



CORNELL CHRONICLE

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President Writes Editorial

Ideas first expressed 125 years ago may help resolve a dilemma central to our complex age, President Frank Rhodes writes in the Feb. 6 issue of *The Chronicle of Higher Education*.

In a guest editorial Rhodes discusses the relevance to modern higher education of John Henry Cardinal Newman's "Idea of a University," the work for which the 19th century theologian is best remembered.

"We live in an age characterized by both the proliferation of knowledge and the fragmentation of our comprehension of man and society," Rhodes writes.

"The sum of our academic disciplines, for all their subtlety, does not provide a coherent view of our common humanity. The sum of the professions, for all their power, does not suggest a synthesis for dealing with our problems."

Rhodes acknowledges the importance of the disciplines: "At a time when material constraints assume increasing importance and society continues to grow in complexity, we require the most sophisticated and detailed knowledge and skills for our survival."

"But survival for what, and in what form?"

It is here that Newman's ideas provide continuing vision, "provoking us to a more profound inquiry into the ultimate nature of our humanity, urging us to embrace knowledge, not as an abstraction to be savored in isolation, but as a guide to and a servant of a life of openness, of freedom and of high purpose, both for the individual and for society," Rhodes writes.

Copies of the article are available from the Office of University Relations, 120 Day Hall.

Rhodes Opens Symposium: Values Should Be Clarified

A thought-provoking, mind-stretching discourse by Cornell University President Frank Rhodes on "Ethics and the University" was the proper opening for Cornell's second Community Symposium Saturday.

Concentrating on "values judgments" as they relate especially to students, faculty and the university in its broadest sense, Rhodes said faculty would better serve students "by clarification of values and the personal assertion of values than by the sheltering from values questions."

Speaking as a faculty member to students, Rhodes said, "We don't leave you floundering to find your own laws of gravitation . . . In no other area do we use the argument that to offer exposure to postulates is, in fact, to endanger the autonomy of the student."

However, the university must "preserve a stance of institutional neutrality" in order to serve its purpose as a shelter for debate, and "not to promote any particular viewpoint," he said.

Rhodes' thoughtful and thorough 40-minute presentation drew virtually no quarrel from the three commentators who followed him to the podium: Alfred E. Kahn, director of the Civil Aeronautics Board while he is on leave from Cornell's Department of Economics; Judith T. Younger, professor of law, and L. Pearce Williams, the John Stambaugh Professor of the History of Science.

Instead, Kahn urged his fellow faculty members to exemplify ethical values, not just talk about them, and offered seven points of guidance. Younger said university professional schools must provide "powerful ethical examples" for students, but pointed to 12 areas where this is not happening. Williams closed the morning session with a ringing call for complete honesty in the university.

"If in fact, we could make honesty the ethical standard, I would be willing to bet that the other ethical problems would soon fall into place and be relatively easy to solve," was the statement with which Williams concluded the session.

Michael Kammen, symposium

chairman and the Newton C. Farr Professor of American History and Culture, introduced the program, "Ethics and the Changing World," to the Bailey Hall audience of some 400 by characterizing the present time as one of "intellectual expansion and moral contraction."

Rhodes, who posed a number of questions throughout his presentation, at one point answered "yes" to his question, "Should we (as faculty) be involved in values questions in our formal life on campus?" He sketched several reasons why and concluded: "There can be no true education without a values concern. That notion, that values are a part of education, runs from ancient times to the present day."

He went on to say that "When other institutions of moral influence are declining in their own significance — the home, the family, the community, the place of worship, the school — when others have been taken over by 'the system,' the media and the work place, it seems increasingly to me that the university has a role to play."

Rhodes then asked, "What particular things can we do to aid our students, to aid

ourselves, in clarifying values questions?" Among his answers were:

"Imaginative consideration of knowledge...outline in course work the context of values and assumptions in which those programs are imbedded...specific courses that address values questions" (such as the ethics of law and business administration) and admirable role models for students. "We influence those around us."

One group influenced by the university about which Rhodes was quite concerned is society in general.

The university, he said, "benefits from a society that sustains it and tolerates it by serving as a place of informed criticism, of open dissent, of authoritative and dispassionate study of the human condition."

Only by preserving institutional neutrality "will the university provide a shelter for argument which society now tolerates within it...Neutrality is a public trust," Rhodes said.

He listed several "hazards of thoughtless pursuit of values questions" by faculty, concluded that section of his erudite address by stating the need to "de-

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Clinic Sets Up Cold Self-Care Guidance

A self-care cold unit has been set up at the Gannett Medical Clinic in order to accommodate the unusually high volume of students seeking treatment for the flu, common cold and other virus infections.

According to Dr. Allyn B. Ley, clinic director, there has been a small epidemic, though somewhat subsided in the past week, of upper respiratory infections, including influenza cases due to Type A virus, not the Russian flu variety.

However, cases of Russian flu have been reported recently in Broome County and Ley said there is a "good chance" the campus may experience another flu outbreak related to the Russian strain.

The Russian flu, a strain of Type A influenza virus, affects mostly young people up to the age of 24, Ley said, but the symptoms are less severe than the usual Type A flu virus.

"The outbreak of flu and other virus infections is to be expected each winter about three weeks after the return to Ithaca following intersession. This year, however, there seems to be more respiratory illness than usual," Ley said.

Consequently, the clinic is crowded and waiting times have increased sharply, he said. While the clinic is continuing to provide medical care to any students who need it, the self-care cold unit in the lobby provides students with information sheets on the various symptoms and methods of treatment for the flu,

common cold and other virus infections.

After diagnosing themselves, students can fill out a prescription blank for simple medicines, such as aspirin, nasal spray and lozenges, all of which are available at the pharmacy at Gannett.

Since treatment of viral respiratory illness is symptomatic, there is no antibiotic that will affect the course of the illness, Ley said. "That's why we've set up this special unit—to show students how they can take care of themselves and to prevent longer than usual waiting times for students, especially from 11 a.m. to 2 p.m.," he said.

Ley said professional care should be sought when cold symptoms (scratchy throat, sneezing, runny nose, moderate aching and a temperature less than 100 degrees) last more than seven days or a cough worsens.

The flu infection carries more severe symptoms than other viruses: chilly sensations, temperature in the range of 102 to 104 degrees for 24 to 48 hours, headache, muscle aches, aching on movement of the eyes, unusual weakness and frequent cough.

Fever usually lasts three to four days. Significant sore throat and runny nose are not prominent.

For symptomatic relief of virus infections, Ley suggested aspirin or Tylenol for fever and aching, more than three quarts of fluid a day, plenty of rest, simple cough medicines or hard candies and oral or nasal decongestants.

Cornellian Examines State Of Race Relations in Book

The current state of ethnic and race relations in the United States is examined by Robin M. Williams Jr., the Henry Scarborough Professor of Social Science at Cornell University, in his latest book.

"Mutual Accommodation: Ethnic Conflict and Cooperation" was published Dec. 27 by the University of Minnesota Press, and is the seventh book by Cornell's nationally known sociologist.

Williams' new book finds that intergroup conflict has often resulted in successful outcomes, a view contrary to that of many other social analysts. He concludes with an appraisal of the prospects for an integrated but pluralistic America.

Williams raises the question of how social change occurs and what strategies and tactics are best suited to produce desired outcomes. He shows that intended change in intergroup relations is feasible, and that there are conditions under which mutually satisfactory accommodations can be achieved between ethnic groups.

In the book, Williams illustrates the process of conflict and settlement in the case of schools and education, with special reference to racial desegregation.

Williams, the Scarborough Professor at Cornell since 1967, is a leading authority on social organization and conflict. A member of the Cornell faculty since 1946, he has been chairman of the Department of Sociology and Anthropology, director of the Social Science Research

Center and chairman of the Faculty Council of Representatives.

In 1975, Williams testified in the trial of Joan Little, a black woman accused of killing a white jailer, on the effects of social attitude on the performance of a jury. A survey by Williams led

Working Women Subject of Article

The programs of several foreign countries should be viewed in the United States as guides in dealing with the problems of American working women, according to Alice H. Cook, professor emerita in the New York State School of Industrial and Labor Relations at Cornell University.

Cook develops that view in her article, "European experience and American need," published recently in a compendium of 17 papers entitled American Women Workers in a Full Employment Economy, issued by the Joint Economic Committee of the U.S. Congress.

Such problems as aid to women returning to the labor market, getting training, and finding adequate care for their children are common to the United States and other countries.

According to Cook, some other countries—among them Sweden, Austria, Germany, France and Australia—have planned for these circumstances and adopted programs to deal with them. She believes that their

experiences can serve American needs.

Equality for women in the American labor market requires something more than treating women like men, according to Cook.

"When women start work—or return to work—they are often in their late 20s or early 30s, but training facilities are mainly designed and offered to school leavers and people already at work," Cook wrote. "Women have great difficulty finding programs which they can enter and which also prepare them for any but dead-end, low-paid jobs."

In addition, employment offices in this country generally are not prepared to counsel women arriving late in the labor market about their special needs for information on qualifications, access, training and career lines in the jobs they want, Cook noted.

"Although the number of mothers who work rises steadily, child care, either of pre-schoolers or school children, is only occasionally available," Cook said.

onset of the disease and, if the animal does not die from respiratory failure, it can remain paralyzed for weeks or even months. Dogs that recover regain their functions in reverse order of their loss.

The disease is likely to recur in dogs that have been afflicted, and there is some evidence that susceptibility may be passed on from one generation to the next. Male dogs seem more susceptible to the disease than females, perhaps because they are more aggressive hunters.

Before they can begin work intensively on the cause of the disease, the researchers need to establish a breeding population of susceptible animals at Cornell. They are asking coon hunters, veterinarians and others who come in contact with severely afflicted animals that are known or believed to have been recently bitten by a raccoon to send them to Cornell to join the breeding colony.

The researchers are prepared to compensate dog owners, arrange for transportation of the animal and in some cases help pay for the animal's nursing care.

If the raccoon that inflicted the bite is available, the researchers also would like to obtain it in order to analyze the saliva for causative agents.

For more information on the program contact Dr. John Cummings at (607) 256-7688, Dr. Dorothy Holmes at (607) 256-7791 or Dr. Ronald Schultz at (607) 277-3044.

Job Opportunities At Cornell University

The following are regular continuing full-time positions unless otherwise specified. Please do not inquire at individual departments. An Equal Opportunity Employer.

Individuals on lay-off status will be given preference in referrals. (*) Indicates new this week

CLERICAL POSITIONS

Sr. Admin. Secy., A-17 (V.P., Facilities & Bus. Ops.)
Sr. Admin. Secy., A-17 (Personnel)
Admin. Clerk, A-16 (Bldgs. & Grounds Care)
Admin. Secy., A-15 (University Development)
Admin. Secy., A-15 (Health Services)
* Admin. Secy., A-15 (Health Services)
Admin. Secy., A-15 (CRSR)
Admin. Secy., A-15 (2) (Arch., Art, Planning)
* Head Account Clerk, A-15 (Accounting - Endowed)
* Admin. Secy., A-15 (Univ. Libraries, Olin)
* Admin. Secy., A-15 (Univ. Development)
* Principal Clerk, A-14 (Accounting - Endowed)
Dept. Secy., A-13 (Africana Studies & Heseach Ctr.)
Dept. Secy., A-13 (University Development)
Dept. Secy., A-13 (Civil & Environ. Engineering)
* Sr. Key punch Operator, A-13 (Accounting - Endowed)
Steno III, NP-9 (Physical Biology)
* Clerk III, NP-7 (Diagnostic Laboratory)
* Steno II, NP-6 (Floriculture & Orn. Horticulture)
* Steno II, NP-6 (NYSSILR)
Steno II, NP-6 (2) (Rural Sociology)
Steno II, NP-6 (Nutritional Sciences)
* Clerk II, NP-5 (Diagnostic Lab)

SERVICE & MAINTENANCE

Univ. Service Officer, A-17 (Public Safety)
* Stockkeeper III, A-16 (Nuclear Studies)
Multilith Machine Op., A-15 (Photo Services)
Stockkeeper II, A-14 (Dining Services)
* Dishmachine Op., A-13 (Dining Services)
Custodian, A-13 (2) (Bldgs. & Grounds Care)
Custodian, A-13 (Residence Life)
Sr. Clerk, A-12 (Box 2, Barnes)
Food Service Worker, A-11 (Dining Services)
Addressographer II, A-12 (Graphic Arts Services)
Laundry Worker I, A-11 (P.E. & Athletics)
Food Service Worker, A-11 (Dining Services)

