25 p.m.; Room: G94 Uris Hall. How to draw charts and graphs without learning a computer language.

Introduction to SPIRES (Donna Bergmark). Section 1: Tuesday, March 5, 12, 19, 10:10-11:00 a.m.; Room: 60 Warren Hall; Cost: \$20.00. A hands-on introduction to SPIRES, the data base management system which runs under CMS on CORNELL.

Writing EXECs (Steven Sather). Section 1: MWF, April 8, 10, 12, 1:25-3:00 p.m.; Room: 60 Warren Hall; Cost: \$20.00; Students: \$5.00. Ways to simplify repetitive tasks and customize CMS environment.

Debugging FORTRAN Programs (Ben Schwarz). Section 1: Thursday, April 11, 1:25-3:00 p.m.; Room: G94 Uris Hall. Discussion of common causes of errors and how to find them.

Basic Concepts of Statistical Computing (Eileen Driscoll). Section 1: MW, February 4, 6, 1:25-2:15 p.m.; Room: G94 Uris Hall. Discussion of jargon, common concepts in statistical packages, and how to avoid common problems.

An Introduction to SAS (Jay Hilfiger and Chris Haller). Section 1: TR, March 5, 7, 12, 14, 1:25-3:00 p.m.; Section 2: TR, March 19, 21, 26, 29, 1:25-3:00 p.m.; Room: 60 Warren Hall; Cost: \$35.00; Students: \$10.00. Introduction to an easy-to-use tool for data management, report writing, graphics, and statistical analysis.

Advanced Techniques Using SAS (Betsy Keokosky). Section 1: TR, April 9, 11, 16, 19, 10:10 a.m.-12:05 p.m.; Room: 60 Warren Hall; Cost: \$35.00; Students: \$10.00. More advanced transformation techniques and data management, working with large data sets and error handling.

An Introduction to SPSS-X (Chris Haller). Section 1: TR, April 23, 25, 30, May 2, 10:10 a.m.-12:05 p.m.; Room: 60 Warren Hall; Cost: \$35.00; Students: \$10.00. A general-purpose system of programs for data analysis designed for people who do not have extensive experience with computers.

Note: SAS and SAS/GRAPH are registered trademarks of SAS Institute Inc., Cary, NC 27511, USA.

For more information about the workshops, call Helen Russler or Irving Wiswall at 256-4981.

Editors Note: The "Computer Page" is prepared by the publications staff of Cornell Computer Services and will appear from time to time with information on course offerings, advice for computer users and news of developments in central and decentralized computing at the University.

The section's logo was designed by a Macintosh microcomputer (with a little help from a human) and produced on a laser printer.

Ancient Sumer Comes Alive with Computer Help

Owen, Colleagues Compiling an 'Electronic' Sumerian Dictionary

By LISA H. TOWLE

The most precious legacy of the world's first great literate civilization — the language and literature of Sumer — is being brought back to life by a Cornell University professor in cooperation with scholars in four European universities with the aid of the most modern of technologies — IBM computers.

David I. Owen, professor of ancient Near Eastern history and archaeology at Cornell University, and his colleagues in Rome and Germany are compiling a major "electronic" dictionary of the Sumerian language. This computer-based lexicon will provide access to a society whose achievements and values ultimately shaped those of the modern world.

It was the Sumerians who gave us the oldest, continuously written language, the first schools with elaborate curriculums, the first congress, the first tax cut, and the first law code. The translation and computerization of the texts recorded on clay tablets will lead to a greatly increased understanding of the historical, legal, social, religious, scientific (mathematical and astronomical), and linguistic legacy that has become part of Western culture today via biblical and Islamic tradition.

The project — "A Sumerian Dictionary of the Third Millennium" — was organized and is directed by Giovanni Pettinato, professor of Assyriology, and Mirella Schaerf, professor of computer science and director of the computer center, both at the University of Rome.

(Pettinato, who recently achieved notoriety for his decipherment of the newly discovered cuneiform language of Ebla, a civilization that existed in Syria in the third millennium B.C., has been appointed Senior Fellow at Cornell's Society for the Humanities for the 1985 fall term.)

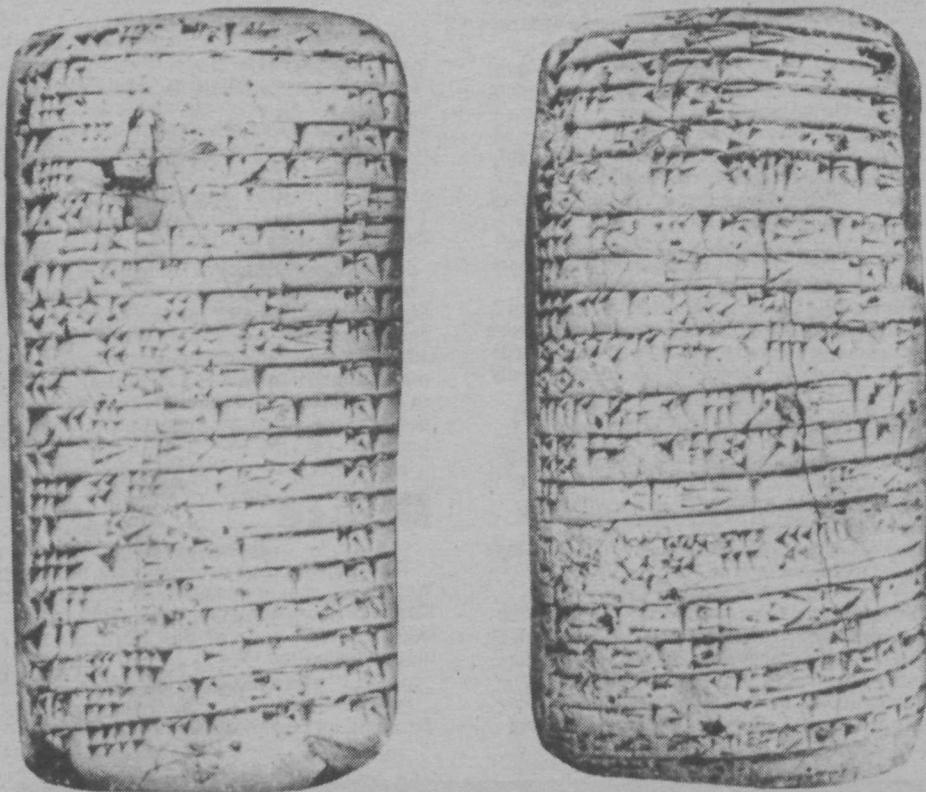
Owen will join Pettinato, Schaerf and other academicians from the Free University of Berlin, Heidelberg University, and Freiburg University. They will communicate directly via the international computer network.

Owen stresses that this is not the first attempt to compile a Sumerian dictionary. In fact, the first volume, letter B, of the Pennsylvania Sumerian Dictionary was published late in 1984 by the University of

Of Birds, Eggs and Turtles

31

FLP 145



A unique three-year account, in photograph by D.I. Owen, of a summary of the expenditures of thousands of birds, eggs, turtles and turtle eggs destined, no doubt, for the royal tables at Ur, the capital of ancient Sumer. The tablet, written in 2060 B.C., is particularly important because it lists so many rarely attested birds and turtles, many only known from literary or lexical tablets, and provides a fascinating glimpse of the culinary tastes of the Sumerians.

Pennsylvania Museum where, coincidentally, Owen began his academic career.

The Pennsylvania multivolume project will take at least another half century to

complete. However, with the aid of computer technology and an international team, Owen and his colleagues plan to complete their project in six years. The first three "sample" dictionary volumes have just been published in Rome.

The story of Sumer and its language, the sine qua non of a culture, is, in part, the story of all great civilizations that followed. Sometime around 3200 B.C., Sumerian temple scribes began writing on clay tablets with reed styluses. As time progressed, the first primitive picture signs evolved into a complex syllabic and ideographic system of writing now called cuneiform (wedge shaped), which was later adapted by the Babylonians, Assyrians, Hittites, and Canaanites to write their own languages until the Phoenician and Aramaic scripts made cuneiform writing obsolete.

For millennia, perhaps hundreds of thousands of clay tablets lay buried among the forgotten ruins in the Near East. Then, in the mid-19th century, adventurers, soldier scholars and linguists, and the first archaeologists rediscovered Sumerian and Babylonian civilization long buried in the land between the Tigris and Euphrates rivers — the region the ancient Greeks called Mesopotamia.

The monumental task before the philologists and computer scientists is to enter into a computer database some 70,000 or more cuneiform texts. Many of these tablets still are being unpacked from the very crates shipped from Iraq over a century ago. Both the thousands of published tablets and the many unpublished texts will be entered into this database.

Owen's part in this herculean project is to transliterate and enter into the computer database about 2,000 texts, primarily from the 21st century B.C., the period in which he specializes. He will travel to various museums and special collections with a portable computer and enter the data directly from the tablets. Trade records, divorce documents, loans, sales, marriage agreements, and court records are among the various kinds of documents he will translate.

In isolation, these documents often are difficult to interpret. But collectively they form an intimate portrait of how Sumerian society operated. In fact, Owen has been able to follow the careers of certain Sumerian bureaucrats by reconstructing the archives they inscribed on cuneiform tablets; he has been able to trace their rise "up the corporate ladder" as well as their family histories.

Cornell initially became involved with the project when, supported by a series of faculty humanities research grants, Owen contributed three text volumes for publication in the series, Materials for the Sumerian Dictionary, sponsored by the National Academy of Italy. Last March, during a visit to the University of Rome, he was invited to become the first American participant in the project. Recently the official invitation from the Rector of the University of Rome was received by Cornell President Frank Rhodes.

Owen's participation is funded by a grant from the provost's office and by IBM equipment supplied under the aegis of Cornell's Project Ezra. (Named in honor of Cornell's founder, Project Ezra is funded by an IBM grant valued at approximately \$8 million. It allows faculty members of all disciplines to develop microcomputer applications for their instruction and research.)

With a cross-referenced topic and index listing made possible by the computer, scholars and students will have ready access to an "incredibly rich, sophisticated society that composed epic literature and poetry, compiled elaborate bilingual dictionaries and encyclopedias, and created a wonderfully rich mythological system. They were as sophisticated as anything that arose later in Greece or Rome where the Near East was highly regarded as the source of much of their knowledge," Owen says.

"The beauty of all this is, in addition to enriching our understanding of the development of civilization in the Near East and thereby our own, that we will be able to tap into this incredible amount of data in an instant. With a computer, every meaning of every word, together with its complete context, will be instantly accessible. We will ultimately have available topical retrieval which will allow us to look up classes of words dealing with specific themes or categories such as plants, animals, weapons, musical instruments, birds, minerals, etc. Furthermore, we will constantly be expanding the database as new texts become available," Owen adds.

The real benefits, however, will be felt most acutely by future generations. Currently, each of the senior academicians affiliated with the project has a student or students working with him. Eventually, these students will use the fruits of their labors to help write their doctoral dissertations. In five to ten years, most research libraries worldwide will be able to subscribe to this electronic dictionary database, just as they subscribe to reference tools today.

"This symbiosis of the latest computer technology and the study of ancient languages demonstrates how science and the humanities can effectively benefit from each other's advances," Owen emphasizes.

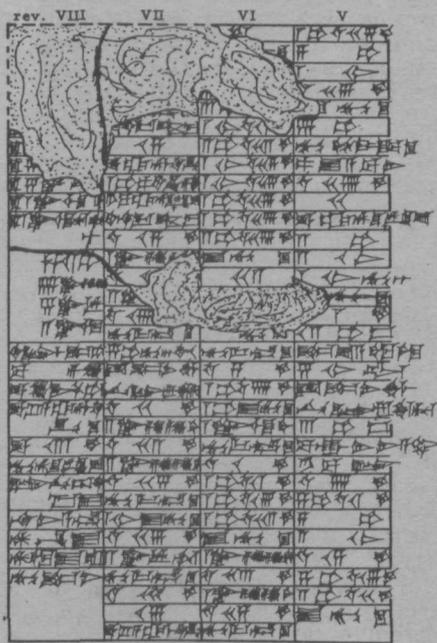


Photo (left) and hand copy by D.I. Owen of the reverse of an eight columned 250 line Sumerian account tablet from the year 2031 B.C. This account, using a double entry bookkeeping system developed by the Sumerians, was compiled by officials at the royal stockyards of ancient Sumer. It records the year's expenditures of equids and bovines destined for the royal kitchen, for festivals, for the feeding of the royal pet lions, and for gifts to officials and members of the royal family. It is typical of the texts used by scholars to reconstruct Sumerian civilization of the third millennium B.C.

Calendar

All items for publication in the Calendar sections, except for Seminar notices, must be submitted (typewritten, double spaced) by mail or in person to Fran Appgar, Central Reservations, 531 Willard Straight Hall at least 10 days prior to publication. Seminar notices should go to the Chronicle office, 110 Day Hall. Items should include the name and telephone number of a person who can be called if there are questions, and also the subheading of the calendar in which it should appear (lectures, colloquia, etc.) ALL DEADLINES WILL BE STRICTLY ENFORCED.

*—Admission charged.

Announcements

The Relationship Workshop

PERSONAL EFFECTIVENESS SEMINAR: CRESPI and Transformation Workshops are sponsoring a new 8 week series with Let Davidson, Ph.D. on developing personal qualities and skills of self-awareness and self-confidence, integrity, creativity, vitality, peace of mind. Meets Mondays, 7-10PM beginning January 29. For information and registration call 272-4131.

MAKING RELATIONSHIPS WORK: A new 8 week workshop series with Let Davidson, Ph.D., for individuals and couples on creating satisfying relationships, meets Thursday, 7-10:30PM beginning January 31. Cosponsored by CRESPI and Transformation Workshops. For information and registration call 272-4131.

Alternatives Library

Concerned about nuclear war? Many books, tapes and periodicals on disarmament and non-violent action available at the Alternatives Library, Anabel Taylor Hall, Cornell. Open to the public.

EARS

Just want to talk? That's what EARS Counselors are there for! They are trained listeners and are waiting to lend a free and confidential "ear" to listen to your feelings, help you explore your situation and discover options. EARS Counselors provide non-judgmental, short-term counseling and have access to a wealth of information about other services at Cornell, if appropriate. Walk into WSH Room 211 or call 256-EARS. Su-Th, 3-11 p.m.; Fri & Sat, 7-11 p.m.

Writing Workshop

Writing workshop walk-in service; free tutorial instruction in writing. Monday-Thursday, from 3:30-6 & 7:30-10p.m. Sunday from 3-8 p.m. in 174 Rockefeller Hall.

Olin Library Orientation

Orientation Tours: Provide an introduction to Olin's services, facilities and resources. They last approximately 45 minutes. Meet in the lobby, across from the Circulation Desk at the following times: 3 p.m. on January 31 and February 1.

Research Seminars: Provide information on RILIN (Research Libraries Information Network), COMPASS (Computer Assisted Search Service), SUBJECT SEARCH STRATEGIES, REFERENCE MATERIALS, the UNION CARD CATALOGS, U.S. GOVERNMENT PUBLICATIONS, and INTERLIBRARY SERVICES. The seminar is offered only twice this semester. Friday, Feb. 8 at 1-3 p.m. and Thursday February 21 at 7-9 p.m. Register at the Reference Desk, or call 256-3319. Meet in Olin Library room 214. Bring questions.

Off-Campus Housing Fair

Off-Campus Housing Fair is Wednesday, Feb. 13 at 10 a.m. to 3:30 p.m. in Willard Straight Hall Memorial Room. Featuring exhibits, displays and information concerning housing options for next year, transportation, utility costs and energy conservation, landlord-tenant relations, consumer issues, crime prevention and fire safety. Call 256-5373 for further information.

Reading by Edna O'Brien

Edna O'Brien, a visiting fiction writer will read at the A.D. White House on February 13 at 8 p.m.

Personal Growth Workshops

Personal growth workshops, small, 5 week discussion, skills building & support groups, begin the week of Feb. 11. All groups are free and confidential. Open to the Cornell community. Topics include: Building Satisfying Relationships (communication skills), Building Self-Esteem, General Personal Growth, Coping with Parental Divorce, Coming Out (separate sections for men & women), and Overcoming Writers' Block (for graduate students. To sign up or for more

information, please call Greta at 256-3608 or stop by 103 Barnes Hall. Registration begins Jan. 31.

Intramural - Track

Track (Men, Women). Deadline on entries: Monday, Feb. 18, at 4:00 p.m. in the Intramural Office in Helen Newman Hall. A team may consist of no more than 22 people. Each team may enter no more than 2 people in any individual event. Each individual may enter up to 3 events but no more than 2 of these may be individual events. For example:

- 2 individual events
- 2 individual events and 1 relay
- 1 individual event and 2 relays

Each team may enter no more than 1 team in each relay. Events will be held on Friday, February 22, Monday, February 25, and Tuesday, February 26.

Volleyball - (Men, Women, Co-Ed). Deadline on entries: Tuesday, February 19, at 4:00 p.m. in the Intramural Office in Helen Newman Hall. Minimum of (9) to enter...Co-Ed: (10) to enter...Equal number of men and women. Please specify your preferred day of play (1st, 2nd, 3rd choice). You do not have a choice of teams...only days...Monday through Thursday evenings in Barton Hall...Starting Monday, March 18, 1985. Forfeit fee of \$10.00 due with your roster to enter...Checks Only, payable to Dept. of P.E. & Ath., Intra. Div....If you do not forfeit any of your regularly scheduled games we will void your check at the end of the Volleyball Season...Post Date Checks "May 9, 1985". Please specify Division A or B on your roster.

Cornell Folk Song Club

The time and place for Cornell Folk Song Club folk sings has been changed. The next sing will be held from 8:00 to 11:00 p.m. Thursday, February 7, in the lounge of Upson Hall at Cornell. Participants are invited to bring their instruments or a song to share, sing along, play along or just listen.

Odyssey Storytellers

Odyssey storytellers will present stories in honor of Saint Valentines Day, Wednesday, February 13, from 7-8:30 p.m. in the Founders Room, Anabel Taylor Hall on the Cornell campus. The program is free and all are welcome, listeners and tellers alike. For more information call 257-2666.

Experimental College

Registration for Experimental College will begin February 11 to 13 at 6:00-8:00 p.m. in the Memorial Room, Willard Straight Hall. A brochure listing complete course descriptions and registration details is available at the Day Hall Information and Referral Center, Noyes Center, Robert Purcell Union and Willard Straight Hall on the Cornell Campus and the Tompkins County Public Library downtown. Call 256-7131 for more information.

Co-op Extension Student Reception

Cornell Cooperative Extension and Epsilon Sigma Phi will sponsor the second annual student reception from 4 to 5:30 p.m. Wednesday, Feb. 13, in Martha Van Rensselaer auditorium. The purpose is to inform A&LS and HumEc students, in any academic year or study area, of opportunities available through Cooperative Extension.

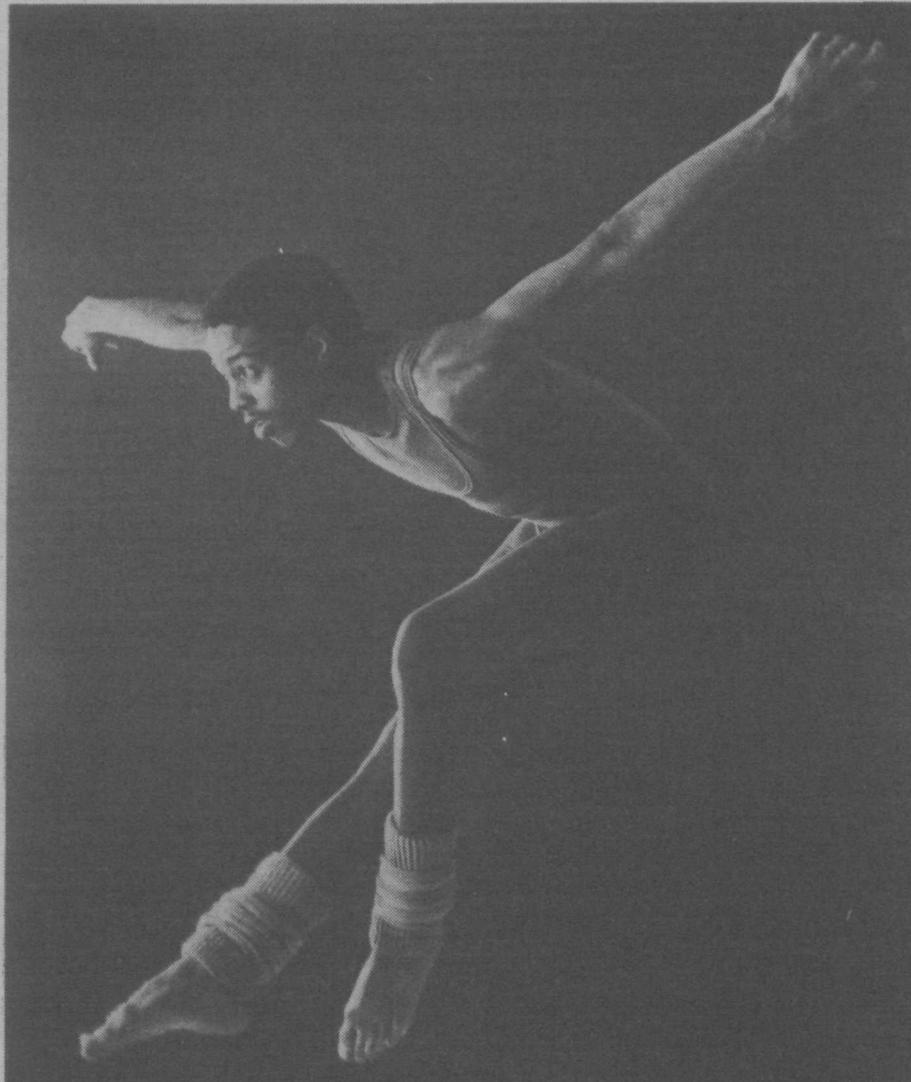
Dance

Jitterbug Club

The Jitterbug Club dances the 1st, 3rd and 5th Wednesday of every month from 9-11 p.m. in the Edwards Room in Anabel Taylor Hall. We teach beginners from 9-10 p.m. Call Jim at 273-5268 for more information.

Scottish Country Dancing

Scottish Country Dancing. Everyone welcome. Teaching for beginners is 8-10 p.m. Sundays.



The Cornell Dance Series will present Garth Fagan's Bucket Dance Theatre as part of its 1982-85 Black Dance Spectrum on Saturday, Feb. 9 at 8:15 p.m. in the Statler Auditorium. The Rochester-based troupe, with Norwood Pennewell pictured here, along with such greats as the Alvin Ailey American Dance Theatre, was recently seen on PBS television's Great Performances as part of "Dance Black America." Tickets may be purchased at McBooks in downtown Ithaca, the Willard Straight ticket office, the Dance Office in Helen Newman Hall and at the door. For information call 256-2360 between 9 a.m. and noon, daily.

February 1985						
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except the 1st week of every month. We meet Mondays, 8-10 p.m. at 213 S. Geneva Street. For more information call 272-6229.

Country Dancers

The Country Dancers meet each Tuesday 7:30-9:30 p.m. in Martha Van Rensselaer Hall (lobby near "Martha's") for English and contra dancing. No partners needed. Beginners welcome—each dance is taught. For more information call Connie at 272-1931.

Israeli Folk Dancing

Israeli Folk-Dancing every Thursday from 8:00-11:00 p.m. in the One World Room, Anabel Taylor Hall. Everyone welcome.

Films

Unless otherwise noted films are sponsored by Cornell Cinema.

Thursday

Feb. 7, 8:00 p.m. *Uris Auditorium. "A Question of Silence", (1982), directed by Marleen Gorris, with Cox Habbema and Nelly Frijda. Open. Cosponsored by Ithaca College "Women Direct".

Friday

Feb. 8, 9:45 p.m. *Uris Auditorium. "Under the Volcano", (1984), directed by John Huston, with Albert Finney and Jacqueline Bisset.

Feb. 8, 12:00 p.m. *Uris Auditorium. "Ziggy Stardust and the Spiders from Mars", (1983), directed by D.A. Pennebaker, with David Bowie and Ringo Starr. Cosponsored by Cornell Concert Commission.

Saturday

Feb. 9, 7:30 p.m. *Uris Auditorium. "Under the Volcano", (1984), directed by John Huston, with Albert Finney and Jacqueline Bisset.

Feb. 9, 8:00 p.m. *Anabel Taylor Hall. "The More the Merrier", (1943), directed by George Stevens, with Jean Arthur and Joel McCrea.

Feb. 9, 10:00 p.m. *Uris Auditorium. "Ziggy Stardust and the Spiders from Mars", (1983), directed by D.A. Pennebaker, with David Bowie and Ringo Starr. Cosponsored by Cornell Concert Commission.

Sunday

Feb. 10, 2:00 p.m. Johnson Museum. "Andy Warhol's Last Love", (1980-82), directed by Squat Theater, with Squat Theater. Cosponsored by NYSCA and Theatre Cornell.

Feb. 10, 2:00 p.m. *Uris Auditorium. "Little Women", (1933), directed by George Cukor, with Katharine Hepburn and Joan Bennett. Cosponsored by the Ithaca Youth Bureau.

Feb. 10, 8:00 p.m. *Uris Auditorium. "Charles Samu Presents Animation", recent animation from Bulgaria, Hungary and other East European countries.

Monday

Feb. 11, 7:00 p.m. *Uris Auditorium. "Chimes at Midnight", (1967), directed by Orson Welles, with Orson Welles and Jeanne Moreau. Cosponsored by the English Department.

Feb. 11, 9:00 p.m. *Uris Auditorium. "Loves of a Blonde", (1965), directed by Milos Forman, with Hanna Brejchova and Vladimir Pucholt. Film club members only. Shown with: Tango (1981), directed by Zbigniew Rybczynski.

Tuesday

Feb. 12, 4:30 p.m. Rockefeller D. Room 230. Rockefeller Hall. "Islam", b&w. The film is in two parts. The first discusses the founding of Islam as a religion of precision and orderliness in which the believer seeks peace by submitting himself to God. The second sets out the five "pillars" of Islam and the teachings of the Koran pertaining to everyday life. Sponsored by South-east Asia Program.

Feb. 12, 8:00 p.m. *Uris Auditorium. "Guest Filmmaker, Wojciech Marczewski Presents: Shivers (Dreszoze)", (1981), directed by Wojciech Marczewski, with Tomasz Hudziec and Theresa Marczewska. Cosponsored by CCPA.

Wednesday

Feb. 13, 4:30 p.m. Uris Auditorium. "Street of Shame", (1956), directed by Kenji Mizoguchi, with Machiko Kyo and Aiko Mimasu. Cosponsored by China-Japan Program.

Feb. 13, 8:00 p.m. *Uris Auditorium. "Diary for my Children", (1983), directed by Marta Meszaros, with Zsuzsa Czinkoczi and Anna Polony. Cosponsored by CCPA.

Thursday

Feb. 14, 4:30 p.m. Uris Auditorium. "Solo Sunny", (1979), directed by Konrad Wolff, with Renate Krossaer and Dieter Montag. Cosponsored by CCPA, Pandemonium germanicum and German Literature.

Feb. 14, 8:00 p.m. *Uris Auditorium. "Time Stands Still", (1982), with Guest Speaker: Maria Racheva, directed by Peter Gothar, with Istvan Znamenak and Henrik Pauer. Cosponsored by CCPA.

Friday

Feb. 15, 7:00 p.m. *Uris Auditorium. "Camouflage", (1976), directed by Kreystof Zanussi, with Piotr Garlicki and Zbigniew Zapaoewics. Cosponsored by Arts College Pentangle Program and CCPA. Filmmaker present.
Feb. 15, 7:30 p.m. *Statler Auditorium. "Dr. Strangelove", (1964), directed by Stanley Kubrick, with Peter Sellers and George C. Scott.
Feb. 15, 9:45 p.m. *Statler Auditorium. "Star Wars", (1977), directed by George Lucas, with Mark Hamill and Harrison Ford.
Feb. 15, 10:00 p.m. *Uris Auditorium. "Contract", (1980), directed by Krzysztof Zanussi, with Leslie Caron. Cosponsored by CCPA. Filmmaker present.