TECHNICAL

* Programmer II, A-21 (Registrar)
Synch. Oper. Tech., A-19 (LNS) (2)
* Computer Operator I, A-17 (Computer Services)
Computer Operator I, A-17 (Computer Services)
Res. Tech. III, NP-12 (Food Science & Tech.-Geneva)
Res. Tech. III, NP-12 (Div. of Nutritional Sciences)
Lab. Tech. II, NP-11 (Veterinary Microbiology)
Res. Tech. I, NP-8 (Plant Pathology)
Lab. Tech. I, NP-8 (Div. of Nutritional Sciences)
Lab. Tech. I, NP-8 (Veterinary Pathology)
Tech. Aide Jr., NP-7 (Entomology - Geneva)
Systems Analyst III, CPO5 (Physical Biology)
Broadcast Engr. II, CPO4 (ETV Center, Media Services)
Research Supp. Spec. II, CPO4 (Agronomy)
Research Supp. Spec. II, CPO4 (Collective Tissue Research)
Research Supp. Spec. II, CPO4 (Avian & Aq. Animal Med.)
Systems Programmer II, CPO4 (Entomology - Geneva)
Asst. Mgr.-Rad. Safety, CPO3 (Life Safety Svcs. & Rad. Safety)
Research Supp. Spec. I, CPO3 (Nat'l Resources-New Paltz)
Research Supp. Spec. I, CPO3 (Chemistry)
Research Supp. Spec. I, CPO3 (NAIC, Ind. Res. Lab)
Applications Programmer I, CPO3 (Physical Biology)
Systems Programmer I, CPO3 (Computer Services)

ADMINISTRATIVE

Director, CPO9 (Computer Services)
Chief, Plant Ops., CPO7 (Bldgs. & Prop.-Geneva)
* Publications Manager, CPO6 (NYSSILR)
Assoc. Admin., CPO6 (Div. of Nutritional Sciences)
* Admin. Officer I, CPO5 (Business Mgr.)(Bldgs. & Grounds Care)
Admin. Manager II, CPO5 (Johnson Museum)
Dining Manager II, CPO5 (Dining Services)
Accountant III, CPO5 (Residence Life)
SDS III, CPO5 (Basic Studies - Engineering)
Purchasing Agent II, CPO4 (Purchasing)
Exec. Staff Asst. II, CPO4 (Affirmative Action)
Housing Area Mgr. II, CPO4 (Residence Life)
Asst. Prod. Director (University Press)
Extension Support Aide, CPO2 (Agric. Economics)

PART-TIME & TEMPORARY

* Temp. Svc. Clerical (NYSSILR, temp. pt)
Admin. Aide I, NP-11 (NYSSILR-NYC, temp. ft)
Steno II, NP-6 (Comm. Svc. Education, temp. ft)
Steno II, NP-6 (Div. of Nutritional Sciences, perm. pt)
* Steno I, NP-5 (Agric. Economics) (temp. ft)
Records Clerk I, NP-4 (Vet. Microbiology, perm. pt)
Admin. Aide I, A-18 (Classes, temp. ft)
Admin. Secy., A-15 (Arch., Art, Planning, perm. pt)
* Library Searcher I, A-13 (U. Libraries, Olin, perm. pt)
Dept. Secy., A-13 (2) (Johnson Museum, perm. pt)
* Sr. Key punch Op. A-13 (Accounting-Endowed, perm. pt)
Library Asst. II, A-12 (Univ. Libraries, perm. pt)
* Records Clerk, A-11 (Health Services) (temp. pt)
* Food Service Worker, A-10 (U. Libraries, Olin, perm. pt)
* Temp. Svc. Labor (4) (Entomology-Geneva, temp. pt)
Temp. Svc. Labor (Neurobiology & Behavior, pt)
Temp. Svc. Tech. (Materials Science & Engr., temp. pt)
Res. Tech. II, NP-10 (Plant Pathology, perm. pt)
Lab. Tech. I, NP-8 (Food Science, temp. ft)
Jr. Lab. Tech., NP-6 (Biochem., Molec. & Cell Bio., perm. pt)
Pharmacist, CPO5 (Health Services, temp. pt)
Syst. Programmer III, CPO5 (Computer Svcs., temp.)
Syst. Programmer II, CPO4 (Computer Svcs., temp.)
Res. Supp. Spec. I, CPO3 (Agronomy, temp. ft)
Res. Supp. Aide, CPO2 (Ctr. Int'l Studies, perm. pt)
Ext. Support Aide, CPO2 (Comm. Svc. Education, temp. pt)

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Coonhound Paralysis Being Studied at Vet College

Coon hunters whose dogs have contracted it never forget the sight. The paralysis starts in the hind limbs, spreads rapidly to the forelimbs and neck. The face muscles may get weak and the dog's musical baying almost always becomes a squeaky yelp.

Coonhound paralysis, which is remarkably similar to Guillain-Barre syndrome that afflicted some Americans who received swine flu shots, is currently under study by researchers at the New York State College of Veterinary Medicine, Cornell University.

They don't yet have a cure—except to provide good nursing care for the animals—because they don't yet know the cause of the disease.

But with funding from the National Institutes of Health, the researchers are beginning a comprehensive search for the

causative agent—be it virus, bacteria, abnormal reaction of the body's infection-fighting system or something else.

Their findings could be of importance to coon hunters whose afflicted dogs become economic burdens and also to understanding the human disease because coonhound paralysis is the only spontaneously occurring animal model of Guillain-Barre known.

From previous work at Cornell, the researchers know that something in raccoon saliva precipitates the disease. The disease appears in susceptible dogs seven to 12 days after they have been bitten by a raccoon and is characterized by damage to the peripheral nerves near their junction with the spinal cord.

The paralysis reaches its worst level about a week after the

Pirko Is Appointed Purchasing Manager

Elizabeth B. Pirko, a University employee for more than 28 years, has been named purchasing manager-Ithaca, according to Wallace B. Rogers, director of general services at Cornell.

Pirko, assistant manager in Cornell's purchasing department since 1971, succeeds Clarence O. Decker who retired in October 1977.

Her duties as purchasing manager will include administration of the purchasing department, general stores and typewriter and instrument repair.

Pirko has served on the University's personnel council and the Hayes advisory board.

She and her husband, Edward, have three children and live at 321 Columbia St., Ithaca.

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Ithaca Renters' Guide Under Way

A new guide for Ithaca renters and an active Landlord Tenant Association will help Cornell University's off-campus students this spring, according to Rick Schwartz, co-director of the Cornell Public Interest Research Group.

PIRG is releasing the "Ithaca Renter's Bible" later this month, as the student apartment-hunting season gets underway. The booklet provides more housing-related information than has ever been compiled, Schwartz said.

"Finding an apartment is one of the biggest problems for the prospective tenant. PIRG seeks to minimize this problem with the booklet's advice about where to look, what rental rates to expect, how to read a lease and who to contact for outside help," he said.

PIRG is an advocacy and research organization working for consumer rights, environmental protection, equal opportunity, government accountability and health reform. Started by Ralph Nader in the late 1960s, PIRG has charters on campuses and in cities throughout the nation.

The housing booklet has been written in the hope that many of the problems off-campus students experience can be solved by a better understanding of the legal situation and local governmental agencies.

The new Landlord-Tenant Association, sponsored by PIRG and the Ithaca Landlord Associa-

tion, will provide a grievance procedure for tenants and landlords involved in disputes. Tenants or landlords with grievances may initiate a formal hearing process before a board composed of four PIRG members and four landlords.

More information on the hearing process may be obtained by contacting PIRG or Theron Johnson, head of the Ithaca Landlord Association. The association will start meeting monthly beginning in March.

Housing-related and other public-interest problems will be fielded by PIRG representatives at their biweekly table in the lobby of Willard Straight Hall. PIRG members may also be reached by calling the office at 256-5187 or 273-3318 or stopping by at 316 Anabel Taylor Hall, 1 p.m. to 3 p.m. daily and during the evenings on Monday.

Other projects the Cornell chapter of PIRG is pursuing include a food pricing survey, sponsorship of a series of workshops to explore the operation of the Educational Testing Service and lobbying efforts for a "Truth-in-Testing" bill to bring greater public accountability and a phone survey of tenants to evaluate Ithaca landlords and housing quality.

The Cornell chapter holds general meetings for old and new members on the first and third Wednesday of each month at 7:30 p.m. in its office.

It's as Cold as It Looks Around the Libraries



Humanities Fellows Named

Winthrop Wetherbee, professor of English, and James A. Boon, associate professor of anthropology, have been selected Cornell University Faculty Fellows for 1978-79 by the Andrew D. White Center for the Humanities at Cornell.

The fellows are released from normal University and departmental responsibilities for the year, and are expected to spend most of their time in research or writing, according to Michael G. Kammen, director of the center.

In addition, the fellows are

encouraged to offer an informal weekly seminar, and to experiment with both content and method of instruction, Kammen said.

During Wetherbee's tenure as a fellow he will be completing a book on Geoffrey Chaucer's "Troilus"—its sources, its intellectual tradition and its treatment of imaginative experience. Wetherbee is particularly interested in tracing patterns of influence and thematic relationships between Dante and Chaucer.

He will offer a seminar at the

center on "Poetic Influence in the Middle Ages."

Boon will explore the ethnological perspectives of English and Dutch cultures during the late 16th and 17th centuries during his year as a fellow. He is especially interested in European perceptions of tribal populations, Indic kingships, and exotic rituals understood in the context of several domestic issues.

He will offer a seminar at the center on western European ethnology in the Elizabethan and Jacobean eras.

Wetherbee, who came to Cornell in 1967 after earning his Ph.D. at the University of California at Berkeley, is an authority on medieval literature. In addition to numerous articles in scholarly journals, he is the author of two books: "Platonism and Poetry in the Twelfth Century" and "The Cosmographia of Bernardus Silvestris."

He earned his bachelor's degree at Harvard University and his master's degree at the University of Leeds in England.

Boon is a member of Cornell's Southeast Asia Program as well as the Department of Anthropology. He came to Cornell in 1977 after serving on the faculty at Duke University.

In addition to more than 20 published articles and essay-reviews, Boon is the author of two books: "The Anthropological Romance of Bali, 1597-1972: Dynamic Perspectives in Marriage and Caste, Politics and Religion" and "From Symbolism to Structuralism: Levi-Strauss in a Literary Tradition."

Boon is currently completing a volume titled "Native Meaning: Comparative Methods in Symbolic Anthropology," to be published in 1979.

He is a graduate of Princeton University and holds master's and Ph.D. degrees from the University of Chicago. He held a post-doctoral fellowship at the Institute for Advanced Study in Princeton, N.J.

Appledore Garden To Be Restored

Appledore Island, currently the summer headquarters of the Shoals Marine Laboratory, was a mecca for literary and musical artists in the 19th Century and the site of the magnificent garden of Celia Thaxter, who is best known for her poems and prose about the Isles of Shoals.

John M. Kingsbury, founder and director of SML, began the restoration of Thaxter's garden last year with help from the Cornell Plantations, the Rye Beach-Little Boar's Head Garden Club and many individuals.

He describes Thaxter's connection with the Isles of Shoals, the original garden, and current restoration efforts in the introduction to a new edition of Thaxter's book, "An Island Garden."

Although known primarily for its literary value, "An Island Garden" contains careful descriptions of the original garden—what varieties were used, where they were planted and how the noxious pests were combatted.

Kingsbury, the Plantations staff and others have taken Thaxter at her word and have attempted to use exactly the same varieties she used in the restored gardens task which has necessitated a search of the world's botanical collections, a call to

alumni, and may eventually require backcrossing to re-create varieties that have been lost since Thaxter's time. Kingsbury has indexed the botanical information in the book in order to make it more useful to botanists.

The original work was illustrated by Childe Hassam, one of the first Americans to use the impressionistic style of painting. All 11 of his original paintings are reproduced in black and white and appear in the same position as in the original volume. The new edition also reproduces eight of the paintings in full color in a special section that includes photographs of the original garden and current restoration efforts.

The 164-page hardbound book is available through the Shoals Marine Laboratory, 202 Plant Science Building, Cornell University, Ithaca, N.Y. 14853. It is sale priced at \$12.50 through March 1 and will sell for \$15 thereafter. Checks should be made payable to "An Island Garden."

Proceeds from the sale of the book will be used to support the garden restoration project.

Personnel Section Moved

The Wage and Salary Compensation section of Personnel Services at Cornell University will move to 101 Schuyler House on Seneca Street near Sage Infirmary from 726 University Ave. on Wednesday (Feb. 15).

The move of the staff of five is to make room for future relocation of other University departments.

The section will retain its current telephone number, 256-7170.

The employees moving are Nancy E. Stark, manager; E. Peter Tufford, staff specialist; Cynthia M. Smithbower, personnel associate; Josephine N. Musicus, personnel associate, and Peggy J. Reynolds, administrative secretary.

\$103,000 Contract Awarded to ILR

The New York State School of Industrial and Labor Relations at Cornell University has been awarded a \$103,000 contract by the U.S. Department of Labor to study the possibility of creating a comprehensive index to publications and documents concerning labor and industrial relations.

The award to Cornell's ILR School was made because the Labor Department and its library are aware that access to accumulated information is hampered by the lack of searching systems comparable to those in other disciplines.

The USDL accepted a proposal by J. Gormly Miller, professor of industrial and labor relations and director of libraries at Cornell, and Shirley F. Harper, ILR School librarian, to show how a comprehensive plan for indexing and abstracting the literature of labor and industrial relations can be put into effect.

The plan envisions a computerized bibliographic data base similar to those in education, psychology, and other fields which could be searched interactively using on-line computer ter-

minals. A computer program for this system is available and has been tested on Cornell's IBM 370/168 computer.

The ultimate objective of the project is to establish the feasibility of a unified Labor-Industrial Relations Information Service which would provide a comprehensive index for the Labor Department and its regional offices, and would also be available to many other subscribers nationwide.

The study of the proposed information service includes a survey of Labor Department personnel to determine their needs for information as well as a review of specialized information files in the department and a review of the services now provided by the department's library.

The contract will permit researchers to create a test data base for the computerized information searching system, using a recently developed thesaurus of specialized terms for the labor field as the indexing and searching vocabulary, according to the proposal submitted by Miller and Harper.

The information service would provide access by subjects to information on labor market behavior, industrial relations, training, occupational health and safety, employment and related subjects.

The Labor-Industrial Relations Information Service could provide a computerized key to this information for members of the Labor Department as well as for industrial and labor relations professionals throughout the nation.

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Chronicle Comment

Chronicle Comment is a forum of opinion for the Cornell community. Address comments to Elizabeth Helmer, Managing Editor, Chronicle, 110 Day Hall. Letters submitted for publication must be typed, double space, no more than 600 words in length. The Chronicle must adhere to this limit because of space and financial restrictions. The deadline is Monday noon. Letters addressed to someone other than the editor, personal attacks against individuals or unsigned letters will not be printed.

Parking Tickets 'Enterprising'

Editor:

I am a hunter. I have a permit. The permit costs a hundred and eight dollars a year. It is called an S permit. This permit allows me to hunt for a place to park. It is the most coveted of all parking permits because it is supposed to allow me to park in any legal parking place. It is a very hard permit to get and requires much paper shuffling and many forms to decipher. All the rules and

regulations of the Traffic Bureau are like a form 1040. We live with it like a hernia you never had fixed. It galls you every year but it never kills you outright. The enforcement of the rules is now vested in the Safety Division.

The Safety Division hands out tickets. Nobody likes to hand out tickets, so they hire students to do it while our stalwart guardians of the peace ride around in powerful cars with woo-woo sirens. These are the trained ones who stand ready to pounce on some poor boob who makes a left turn onto Central Avenue at 4:45 p.m. Let the students take care of the parking tickets. Nothing like socking on a ticket to work off a little aggression. But are they on enterprise?

Only one problem in all this, some Cornell students don't know an S from a U or an AB. You have heard of the reading problem? Right? All the student has to do is jot down a few crude markings on a piece of paper and slip it under your windshield, and you are in for the ride of your life.

This little paper is designed to milk you of some hard cash. They can hit you for anything from \$5 to \$20 in a single shot.

Take officer "SA-10." SA-10 wrote an official Cornell University Parking Summons #24747 which explained that the violation was for a number (1) "Parking without a permit" and also a number (4) "Not registered with the University." SA-10 got everything right, even including the CU registration number which SA-10 read right off of my "S" sticker... Of course, we must assume SA-10 did not see the "S" sticker, but did somehow manage to read the smaller registration number right off of it without seeing it. Of course if SA-10 had really seen the S sticker, there would have been no reason for the aforesaid charges, no violation. However, the ticket was real enough. The total fines, if paid, would be \$15. Which is not bad.

But this is not the end of the story. Come with me to that great bureaucracy the Traffic Bureau on Wait Avenue whose function it is to try to collect these fines for "violations" real

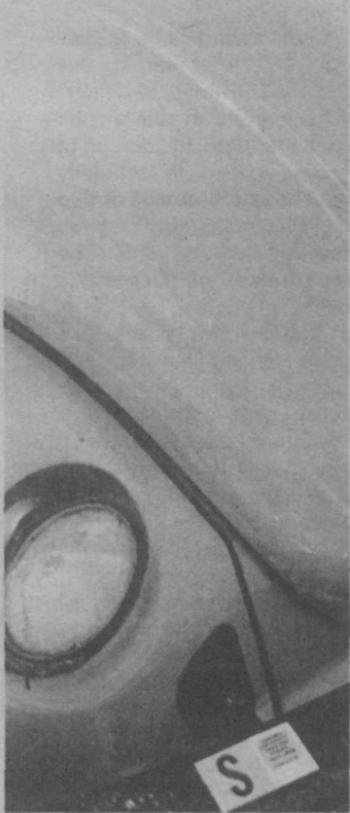
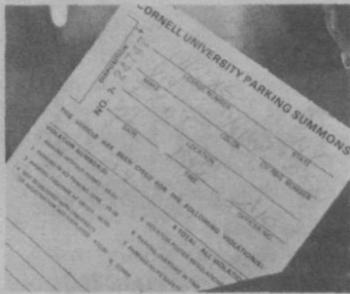
or imaginary. Here one is confronted by a counter behind which there exists several finetaker types whose duty is to receive checks and issue receipts. Anything less than a check is met with a blank stare and a voice speaking like a tape recorder which says, "You must fill out a violation appeal form. You will be given an appointment if you wish to appeal in person before an appeals officer... You have 10 days."

Now it happens that you don't have 10 minutes, let alone 10 days, so you exit from 115 Wait Ave. (it got its name from the long waiting lines of the harassed) and you go back to work on campus, trying to do those things for which you were hired and for which you are paid. So you park the heap right back there where it was on Tower Road, all nice and legal, right beside old Rusty.

Yes, you guessed it. An hour later, there's another ticket from SA-10. This time the ticket number is 26432 and the accusation is that I am parking without a permit. Oh yes, the CU registration number appears once more on the ticket, taken right from the S sticker, which of course SA-10 still does not see.

It is now 5 p.m. and it is Friday and a most unusual, sunny day, and I have not the time to fight it. So I am driving home and thinking how remarkable it is that a Cornell student can read the fine print right off of an "S" sticker and still not see the big, black "S." I am thinking how hard that student is working at the job of slapping summons after summons on cars and how aggressive and satisfied that student must be, and then it hit me. The first ticket was numbered 24747 and was issued at 1345 (that's 1:45 p.m. civilian time) and the second ticket was issued at 1625 (that's 4:45 p.m. civilian time) and the second ticket is numbered 26432. If the tickets are numbered sequentially, then that means SA-10 wrote a total of 685 tickets in three hours and 20 minutes. Now THAT's enterprise.

Russell Hamilton
Visual Services



One-Act Plays to Be Given

Two one-act plays, "The Marriage of Bette and Boo" and "The Transfiguration of Benno Blimpie" will be presented in four performances Feb. 23 to Feb. 26 at 8:15 in Cornell University's Drummond Studio.

The plays are written by Christopher Durang and Albert Innaurato, two former Yale Drama School classmates. Durang's "The Marriage of Bette and Boo" and Innaurato's "The Transfiguration of Benno Blimpie" were written during the summer of 1972, while both authors were at Edward Albee's retreat for playwrights. The plays are directed by John Greenwood, a Cornell law student.

Durang's most recent plays include "An American Tragedy

(The Vietnamization of New Jersey)" and "A History of the American Film," which will open on Broadway this spring. According to the Cornell theatre department, "The Marriage of Bette and Boo" is a play with a "crazy-quilt plot covering 20 years in 24 scenes with an unusual blend of comedy, pathos and the grotesque."

Innaurato is the author of "Ulysses in Traction" and the current Broadway hit, "Gemini." "The Transfiguration of Benno Blimpie" was produced off-Broadway last spring and was widely reviewed. Like much of Innaurato's work, the play concerns characters who cannot comprehend emotional needs except in physical terms.

Benno is 25 years old and weighs 500 pounds. He has locked himself in a room where he intends to eat himself to death. The play reveals a series of memories forming the reason for the suicide.

Tickets for the double bill are available starting Feb. 16 at the Willard Straight Theatre Box Office, open 3 p.m. to 6 p.m., Monday, through Friday; 256-5165.

Fulbright Scholars At Cornell

Islamic Professor Is Sage Speaker

Isma'il al Faruqi, professor of Islamics at Temple University, will be the speaker at the Sage Chapel convocation at 11 a.m. Sunday, Feb. 19. His topic will be: "The Advent of Muhammad."

Born in Jaffe, Palestine, Faruqi studied at the American University of Beirut and then served in the Palestinian government. At the termination of the British Mandate for Palestine in 1948, he was district governor of the Galilee District.

After receiving degrees in philosophy from Indiana University and Harvard University, Faruqi taught at the Institute of Islamic Studies of McGill University, Montreal in 1958.

He is the author of numerous books, translations and articles, and serves as member of the Board of Editors of the "Journal of Ecumenical Studies," "Islam



and the Modern Age" and "Journal of South Asian and Middle Eastern Studies." He is also chairman of the Islamic Studies Group of the American Academy of Religion.

Music will be provided by the Sage Chapel Choir under the direction of Thomas Sokol, Cornell University director of choral music and acting choirmaster. Organist will be William Cowdery, graduate assistant.

Visiting Professor To Give Lectures

Marcus Cunliffe, professor of American studies at the University of Sussex in England, will speak at Cornell University on Feb. 20 and 21 as a guest of the Andrew D. White Center for Humanities.

On Monday, Feb. 20, Cunliffe will give a free, public lecture on "Monarchy, Republicanism and the Americans" at 4:30 p.m. in 110 Ives Hall. On Tuesday, Feb. 21, he will make a presentation and lead a seminar on "Black Slavery and Wage Slavery" at 2 p.m. in the Andrew D. White House, Room 201.

Cunliffe, the author of many books, is co-editor of a 20 volume series, "The American Destiny." Among his own works are "George Washington: Man and Monument," "Soldiers and Civilians: The Martial Spirit in Ameri-

ca" and "American Presidents and the Presidency."

He gave the Jefferson Memorial Lectures at the University of California at Berkeley in 1976, and has been a visiting professor of American history at Harvard University, the graduate center of the City University of New York and the University of Michigan.

War on Waste

Here is one of the many repeat suggestions for saving money that have crossed the desk of the University's War on Waste Committee:

Do not seal the flap of messenger envelopes with scotch tape.

If you have other suggestions, please submit them to Jack W. Lowe, B-7 Day Hall. If yours is a good one, it might win a cash prize.