Saturday

Feb. 16, 7:00 p.m. *Statler Auditorium. "Star Wars", (1977), directed by George Lucas, with Mark Hamill and Harrison Ford.
Feb. 16, 7:00 p.m. *Uris Auditorium. "Imperative", (1982), directed by Krzysztof Zanussi, with Leslie Caron and Robert Powell. Cosponsored by CCPA. Filmmaker present.
Feb. 16, 9:45 p.m. *Statler Auditorium. "Dr. Strangelove", (1964), directed by Stanley Kubrick, with Peter Sellers and George C. Scott.
Feb. 16, 10:00 p.m. *Uris Auditorium. "The Year of the Quiet Sun", (1984), directed by Krzysztof Zanussi, New York premiere! Cosponsored by CCPA. Filmmaker present.
Feb. 16, 12:00 p.m. *Statler Auditorium. "Star Wars", (1977), directed by George Lucas, with Mark Hamill and Harrison Ford.

Sunday

Feb. 17, 2:00 p.m. *Johnson Museum. "Quarry", (1968), directed by Amram Nowak, with Meredith Monk. Shown with Paris, with Meredith Monk and Ping Chong.
Feb. 17, 2:00 p.m. *Uris Auditorium. "From the Mixed-Up Files of Mrs. Basil E. Frankweiler", (1973), directed by Fielder Cook, with Ingrid Bergman and Sally Prager. Cosponsored by Ithaca Youth Bureau.
Feb. 17, 8:00 p.m. *Uris Auditorium. "The Shop Around the Corner", (1940), directed by Ernst Lubitsch, with James Stewart and Margret Sullivan.

Lectures

Thursday

Feb. 7, 12:20 p.m. 102 West Ave. Southeast Asia Program: "The Indonesian-English Dictionary Project", John Wolff, Professor of Linguistics and Asian Studies, Cornell University.
Feb. 7, 4:40 p.m. James Law Auditorium in Schurman Hall. Robert J. Lefkowitz, M.D. "Adrenergic Receptors: Regulation at the Biochemical, Physiological and Clinical Levels". Dr. Lefkowitz is the James B. Duke Professor of Medicine at the Duke University Medical Center and the 1983 recipient of the Lita Annenberg Hazen Award for Excellence in Clinical Research. Sponsored by the James Law Distinguished Lecturer Series.

Friday

Feb. 8, 12:15 p.m. 202 Uris Hall. Western Societies Program: "Growing up in Europe." A luncheon discussion group with Diarmuid Maguire (Northern Ireland), Gudmundur Halfdanarson (Iceland), Michael Greve (Germany), and Christine Sparfel (Brittany).
Feb. 8, 8:30 p.m. One World Room, Anabel Taylor Hall. Hillel Foundation: "Religion as a Science, Science as a Religion", Rabbi Imanuel Schochet, Professor of Philosophy, Humber College, Toronto, Visiting Professor of Medical Ethics at the University of Toronto.

Monday

Feb. 11, 4:30 p.m. Kaufmann Auditorium. Society for the Humanities: "Watteau's Italian Comedians: A Tercentenary Tribute". Daniel Heartz, University of California, Berkeley; Fellow, Society for the Humanities.
Feb. 11, 7:30-9:00 p.m. One World Room, Anabel Taylor Hall. Center for World Community and IRIM: "Our Treatment of the Environment of Earth", Richard McNeil, Assistant Professor, Natural Resources.

Wednesday

Feb. 13, 7:30 p.m. Kaufmann Auditorium. "The U.S.-Israel Relationship Today and the Power of the Pro-Israel Lobby", Jonathan Kessler, American-Israel Political Action Committee. Sponsored by Friends of Israel.
Feb. 13, 7:30-9:00 p.m. One World Room, Anabel Taylor Hall. Center for World Community and IRIM: "Our Treatment of the Environ-

ment of Earth", Richard McNeil, Assistant Professor, Natural Resources.

Thursday

Feb. 14, 12:20 p.m. 102 West Avenue. Southeast Asia Program: "Notes on the Birth and Infancy of U.S. Indo-China 'Policy'", Lauriston Sharp, Goldwin Smith Professor Emeritus of Anthropology and Asian Studies, Cornell University.

Feb. 14, 4:30 p.m. Hollis E. Cornell Auditorium, Goldwin Smith Hall. Public lecture: "What to do About Nuclear Weapons," by Richard L. Garwin, IBM Fellow, Thomas J. Watson Research Center, and A.D. White Professors-at-large. Sponsored by program for Andrew D. White Professors-At-Large.

Friday

Feb. 15, 12:15 p.m. 202 Uris Hall. Western Societies Program: "Dividing Up Europe: The Yalta Conference Forty Years Later." A luncheon discussion group with Walter LaFeber (History), Richard Rosecrance (Government), and John Weiss (History).

Feb. 15, 2:00 p.m. James Law Auditorium in Schurman Hall. New York State College of Veterinary Medicine at Cornell: Dean Franklin M. Loew, DVM, Ph.D. of the Tufts Veterinary Medical School. "On the Shoulders of Giants". Dr. Franklin Loew is the Dean of the School of Veterinary Medicine at Tufts University in Boston.

Feb. 15, 4:00 p.m. 177 Goldwin Smith Hall. Department of German Literature: Klaus Berghahn, University of Wisconsin-Madison. "Schillers mythologische Symboliklerlautert am Beispiel der Gotter Griechenlands".

Meetings

Tuesday

Cornellesbians hold weekly meetings. Call 256-6482 for specific location and discussion topic.

The Cornell Outing Club holds weekly meetings. The meeting time is 7:30 at Japes (behind Noyes Lodge with the canoes on the roof).

Thursday

GAYPAC holds weekly business meetings in Loft III, Willard Straight Hall at 7 p.m. Discussion to follow at 8 p.m. Call 256-6482 for more information.

Music

Cynthia Raim to Play in Concert

Guest artist Cynthia Raim will present the inaugural recital on the Jeffrey Kovner Memorial Piano at Cornell's Barnes Hall auditorium at 4 p.m. Sunday, Feb. 10. The concert grand is a gift of Doris and Walter Kovner in memory of their son. The recital is open to the public free of charge.

Jeffrey Kovner was graduated from the Cornell University College of Arts and Sciences in 1967 with distinction in all subjects. An English major, he was elected to Phi Beta Kappa. Greatly interested in music, while at Cornell he studied piano with Professor John Kirkpatrick and participated in student recitals at Barnes



CYNTHIA RAIM, Piano

Hall in 1965 and 1966.

For the inaugural program, Miss Raim has chosen Fantasiestucke, Opus 12 by Robert Schumann, Carnival Music (1971) by the contemporary American composer George Rochberg, and the Sonata No. 3 in B minor, Opus 58 by Frederic Chopin.

A native of Detroit, where her teacher was Mischa Kottler, Raim made her debut at age 9 with the Detroit Symphony, the youngest soloist ever in the orchestra's history to perform an entire concerto. As a scholarship student at the Curtis Institute of Music, she studied with Rudolf Serkin and Mieczlaw Horszowski. She won the J.S. Bach International Competition and the Three Rivers National Piano Competition before graduating in 1977, and she became the first American woman to win the prestigious First Prize at the Clara Haskill International Competition in Switzerland.

After a recent duo recital, the New York Times reviewer commented that her "sheer technique... and sensitive phrasing brought much to the music."

Sunday

Feb. 10, 4:00 p.m. Barnes Hall. Cynthia Raim, piano. Works of Schumann, Rochberg, Chopin (Inauguration of the Jeffrey B. Kovner Memorial Piano).

Thursday

Feb. 14, 8:15 p.m. Statler Hall. Alban Berg Quartet. Works of Mozart, Berg, Beethoven (Series event).

Saturday

Feb. 16, 8:15 p.m. Barnes Hall. 18th Century Chamber Music: Rebecca Harris-Warwick, Jerrold Meinwald, flute; Lynden Cranham, cello; Sandra Mangsen, harpsichord; George Barth, fortepiano.

Sunday

Feb. 17, 4:00 p.m. Barnes Hall. Sonata Recital: Robert Seletsky, violin; William Cowdery, harpsichord; Ruth Berry, cello. Works of Bach, Handel (Bach Festival).

Religious Services

Catholic

Mon.-Fri., 12:15 p.m. Anabel Taylor Chapel. Catholic Mass.

Every Saturday, 5 p.m. Anabel Taylor Auditorium. Catholic Mass.

Every Sunday, 9:30 & 11 a.m., 5 p.m. Anabel Taylor Auditorium. Catholic Mass. Sacrament of Reconciliation by appt. G-22 Anabel Taylor Hall.

Christian Science

Every Thursday, 7 p.m. Anabel Taylor Founders Room.

Episcopal

Every Sunday, 9:30 a.m. Anabel Taylor Chapel.

Friends (Quakers)

Every Sunday Anabel Taylor Edwards Room. Meeting for Worship at 11 a.m.; Adult Discussion and First Day School at 9:45 a.m. Babysitting provided.

Korean Church

Every Sunday, 3 p.m. Anabel Taylor Chapel.

Lutheran

Every Sunday, 10:45 a.m. Worship Service. Sunday Church School at 9:30 a.m.

Muslim

Every Friday, 1 p.m. Anabel Taylor Edwards Room. Juma Prayer. Anabel Taylor 218, Zuhr, Asr and other prayers.

Every Sunday, 12:30 p.m. Anabel Taylor Hall. Sunday meeting, discussion groups, children's classes, etc.

Protestant Cooperative Ministry

Every Sunday, 11:15 a.m., Anabel Taylor Chapel.

Seventh Day Adventists

Every Friday, 7:30 p.m. Anabel Taylor Room 314.

Sunday

Feb. 10, 11:00 a.m. Sage Chapel. Speaker: David H. C. Read, Minister, Madison Avenue Presbyterian Church, New York, N.Y.

Feb. 17, 11:00 a.m. Sage Chapel. Ninth Annual Festival of Black Gospel, (Preacher to be announced).

Seminars

Agronomy: "Quantifying Pesticide Adsorption and Degradation During Transport," R. J. Wagenet, 4 p.m. Tuesday, Feb. 12, 135 Emerson.

Atomic and Solid State Physics: (Theory Seminar) "Cohesion and Dynamics in Graphite Intercalation Compounds," David DiVincenzo, Cornell, 1:15 p.m. Thursday, Feb. 7, 701 Clark Hall.

Biochemistry: "The Archaeobacteria:

Biochemistry of Methanogens," Ralph S. Wolfe, University of Illinois, 4:30 p.m. Friday, Feb. 8, 204 Stocking Hall.

Biophysics: "Intersegmental Coordination in the Lamprey," Avis Cohen, Neurobiology, and Philip Holmes, Theoretical and Applied Mechanics, 2:30 p.m. Wednesday, Feb. 13, 700 Clark Hall.

Cassava: "Research Priorities for Cassava in Africa," 9 a.m. to 4 p.m. Saturday, Feb. 16, 401 Warren Hall. Admission free; a \$2 donation will be requested for lunch.

Chemical Engineering: "Molecular Modeling of Polymeric Glasses," Doros Theodorou, MIT, 4:15 p.m. Tuesday, Feb. 12, Olin 145(A).

Chemistry: "Application of FAB Mass Spectrometry to the Chemistry of Natural Products," Kenneth L. Rinehart Jr., 4:40 p.m. Monday, Feb. 11, Baker 119.

Design and Environmental Analysis: "Cooperative Extension: Putting Knowledge to Work," Jean McLean, 4:30 p.m. Tuesday, Feb. 12, 317 Van Rensselaer Hall.

Electrical Engineering: "Engineering Career Forum: An Introduction for Freshmen and Sophomores to Careers, Job Opportunities and Graduate Study Available in Electrical Engineering," Deanna Sklenak, DEC; Glenn Thoren, Raytheon; Jim Taschetta, Grad, 4:30 p.m. Wednesday, Feb. 13, 155 Olin Hall.

Environmental Research: "Predicting Social Acceptance of Future Technologies: Advanced Concepts for Nuclear Reactors," Steve Rayner, Oak Ridge National Laboratory, 8 p.m. Thursday, Feb. 7, Rockefeller 105.

Environmental Toxicology: "Genetic Influence on Drug Metabolism," Dr. John Babish, Preventative Medicine, Cornell, 12:15 p.m. Friday, Feb. 8, N207 Martha Van Rensselaer Hall.

Floriculture and Ornamental Horticulture: "Kentucky Bluegrass Evapotranspiration, Effect of Surfactants on Total Resistance to Waterflow in the Soil-Plant-Atmosphere Continuum," Mark Carrol, 12:15 p.m. Thursday, Feb. 14, 37 Plant Science.

Food Science: "Yams and Potatoes Around the World," Nell Mondy, 4:30 p.m. Tuesday, Feb. 12, 202 Stocking Hall.

Genetics: "Evolution of Regulatory Information at the Alcohol Dehydrogenase Locus in the Drosophila Mulleri Subgroup," David Sullivan, Biology, Syracuse University, 4 p.m. Monday, Feb. 11, 135 Emerson Hall.

Geological Sciences: TBA, 4:30 p.m. Tuesday, Feb. 12, Sneez 1120.

International Nutrition: "Cornell's International Agriculture Program and Center for Analysis of World Food Issues," Edwin Oyer, director of international agriculture and professor of vegetable crops, noon Thursday, Feb. 7, 130 Savage Hall.

Jugatae: "Hormonal Regulation of Parasite Development by Insect Hosts," Pauline Lawrence, 4 p.m. Monday, Feb. 11, 100 Caldwell Hall.

Mechanical and Aerospace Engineering: "Synthesis of Advanced Power Transmissions," Steve M. Rohde, General Motors Research Labs, 4:30 p.m. Tuesday, Feb. 12, 282 Grumman Hall.

Microbiology: "Microbiology and Ecology of Anaerobic Degradation of Alcohols and Polyethers," Bernhard Schink, Univ. Konstanz, FRG, 4:30 p.m. Thursday, Feb. 7, 124 Stocking Hall.