Job Opportunities

Continued from Page 2

- Temp. Svc. Prof. (Conference Office, temp.)
- Regional Director, CPO4 (Univ. Dev. - Cleveland, pt)
- Appl. Programmer I, CPO3 (Computer Svcs., temp. pt)
- Syst. Programmer I, CPO3 (Computer Svcs., temp.)
- Appl. Programmer I, CPO3 (Computer Svcs., temp. pt)
- ACADEMIC & FACULTY POSITIONS (Contact Department Chairperson)
 - * Research Associate III, CPO5 (NYSSILR - NYC)(2)
 - * Sr. Asst. or Assoc. Librarian (U. Libraries, Uris)
 - * Research Associate III, CPO5 (STS Program)
 - * Research Associate III, CPO5 (CRSR)
 - * Asst. Prof.-Microbiology (Microbiology)
 - * Asst. Prof. (Dept. of Agronomy, Div. of Atmos. Sciences)
 - Research Associate (Biochem., Molec., & Cell Biology)
 - Research Associate, CPO4 (Environmental Engineering)
 - Lect., Asst. Prof., Assoc. Prof. (1 position) - Social Planning & Social Theory (City & Regional Planning)
 - Asst. Prof. (Division of Nutritional Sciences)
 - Asst./Assoc. Prof.-Animal Physiology (Div. of Biological Sciences)
 - Sr. Extension Associate (Natural Resources)
 - Asst. Prof. - Plant Pathology (Dept. Plant Pathology)
 - Plant Pathologist, Ext. Assoc. III (Dept. Plant Pathology)
 - Research Assoc. I, CPO3 (Lab Nuclear Studies)
 - Asst. Professor (Structural Engineering)
 - Lecturer (Biochem., Molec. & Cell Biology)
 - Asst. Prof. - Housing (Consumer Econ. & Housing)
 - Lecturer (Education)
- COOPERATIVE EXTENSION (Contact Personnel Recruitment Section, 212 Roberts Hall)
 - Extension Agent - 4-H, Home Econ. (Voorheesville, NY)
 - Extension Agent - Home Econ. (Canton, NY)
 - Extension Agent - 4H (Middletown, NY)
 - Extension Assoc. - Sea Grant, Planning (New York, NY)

Reflecting the international scope of research at Cornell, there are currently 18 visiting research scholars and lecturers at the University from 12 countries with Fulbright-Hays awards. They are working in such fields as anthropology, chemistry, government, material sciences, thea-

ter arts, computer sciences and sociology. The countries include Poland, France, Japan, Peru, Yugoslavia, Romania, and Iran.

Coordinated by the Council for International Exchange of Scholars, the Fulbright-Hays awards are held nation-wide this year by 657 scholars from 67 countries.

Expert to Give Talk On Russian Art

John E. Bowlt, the leading authority in the west on Russian art of the modern period, will speak at Cornell University at 4 p.m. Thursday, Feb. 23, in the auditorium of the Herbert F. Johnson Museum of Art. His topic will be "Soviet Unofficial Art: Ethics or Esthetics?"

Bowlt's illustrated lecture is in conjunction with a two-day conference on Soviet dissident painting sponsored by the Department of Russian Literature at Cornell. An exhibition of unofficial, avant-garde art from the Soviet Union, which began Jan. 17, will continue through Feb. 26 at the Johnson Museum.

Bowlt, professor of Slavic literature at the University of Texas, was guest curator for an exhibition of works on loan from the Soviet Union to the Metropolitan Museum of Art in New York City last year.

"This fact attests to his pre-eminence in the field," according to Patricia J. Carden, associate professor and chairman of the Department of Russian Literature at Cornell.

Six years ago, Bowlt was at Cornell to participate in a conference on Russian modernism in the arts. "His lecture was one of the best received, and his paper in the volume that was subsequently published has been singled out by reviewers for special praise," Carden said.

"In short, there is no one who would lend greater distinction to the conference at Cornell than Professor Bowlt," she said. His appearance is sponsored by the Cornell committees on University Lectures and Soviet Studies.

Bowlt is at Yale University during the 1977-78 academic year as a Fellow of the National Endowment for the Humanities.

He has been on the faculty at Texas since 1971. He previously taught at the University of Kansas, the University of Birmingham in England, and the University of St. Andrews in Scotland.

A native of London, Bowlt earned his bachelor's and master's degrees at Birmingham and his Ph.D. at St. Andrews.

Risley Theater Sets '...Virginia Woolf'

Risley College will open its spring theatre season with a production of Edward Albee's "Who's Afraid of Virginia Woolf?" at 8:15 p.m. Thursday, Friday and Saturday, Feb. 16-18 in the Risley Theatre at Cornell University.

Producer Duo Dickenson called the production "ambitious and demanding."

"Perhaps one of the most powerful dramas of the modern era, 'Who's Afraid of Virginia Woolf?' presents a long list of problems, especially for a student production," he said.

Director Paul Murphy, a veteran of many Risley efforts, said the Risley Theatre was perfect for the play in terms of scale and resources.

In the roles made famous on Broadway by Arthur Hill and Uta Hagan and in the movie by Elizabeth Taylor and Richard Burton, Murphy has cast Katy Heine as Martha and Paul Booner as George. Andrea Silverman is Honey and Jon Palace portrays Nick her husband.

"It's very dangerous to produce a play which is set in a specific context and present it to

an audience that is living in the real life the play represents," said Dickenson, "and that's just what we propose to do."

The play is set in an academic environment, similar to Cornell's, and many in the audience should recognize colleagues and professors, Dickenson said.

Tickets are available for \$2.50 at the door or at the Willard Straight Hall Box Office.

Viola and Violin Concert Planned

Sonya Monosoff and Patricia McCarty will present a recital for the unusual combination of violin and viola at 8:15 p.m., Friday Feb. 17 in Cornell University's Barnes Hall auditorium. The concert is free and open to the public.

Violinist Monosoff and violist McCarty will open their program with the Duet in C Major by Ernst Eichner, a contemporary of Mozart. They will play Mozart's Duo in G Major, K. 423. McCarty



A drawing in the linear tradition, "Achilles Swearing Vengeance for the Death of Patroclus" by Anne-Louis Girodet-Trioson is on display at the Johnson Museum of Art.

Museum Exhibits Linear Art

Drawings and prints demonstrating the international aspect of the linear tradition will be displayed at the Herbert F. Johnson Museum of Art until March 19. Artists include Blake, Flaxman, Girodet, Ingres, Klee, Matisse and Picasso.

"The Linear Tradition: Selected Drawings from the Eighteenth to Twentieth Century" was organized by Harriet Fowler Mullaney, a graduate student in Cornell's Department of History of Art.

She selected the works from the Johnson Museum's collection as well as from several public and private collections. A descriptive brochure, with an in-

roduction and notes by Mullaney, is available.

"The idea of pure linear contour as the primary expression of form shows a richly diverse development," says Mullaney. "The tradition extends from its origins in late 18th-century

British and European art to the works of the 20th-century analytical cubists."

Museum hours are Tuesday through Saturday 10 a.m. to 5 p.m., Sunday 11 a.m. to 5 p.m., Wednesday evenings open until 9.

First Netanyahu Lecturer

Archaeologist to Give Talks

Moshe Kochavi (co-SHAH-vee), director of the Institute of Archeology at Tel Aviv University, will deliver the first Col. Yonatan (YON-a-tin) Netanyahu (NET-on-yahoo) Lecture at Cornell University.

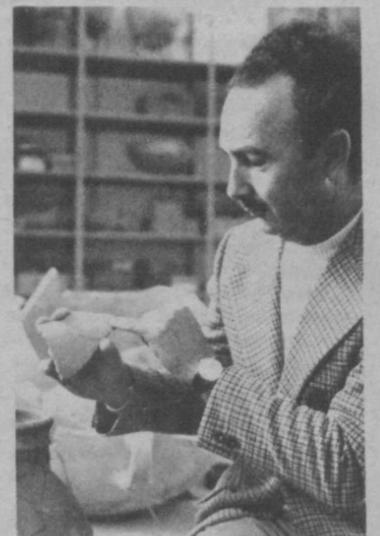
Kochavi will speak at 8 p.m. Monday, Feb. 20, in Kaufmann Auditorium on "The Excavation of Apeh-Antipatris: 5000 Years of History Revealed." The illustrated lecture is free and open to the public.

His appearance is sponsored by the Col. Yonatan Netanyahu Memorial Fund for Jewish Studies, established to honor the memory of Col. Netanyahu who was killed on July 3, 1976 while leading the Israeli commando group which rescued 103 hostages at Entebbe Airport in Uganda. His father, Benzion Netanyahu, is professor of Near Eastern studies at Cornell.

Kochavi is one of the leading Israeli archeologists, according to David I. Owen, chairman of Cornell's Department of Near Eastern Studies, and is an expert on the historical geography and archeology of Israel.

He has conducted numerous excavations in Israel since 1963 and had directed a major excavation at the biblical site of Apeh-Antipatris since 1972.

"The discoveries at the site have been dramatic and include remains from the Early Bronze Age, the Late Bronze Age—with its Egyptian governor's residence, Egyptian hieroglyphics and Sumerian, Babylonian and Canaanite cuneiform inscriptions and Mycenaean imports, Philistine pottery and extensive remains of the Israelite period," according to Owen. "In addition, excavations of the Herodian town of Antipatris have revealed



Moshe Kochavi

significant materials of the Roman period."

Cornell will participate in the excavations this summer, during which Owen will be conducting a field excavation course for Cornell students.

Col. Netanyahu's death at the age of 30 brought numerous gifts to Cornell in his honor, and the Col. Yonatan Netanyahu Memorial Fund for Jewish Studies was established. The fund, administered by a committee of trustees from the Cornell faculty, will support the expansion of Jewish studies at Cornell and further strengthen the academic ties between the University and the State of Israel.

Col. Netanyahu was one of the youngest lieutenant colonels in the Israeli army. Acknowledged as one of the most talented officers in the corps, it was reported in Israeli newspapers after his death that he was destined to achieve the rank of chief of staff.

Women in Science Discussion Slated

"Combining an Academic Scientific Career and Family Life" will be the topic of a panel discussion at 7:30 p.m. Wednesday, Feb. 22, in 135 Emerson Hall, Cornell University. The discussion, sponsored by the Cornell Chapter of Graduate Women in Science, is free and open to all interested persons.

Ruth E. Buskirk, assistant professor of neurobiology and behavior at Cornell; Catherine G. Fabricant, senior research associate in veterinary microbiology at Cornell; Lou J. Hughes, assistant professor of chemistry at Ithaca College; Miriam Salpeter, professor of neurobiology and behavior and

applied and engineering physics at Cornell, and Virginia Utermohlen, assistant professor of biochemistry, molecular and cell biology, will describe their experiences and their ways of coping with the combined demands of work and home. The meeting will then be opened to the audience for questions and discussion.

Graduate Women in Science was founded at Cornell more than 50 years ago to promote fellowship among women in science and to encourage their scientific pursuits. Any person who has been or is engaged in a program of mathematical or scientific research is eligible to become a member.

will make a solo appearance in Suite for Solo Viola in E minor, Opus 131d by Max Reger (1873-1916). The duo will perform two 20th century works: Three Madrigals by Bohuslav Martinu and Variations by Wallingford Riegger.

The recital is unusual also in combining the talents of two local music faculties: Monosoff is a professor of music at Cornell University; McCarty joined the faculty of the School of Music at Ithaca College last fall as a teacher of viola.

Monosoff is a familiar concert artist in the Ithaca area, performing extensively as soloist, with the Amade Trio and visiting chamber ensembles. She has toured widely in this country and in Europe. Her credits include a number of successful record releases, particularly of Baroque music. Her latest recording of Francesco Geminiani sonatas will be released next month.

McCarty earned B.M. and M.M. degrees while a student of Francis Bundra at the University of Michigan. Winner of the First Silver Medal and Prix Radio-phonique in the 1972 Geneva International Competition, she has appeared as soloist with the Houston Symphony, l'Orchestre de la Suisse Romande, with the Ithaca College Orchestra in New York's Alice Tully Hall, and in chamber performances on tour with "Music from Marlboro."



Student Design Wins Prize

Michael Kreinsen, Eng. '77, and Saw-Teen See, Eng. '78, show a model of their prize-winning design for a University Field House utilizing an elliptical cable roof. Along with Mario E. Ianniello, Eng. '77, who also collaborated in the project, they won first prize worth \$1,000 in the 1977 Student Engineering Design Competition sponsored by the James F. Lincoln Arc Welding Foundation. They won the top prize in the structural division, undergraduate level. The project, completed last Spring was under the guidance of Peter Gergely, professor of structural engineering. The Department of Structural Engineering will also receive a \$250 award from the Foundation. The winners were announced this fall.

New Research Grants Listed

The Office of Academic Funding announces the following new grants and contracts for sponsored programs for the Ithaca and Geneva units of the University. This list does not include renewals or continuations. The new awards were received from 11/23/77 - 1/13/78.

Aller, D.J., Agricultural Economics, An Economic Evaluation of Policy Options Directed Toward Endowed Energy Recovery for the Outer Continental Shelf, Sea Grant Program, 12 months, \$6,730.

Ambegaokar, V., LASSP, Theoretical Research in Condensed Matter Physics, NSF, 12 months, \$157,934.

Ast, D.G., Material Science and Engineering, Mechanical Properties of Metallic Glasses, NAVY, 12 months, \$14,957.

Baker, R.C. and Regenstein, J., Poultry Science, Development of Convenience Product from Underutilized Species of Fish, Sea Grant Program, 12 months, \$22,192.

Bloom, A.L., Geological Sciences, Global Isostatic Deformation From Ice and Water Loads Calibrated by Holocene Sea-Level Histories, NSF, 12 months, \$35,000.

Borker, R.A., Anthropology, Afghan Symbolic Systems, NSF, 12 months, \$4,925.

Bowers, W.S., Geneva Experimental Station, Investigation of Synthetic and Naturally Occurring Chemicals for Biological Activities, CIBA-GEIGY, 12 months, \$4,000.

Bronfenbrenner, U., Human Development and Family Studies, Vanguard Pilot Project: Support System for Black and White Families in the U.S., Charles Mott Foundation, 12 months, \$80,483.

Brown, T.L., Natural Resources, Improving Recreational Access to the Great Lakes, Sea Grant Program, 12 months, \$18,454.

Brown, T.L., Natural Resources, Public Attitudes Toward Black Bear in the Catskills, N.Y.S. Department of Environmental Conservation, 5 months, \$5,200.

Burns, J.A., CRSR, Viking Guest Investigator Program, NASA, 12 months, \$24,700.

Campbell, T.C., Nutritional Sciences, Nutrition and Chemical Carcinogenesis, American Cancer Society, 24 months, \$129,146.

Cesario, F.J., Civil and Environmental Engineering, Development of a Marine Transportation Education Program, Sea Grant Program, 12 months, \$5,808.

Eastman, L.F., Electrical Engineering, Grow High Purity Epitaxial Gallium Arsenide Buffer Layers on Semi-Insulating Substrates and Test Properties, Westinghouse Research Lab, 6 months, \$4,990.

Eisner, T., Biological Sciences, Chemical Ecology of Insects, NSF, 24 months, \$70,000.

Ezersky, E.M., Cooperative Extension, Operation Explore — Fall 1977, N.Y.S. Department of Parks & Recreation, 2 months, \$7,500.

Ganem, B., Chemistry, Synthesis and Biosynthesis in the Shikimate Pathway, NIH, 12 months, \$88,005.

Gierasch, P.J., CRSR, Viking Guest Investigator Program, NASA, 12 months, \$14,350.

Gillespie, J.H., Veterinary College, Survey for Detection of Viruses in Hard Clam, Sea Grant Program, 12 months, \$31,345.

Goodrich, D.C., Agricultural Economics, Structure of Market for Fish and Shellfish in New York State and Market Potential for New Processed Fish and Shellfish Products, Sea Grant Program, 12 months, \$28,285.

Greene, W.H., Economics, Subgrant of University of Wisconsin Prime NSF Grant, University of Wisconsin, 12 months, \$28,166.

Hood, L.F. and Gall, R.R., Food Science, Recovery and Utilization of Protein and Other Nutrients from Seafood Wastes Processing, Sea Grant Program, 12 months, \$28,734.

Houston, P.L., Chemistry, Energy Disposal in Electronically Excited Halogens, AF, 12 months, \$33,660.

Kinsella, J.E., Food Science, Lipids: Their Role in Fish Quality, Sea Grant Program, 12 months, \$25,184.

Kulhawy, F.H. and Sangrey, D., Civil and Environmental Engineering, Development of a Coastal Structures Construction Manual, Sea Grant Program, 12 months, \$16,154.

Leibovits, L., Veterinary College, Pathologic and Immunologic Responses of Commercially Important Species of Long Island Shellfish, Sea Grant Program, 12 months, \$30,443.

Liu, P.L., Civil and Environmental Engineering, Coastal Currents and Sediment Transport on Great Lakes Shoreline, Sea Grant Program, 12 months, \$17,520.

Loehr, R.C., Agricultural Engineering, Water Quality Lagoon Evaluation, USDA, 16 months, \$9,200.

Lumley, J.L., Mechanical and Aerospace Engineering, Modeling of Turbulent Flows, NAVY, 12 months, \$35,014.

Mahr, H., LASSP, Experimental Study Towards Construction of Soft X-Ray Lasers, NSF, 12 months, \$53,000.

Nickum, J.G., Natural Resources, Intensive Culture of Wallege, Sea Grant Program, 12 months, \$7,866.

Reppy, J.D., LASSP, Program of Research in the Study of Quantum Fluids, NSF, 12 months, \$68,918.

Scott

Norman R. Scott has been named chairman of the Department of Agricultural Engineering at the State College of Agriculture and Life Sciences.

Appointed for a five-year term, effective Feb. 1, Scott succeeds E. Stanley Shepardson, who has returned to research and extension duties after six years as chairman of the department.

Scott joined the Cornell faculty in 1962 when he was ap-

pointed assistant professor of agricultural engineering. He was promoted to associate professor in 1968 and to full professor in 1976.

Smith

Charles R. Smith has joined the executive staff of the Cornell University Laboratory of Ornithology, with responsibility for the laboratory's public education programs.

Among his responsibilities are the weekly radio program,

"Know Your Birds," heard Saturday mornings at 9:12 a.m. on WHCU, AM and FM; arranging Monday night seminars; supervising the laboratory's home study course, extension activities and the biological aspects of the sanctuary; coordinating exhibits and maintaining the laboratory's volunteer program.

Arena

Bruce Arena, who coached the Cornell freshman lacrosse team in 1974, is returning as head coach of the Big Red varsity B team. He will be assisted by Eamon McEaney, a member of last year's NCAA Division I championship team at Cornell.

The announcement of the two appointments was made by Dick Schultz, director of athletics at Cornell.

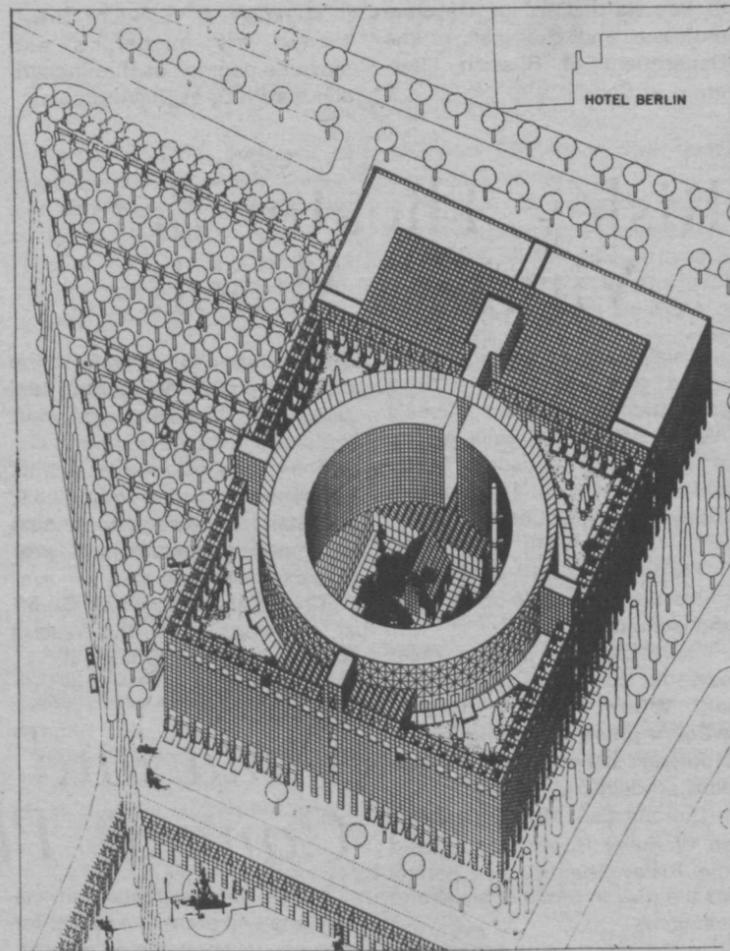
Arena replaces Scott Anderson, who has gone into business in Boston.

Wertheimer Named To U.S. Commission

Barbara Mayer Wertheimer of New York City, director of the Institute for Education and Research on Women and Work at the New York State School of Industrial and Labor Relations, has been named to the National Commission on Working Women.

The commission, a two-year, non-governmental advocacy

body, has been created to actively promote and improve the conditions of women workers concentrated in low-status, low-paying jobs in service industries, clerical occupations, retail stores, factories and plants.



Award-winning hotel design by Cornell architects and hotel management experts in a mini-city-within-a-city.

Cornellians Win Design Competition

A team of Cornell University architects and hotel management experts have won the design competition for a \$100 million hotel complex to be built in West Berlin, Germany, over the next two years.

Competing with four other design teams, two from Switzerland and two from Berlin, the American team's design introduces an innovative approach to hotel construction and operation by European standards.

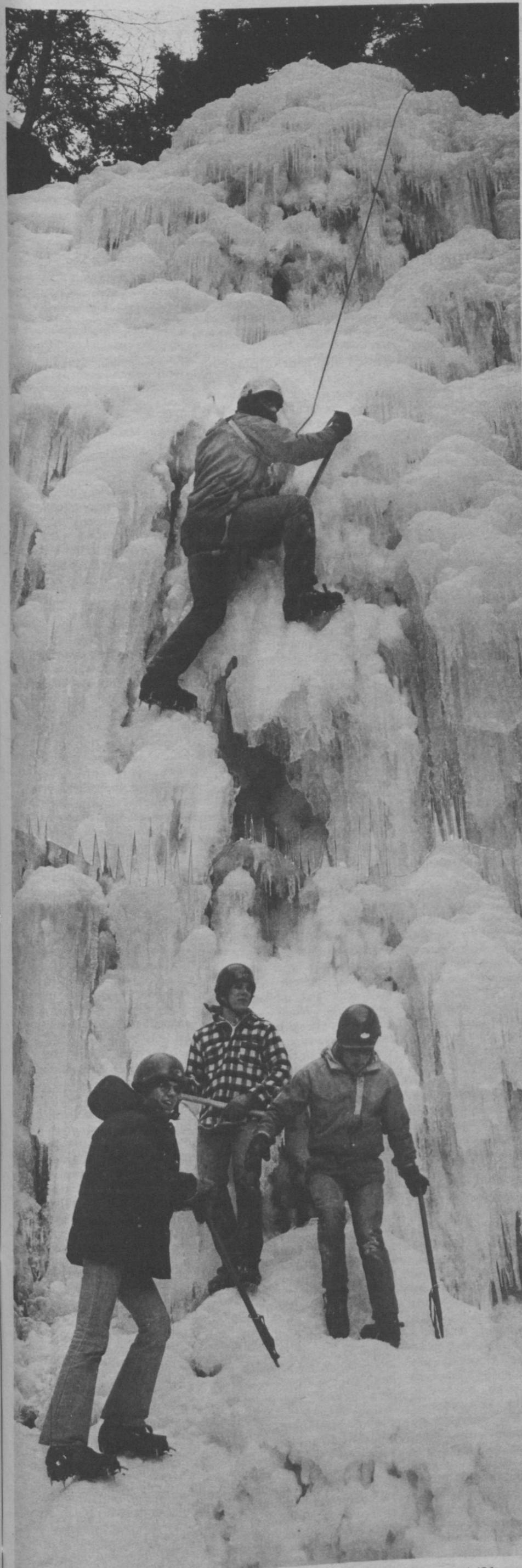
Describing the design as a "mini-city within a city," O.M. Ungers, professor of architecture at Cornell, said the concept, however, is well established in American hotel construction. The hotel will be built by Swiss hotel developer Jaques Rosenstein, president of the Hotel Berlin Inc., which sponsored the competition in cooperation with the City of West Berlin. The Cornell team was notified Nov. 14 that its design will be used for the project.

The 1,600-bedroom hotel will be the largest in West Germany and will be aimed, to a great extent, at convention trade. The seven-story structure will have an interior public plaza containing restaurants, shops and all the amenities of a "mini-city."

Ungers, who is on the faculty of the School of Architecture, Art and Planning, headed the design team which included Hans Kollhoff, an instructor in architecture, and former graduate student, Arthur Ovaska, now a practicing architect. Also on the team were two members of the faculty at the School of Hotel Administration at Cornell: Richard A. Compton and Richard H. Penner. Ungers, Kollhoff and Ovaska will serve as architectural consultants during construction of the project expected to start before the end of December.