Microbiology: "The Archaeobacteria: Biochemistry of Methanogens," Ralph Wolfe, University of Illinois, 4:30 p.m. Friday, Feb. 8, 204 Stocking Hall.

Ornithology: "Diamond Peak Remembered—Vignettes from Living on a Wildlife Refuge," Donald Weber, naturalist, author and photographer, 7:45 p.m. Monday, Feb. 11, Ornithology Laboratory.

Plant Biology: "The Role of Potassium in Assimilate Partitioning," Dick Vreugdenhil, Agricultural University, Wageningen, the Netherlands, 11:15 a.m. Friday, Feb. 8, 404 Plant Science.

Plant Pathology: "Selective Isolation, Cultural Variability and Control of Fusarium Osyosporum f. sp. apii, Causing Fusarium Yellows of Celery," Richard Awuah, 4:30 p.m. Tuesday, Feb. 12, 404 Plant Science.

Plasma Studies: "Proton Ring Trapping in a Magnetic Mirror," P. D. Pedrow, Cornell, 4:30 p.m. Wednesday, Feb. 13, 282 Grumman Hall.

Psychology: "Sherlock Holmes and William James: The Case of the Artist Monque," Dr. Howard Feinstein, Psychology, Cornell, 3:30 p.m. Friday, Feb. 8, 202 Uris Hall.

Remote Sensing: "Satellite Remote Sensing for Crop Inventory in New York," Vicki Williams and Daniel Gordon, Cornell, 4:30 p.m. Wednesday, Feb. 13, 110 Hollister Hall.

PEOPLE

'In Touch' Clint Smith Wins MTV Contest, Car

By LISA H. TOWLE

Clinton Smith, a materials handler at Noyes Center, is not, as the Hall & Oates song goes, "out of touch." Just ask his four kids, they'll tell you. No generation gap here. After all, it's not everyday that someone, particularly a 49-year old dad, is wined and dined by one of the nation's hottest rock duos and music-video networks.

Perhaps we should begin at the beginning. Smith began listening to rock n' roll when his children, now aged 23, 19, 16, and 14, first discovered pop music. Rather than beat 'em, Smith decided the way to keep peace in the youth dominated household was to join 'em. From then on, modern music was a fact of life and today Smith says he likes "most any type of music except heavy opera."

When MTV (the Music Television cable offering) came along, the family quickly picked up on it. "It is hard to ignore MTV," states Smith with a laugh. "It is always on."

Last November, his daughter, Tara, urged her father to enter a contest sponsored by MTV. The grand prize included an evening with singing stars Daryl Hall and John Oates, participation in a "Lear Jet Rally," a new car, clothes, and a stereo system. Despite the fact that he'd "never won anything of great value," Smith bowed to Tara's request.

Determined to see her father win, the youngest member of the Smith clan went to work and spent three days filling out 200 entry postcards with her father's name and address. In late November, MTV, which is received in 25.4 million homes across the country, announced the winners in a "live" show. Clinton Smith, to his "utter amazement," was one of them.

In all, four people — one from each time zone in the U.S. — were chosen as grand prize winners. The piece de resistance of the contest is a Lear jet race to Oklahoma City for a Hall & Oates concert tonight. The winners from the Eastern and Central time zones will be on a jet with Daryl Hall. Those from the Moun-

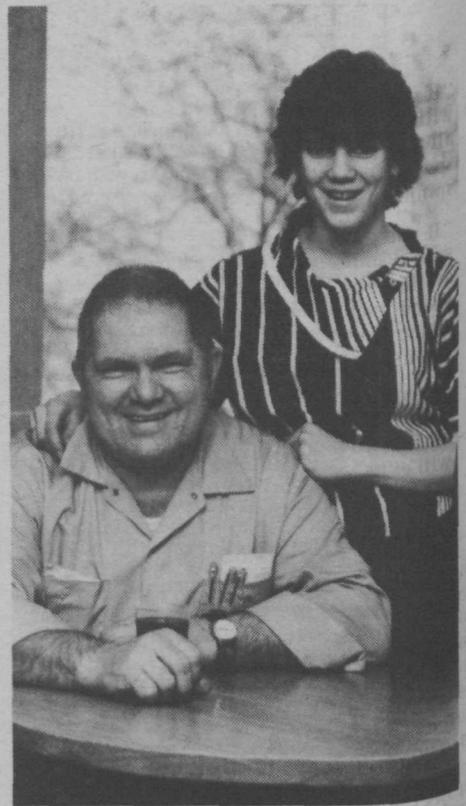
tain and Pacific time zones will be on a jet with John Oates.

Taking off from equally distant departure points, both jets raced Wednesday to Oklahoma. At press time, the winner of the race was not known. The first team to arrive splits a \$25,000 jackpot. All four MTV VIPs will dine with the singers and will be given front row seats and backstage passes for the concert.

Disappointed that he was not able to take Tara along as his guest at the concert because of her age, Smith gave her the stereo and ordered a jeans outfit in her size. Twenty-three year old Clint, Jr. accompanied his father to Oklahoma City. Sometime after returning to Ithaca Friday, Smith will receive a 1985 Pontiac Fiero — a welcome addition "considering the shape my van is in."

As for his half of the \$25,000 if his team wins the race, well, fun is fine but Smith's pragmatic spirit assures that he keeps both feet planted firmly on the ground.

"I will," he announces, "remodel our bathroom if my team wins."



Clinton and Tara Smith

Helene Dillard has been appointed assistant professor of plant pathology at the Geneva Agricultural Experiment Station.

Dillard's position is 50 percent extension and 50 percent research. The research activities will address problems with diseases affecting New York vegetable crops with particular emphasis on soil-borne diseases. Included in this research will be investigation of the ecology of pathogens and the epidemiology of diseases. Programs will be developed for integrated management of diseases using biological, cultural, and chemical controls.

She will also have primary responsibility for extension pathology of processing vegetables, especially in western New York state. Her responsibilities are to extend the results of researchers and integrated pest management personnel to cooperative extension agents, growers, and processors.

James T. Jenkins has been promoted to professor in the department of theoretical and applied mechanics in the College of Engineering. A specialist in the continuum mechanics of materials with micro-structure, Jenkins has been on the Cornell

faculty since 1972. He is widely recognized for his research on the flows of granular materials, the mechanics of liquid crystals, and the mechanics of biological membranes such as the red blood cell.

Kraig Adler, professor of biology at Cornell University, has been selected by the National Academy of Sciences as one of 16 senior scholars to participate in the Distinguished Scholar Exchange Program with the People's Republic of China.

He will spend more than one month in China during 1985, lecturing at various universities and institutes throughout China and conducting field research in Sichuan Province.

Adler, who is in the Division of Biological Sciences, is recognized internationally for his research on animal orientation and navigation. A member of the faculty of the New York State College of Agriculture and Life Sciences at Cornell since 1972, Adler received the B.A. degree from Ohio Wesleyan University (1962) and the M.S. (1965) and Ph.D. (1968) degrees from The University of Michigan.

K. Bingham Cady, associate professor of nuclear science and engineering, has been named full professor in the School of Applied and Engineering Physics and associate dean for professional programs in the College of Engineering.

A specialist in nuclear fission reactor design, modeling reactor system transients for reliability and safety, and probabilistic risk assessment, Cady has been a member of the Cornell faculty since 1962.

At Cornell, Cady has developed a number of new courses in nuclear engineering, and currently serves as chairman of the Graduate Professional Programs Committee and as director of the Engineering Cooperative Program and the Engineering Placement Office.

Nicholas A. Salvatore has been elected an associate professor in the State School of Industrial and Labor Relations. Salvatore, who has also taught at Holy Cross College, is known nationally for his work on the life of labor leader Eugene V. Debs and the history of radical reform in the American labor movement. Since 1981, he has been an assistant professor at Cornell. He teaches an undergraduate course in labor in industrializing America: 1865-1920. In 1983, Salvatore won the Bancroft Prize in American History, awarded annually to the outstanding book about American history.

Muriel Brink of the Division of Nutritional Sciences has been promoted to the rank of full professor. The division is a joint unit of the State College of Human Ecology and the State College of Agriculture and Life Sciences. A member of the Cornell faculty since 1979, Brink specializes in nutrition education. She has served as program leader of the Expanded Food and Nutrition Program (EFNEP) since 1979, and as leader of Cooperative Extension programs in the division since 1981.

Jerry Rivers of the Division of Nutritional Sciences has been awarded the title of professor of human nutrition, emeritus. A member of the Cornell faculty since 1962, Rivers is well-known for her research on vitamin C metabolism. She also was instrumental in initiating and leading the graduate program in clinical nutrition in the division, a joint unit of the State College of Human Ecology and the State College of Agriculture and Life Sciences.

Calendar

Continued from Page 9

Rural Studies: "Research Without Leaders: 3 Years' Experience of the Cornell Ecological Agricultural Cooperative," Group presentation by members representing seven departments with CALS, 12:15 p.m. Thursday, Feb. 7, 401 Warren Hall.

Statistics: "Simplicity and Structure in Underlying Systems of Linear Relationships," Tom Greene, Graduate Student, ILR, 3:30 p.m. Wednesday, Feb. 13, 105 or 120 ILR Conference Center.

Theoretical and Applied Mechanics: "Cumulative Damage and Fatigue Life Prediction," Tiiu V. Kutt, Columbia University, 4:30 p.m. Wednesday, Feb. 13, 205 Thurston Hall.

Vegetable Crops: Title TBA, Steven R. Temple, plant breeder in the CIAT Bean Program in Cali, Colombia, 9 a.m. Thursday, Feb. 7, 404 Plant Science.

Vegetable Crops: "Photoperiod-Temperature Control of Tubercization in Potatoes," Elmer E. Ewing, Vegetable Crops, 4:30 p.m. Thursday, Feb. 14, 404 Plant Science.

Women in Development Group: "Methodological Strategies for Incorporating Women into Research Agendas," 8:30 a.m. to 4 p.m. Saturday, Feb. 9, 401 Warren Hall.

Sports

Thursday
Feb. 14, 7:00 p.m. Helen Newman. Men's JV

Basketball-Binghamton.

Friday

Feb. 15, 5:00 p.m. Barton Hall. Men's JV Basketball-Alfred State.

Feb. 15, 7:30 p.m. Barton Hall. Men's Basketball-Harvard.

Saturday

Feb. 16, 10:00 p.m. Grumman Squash Courts. Men's Squash-Columbia.

Feb. 16, 12:00 p.m. Helen Newman. Women's Swimming-Harvard.

Feb. 16, 2:00 p.m. Lynah Rink. Women's Hockey-Dartmouth.

Feb. 16, 3:00 p.m. Teagle Hall. Men's Swimming-Harvard.

Feb. 16, 4:00 p.m. Grumman Squash Courts. Men's Squash-Rochester.

Feb. 16, 5:00 p.m. Lynah Rink. Men's JV Hockey-Welland Seniors.

Feb. 16, 7:30 p.m. Barton Hall. Men's Basketball-Dartmouth.

Sunday

Feb. 17, 2:00 p.m. Lynah Rink. Women's Hockey-Harvard.

Theater

Monday

Feb. 11, 8:00 p.m. *Drummond Studio, Lincoln Hall. Theatre Cornell's New Works Script-in-Hand series will resume with a reading of Paul D'Andrea's "Payback".

East Europe Film Festival

An international group will assemble in Ithaca this Sunday to attend Cornell Cinema's weeklong festival of recent East European films. Beginning Feb. 10 and running through Feb. 16, the exposition will feature four speakers, including two filmmakers.

Polish filmmaker Krzysztof Zanussi will be on hand Feb. 15 and 16 for the screenings of four of his most recent works. Zanussi, considered the moralist among the second wave of contemporary Polish filmmakers, has been described as "beyond any doubt the most important new Polish director to appear since the generation of Wajda and Munk."

Zanussi's 1976 film, *Camouflage*, will be shown Friday, Feb. 15 at 7 p.m. in Uris Auditorium. Later that evening, at 10, his 1980 work, *Contract* will be shown. At 7 p.m. on Saturday, Feb. 16 in Uris Auditorium "Imperative" — winner of the special jury prize at the Venice Film Festival — will be screened. The fourth Zanussi film, *The Year of the Quiet Sun*, is not only a premiere in Ithaca, but New York State, as well.

Other visitors to the festival will be Bulgarian film scholar Maria Radcheva. She will introduce the Hungarian film, *Time Stands Still*, on Thursday, Feb. 14, at 8 p.m. in Uris Auditorium. This film was a New York Film Festival selection and appeared on *The Village Voice's* 10 best film list for the year.

Charles Samu, director of international film programs, will be at Uris Auditorium on Feb. 10 at 8 p.m. to present a selection of exceptional animated works from Bulgaria, East Germany, and Hungary.

The week's fourth visitor will be Polish director Wojciech Marczewski, whose 1981 film *Shivers* recently had its American premiere at the 1984 New York Film Festival after Polish government restrictions on the film's export were lifted. *Shivers* can be seen at Uris Auditorium at 8 p.m. Tuesday, Feb. 12.

Concluding the festival will be an informal discussion on the current state of East European filmmaking at 2 p.m. on Saturday, Feb. 16 in Uris Hall, room 202. Marczewski, Radcheva, and Zanussi will attend this free to the public forum.

The Council of the Creative and Performing Arts funded the festival, one of the most ambitious programs organized by Cornell Cinema.

Anthropologist Aims for Gender Appreciation

Kathryn March Seeks Respect for Social and Cultural Visions of Women

"If you go in marriage with a northern man, all that you'll spend your time doing is spinning at the spinning wheel.

"If you go in marriage with a southern man, all that you'll spend your time doing is winnowing and culling through frayed gossip.

"If you go in marriage with a village headman, all that your many guests will ever leave for you to eat are the bones and gristle."

(Tamang song)



Shortly after arriving to live in the Tamang community, March was given a full set of traditional women's clothing to wear. Had she not worn the clothing daily, it would have been considered an insult against the people and their customs.

exist at the margins of the caste system of Nepal. Although the Tamang have often been undervalued and discriminated against in Nepal, they are recognized as skilled composers of poignant songs, including some that chronicle the singer's life and express personal laments.

It is these songs and narratives that March is juxtaposing, editing, and analyzing with the support of The Bunting Institute and NEH. By doing this, she hopes to illustrate systematically in a book on "The Words and Worlds of Tamang Women," how different types of relationships are important to Tamang women and that they are an integral part of the social fabric of their society.

Truly listening to these women's stories means an increased understanding of the women's world in general, and the fact that females are not necessarily manipulated or constrained only by men's rules or the rules of patriarchy, but are actively engaged in defining themselves and their own life system, March says.

March's related research involves revising the way anthropologists judge communities' perceptions of sex differences and how these abstract ideas and beliefs about gender affect the way individuals perceive themselves, their behavior, and accomplishments.

"In every cultural system we know, people make a great deal about sex differences. These differences, and the way they affect our behavior are important and complex. Yet popular anthropology takes these ideas and makes a simple road map out of them that says 'here are the rules that define behavior, follow them or be damned.' Such an attitude trivializes gender differences. My theory is that gender belief does not operate in that simple way. Things are not as clear cut as little boys are blue and little girls are pink," March asserts.

She adds: "My job is to show that within the context of cultural anthropology the interaction between gender belief systems and the actions of sexed individuals is complex and important."

March warns that she doesn't feel role differences should necessarily bring about divisiveness. "One of the saddest tales of development around the world is that problems between men and women often seem to have been exacerbated. Instead of people recognizing and understanding the vital

roles each of us play, countries following the lead of the United States have begun to think differences — whether of sex, race, ethnicity, or religion — have to be totally erased for equality to be possible. All of us should be more complex and creative when we stand together than we are when we stand alone. It is a great contemporary challenge to recognize, even celebrate, our differences, without making them the basis of prejudice, restriction or oppression."

—Lisa H. Towle



Part of March's work in Nepal included mapping the Tamang community. Here, her guide is pointing out various sites in the region. A denim hat was her one concession to Western wear and the Tamang accepted it as her 'mark' — so she'd remember who she was.

Kathryn March is an anthropologist angling for some respect — respect for the social and cultural visions of women. Her tools for this search include the words, songs, and life stories of the Tamang women of highland Nepal. But once her quest is completed, a symbolic victory will have been won for all women, not just those in the tiny South Asia kingdom.

The final phases of March's ongoing project will take place, in part, while she visits Radcliffe College's Bunting Institute on a non-tenured Faculty Fellowship and in part with the support of a translation grant from the National Endowment for the Humanities. An assistant professor of anthropology at Cornell, March focuses on the anthropology of sex and gender. At the same time, she is making a case for her own tenure by devoting herself to research.

March's premise is simple: if traditional anthropological descriptions of a society took into account women's views, the characterization of that society would be quite different.

She realizes what a challenge her premise is to western academic anthropology.

"Viewing women's stories as merely complementary to men's is a wrong that must be righted," she says.

Challenges are nothing new to March, just witness her schedule. She holds a joint appointment in the department of anthropology and women's studies at Cornell, and is affiliated with the university's Asian Studies, International Development, and Biology and Society programs. International consulting "rounds out" her time.

Since 1977, March has been tape recording and translating the life histories of 14 Tamang women. The Tamang, she explains, are a highland ethnic group that



The Tamang women, who greatly value the ability to weave, were very puzzled by March's lack of weaving skills. Members of the community quickly set out to teach her how to set up and use a loom.

Adirondack Hamlets Face Severe Economic Slump

Cornell Group Studies Plight of 'Forever Wild' Settlements

Bypassed by technology and frozen in time, communities in New York State's majestic Adirondack region face such a severe economic slump that it will take major planning and investment to revitalize the area, according to a new study directed by a Cornell University researcher.

Equal in size to Vermont, the six-million-acre Adirondack Park, as the region is called, is the largest park in the continental United States and the biggest wilderness area east of the Mississippi River. About 40 percent of the land remains a "forever wild" forest preserve.

Nestled high in this alpine region are 135 hamlets with a combined population of about 125,000. The "forever wild" land of the park has been safeguarded since before the turn of the century, but what has gone unattended is planning for the future of the settled areas of the park. At stake, in fact, is the very survival of the residents in the region.

"The majority of the Adirondack communities are either too small, too poor, or too disorganized that they alone cannot do much about their dilemma," says Roger T. Trancik, a landscape architecture professor and specialist in urban design and environmental planning in the New York State College of Agriculture and Life Sciences at Cornell. Trancik headed the study group.

Now in the final stage, the Adirondack study is a joint effort of Cornell and four Adirondack counties — Clinton, Essex, Hamilton, and St. Lawrence. Supported by the Adirondack Park Agency and the New York State Council of Arts, the project is a master plan for the future of settlements in the Adirondacks and is one of the most comprehensive studies of the park undertaken to date.

In Trancik's view, the problems confronting the Adirondack residents and the challenges ahead to better their conditions are enormous. The study points out that many communities lack the ability to deal with the complexities of development planning. Compounding the situation are unstable local economies, below poverty income levels, and chronic high unemployment, among other factors.

Based on a multitude of issues and problems facing the Adirondack communities, the study team is developing wide-ranging planning and investment strategies geared to generate economic development opportunities for all the hamlets in the region.

Among steps considered vital for revitalizing the hamlets, as spelled out in the study, are:

— **Waterfront revitalization.** Waterfronts are a critical resource in most Adirondack hamlets, yet these communities have not taken full advantage of this resource as an "open space amenity" for attracting investment. Steps should be taken to improve the economic value and utilization of waterfronts as well as their visual and physical quality. Such waterfront revitalization programs should include development of river trails, water power, beaches, waterfront parks and commercial marinas.

— **Recreation and tourism.** Based on the region's natural, cultural, and historic resources, recreation and tourism are the backbone of the Adirondack economy. Efforts to promote tourism should be stepped up. More tourist centers at the gateways of the park could substantially increase year-round tourist activity. The strategic location of such centers could be the cornerstone for the revitalization of selected hamlets within the region.

— **Industrial development.** The study calls for expansion of wood products beyond the primary processing of timber into lumber, luring into the region a range of small-scale manufacturing companies as well as research and development (R&D) facilities, establishment of agriculture and food processing facilities, encouragement of the handicraft industry, relocation of more state government facilities into the area, introduction of data processing facilities, and development of privately-owned seasonal homes.

— **Historic resources.** Many structures and sites in the Adirondack Park are historic resources, which take many forms, including buildings, sites, landscapes, districts, or waterways. Preservation of such resources is the key to the redevelopment strategies for the hamlets. A creative method of marketing a community's historical resources is essential for attracting more visitors to the region.

— **Infill sites.** "Infill development" means the renovation and reuse of older existing structures in hamlets. Infill sites exist in the form of vacant lots along or near a main street, or large areas within residential neighborhoods. Some of the development opportunities involve single lot development, renovation of vacant buildings, and development of land areas.

— **Public spaces.** Attractive public spaces in a hamlet enhance local community pride that provides an incentive for residents to improve and maintain their properties. A hamlet with an attractive environment is much more marketable to prospective industrial developers. Improving public spaces represents one of several strategies for attracting investment and reversing the tide of economic decline in the region.

— **Water and sewer systems.** A hamlet's economic vitality and growth capability are, in part, dependent on the ability of the hamlet to provide an adequate supply of high quality water. Over the next 10 years, three-fourths of the public water supply systems in the Adirondacks will have to undergo a major overhaul. Meanwhile, many hamlets lack modern sewage systems; construction of small decentralized wastewater systems is encouraged.

Commenting on these planning and economic development strategies as suggested in the study, Cornell's Trancik says: "Each village and hamlet in the Adirondack Park is unique physically and culturally, but common problems and opportunities exist among many hamlets that could be shared."

The objective of the planning approach for the region is to strike a balance between economic development and environmental preservation, Trancik points out. The ultimate goal is to encourage investment in the settlements of the area by people inside and outside of the region.

Initiated a year ago, the Adirondack study has resulted in a publication titled *Hamlets of the Adirondacks*, a descriptive survey and analysis of 135 hamlets in the region, and a companion publication, *Hamlets of the Adirondacks II*.

Judicial Administrator Cases

Summaries—Oct. & Nov., 1984

Number of Defendants:	Violation:	Penalty:
1	possession of library materials which he was attempting to take from the library	Written Reprimand (WR) & 25 hours of community service (cs)
1	misuse of a Coop Dining Card	WR & 15 hrs cs
1	endangerment to persons and property	WR & 42 hrs cs with 22 hrs suspended (susp)
1	altering a University parking permit	WR & \$50 fine or 15 hrs cs
2	taking a No Parking Fire Lane sign	WR & 30 hrs cs
1	failure to comply with Life Safety Officer	Oral Warning
1	damage to the property of another person	WR & 40 hrs cs with 20 hrs susp; plus restitution of \$106.49
1	theft of sunglasses from the Campus Store	WR & 25 hrs cs
1	possession of a stolen University parking permit	WR & 30 hrs cs
1	damaging University property	WR & 40 hrs cs with 10 hrs susp plus restitution of \$300
1	misuse of a University ID Card	WR & 15 hrs cs
1	theft of food from Coop Dining unit	WR & 15 hrs cs
1	harassment of three women students	WR & 15 hrs cs
1	harassment of three women students	WR & 15 hrs cs with 7 susp
2	discharge of fire extinguisher	WR & 40 hrs cs
1	attempted theft of blank cassette from Camp Str	WR & 25 hrs CS with 10 susp
1	resale of stolen books at Triangle Bookstore	WR & 30 hrs cs with 10 susp
1	harassment of another student in RPU	WR & 40 hrs cs with 20 susp
2	changing birthdate on student ID Cards	WR & 30 hrs cs
1	damaging supply room door in dormitory	WR & 20 hrs cs with 10 in the Alcohol-Related CS Project plus restitution of \$76.85
1	discharge of fire extinguisher	WR & 40 hrs cs with 10 susp
2	urging another person to throw objects at windows of Noyes Mini-Pickup Mkt	WR & 10 hrs cs
1	throwing objects at windows of Noyes Mini-Pickup	WR & 25 hrs cs
1	failure to comply with order of dining personnel	WR & 8 hrs cs
2	misrepresenting authority to reserve dorm lounge	WR & 30 hrs cs with 15 susp
2	theft of skeleton from anthropology lab	WR & 30 hrs cs with 15 susp plus restitution of \$412.22
1	discharge of fire extinguisher	WR & 40 hrs cs with 20 susp plus restitution of \$11.25

Summaries, December 1984

2	noncompliance with a Life Safety officer	Oral Warning
1	possession of a stolen University "K" parking permit	Written Reprimand (WR) and \$100 fine or 30 hours of community service (cs)
1	theft of a calendar from Campus Store	WR & 25 hrs cs
1	alteration of a University parking permit and use of same	WR & \$50 fine or 15 hrs cs
3	theft of food from Noyes Center	WR & 25 hrs cs
1	possession of a stolen parking permit and alteration of same	WR & 30 hrs cs
1	theft of food from dining	Oral Warning
2	theft of couch from lounge of a U-Hall	WR & 35 hrs cs with 10 hrs in Alcohol-Related CS Project
1	throwing fish on ice at Lynah Rink at close of Cornell-Harvard ice hockey game	WR & 15 hrs cs
3	cutting down tree at Cornell Plantations	WR & 30 hrs cs with 10 hrs suspended; plus restitution of \$240.00 and agreement to plant replacement tree

Barton Blotter

Seven cash thefts totaling \$235 were reported on campus Jan. 28 through Feb. 3, according to the morning reports of the Department of Public Safety.

The money was taken from wallets, purses, and desk drawers at various locations on campus, including several from men's and women's locker rooms at athletic facilities on campus.

In all, there were 21 thefts reported in the seven-day period, with total losses set at \$3,067. These included five fire extinguishers valued at a total of \$97.

Other thefts included \$675 in rugs, drapes, and furniture taken from University Halls 1, 4 and 5; a \$285 camera stolen from North Campus dorm 7; a \$300 bicycle; a \$260 radio/cassette player taken from North Campus dorm 9, and a \$400 camera stolen from North Campus dorm 7.

Three persons were referred to the Judicial Administrator for reckless endangerment with a cigarette lighter, forging a parking permit, and damaging a chair in Noyes Center.

A Rockland, Maine, man was charged with driving while intoxicated on campus.

Number 5

Please Post

February 7, 1985

Cornell University

University Personnel Services

Day Hall

Ithaca, New York 14853

607/256-8226

Please Note:

Job Opportunities is a publication of Staffing Services and is distributed each Thursday through the Cornell Chronicle.

Job Opportunities lists current vacancies within the University, consistent with the University's commitment to promotion from within, affirmative action, and equal opportunity employment.

Applications for employment are available at Cornell University's employment office at East Hill Plaza at the intersection of Ellis Hollow Road and Judd Falls Road in Ithaca, from 9:00 a.m. to 12:00 noon, Monday through Friday. Applications can be submitted through the mail to University Personnel Services, Staffing Services, 160 Day Hall, Ithaca.

N.Y. 14853. For more information on jobs listed, contact Staffing Services (607) 256-5226.

Employee Transfer Applications:

Employees who wish to transfer to other jobs within the University should complete a separate Employee Transfer Application form for each position and submit them to Staffing Services. Individuals with official University layoff status will be given preference in referrals.

This listing is also available on CUINFO

Cornell University's computerized information service. For further CUINFO details, contact the Information and Referral Center at 256-6200 or Computer Services.

New vacancies are listed for two weeks in Job Opportunities.

*Asterisks identify jobs that were not listed last week.

Full-time jobs are 39 hours per week unless otherwise indicated. Jobs listed as SO, U1 and U2 are represented by bargaining units.

utilities desirable. Strong interpersonal skills essential. Please send cover letter and resume to Ralph D. Jones by February 22, 1985.
Job Number: PA042

Position: Grant & Contract Officer (Repost)
Department: Office of Sponsored Programs
Description: The Grant and Contract Officer will report directly to the Associate Director and responsibilities will include administration of the sponsored programs in the College of Engineering; assisting faculty and staff in the preparation of proposals; reviewing and negotiation of grants and contracts.