Compton and Penner are expected to serve as consultants to Hotel Berlin Inc. on matters of hotel management and operation.

All items for publication in the Cornell Chronicle must be submitted to the Chronicle Office, 110 Day Hall, by noon on the Monday preceding publication. Only typewritten information will be accepted. Please note the separate procedure and deadline for Calendar entries, as explained at the end of the Chronicle Calendar on the back page.



Steve Kamm watches Nate Whetten in an ice cave.

Ice Assault

As waterfalls go, the lower 60-foot Lick Brook falls is not rated as one of the mightiest falls around Ithaca, but freeze it solid and it rates as one of the most gigantic popsicles of all time. And freeze solid it does, especially at 12 below zero, which is a lot of Fahrenheits lower than it takes, and which also freezes toes, noses, fingers and any other items left lying around at dawn on the Saturday morning this takes place.

This is the Saturday that Lick Brook falls gets "assaulted" by Phys. Ed. instructor Mark Spitzer and his class called "Icecraft." Spitzer is the "sherpa-in-residence" at Cornell and he can scramble up this giant Lick Brook popsicle quicker than you can say, "Sir Edmund Hillery." The class of "icecrafters" will earn some Phys. Ed. credits for

this and they warm up by stomping around on their crampons and watching Spitzer monkey up the falls and then rappel down. There's all kinds of yelling like, "ROPE," or "ICE" which means one or the other is coming down and you had better be wearing your helmet.

Icecrafting is safe enough if you know the rules. Every student is roped from above and a "fall" is never more than a few inches at most. The ice axe and the crampons give amazing abilities to students who have already had some basic mountaineering courses, but "moms" would feel a bit queasy seeing Junior walking up a frozen waterfall. The lower 60 footer of the Lick falls leads up to a hundred and fifty footer just above. Guess who is going to walk up it next week?



Mark Spitzer '81, architecture, shows how ice climbing is done.

James Martin '81, agriculture, Steve Kamm '80, engineering, Robert Bedichek '81, arts, and Nate Whetten '80, engineering, take on the challenge of climbing frozen Lick Brook Falls.

Symposium: Ethics in Professions

Continued from Page 1

defend the autonomy and integrity of the students, being very careful to recognize the fine dividing line between careful and critical and candid evaluation of competing alternatives and the pushing of (one's) own particular viewpoint over and against those of others."

Earlier he had pointed out some of the difficulties faculty members encounter in dealing with values judgments.

Rhodes said that he believes that most faculty members adopt the position "that we should encourage students to explore and establish value systems of their own... (and) do all we can to help students clarify their own particular positions in terms of their role in the world."

However, he was quick to point out that "in practice, we are so puzzled how to achieve this, we are so busy with so many things, that most of us fall into...value neutrality." He explained value neutrality as a position that "simply assumes that values may be important, but it's not the business of the university to do anything about them. It's somebody else's responsibility — the family, the home, the church."

Earlier, Rhodes had noted that when freshmen enter college, most of them have indicated in studies that their reason for attending college is "their desire to develop a coherent, personal philosophy of life."

After four years, however, the relative impact of universities on students is "slight in terms of value transformation... people come in and go out relatively little influenced by the value context of the university in which they've spent four years," Rhodes said, citing studies done over the last 20 years.

"Most of the questions I've raised are controversial," Rhodes said. He then closed his address with a number of "questions we have to confront together." Among them were:

"Is the university an institution committed to any kind of values held in common?...What is the prevailing value view on the campus on the part of faculty and students?...If the university should be involved more actively in value elucidation, how should we go about it?"

"If we do that, how do we protect the integrity of the student, the integrity of the discipline, the integrity of the faculty member, and the integrity of the institution? Because those four integrities are themselves values and if we destroy those values, we have destroyed the one hope we have for any kind of meaningful future."

Kahn was the first "commentator" and he made his position clear quickly: "It is our job — and the job of the university — to exemplify, rather than to preach about, moral values in our teaching."

He then listed, "the implicit values of the university" which, he said, were very close to what Rhodes had listed:

Intellectual and aesthetic honesty, self awareness, a constant determination to reexamine conclusions and motives, the habit of relying on explanation and persuasion rather than the assertion of authority, the habit of looking at everything we say or do as though it were being said or listened to by an able professional rival, the pursuit of clarity, lucidity and the

avoidance of obfuscation, and respect for and attention to the opinions of others.

Kahn said the professor who exemplifies moral values has less need to talk about them and can say to students, "emulate me in the style and quality of our discourse."

Among the dozen areas Younger listed as not providing proper ethical examples in professional schools were the admission of students who don't meet objective standards, use of students for research which has no real value to student or teacher, poor teaching of the use of language and libraries, faculty participation in outside activities that often interfered with teaching, and misguided attempts to satisfy affirmative action requirements in appointments.

On the latter point, Younger praised affirmative action goals, but criticized institutions for an unnecessary "rush to compliance."

She said the university's main foe is "government pressure to democratize the professions by letting everyone in" and that the university "must stand without compromise" on two points: that all who are qualified for the professions must get the best training and that not everyone is qualified to be a professional, specifically, a doctor or lawyer.

Williams, an oft-heard critic on many subjects, may have surprised his audience by stating, "I agree with Frank Rhodes in his speech and I don't expect to offer any alternatives."

He observed that we are not really living in times that are substantially different or more pressure-filled than those of the past, though every age likes to think it is. Therefore, Williams said, we don't need to change the traditional ethical stance.

Professors "owe" students an overview of how they integrate and relate their fields of study to ethical systems they should build, according to Williams.

He called for the one goal of the university to be 100 percent honesty. "That's what we're here for," he said. Williams urged the faculty to set an example of honesty in its total life and that students, like faculty who are dishonest should be dismissed.

Williams also asked for honesty from the university administration. "Tell everyone the truth, even if it is unpleasant," he said.

Ethics and Environment

Not every environmentally degrading activity should be stopped, according to Paul Eberts, associate professor of rural sociology. Instead, he said, society must determine the acceptable level of degradation and the costs of restoration.

He pointed out that industrialization, which degrades the environment, has been responsible for improving the quality of life throughout the world. Researchers should carefully monitor technological activities that could degrade the environment, he said, and those who introduce the technology should be responsible for the cost of clean-up.

Ernest F. Roberts, the Edwin H. Woodruff Professor of Law, predicted a time of belt-tightening for the middle class in America and questioned the ability of Americans to maintain environmental ethics in face of it.

He urged environmentalists to "trade their expensive hiking shoes for intellectual tennis

shoes" to avoid becoming the scapegoats for everything that goes wrong in the economy.

David Pimentel, professor of entomology, ecology and systematics, questioned the judgment of the public in determining the country's environmental ethics. Given the choice between birds and insects, he said, most people would say that birds are "good" and insects are "bad." Humans could survive without birds, but not without insects, he stressed.

He also pointed out that politicians were slow to react to the scientific evidence against the use of DDT and other persistent pesticides until high pesticide residues in canned salmon and mackerel threatened severe economic consequences.

The public, he said, is too far removed from the environment to foresee the results of its actions. By contrast early hunting and gathering societies were relatively good biologists because their survival depended on it, he said.

The session moderator was Richard Baer, associate professor of natural resources.

Ethics and Biology

The ethical turmoil surrounding biology is a measure of its social significance, according to David Greenwood, associate professor of anthropology. But margarine commercials to the contrary, tampering with mother nature has been a hallmark of human nature since primitive peoples started using tools, he said.

Our current confusion about the ethics of such things as genetic manipulation and pollution is a result of the scale and complexity of our intervention and our attempts to find an ethical system that will allow us to come to grips with the changing situation," he said.

The scientist's freedom of inquiry is not a basic right, but a contract made with the public, according to Dorothy Nelkin, professor of city and regional planning and a member of the Program on Science, Technology and Society.

The current controversy about recombinant DNA research, she said, reflects the public's lack of faith in authority to control research rather than a confusion of ethics. The critics of such research don't dispute its possible benefits, but they want the research subject to the same democratic processes that determine other actions that affect society, she said.

Stuart M. Brown, professor of philosophy and associate director of STS, highlighted those aspects of biomedical science over which individuals are demanding more control — abortion, the option to refuse therapy, the ethics of death and dying. We are fast approaching the limits of what medicine and social institutions can do for the individual, he said, and these limits can be exceeded only through self-help and individual initiative.

Larry Palmer, associate professor of law, discussed the ethics of human experimentation, especially using children as subjects in biomedical research.

Palmer said that while the necessity of performing experiments on children is recognized, there is a reluctance to allow the researcher alone to decide on the kind of experiments to perform. Instead a broadly based committee usually makes the decision. Parental consent is no

longer sufficient to allow a child to participate, reflecting a concern that the family is not a strong enough unit to settle ethical questions, Palmer added.

The result, he said, has been legal intervention, but the law has not been able to build adequate social ethics to take the place of other institutions.

The question and answer session, moderated by Richard O'Brien, director of Biological Sciences, raised questions about the possible dangers of industry involvement in recombinant DNA research and the difficulties of assessing the potential risks and benefits.

Ethics and Marketplace

In the panel on Ethics and the Marketplace, H. Justin Davidson, dean of the Graduate School of Business and Public Administration, said that although companies must improve ethical practices, there is much going on today that is encouraging. But he stressed that companies "should disdain too much ethical responsibility, because it removes ethical decisions from society," such as in the case of Laetrile manufacturing where "no one but the user is affected."

James D. Stocker Jr., Cornell '51, vice president and international group executive for Scott Paper Company, spoke on ethics in the changing world. He said industry should be self-regulating and talked about Scott's reevaluation of its ethical standard after the Lockheed scandal. He pointed out that Scott Paper company "had no loss of permanent or regular business" because of doing business by a higher standard in countries where bribes are a business way of life.

William Foote Whyte, professor of industrial and labor relations, spoke about the effects of business reorganization. He feels that businesses have an obligation to employees and cited several cases where, when a plant was closed down, employees were able to purchase it and make it profitable, thereby protecting their jobs and ultimately the community. Whyte said that companies should be obliged to help employees purchase a plant that is going to be closed down and suggested several possible terms of legislation that would ensure protection for employees in such a case.

Ethics and Public Life

In the panel on Ethics and Public Life, County Judge Betty Friedlander spoke of the enormous power judges have in the American system and said it is difficult to understand why there is no specific training required for judges, beyond the training required for lawyers. She said she would support further training.

Rose K. Goldsen, sociology professor, renewed her attack on television, stating that it is a "form of thought control that works very much like hypnosis," and that television viewers are TV's product: "That's what the industry sells" to advertisers.

CAB Chairman Kahn, who is on leave as the Julius Thorne Professor of Economics at Cornell, chairman of the panel, has previously said publicly that his goal in his government post is to work himself out of a job. But, he said, we can't take refuge in the simple answer that government is bad. "For some things we need government."

G. Robert Blakey, professor of law who is chief counsel for the

U.S. House of Representatives committee on assassinations, posed the question of whether false speech in and of itself is objectionable. He mentioned Father Roncalli who had issued false birth certificates for Jewish children in World War II to save them from Nazi extermination and John Mitchell who spoke falsely in support of the election of Richard Nixon. "Can we distinguish," he asked, between what the two did?

Ethics and University Research

The real ethical challenge for university researchers lies in the amount of moral restraint exercised when the pursuit of knowledge may be dangerous, according to Eric Cassell, clinical professor of public health at Cornell Medical College. In a panel discussion on "Ethics and University Research," Cassell said that scientists must be responsible for any damage they may do. "A major problem will be deciding where not to go (in research) and when to stop...DNA research stopped when the general public — not the scientists — became afraid," he said.

Joan R. Egner, professor of education and associate director of research in the College of Agriculture and Life Sciences, spoke of the protections assured human subjects who are participants in scientific experiments or in research projects. She outlined the goals of the University Committee on Human Subjects which evaluated and certifies research proposals, but cautioned that "any negative consequences of research must be assessed by the investigator and then communicated to the subject. Otherwise, we are shirking our ethical responsibility."

The final panelist, Urie Bronfenbrenner, professor of human development and psychology, criticized social scientists for perpetuating "fuzzy theories that remain untested...and impair human capacities. When these theoretical models are applied to study human behavior, such as delinquency, violence in schools, or the problems of single parents, the subjects are made to feel inadequate and dependent," he said.

"We as scientists must challenge our prevailing theoretical conceptions. We're not doing it...and this defies our ethical obligations," he said. He proposed a theoretical model in which subjects in experiments play a more active role. "We should learn to use their knowledge — we have the questions, they have the answers."

Ethics and the Professions

The panel on Ethics and the Professions touched not only on the problem of teaching ethical conduct but also the problems of determining exactly what is ethical in some cases. Panelist Jennie Farley, assistant professor of industrial and labor relations, said she did not feel the same certainty in what constituted ethical conduct in some instances, as other speakers had during the day. This sense of uncertainty was echoed in the various ethical dilemmas outlined by Dr. Allyn B. Ley, director of Cornell University Health Services. He discussed such issues as abortion and the "right to die." He cited a colleague who had administered some 20,000 abortions and then withdrew

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Family Care Home Seeks Volunteers

By Mary McGinnis
Coordinator, CIVITAS

Evergreen is a student-run family care home designed to provide mentally disabled adults between the ages of 17 and 30 with an alternative to institutionalization on the one hand or the stresses of independent living on the other. It is designed to offer a constructive living situation run along democratic lines which will prepare its client residents for eventual adjustment to an independent living situation in the wider community.

Some clients are former patients from Willard Psychiatric Center and other institutions, while others are referred from mental health clinics and private practicing clinicians. All are required to be either working, enrolled in school or involved in a structured community activity on a permanent daily basis for a minimum of twenty hours per week. Student residents do not serve as primary therapeutic agents but rather as friends or family providing a supportive atmosphere. Professional consultants and advisors work closely with the residents.

The Friends of Evergreen Program seeks the support of students and others in the community who wish to become involved in Evergreen on a volunteer, part-time basis. Friends are encouraged to spend time at the residence regularly and to develop friendships with individual clients. Through the Friends Program it is hoped that a pool of potential student residents will be formed so that the vacancies which occur as students' commitments end can be filled smoothly by others familiar with the program and the other residents. Evergreen's current residents are sponsoring an open house on Sunday, Feb. 19, from 2 to 8 p.m. The address is 311 W. Buffalo St., across from Central School. All are welcome.

Tompkins County's Economic Opportunity Corporation Outreach Program is designed to help needy low-income people in the rural areas of the county. Outreach workers are assigned on a one-to-one basis to help clients learn about and utilize medical and social services and to provide general assistance in solving pressing problems. Mary Louise Fish, coordinator of the program, commented in a recent Ithaca Journal article: "The majority of the people we are dealing with do not have transportation... (or) telephones... We have quite a few elderly clients, but we also have a lot of young mothers with young children who are isolated...". Referrals come from public health nurses, the social agencies, friends, neighbors and ministers.

Funding for the EOC Outreach Program is assured to the end of March of this year only. In an effort to increase public awareness, understanding and support for the program, a publicity campaign and petition circulation is currently being carried on. Volunteers are needed to assist this effort in such activities as — writing radio and TV spots; — creating a brochure; — manning information booths at Cornell, IC, TC3, Pyramid Mall and the Ithaca Commons; — making public presentations to service organizations, clubs, business associations, and — mobilizing community resources.

If you would like to help, come to CIVITAS, 125 Anabel Taylor, or call 256-7513, and we will put you in touch.

OTHER CURRENT CALLS FOR HELP

SUPERVISED ITHACA RESIDENCE FOR TEENAGERS: Tutor needed to help highly-motivated student with geometry. Could be mornings or evenings between 7-10 p.m., any weekday or anytime on weekends. Also needed is a knitting teacher to work with two girls and staff member who wish to learn the art. Weekday evenings 7-10 p.m. or weekends anytime.

MAINLINE seeks volunteers to help in design and operation of newly conceived youth program. Training session is planned for Saturday, Feb. 18, from 10-12 noon. Program will run late afternoons and early evenings.

LOCAL SERVICE FOR FAMILIES AND CHILDREN: Volunteer typist and general office worker requested to assist in downtown office from 9 a.m. through 12 noon, Tuesdays and/or Thursdays.

NURSERY SCHOOL VERY CLOSE TO CORNELL CAMPUS: Helper to assist Monday mornings from 8:45 to 11:45 a.m. Background in education and experience with pre-school children would be useful.

To respond, please call CIVITAS, 256-7513, Monday through Friday, 10 a.m. to 2 p.m., or drop in Room 125, Anabel Taylor Hall, or call the Voluntary Action Center, 272-9411, Monday through Saturday, 9 a.m. to 1 p.m.

Ethics in Student Life Discussed

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from the practice because "he had misgivings."

Walter R. Lynn, director of the School of Civil and Environmental Engineering, said the problem of ethical practices among engineers is increased because they, as employees, often are applying their knowledge to accomplish a goal they have not necessarily established. He said engineering faculty seem to be more actively concerned about ethical issues than most engineers, probably because they have a greater amount of autonomy than most engineers. He pointed out that all professionals use "esoteric" knowledge for public service of some sort. "Their role is to exercise judgement, make a decision, and when you make judgements you make mistakes."

New York City attorney Milton S. Gould, an adjunct professor in the Law School, stressed the idea that "lay people" should understand that lawyers are as subject to human frailty as anyone and are in "richer opportunity for fatal folly." He said that although legal ethics are taught they don't seem to do much good. In response to a question from the audience on how to get more effective ethical training

into education Gould said, "there is no hope of teaching it. It has to be there. The task is to try to evoke it, try to sharpen it and warn against violations."

The panel was moderated by Judith T. Younger, professor of law and deputy dean of the Law School.

Ethics and Foreign Policy

In a panel on "Ethics and Foreign Policy," U.S. Rep. and Cornell alumnus, Barber Conable, spoke of the resulting problems when Congress attaches conditions to U.S. foreign aid or restricts international trade because of ethical considerations. Conable said the United States has not had normal trade relations with the Soviet Union since 1972, a situation he found regrettable since, he said, "trade is one of the few neutral avenues of communication we have with the Soviet Union."

James Turner, associate professor of Afro-American studies and director of the African Studies and Research Center at Cornell, spoke of the coalescence of ethical and political considerations and of a new "international economic order." "We're beginning to realize that our own economic

Albany Liaison Appointed

Jerry E. Passer of Scotia has been appointed executive staff assistant in the Office of Vice President for Land Grant Affairs at Cornell University.

Passer, who for the past seven years has been associated with

the New York State Department of Environmental Conservation, will serve as an Albany-based liaison between Cornell, the State University of New York, other state offices and the Legislature.

Among his duties will be monitoring of legislation, admin-

istrative regulations, budgets and other matters that affect Cornell and assisting in the preparation of a detailed written statement of the relationships of Cornell with the state and its agencies.

Cornell is New York State's land grant university and administrators for the state the Colleges of Agriculture and Life Sciences, Human Ecology, Industrial and Labor Relations and Veterinary Medicine.

Passer served most recently as director of the State Department for Environmental Conservation's Five Rivers Environmental Education Center in Delmar. Previously he had been assistant director of conservation education at DEC, coordinating education programs for centers and camps and representing the department's position at legislative hearings, conventions and with other state agencies.

He holds the B.S. Ed. degree from SUNY Oswego and the M.S. in biology and science education from Syracuse University, and has taken additional courses in his field at Cornell and the University of New Mexico.

He is president of the New York State Outdoor Education Association and served as chairman of the group's 1976 conference. He also has been adviser to the education committee of the New York State Conservation Council.

Passer's temporary headquarters are at 1215 Western Ave., Albany, N.Y. 12210. The telephone number is (518) 438-6861.

Elledge Appointed To Literature Chair

Scott B. Elledge, professor of English at Cornell University since 1962, has been appointed Goldwin Smith Professor of English Literature in Cornell's Col-

lege of Arts and Sciences. He is filling one of 11 Goldwin Smith chairs.

Elledge is an authority on 17th and 18th century English literature. He is the editor of "The Continental Model: Selected French Critical Essays of the Seventeenth Century" and "Eighteenth Century Critical Essays," in two volumes, the standard work in its field.

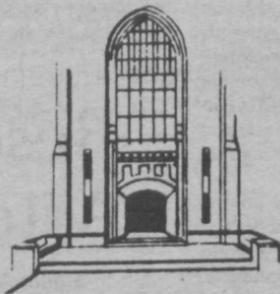
He has also edited "Paradise Lost" in the Norton Critical Editions series. At present he is finishing a biography of E.B. White, American essayist and author of "Charlotte's Web," who was graduated from Cornell in 1921.

From 1941 to 1968, Elledge was an active member of the College Entrance Examination Board. He was a member of the panel that designed and put in place the Advanced Placement Program of CEEB, and for several years he served as chairman of the committee on CEEB achievement tests in composition and literature.

Students Are Essay Winners

Two Cornell University engineering students took first and second place in the annual essay contest sponsored by the Alliance for Engineering in Medicine and Biology.

Ricky Alan Marshall, a senior in agricultural engineering, won first prize, worth \$100, for a paper titled "Analysis of Electrical Resistance Probes for Detection of Estrus in Bovine." Second prize, worth \$75, went to Steven Minh Dinh, a master's degree candidate in chemical engineering. He wrote on "A New Method to Measure the Diffusion Permeability of Hollow Fiber Membranes."



WILLARD STRAIGHT HALL

NEH Announces New Youth Projects Program

The National Endowment for the Humanities has announced the establishment of a major experimental program — NEH Youth Projects. These projects are designed to "encourage organizations and institutions to provide exciting, new out-of-classroom opportunities for young people to develop interest, knowledge and skills in the humanities. Eligible groups include universities. Eligible programs include the development of resource materials, as well as participatory activities. More information may be obtained from the Office of Academic Funding.

well-being has to do with other parts of the world," he said. Turner also predicted that in the next decade Africa will emerge as a centerplace for U.S. foreign policy concerns.

Altruism and ethical concerns have played a major role in U.S. foreign policy, according to George H. Quester, chairman of the Department of Government at Cornell. "We have based our altruistic motives on two assumptions," Quester explained, "the first is that the American model of political democracy would be conducive to the happiness of others and the second is that the economic spinoffs, such as capitalism and free trade, would also be beneficial."

However, when political democracy is rejected, as it was in Vietnam, these assumptions have come under heavy doubt. "It was upsetting to see the Vietnamese reject the American model of democracy because they didn't find the economic spinoffs as beneficial as we did," he said. But Quester added he was encouraged by recent developments in India where free elections have taken place.

Ethics and Student Life

The panel on Ethics and Student Life recited an extensive list

of ethical abuses by faculty, students and the University and outlined a variety of possible solutions. "Cheating bothers me most," said June Fessenden-Raden, vice provost. She cited sabotage of student research by peers and the purchase of pre-written term papers as particularly unethical practices among students. But she also called upon the faculty to become exemplary role models.

Isaac Kramnick, professor of government, said students have the right to be treated as human beings and mature adults. He outlined a student bill of rights stating, among other things, that students have a right to be taught by faculty and not by teaching assistants, not to be laughed at or ridiculed, not to be sexually exploited and to see faculty in their offices.

Referring to the disruption of speakers on campus, Alvin H. Bernstein, associate professor of history, called for a University community that permits the expression of all points of view regardless of how odious or "downright evil" they may be. "To create and sustain a society," he said, "in which a Socrates, a Copernicus, a Galileo, a Marx, or a Darwin can express his ideas without

persecution means creating and sustaining a society in which a Shockley, or a Nazi, or even a Ky, may speak as well. There is no acceptable moral alternative for men and women who would be free."

Moderator L. Pearce Williams suggested that those who are opposed to the South African government, which he called a tyranny, should, as he said he is willing to do: "Put your money where your mouth is." In order to make up for the inevitable millions of dollars the University would lose by withdrawing its investments with firms doing business with and in South Africa, Williams said faculty should place one half of their upcoming raises in perpetuity into a Steven Biko fund. Also students should pay \$100 a year into the fund, he said, adding, "there is no free lunch."

Jeffrey Schwartz, '80, discussed the dilemma of the student as a student and as also an activist in the community, not only the University but the world community. He said Cornell students need a "legitimate" forum on campus in which to give meaning to the "spirit of Cornell and to play a greater role in the affairs of the world."

Bulletin of the Faculty

Minutes of the FCR Meeting, Feb. 8, Ives Hall 110

The monthly meeting of the FCR was called to order by Speaker Stein. In the absence of a quorum, no minutes could be approved. Even late in the meeting, attendance was four short of a quorum, so no vote could be taken had it been tried. (So why must a secretary keep any record in such cases?)