Requirements: Bachelor's degree or equivalent, or at least three years of related work experience is required. Excellent interpersonal and communication (written and oral) skills. Ability to work independently. Some traveling involved. Please send cover letter and resume to Ralph D. Jones.
Job Number: PA035

Position: Grant & Contract Officer (Repost)
Department: Office of Sponsored Programs
Description: The Grant and Contract Officer will report directly to the Associate Director and responsibilities will include administration of the sponsored programs in the New York State College of Veterinary Medicine; assisting faculty and staff in the preparation of proposals; reviewing and negotiation of grants and contracts.

Requirements: Bachelor's degree or equivalent, or at least three years of related work experience is required. Excellent interpersonal and communication (written and oral) skills. Ability to work independently. Some traveling involved. Please send cover letter and resume to Ralph D. Jones.
Job Number: PA018

Position: Assistant Director, Financial Aid
Department: Office of Financial Aid
Description: Responsible for coordinating and administering financial aid programs for minority and disadvantaged students. Act as a liaison with Minority Education Office and State Programs Office. Counsel students and parents about financial aid. Perform need analysis and "packages" aid.
Requirements: Bachelor's degree or equivalent required. Master's in Student Personnel, Higher Education Administration, Counseling, or related areas preferred. Minimum of one to three years of financial aid or related experience required.
Job Number: PA0410

Position: Administrative Manager I
Department: Modern Languages & Linguistics
Description: Responsible for managing the accounts, payroll, personnel, purchasing and budgeting areas of the department; assist chairman in preparation of budget; set up flow of work and assignment of responsibility to office staff; maintain confidential records.
Requirements: Bachelor's degree or equivalent, some foreign language study desirable. Familiarity with office computers essential. Familiarity with university administrative structure and knowledge of basic bookkeeping techniques desirable. Outstanding interpersonal skills.
Job Number: PA044

Position: Sanitation Service Supervisor
Department: Statler Inn
Description: Assist the Director of Maintenance in the management of housekeeping tasks in the Alice Statler Auditorium, the School of Hotel Administration and the public areas of Statler Inn. Manage the day-to-day operations of the Maintenance/Housekeeping department.
Requirements: Associate's degree in hotel and restaurant management or facility management, Bachelor's preferred. Minimum of five years custodial or related experience.
Minimum Starting Salary: \$13,625
Job Number: PS049

Position: Research Support Specialist I
Department: Clinical Sciences
Description: Develop laboratory tests for studies of genetic variability in relationship to disease susceptibility of wild animals, specifically Marmota monax. Tests to be developed include serum and erythrocyte enzyme assays as genetic markers. Use BASIC or comparable computer language to develop programs for systematic genetic studies of a colony of 300 woodchucks.

Requirements: Bachelor's degree in biological science preferred. Training and laboratory experience in biochemistry and in computer programming (BASIC). Laboratory animal experience including ability to restrain, examine, and bleed wild animals. Must be prepared to

Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

Administrative/Professional

The minimum salaries listed are for recruitment purposes only.

*Position: Architect/Project Manager
Department: Architectural Services
Description: Manage major architectural projects for the University. Responsibilities include direction progress meetings for project setting and monitoring project schedules and budgets; coordinate activities of departmental professionals in supporting the projects; prepare feasibility studies and other project statistics to guide program; interview and advise on the selection of A/E consultants and assist in the negotiation and preparation of contracts.
Requirements: Bachelor's degree in architecture required. Architectural registration desirable. Minimum ten years responsible experience in architectural project management. Demonstrated excellent organizational and communication skills necessary. Experience with personal computer desirable. Please send cover letter and resume to Ralph D. Jones.
Job Number: PA417

*Position: Senior Computer Staff Specialist
Department: Arecibo Observatory (NAIC) - Puerto Rico
Description: Design and maintain computer applications software at the Arecibo Observatory, site of the world's largest radio/radar telescope. Will involve real-time data acquisition, distributed processing, scientific data analysis and telecommunications. Typical projects will include the design and enhancement of data acquisition systems and operating system augmentation.
Requirements: Bachelor's degree in computer science or equivalent. Three to five years of progressive experience in high level programming languages and operating systems internals. Experience with HARRIS H800/VOS and DIGITAL VAX/VMS desirable. Submit cover letter and resume to Cynthia Smithbower.
Job Number: PT057

*Position: Business Manager
Department: Theory Center
Description: Provide fiscal management for the Theory Center which includes budgeting, grant and contract negotiations and reporting, accounting and billing system development. Prepare and analyze financial reports. Participate in the Center's planning as assigned.
Requirements: Bachelor's degree or equivalent. Master's degree preferred. Familiarity with government granting agencies policy and procedure; knowledge of computer systems and familiarity with PC's necessary. Knowledge of Cornell's accounting and budget system preferred. Demonstrated excellent verbal and written communication skills essential. Please send cover letter and resume to Judith Morgan.
Job Number: P058

*Position: Research Support Specialist I
Department: Agronomy
Description: Assist in the selection of topics and organization of materials related to Soil Taxonomy and Oxisols. Plan operations, write reports and texts for the preparation of a video on Oxisols and slide set on Soil Surveys. Will contribute to the improvement of a soil water

balance simulation model. One year position.
Requirements: Master's degree in soil science. Some experience in soil surveys preferred. Demonstrated writing skills necessary. May include some travel to foreign countries. Please send cover letter and resume to Cynthia Smithbower.
Job Number: PT056

*Position: Systems Analyst II
Department: Systems Office, Olin Library
Description: Evaluate and analyze system software components as part of the library's effort in implement local online integrated information system.
Requirements: Some programming experience in a high level language such as COBOL or PL/I. Please send cover letter and resume to Cynthia Smithbower.
Minimum Starting Salary: \$18,000
Job Number: PT054

*Position: Applications Programmer I
Department: Animal Science
Description: Provide programming support to the Dairy Records Improvement Cooperative and the Animal Science department. Will write, test, debug and document applications programs written in assembler language code and/or PL/I.
Requirements: Bachelor's degree preferable in dairy, animal science or computer science. Some programming experience, particularly with assembler languages (PL/I) as well as experience with CICS/VSE highly desirable.
Minimum Starting Salary: \$16,500
Job Number: PT052

*Position: Technical Coordinator
Department: Systems Office - Olin Library
Description: Provide technical support in all areas of library's automated systems environment. Coordinate RLIN system services including equipment maintenance and installation; will be involved in training, education and support for library staff in use of microcomputers.
Requirements: Bachelor's degree or equivalent desirable. Experience with microcomputers; technical experience with computer peripheral equipment: terminals, printers, modems, RS232 protocol. Please send cover letter and resume to Cynthia Smithbower.
Minimum Starting Salary: \$16,000
Job Number: PT055

*Position: Assistant Dean/Student Development Specialist III
Department: Arts & Sciences, Dean's Office - Academic Advising Center
Description: Counsel and advise students regarding academic programs, career planning and other special academic program needs. Assist students in college to maximize use of available resources.
Requirements: Master's degree or equivalent experience. Ph.D. and college teaching in the liberal arts preferred. Experience counseling and advising students or academic programs essential. Please send cover letter and resume to Ralph D. Jones.
Minimum Starting Salary: \$13,625
Job Number: PA0411

Position: Administrative Manager II
Department: Campus Store
Description: Manage and monitor accounting functions, budget development and implementation. Supervise accounting staff, coordinate data

transfers, develop and provide department managers with business office policies, information, and procedures. Supervise audits, administer physical inventory. Provide support to Director and Associate Director regarding professional recruitment, computer enhancements, planning, training, and program development. Monday - Friday, 8:30 am - 5:00 pm. Saturdays on a rotational basis, 10:00 am - 2:00 pm.

Requirements: Master's degree in business and three years experience or Bachelor's degree and five years experience in a retail and/or business environment preferred. Substantial accounting knowledge essential; familiarity with automated business systems preferred. Must have good supervisory, verbal, and written skills. Must be able to work well with a wide range of personalities, skill levels and responsibilities. Please send cover letter and resume to Ralph D. Jones by February 15, 1985.
Job Number: PA048

Position: Systems Programmer III
Department: Computer Science
Description: Provide programming support in LISP and C for a research project involving robotics. Programming includes graphics, real-time control and artificial intelligence. Current position funding to one year.
Requirements: Bachelor's degree in mathematics, computer science, or other technical field, plus graduate level courses desirable. Knowledge sufficient to deal with large complex systems. Experience with three-dimensional graphics, solid modeling, or with complex LISP systems advantageous.
Job Number: PT043

Position: Staff Architect
Department: Facilities Engineering
Description: Perform architectural design and drafting services for renovation, alteration, and maintenance projects. Coordinate the construction of such projects and assist in major design projects.
Requirements: Bachelor's degree in Architecture and at least one year applicable experience. Please send cover letter and resume to Ralph D. Jones by February 22, 1985.
Job Number: PA041

Position: Auditor II
Department: Auditors Office
Description: Perform audits of various units of Cornell University Medical College located in New York City. Responsible for planning, direction and supervision of cash inventories, accounts receivables, faculty practice plan, payables and payrolls for the Cornell University Medical College in New York City.
Requirements: Bachelor's degree or equivalent in accounting. Three years experience in public accounting or internal auditing preferred. Excellent interpersonal skills essential. Send cover letter and resume to Ralph D. Jones by February 22, 1985.
Job Number: PA046

Position: Mechanical Engineer
Department: Facilities Engineering
Description: Design and prepare construction documents for a wide variety of HVAC and mechanical systems including laboratory ventilation, plumbing and fire protection systems.
Requirements: Bachelor's degree in mechanical engineering and applicable experience required. Experience with steam and chilled water

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Job Opportunities

Continued from Page 13

obtain a license to trap woodchucks.
Minimum Starting Salary: \$13,625
Job Number: PT045

Position: Systems Programmer I (Repost)
Department: Theory Center
Description: Under direct supervision, installs, modifies, maintains, and develops large-scale operating systems software and hardware.
Requirements: Bachelor's degree or equivalent in computer science. Experience with UNIX operating system. Some programming experience required.
Minimum Starting Salary: \$16,500
Job Number: PT352

Position: Computer Staff Specialist
Department: Animal Science
Description: Conceive, design, develop and optimize computer applications software, requiring considerable experience and demonstrated ability in the areas of the telecommunications, on-line applications, distributed processing, remote job entry and virtual machine operations.
Requirements: Master's degree in computer science or equivalent. Five to seven years of experience with relevant hardware, software, and languages such as IBM 4381, DOS/VSE, CICS, ASSEMBLER, and PL/1. Please send cover letter and resume to Cynthia Smithbower.
Job Number: PT021

Clerical

All applicants interested in positions requiring typing must take an official University test. Tests are given Mondays and Wednesdays at 8:00 a.m., Room 337, Statler Hall. Please contact Staffing Services for an appointment.

*Position: Accounts Assistant, GR19
Department: Bursar
Description: Review and batch all data related to the Student Finance System and Cornellcard System. Work directly with departments and students; problem solving, maintain files of all data items pertaining to Student Finance System and Cornellcard System.

Requirements: Associate's degree or equivalent experience in business and/or data processing. Light typing. At least two years experience in business or data processing preferred.

Minimum Starting Salary: \$11,125
Job Number: C0515

*Position: Secretary, GR18
Department: University Development
Description: Provide secretarial and organizational support to the Assistant Director of the Cornell Fund. Organize mailings; prepare reports; compile gift figures; arrange travel and events; handle correspondence; appointment scheduling and telephone.

Requirements: High school diploma or equivalent. Business or secretarial school preferred. Medium typing. At least two years secretarial experience. Good rapport with volunteers via phone or in person. Ability to work independently. Good proofreading and grammatical skills. Knowledge of Cornell helpful.

Minimum Starting Salary: \$10,500
Job Number: C057

*Position: Special Collections Assistant, GR18 (two positions)

Department: New York Historical Resources Center University Libraries

Description: Edit and index data gathering forms for state-wide Historical Documents Inventory; enter data into RLIN data base; proofread printouts; update data base and prepare material for publication. Full-Time, regular until 8/31/85.

Requirements: Bachelor's degree or equivalent in humanities, social sciences or related fields. Light typing. Writing skills and good handwriting. Experience in editing, indexing, proofreading and data entry desirable. Accuracy and ability to do detailed work with minimum of supervision required. Some knowledge of New York history and experience with RLIN desirable.

Minimum Starting Salary: \$10,500
Job Number: C051, C052

*Position: Office Assistant, GR18
Department: School of Hotel Administration
Description: Under general supervision, assist approximately 10 faculty members in clerical and secretarial duties in the Written Communication and Financial Management/Accounting departments. Duties

include coordinating reprographic needs; sorting and distributing mail; scheduling meetings; typing complex materials; answering, referring and responding to telephone inquiries.

Requirements: High school diploma or equivalent. Business or secretarial school preferred. Light typing. Wang word processor skills and/or ability to learn. Xerox memory writer and dictaphone skills preferred. At least one year secretarial experience. Good organizational and interpersonal (written and oral) skills.

Minimum Starting Salary: \$10,500
Job Number: C0514

*Position: Office Assistant, GR16
Department: Undergraduate Admissions
Description: Sort, open and distribute and send U.S. and campus mail daily. Some overtime expected.

Requirements: High school diploma or equivalent. Ability to handle mail equipment (postage machine, slitting machine and electronic scale).

Minimum Starting Salary: \$9,494
Job Number: C053

Position: Administrative Aide, GR21
Department: University Admissions

Description: Provide administrative and secretarial support to the Director. Type and edit correspondence and newsletters; respond to routine correspondence; coordinate mass mailings; distribute admissions data; prepare copy of printed materials; prepare and authorize travel forms; order supplies; assist with budget planning and preparation; hire and supervise work study students; supervise Hosting Program Coordinator; handle phone and serve as back-up receptionist; schedule appointments and meetings; maintain files for update and prepare directories of volunteers; prepare payroll forms for student workers; serve as assistant file manager of volunteer computer files; handle special projects as assigned. Requires daily use of Xerox 630 Memorywriter.

Requirements: High School diploma or equivalent. Associate's degree preferred. Heavy typing. Excellent organizational, communication (written and oral), and human relations skills. Ability to work independently and perform a variety of detailed assignments. Discretion in dealing with confidential matters. Knowledge of word processor, computer, and Xerox 630 Memorywriter essential. Ability to interact well with all levels of University staff, alumni, students, applicants and parents. Occasional evenings and weekends.

Minimum Starting Salary: \$12,469
Job Number: C043

Position: Library Aide/Archivist, GR21
Department: Facilities Engineering
Description: Organize and maintain the facilities record system, all architectural and engineering reference materials, department supplies inventory and related office equipment.

Requirements: Associate's degree in Library Science or Business, or equivalent. At least two years related experience in an architectural/engineering environment with knowledge of architectural/engineering drawings necessary. Must have excellent organizational, interpersonal and communication (written and oral) skills.

Minimum Starting Salary: \$12,469
Job Number: C042B

Position: Accounts Assistant, GR19
Department: Office of the Bursar

Description: Perform duties involved with the maintenance of the Student Finance and Cornellcard billing systems. Duties include direct contact with students, parents, and other Cornell departments in person, via the telephone and with written correspondence concerning student account billings; processing adjustments and other transactions to students' accounts; reconciling accounting statements; processing deposits, vouchers and journal entries.

Requirements: Associate's degree or equivalent, preferably with business course work. Medium typing. Some office experience. Strong interpersonal and communication (written and oral) skills. Good math skills.

Minimum Starting Salary: \$11,125
Job Number: C044

Position: Secretary, GR18
Department: Public Safety
Description: Duties include typing; record keeping; acting as receptionist; taking dictation (shorthand); scheduling appointments; copying; searching files for criminal background checks and maintaining general files; composing and editing the department's Morning Report. Input

and output of data to/from an electronic data processing system. Other duties as required.

Requirements: High School diploma or equivalent. Business or secretarial school preferred. Medium typing. Good shorthand skills; ability to work under pressure; strong interpersonal skills. High degree of confidentiality required. Knowledge of electronic data and word processing highly desirable.

Minimum Starting Salary: \$10,500
Job Number: C046

Position: Office Assistant, GR16
Department: Public Affairs Records
Description: Make biographic additions, changes and deletions to the record of living alumni and friends of the University. Full-time, regular position, mid October thru mid July.

Requirements: High School diploma or equivalent. Light typing. Some data entry and CRT experience desired. Excellent organizational, interpersonal and communication skills.

Minimum Starting Salary: \$9,494
Job Number: C042A

General Service

*Position: Custodian, SO16
Department: Buildings & Grounds Care (Statutory)

Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Monday thru Thursday 6:00 a.m. - 2:30 p.m.; Friday 6:00 a.m. - 1:30 p.m.

Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.84/hour
Job Number: S054

*Position: Custodian, SO16
Department: Buildings & Grounds Care (Endowed)

Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Monday thru Thursday 6:00 a.m. - 2:30 p.m.; Friday 6:00 a.m. - 1:30 p.m.

Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.47/hour
Job Number: S055

*Position: Custodian, SO16
Department: Cornell University Press
Description: Cleaning duties performed in office location requires cleaning in numerous small rooms in three different buildings then returning at a later time to clean warehouse areas. Split shift 7:00 a.m. - 11:00 a.m., 3:00 p.m. - 7:00 p.m.

Requirements: High school diploma or equivalent. Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.47/hour
Job Number: S051

*Position: Laboratory Attendant, SO15
Department: Agronomy
Description: Wash glassware, measure pH, weigh soils and filter soil extracts. Perform other duties as assigned.

Requirements: High school diploma or equivalent desired. Arithmetic skills required. Previous experience working in a laboratory desirable. Ability to follow directions and work in a high volume environment.

Minimum Starting Salary: \$4.63/hour
Job Number: S052

Position: Utilities Drafter, GR21
Department: Facilities Engineering
Description: Responsible for maintaining utility maps, files and records. Provide field inspections; collect and verify field information with shops and departments on campus. Assist survey party; develop construction and topographical drawings.

Requirements: Associate's degree in construction technology or two years drafting experience in utilities and site work construction. Topographical work related experience preferred.

Minimum Starting Salary: \$12,469
Job Number: S041

Position: Food Service Worker, SO17 (Two Positions)

Department: Cornell Dining
Description: Plan and prepare cold foods for cafeteria presentation.

Requirements: High School diploma or equivalent. Knowledge of cold food preparation. Familiarity with kitchen equipment such as food slicers preferred.

Minimum Starting Salary: \$4.69/hour
Job Number: S042, S043

Position: Dish Machine Operator, SO16
Department: Statler Inn
Description: Maintain a constant supply of clean dishes, glasses, flatware, pots and silver; keep work area at an acceptable standard of cleanliness; routine cleaning of kitchen areas. Monday - Friday, 12:30 pm - 9:00 pm, some weekends.

Requirements: High School diploma or equivalent. Some dish machine operator experience desired.

Minimum Starting Salary: \$4.47/hour
Job Number: S0410

Technical

Applications for Technical positions should include the following information:

- Scientific/technical courses completed
- Lab techniques and/or equipment (knowledge of)

- Special skills (e.g. knowledge of computer language)

*Position: Research Equipment Technician, GR22

Department: Structural Engineering
Description: Under the direction of the laboratory manager assist in the construction and assembly of heavy structural testing apparatus; operate and maintain testing equipment and instrumentation; control inventory; and perform routine facility maintenance.

Requirements: High school diploma or equivalent required and some post-secondary education desirable. Electronic, mechanical, welding, or carpentry experience helpful. Ability to operate sensitive equipment and follow precise experimental procedures.

Minimum Starting Salary: \$13,141
Job Number: T051

*Position: Research Aide, GR21
Department: Cornell Institute for Social and Economic Research (CISER)

Description: Provide support to the operation of the New York State Information System and the CISER archive. Tasks include management of: information on the NYSIS data base; subscriptions; requests for standard products and services; billing records and correspondence. Will also support public access activities of the archive.

Requirements: Bachelor's degree or equivalent in social sciences, computer sciences or statistics. Familiarity with mainframe computing (data tape management and statistical packages) and microcomputers (data base management and spreadsheet packages). Good organizational skills, ability to work independently as well as part of a research team; experience in research environment and with billings and records preferred.

Minimum Starting Salary: \$12,469
Job Number: T054

*Position: Technician, GR19
Department: Ecology and Systematics

Description: Perform starch gel electrophoresis involving pouring gels, dissections, homogenizing, staining, buffer mixing, and glassware washing. Duties also include data processing, ordering chemicals and xeroxing.

Requirements: Bachelor's degree or equivalent or background in general biological sciences. Data processing, general laboratory procedures, and preferably experience in electrophoresis.

Minimum Starting Salary: \$11,125
Job Number: T052

Position: Technician, GR22
Department: Veterinary Pathology

Description: Work independently to perform procedures of tissue culture, virology and viral serology; assist in drug administration and blood and tissue collection with calves. Assist with necropsy procedures and histologic morphometry. Perform statistical analysis of data.

Requirements: Bachelor's degree in biology or microbiology or equivalent. Experience in handling calves; in performing tissue culture, virology and viral serology required.

Minimum Starting Salary: \$13,141
Job Number: T044

Position: Technician, GR19

Department: Genetics and Microbiology
Description: Make crosses (D. melanogaster), induce mutations. Produce and screen gene libraries; isolate and characterize recombinant DNA molecules. Order supplies and equipment for lab.

Requirements: Bachelor's degree or equivalent with coursework in biochemistry, genetics or microbiology. Some related lab experience preferred.

Minimum Starting Salary: \$11,125
Job Number: T041

Position: Technician, GR18

Department: Veterinary Microbiology-James A. Baker Institute for Animal Health

Description: Perform technical laboratory duties to assist research in infectious disease oriented immunology laboratory. Must be willing to work with animals, especially rats. Full-time, regular position until November 30, 1985.

Requirements: Bachelor's degree or equivalent with coursework in microbiology. Some lab experience desirable. Experience handling lab animals (rats, rabbits, mice) desirable.

Minimum Starting Salary: \$10,500
Job Number: T045

Position: Technician, GR18

Department: Food Science and Technology-Geneva

Description: Provide technical assistance involving routine processing of various fruits and vegetables using standardized methods employed in commercial operations and routine chemical and data analyses. Perform chemical and physical analyses of processed products. Collect data on process parameters. Full-time regular position thru October 1, 1985.

Requirements: Associate's degree or equivalent with experience in fruit and vegetable processing. Bachelor's degree preferred.

Minimum Starting Salary: \$10,500
Job Number: T043

Part-time

*Position: Museum Education Assistant, GR19
Department: Herbert F. Johnson Museum of Art

Description: Plan, teach and document workshops for the education department's ongoing elementary and secondary school programs under the supervision of the Coordinator of Education. Assist in conducting tours of the museum's permanent collection and temporary collections; assist Coordinator of Education in conducting public programs. Monday - Friday, 29 hours per week flexible hours until 6-30-85.

Requirements: Bachelor's degree or equivalent in fine arts, art history, art education or museum studies required. Previous teaching experience with children necessary. Experience in museum work, curatorial, membership and/or education (in intern capacity or full time one year), or community service work with youth in a variety of capacities. Good organizational and writing skills necessary. Background in use of photographic equipment.

Minimum Starting Salary: \$11,125/annual equivalent
Job Number: C059

*Position: Museum Education Research Assistant, GR19

Department: Herbert F. Johnson Museum of Art

Description: To research the museum's collection of American paintings, Asian and Medieval art for the planning and development of a tour program geared to high school, college and adult audiences. Create a format for collection and storage of information. Oversee assessment of these audiences' needs simultaneously to the development of tour program. Monday-Friday, 20 hours per week (flexible) until 12-31-85.

Requirements: Bachelor's degree or equivalent in art history. Master's degree or equivalent preferred. Strong art history background required. Previous museum experience helpful. Research experience necessary. Good organizational and communication skills essential. Excellent writing skills, and good interpersonal skills necessary. Computer and typing skills helpful. Ability to work independently and under pressure.

Minimum Starting Salary: \$11,125/annual equivalent
Job Number: C058

*Position: Secretary, GR18

Department: New York City Cooperative Extension

Description: Type letters, reports, memorandums, and educational materials; maintain confidential program records and maintain files of memos, letters and reports; answer phone, take messages, and general receptionist duties; operate copying and adding machines; purchase supplies and office equipment as needed; travel to upper Manhattan and other field offices as required. Provide other assistance as required. 21 hours per week flexible.

Requirements: High school diploma or equivalent. Medium typing. At least one year secretarial or office experience.

Minimum Starting Salary: \$10,500/annual equivalent
Job Number: C0511

*Position: Office Assistant, GR17

Department: Cornell's Adult University

Description: Provide assistance assembling and disseminating extensive materials and information for CAU programs; maintaining and updating records and publicity; assist secretaries with overloads. 20 hours per week (flexible), will include Sundays during July, possible overtime.

Requirements: High school diploma or equivalent. Heavy typing. At least two years work experience. Must be able to talk easily and fluently over the phone, as well as to work well with CAU staff, faculty, students, and participants. Strong oral, written, and typing skills very important. Willingness to learn IBM-PC.

Minimum Starting Salary: \$9,967/annual equivalent
Job Number: C0516

*Position: Building Attendant, GR16

Department: Circulation/Olin Library

Description: Inspect books of persons leaving buildings; respond to alarm when security system is activated; check ID cards at stack entrance; make tour of building to report vandalism, facilities problems, etc.; perform assorted clerical duties; open and close building. Sunday, 6:30 p.m., Monday-Thursday, 9:00 p.m.-12:30 a.m.

Requirements: High school diploma or equivalent. Ability to work with variety of people in public service capacity; first aid and CPR training desirable; must be able to reach 7 foot lock.

Minimum Starting Salary: \$9,494/annual equivalent
Job Number: S053

Position: Secretary, GR19

Department: Cooperative Extension Administration - New York City

Description: Assist and provide secretarial support to Consumer Education Program leader and staff, especially in programs relating to Spanish speaking audience. Type Spanish and/or English radio scripts and consumer news releases, correspondence and educational materials; assist with translation of English scripts to Spanish; respond and follow through with telephone and written requests for information from consumers and professionals; maintain a schedule and file of Spanish radio scripts and news releases; assist with placement of media releases; file and duplicate scripts and program related resources; schedule meetings. Part-time, regular position in New York City; 21 hours/week.

Requirements: High School diploma or equivalent, with business/secretarial training. Some college coursework desirable. Medium typing. At least five years secretarial experience. Typing accuracy on electric typewriter and/or word processor (IBM PC preferable). Excellent writing and oral communication skills in both Spanish and English. Ability to deal effectively on the telephone. Good communication, office and organizational skills.

Minimum Starting Salary: \$11,125/annual equivalent
Job Number: C041

Position: Secretary, GR16

Department: Women's Studies Program

Description: Varied secretarial duties in a very busy, two-person office. Duties include typing; answering telephone; arranging travel and publicity; filing. Part-time regular position until June 19, 1985; 20 hours/week for 10 months during academic year.

Requirements: High School diploma or equivalent. Medium typing. Office experience and training in basic office skills helpful. Excellent organizational and interpersonal skills. Attention to detail and accuracy very important. Ability to work independently.

Minimum Starting Salary: \$9,494/annual equivalent
Job Number: C045

Temporary

TEMPORARY OPPORTUNITIES: Cornell University has an ongoing need for qualified individuals willing to work on a temporary basis. We frequently need individuals to work as word processor operators, secretaries, typists, receptionists, office assistants, account clerks and data entry clerks. Requirements for these positions range from medium to heavy typing, some office/secretarial experience and knowledge of word processing equipment. If you have an interest in working on a temporary basis, please contact Tambi Benzon, Staffing Services, 256-5226, for more information.

*Position: Secretary, GR16

Department: English

Description: Provide secretarial support to one faculty member. Responsibilities include typing manuscripts; correspondence; editorial assistance; and library research. Approximately 10 hours per week (flexible) until 6-86 (probably longer).

Requirements: High school diploma or equivalent. Some college course work. Medium typing. Excellent typing skills. Word processing experience useful but not necessary. Editorial experience. Familiarity with library systems.

Minimum Starting Salary: \$5.00 - \$6.00 per hour
Job Number: C0510

Academic

Please contact department directly.

*Position: Extension Associate II

Department: Staff Development & Personnel - New York City
Job Number: A051

*Position: Assistant Professor of Systematic Botany/Curator of the Herbaria
Department: Division of Biological Sciences
Job Number: A055

*Position: Extension Associate CA05 - Housing Construction Specialist
Department: Staff Development & Personnel - New York City
Job Number: A052

*Position: Extension Associate III
Department: Staff Development & Personnel - New York City
Job Number: A053

*Position: Research Associate
Department: Equine Drug Testing and Research
Job Number: A054

Position: Assistant Professor-Canine Medicine
Department: James A. Baker Institute for Animal Health Send resume to Dr. D.D. McGregor, Director, James A. Baker Institute for Animal Health, New York State College of Veterinary Medicine, Cornell University, Ithaca, NY 14853.
Job Number: A041

The Week in Sports

Men's Hockey Team Has Two Big Games at Home

The Big Red men's hockey team is enjoying its finest stretch since 1980-81, as that's the last time the Red won six consecutive games. The victory streak has enabled Cornell to move all the way up to third place in the ECAC standings (9-3-1), and now the Big Red will get ready for one of its toughest challenges of the year. The Red entertains St. Lawrence and Clarkson at Lynah Rink this weekend, with both games starting at 7:30 p.m.

The women's basketball team also has a very important weekend, as it will play host to Princeton and Pennsylvania on Friday and Saturday, respectively, at 7:30 p.m. in Barton Hall. The men's gymnastics team is also home Saturday, taking on Long Island University at 1 p.m. in Teagle Hall. And Sunday, the men's and women's track teams take on a new opponent, the University of Maryland, in a 1 p.m. meet in Barton Hall.

This is a critical weekend for the Cornell

men's hockey team, as it looks to solidify its bid for home ice advantage in the upcoming league play. In addition to its fine ECAC record, the Red is also 10-6-2 overall and 5-0-1 in the Ivy League. Cornell trails only RPI and Harvard in the current ECAC standings. This weekend's two-game home stand is important because the St. Lawrence and Clarkson are two teams that are just behind Cornell in the chase for one of the four home seedings.

The women's basketball team is coming off a split on a road trip to Brown and Yale this past weekend. Cornell lost to defending Ivy champion Brown Friday night (81-62), but it rebounded the next evening to defeat Yale (57-56). That was the Red's second victory over the Elis this year, the first time it has beaten Yale twice in the same season. Cornell is now 8-8 overall and 2-1 in the Ivy League. It is tied for second place in the league standings with Friday night's opponent, Princeton, and is just a game



CHRYSOSTOMOU
Men's Track



MILLS
Women's Basketball

behind Brown.

Junior guard Patty Mills is enjoying the finest scoring stretch of her Big Red career. Mills, who scored a career-high 22 points against Vermont last weekend, had 19 points versus Brown and then tallied 14 points Saturday.

The Big Red men's gymnastics team continues to set team records; unfortunately, it has faced very strong competition and the squad's efforts have not shown up in the win-loss column. In a 260.055-250.05 loss to Syracuse at home on Saturday, Cornell re-established the team mark for most points in a meet.

The men's track team is off to its finest start since 1977-78, as it has won its first two dual meets of the season. The Big Red is coming off a 78-58 victory over Syracuse at Barton Hall Sunday. Senior Chris Chrysostomou won both the long jump (23-2) and triple jump (a personal best of 50-2 1/4), while junior Todd Pressley recorded an outstanding time of 48.78 in winning the 400 meters.

The women tracksters fell to 0-2 on the year with a 71-46 loss to Syracuse. Senior Lauren Kulik once again had an outstanding meet, as she won both the 55-meter hurdles (8.85) and the triple jump (38-11/2).

Brief Reports

Physicist Richard Garwin Will Give 2 Lectures

Physicist Richard Garwin, a leading expert on arms control and nuclear strategy, will give two public lectures in Ithaca Feb. 13 and 14 during a one-week visit to campus.

Garwin, an Andrew Dickson White Professor-at-Large at Cornell, is a consultant to the United States government on military technology and arms control. He was a member of the President's Science Advisory Committee (1962-65 and 1969-72) and the Defense Science Board (1966-69).

His first address — "Secrecy and the University" — is at 7:30 p.m. Wednesday, Feb. 13, at the Women's Community Building, 100 West Seneca Street, in downtown Ithaca. The talk, sponsored by the American Association of University Women, is free to the public.

Garwin also will give a free public lecture on "what to do about nuclear weapons" at 4:30 p.m., Thursday, Feb. 14, in the Hollis E. Cornell Auditorium of Goldwin Smith Hall on campus.

In addition, he will address the weekly physics colloquium in 700 Clark Hall, at 4:30 p.m. Monday, Feb. 11, on the technical aspects of star wars.

And at 12:15 p.m. Tuesday, Feb. 12, during a Peace Studies seminar in 202 Uris Hall, he will discuss the topic, "C13 Systems: Promise and Problems."

Garwin received his Ph.D. in physics from the University of Chicago (1949). After three years on the faculty of the University of Chicago, he joined the IBM Corp. in 1952 and is, at present, IBM Fellow at the Thomas J. Watson Research Center in Yorktown Heights, NY, and adjunct professor of physics at Columbia University.

Seminars Scheduled On Use of Library

Two open seminars on how to use Olin Library for research have been scheduled for Feb. 8 and 21 in room 214 of the library.

Aimed primarily at new and returning faculty and graduate students, the sessions are set for 1 to 3 p.m. Friday, Feb. 8, and 7 to 9 p.m. Thursday, Feb. 21.

Developed by the Olin reference department staff specifically for those doing research in the humanities and social sciences, the seminars are open to all members of the Cornell community.

Topics to be covered are subject search strategies, reference materials, U.S. government publications, interlibrary services, and the union catalogs which list

holdings of all Cornell University libraries. Information will also be given on computerized resources such as RLIN (Research Libraries Information Network) and COMPASS (COMPUter Assisted Search Service).

For additional information or to register, call 256-3319 or stop at the reference desk in Olin.

Script-in-Hand Series Will Resume Monday

Theatre Cornell's New Works Script-in-Hand series will resume Monday, Feb. 11, with an 8 p.m. reading of Paul D'Andrea's "Payback" in the Drummond Studio.

"Payback" is based on a true story. It is the in-depth character study of a bully who terrorizes a Midwestern town and the effect he has on his victims. Winner of the 1984 Playmakers Prize, "Payback" was selected for the Tennessee Williams Festival.

Edward Payson Call, founding artistic director of the Denver Center Theatre, will stage the one-performance-only reading. Limited seating is given on a first-come, first-served basis. Doors will open at 7:30 p.m.

For more information, phone the Theatre Cornell box office at 256-5165.

Garden Plot Group Will Meet Tuesday

The Cornell Garden Plot Committee will meet at 8 p.m. Tuesday, Feb. 12, in Ives 217 to make plans for 1985.

The committee organizes the distribution of garden plots to members of the Cornell community. Land for the plots is provided by the State College of Agriculture and Life Sciences.

Anyone interested in working on the committee is welcome to attend. Persons who can't come to the meeting should contact Eileen Driscoll at 844-4535 (after 10 a.m.) for more information.

Freeman Peace Prize To Be \$1,200 This Year

The Ruth and Harrop Freeman Prize in Peace Studies for a graduating Cornell senior will be \$1,200 this year.

Students who want to be considered for the prize this year should apply by March 29. They should submit a letter of reference from a faculty member plus a one-page statement of purpose to the peace studies

program at 180 Uris Hall. The winner will be announced in April.

Two persons shared a \$1,000 prize last year, the first time the award was made.

The prize is given to support continued work or education in the field of peace studies. Preference is given to students who plan to work in peace-related organizations, but students who are going on to graduate work in the field are also eligible for consideration.

The prize was established last year with a gift from Ruth and Harrop Freeman of Ithaca, long-time activists in various aspects of the peace movement.

He is a noted civil libertarian and professor of law emeritus of the Cornell Law School. He received a B.A. (1929), a law degree (1930), and S.J.D. (1945), all from Cornell. She earned a master's degree in 1925 and was the first woman to serve as an instructor in the College of Arts and Sciences.

Poetry Reading Planned For Famine Relief

The Theatre of Ideas will present a poetry reading/benefit at 8:30 p.m. Friday, Feb. 8, in the Risley Theatre. Participants will include Ken McClane, Lynn Sukenick, Cecil Giscombe, Bethany Schroeder, Dorothy Cotton, Gigi Marks, Roald Hoffmann and David Burak, accompanied by Jeff Eldridge and Laura Friedman.

There will be a request for a \$1 donation to go toward famine relief in Africa. Cosponsors include the Faculty-in-Residence Program, the Creative Writing Program and the Coalition for Famine Relief. A reception will follow.

Back Pain Workshops Planned for Spring

Physical therapists at Health Services will hold four two-hour workshops on "Low Back Pain" during the spring term. The programs are offered to members of the Cornell community who have experienced episodes of low back pain and wish to prevent future occurrences.

Workshops are scheduled for Mondays between 6:45 and 9 p.m. on the following dates: Feb. 25, March 25, April 29, and May 20, 1985.

Information will be presented during the workshop on back anatomy, causes of pain, therapeutic exercises for prevention and treatment of low back pain, and stress management techniques.

Students, their spouses, and faculty and staff members interested in registering for this workshop should call the Physical Therapy office at 256-7217 to ask for a registration form. A \$10 registration fee is charged to faculty and staff members and is due in advance of the workshop.

Shakespearian Comedy Will Open Spring Season

Theatre Cornell's spring season opens with the classic Shakespeare comedy, "A Midsummer Night's Dream," on Thursday, Feb. 21, at the Willard Straight Theatre.

Artistic director David Feldshuh will lead the 21-member cast in this romantic frolic, replete with confused lovers and bumpkins. The circus atmosphere in the theatre will be created by Jack Barkla, who has designed at the Guthrie Theatre, and the Children's Theatre in Minneapolis. Rosemary Ingham will design the costumes. Her work has been seen on the stages of the Alley Theatre, the McCarter Theatre, the Milwaukee Repertory Theatre and the Kennedy Center, among others. Performances will take place at 8:15

SAGE CHAPEL

David H.C. Read Will Be Speaker

David H.C. Read will speak at Sage Chapel at 11 p.m. Sunday, Feb. 10. His sermon topic will be "That Book You Are Writing."

Read has been minister at the Madison Avenue Presbyterian Church in New York City since 1956. Ordained and installed at Coldstream West, Church of Scotland in 1936, he was chaplain to the forces of the British Army from 1939-1945 and was a prisoner of war from June 1940 to April 1945.

Read was minister at the Greenbank Church of Scotland, Edinburgh, from 1939-1949; first chaplain at the University of Edinburgh from 1949-1955 and chaplain to Her Majesty the Queen in Scotland from 1952-1955.

Read was educated at Daniel Stewart's College in Edinburgh, Montpellier, Strasbourg, Paris and Marburg. He received an M.A. with honors from the University of Edinburgh and a B.C. with distinction in dogmatics from New College in Edinburgh.

Music for the service will be provided by the Sage Chapel Choir under the direction of Stephen May, who is acting Sage Chapel organist and choirmaster.



DAVID READ

p.m. on Thursday, Feb. 21, through Saturday, Feb. 23; Thursday, Feb. 28, through Saturday, March 2; Thursday, March 7, through Saturday, March 9; and at 2:30 p.m. on Sunday, March 3.

The Critic's Corner discussion series follows the matinee performance on March 3. Members of the audience will be able to meet face-to-face with the director, actors, and designers, to offer their comments and learn more about the show and the process of putting it all together.

Tickets are \$5.50 for adults, \$4.50 for students/senior citizens on Friday and Saturday evenings; and \$4.50 for adults, \$3.50 for students/senior citizens on Thursday evening and Sunday matinee. They may be purchased at the Willard Straight Hall box office, Monday - Friday, 1 p.m. to 6 p.m. Mail and telephone orders are accepted, as are Visa and Mastercard. For more information call 256-5165.

Research Opportunities In Water Resources

The Center for Environmental Research has announced the availability of grants for water resources research under a new program of the U.S. Geological Survey.

Some \$2.5 million will be awarded nationally in 1985, with grantees matching those funds on a dollar-for-dollar basis. USGS expects to make approximately 25 awards ranging from one to three years in duration with federal costs ranging from \$25,000 to \$150,000.

For details of the areas in which research may be funded and the application kit, contact the center at 463 Hollister Hall (256-7535).

'Mr. T' Wins Prize In Frosh Seminar

The Elmer Markham Johnson Prize, awarded each term for the best paper in the Freshman Seminar Program, has been won by Roger Giner-Sorolla for his essay, "Mr. T." The essay was written for Michael D. Layne (instructor) in Romance Studies 108. The Johnson Prize, named for a former chancellor of Telluride and a freshman English instructor, was established in 1978 by Hyman Yudewitz, a graduate of Cornell.

John H. Sherry

A memorial will be scheduled during Hotel Ezra Cornell weekend (April 26-28) for John H. Sherry, international authority on the laws of innkeeping, who died Dec. 26, 1984. He was 83 years old.

Sherry, who practiced law in New York City, traveled to Cornell's School of Hotel

Administration once a week to teach courses in law. He never missed a class in 43 years.

He was named professor emeritus in 1980, having taught his courses at the hotel school since 1936. The school established the John H. Sherry Scholarship Fund in his honor at the time of his retirement.



JOHN SHERRY

He was author of "The Laws of Innkeepers" published in 1972 by the Cornell University Press. It is considered the standard in the field and is used by most universities and colleges that offer degrees in hotel administration.

During his legal career, Sherry represented clients such as Hilton Hotels Corp., Loews Hotels Corp., Mayflower Restaurants, Windows on the World, Louis Sherry, Inc., the Cosmopolitan Club and the Marco Polo Club.

He came to this country from Hungary in 1920 and earned his law degree at Columbia University (1929) at the age of 27.

He is survived by his wife Peggy, a son, John E.H. Sherry of Ithaca who is a member of the hotel school faculty specializing in law, and three grandchildren.