Dean Saunders made a brief report. He announced receipt of a couple of volumes from the American Council of Education and the State Education Department, listing courses offered by non-academic institutions, courses for which credit from academic institutions is frequently requested by students in those institutions who have taken them. We are going to see more of this before we see less. No recommendation is made in the volumes as to whether credit shall be given; the guides simply list and describe the courses. Some are known to be excellent; others, no. The volumes may be borrowed from the dean's office.

He announced a significant breakthrough in his three and one half years in office: two Faculty committees have been eliminated. The Calendar and Scheduling Committee has been replaced by Academic Records and Instruction. (If the calendar comes in for overhaul, an ad hoc committee takes over.) The Committee on Independent Courses also is no more. Neither one of them has filed a report in two years, nor have they even met in recent time. Hence, no more. The dean was happy in their demise.

He indicated that the next FCR meeting would take up changes in FCR committee structure. Suggestions would be welcome. This is an oft cited weakness in the Faculty operations, but nothing will happen if meeting attendance is not better than has been seen of late.

Lastly, he commented on the inaccurate editorial seen in a recent *Sun* on Trustee tenure review and the story on a related press conference. Background: Trustees do participate in the tenure voting process. Last fall, in meeting, one Trustee raised questions about the process and about one individual being presented. A brief recess was called and informal discussion pursued. The appointment was then unanimously formally approved, but the Trustee Academic Affairs Committee wondered just what was the role of the Trustees in the process. In a report at a subsequent meeting, they were told, but not necessarily reassured, by vice-president Cooke, that they surely had the right to vote but not the right to vote NO. The whole issue was not as serious as the printed words would have one believe. Nevertheless, the Committee on Academic Freedom and Responsibility is at work on a stance and will present a resolution at the next FCR meeting.

The speaker then introduced President Rhodes for his remarks. While noting Cornell's achievements of the past, the president wished to speak of the future. Society in general and higher education in particular seems to him becalmed. We must confront the issues, debate them reasonably and try to make decisions for the future. Each part of the University has a role: administration to show the choices available and to bring analysis to bear; faculty to establish and justify the priorities and help in the decisions; non-academics, students and alumni in their support. He noted that, in spite of Cornell's motto, we can't be all things to all people; there lies the path to mediocrity. Choices have been made in our 113 years: what we will offer, who we think is qualified for admission.

In a series of somber slide diagrams, he discussed the Cornell position as he sees it. His first slide listed eight large problems faced by higher education: the certain decline in college age population in the late eighties; inflation; the fixed expenses of institutions; the priorities that the public selects; government regulations; the lag in private support of universities; the alternative of public institutions; the presence of obsolete facilities.

In the Ithaca endowed colleges, 38 percent of our revenues come from tuition, 24 percent from government grants and contracts, 14 percent from sales and services (i.e., housing and dining), and 9 percent from our investments. (The sum does not add to 100 percent—ignore the rest.) Over a ten year period the percentage of our revenues coming from investments has held roughly steady, but tuition and fees percentage has gone up an unhealthy eight points. More of the burden is thus falling on students. He compared revenue sources in some of the Ivy League schools

Cornell, Harvard, Yale, Princeton, Columbia and Chicago.

We derive a much higher fraction of our revenue from tuition than the others — 45 percent as compared to the others' percentages in the 20 to 30 percent range. The reason was clear from his slide: our endowment is less and our income from government contracts is less. Endowment at Harvard amounts to \$84,000 per student, while ours is but \$20,000.

He noted the effective decline nationwide in Faculty real salaries, as he illustrated on his own. Further, he showed the marked change in our ranks: Whereas the numbers of full and associate professors here have gone up a bit in five years, the number of assistant professors has gone down by 90 in the same time, while the number of non-voting Faculty has increased by 120! He spoke of our level of student financial aid; in spite of our revenues from tuition roughly doubling in ten years, our percentage of financial aid is the same today as it was a decade ago.

Another slide illustrated what all know: plant costs are way up. In five years our utilities have gone up 150 percent in spite of conservation measures, and maintenance costs are up a whopping 267 percent, largely because of the program initiated last year to catch up on what had been deferred.

The price paid for what stability we have enjoyed, has been a loss in expendable capital; we have in four years lost from that about \$19 million. In five years, the market value of our holdings has declined seriously; in constant dollars, the endowment is down 21 percent, while other funds functioning as endowment have been diminished in constant dollars by 45 percent. We can't continue on this road.

The conclusions from all this are that more reliance is now being placed on tuition, that there has been decline in other revenue sources, that we have eroded our spendable capital, and, in spite of sacrifices and progress since 1975, we still face continued economic vulnerability.

Turning to the 1978-9 budget, he stated the policy assumptions that went into it. The academic program is central — the absolute foundation for the other priorities; the Faculty is basis for that program; interim actions have to be taken without regard to the long term view — time has not permitted otherwise; and we must be willing to take calculated risks toward achieving goals. The priorities resulting from these assumptions are: Faculty salaries must increase; we must try to maintain the affordability of a Cornell education, to maintain the physical plant, to support some academic program change, to increase gifts in strengthening the development programs; and we must reduce the drain on our capital resources.

As to the future, he made several points. We have to develop some operating assumptions. Some are external: what kind of a world is shaping up economically, demographically, socially and politically? What programs and kinds of training are needed? Other assumptions are internal: what patterns of tenure, of retirement, should we establish? How large the student body? We need a set of real practical campus wide University goals; where are we going? (Not simply the usual "pursuit of academic excellence.") We need testable and obtainable goals set by each college, department and unit. We need a set of procedures to implement those goals — reviews, feedback, guidelines. Can we be preeminent in everything? Hardly. How do we choose where we will put our strengths? Do we build on strong departments or do we pick up those less strong and strengthen them? What strategies?

Our teaching is in the undergraduate, the graduate and the professional areas. We need support in each. Of late, we haven't paid too much attention to the undergraduate side: in 1955 we admitted 2,000 freshmen and a decade later it was 2,700; at the same time the Faculty increased from 800 to 1,500 and graduate students went from 1,450 to 3,500. This surely suggests that most of the expertise went into graduate programs. How do we harness that strength to enhance the undergraduate programs?

We need teaching assistants; but should we urge attainment of the Ph.D. on those assistants in fields with no outside jobs? How to balance all this? Cornell is eminent in research. How do we continue to nurture the Faculty in it? What about salary recovery, overhead, indirect costs, maintenance of centralized equipment?

How do we maintain flexibility to initiate new programs such as we did in Biological Sciences, in Law, in S.T.S.? How do we continue to make Cornell THE open University in the best sense, open to members of all groups, encouraging affirmative action, radiating programs out beyond the campus confines?

Ten years ago, as Faculty members, we were loathe to be interrupted in our work to worry about such matters. But no administration can do it all alone. We need a new partnership now in facing the hard decisions ahead. The president faces the future with hope.

In a question period, Professor Wilkins inquired as to what is meant by a "testable" goal in the area of academic excellence. The president indicated that if we agree that excellence is the goal, how is that to be translated into operations. What principles are used at all levels in making choices where options in excellence and various opinions exist. That is what is meant — translating philosophies of excellence into operating principles. The professor did not see the testable aspect there and tried again: what kind of superstructure is envisioned in testing? The president thought that one took a decision and looked at its effect in a few years; had it done what it was hoped it would do? He was not about to count journal articles, citations, etc. in the more difficult testing of research excellence.

Professor Gibian asked what was implied by "all of us working together?" The president indicated that his door was open, our letters would be responded to; advice is valued if not always adopted. He agreed that a mechanism should be available to get Faculty to address long term problems and consult with him on them. His talk today was but a step in that direction.

Professor Harris directed questions concerning graduate vs. undergraduate situations here and elsewhere. Vice presidents Cooke and Lawrence responded. Compared to Harvard and Yale, our Ph.D. program is larger, but in terms of graduate student numbers, they are ahead, the difference being in their larger professional degree programs. The cost to graduates and to undergraduates is the same but the weight of the cost matter is in the higher fellowship support in the graduate areas at the other institutions.

Professor Silverman, puzzled about the distribution of resources here and at Harvard, noted that while the tuitions at the two places were essentially the same, 45 percent of our income is in that source as compared to the 25 percent at Harvard. That indicates students aren't suffering; someone else is, since we aren't spending money on other things. It was agreed that we run an operation with very little fat to it; Harvard spends more in practically every activity, everything from student support services to faculty support services. Professor Potter remarked that in the statutory colleges, the assumptions for the long term are external, since the state is so overbearing. Things will be quite different on the upper campus. This was agreed; endowed colleges were taken merely as illustration. The president felt that signs of state support were somewhat en-

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couraging; talks with SUNY have also been fruitful.

With no further questions, the speaker called on Dean Saunders for a report from Review and Procedures relative to changes in the Operation Procedures of the University Faculty (OPUF). The Dean reported that although it is not FCR responsibility to amend the procedures, the Executive Committee thought it would be worth while to air changes proposed for them. The changes are in four categories: excision of references to the Senate; housekeeping details as to dates, etc.; inclusion of several ex-officio FCR members as full voting members (these include the president, four Faculty Trustees, the dean and the secretary); and a reduction in the number of members needed at a full Faculty meeting to establish a quorum (such meetings these days rarely reach the present quorum of 149). His suggestion, however, that the changes be presented to the body in detail was discouraged.

Professor Wilkins, "riding his favorite horse," had a question concerning the demands on Faculty who serve in the body and on committees. He has found it very difficult to interest as many as 20 percent of the Faculty in such chores; yet about 6 percent of the total Faculty is involved in this body alone. The proposed changes do not alter the ratio of non-tenured to tenured representation — one in four. Why not go to one in five or six and reduce the burden on non-tenured people? He also feels that if a non-tenured representative earns tenure midway through her/his term, (s)he doesn't become a monster over night and (s)he should be allowed to finish out her/his tour of duty. The dean responded by saying that the objection of non-tenured Faculty is not so much to service in the FCR as to service on its committees, and so that provision was not altered.

The speaker, leaving to catch a plane, relinquished the chair to Professor Battistella, who recognized Professor deBoer, chairman of the Executive Committee. Professor deBoer moved adoption of a resolution favoring approval of the proposed changes by the full Faculty at next week's meeting. It was seconded. Professor Williams strongly objected. The hour was late, he said, the changes were here and there substantial, we may be creating a nightmare; it merits lengthy discussion.

The chair, indicating that there was no quorum to act on the motion anyway, suggested that it be tabled and then adjourned the meeting.

P.L. Hartman, Secretary

Researchers Study Arteriosclerosis

Standing between every mammal and the harmful agents in the outside world is an army of molecules, cells and organs that fight off foreign invaders.

Known as the immune system, the body's army is normally a strong, well disciplined group, but occasionally it is weakened by an inborn error or disease. Sometimes it produces an abnormal number of fighting cells that rage out of control. And sometimes there is out-and-out mutiny, with the immune system attacking its own body as the enemy.

Ronald Schultz, associate professor of immunology at the New York State College of Veterinary Medicine, recently outlined the most common disorders of the immune system and methods for detecting them to some 400 small animal veterinarians at the symposium in Cherry Hill, N.J., sponsored by the American Animal Hospital Association.

Immunologic disorders in dogs and cats are just beginning to be diagnosed, and veterinarians are finding that they are much more common than once believed, Schultz said.

Before 1974, for example, fewer than 10 cases of rheumatoid arthritis, a disease in which the immune system attacks the body's own tissues, especially in the joints, had been reported in dogs. Once diagnostic techniques for the disease were developed, several times that many cases were discovered in a single year.

Schultz estimated that

rheumatoid arthritis may affect as many as one-half of one percent of the nation's dogs—potentially two and a half million cases. It also afflicts an estimated 40 million persons in the U.S.

Diagnoses of immunologic disorders usually require laboratory facilities that rival those of major human medical centers in complexity, Schultz said.

Since 1972, he added, the college's Baker Institute for Animal Health has been able to provide more than a dozen sophisticated tests for immunologic disorders to veterinarians throughout the country.

Researchers at the college are now working to develop diagnostic kits that could be used by practicing veterinarians and investigating the causes of various immunologic disorders in an attempt to make treatment more effective.

"Our work at the Baker Institute is for dogs, not on dogs. Our aim is to improve the health of the animals," Schultz stressed.

Since many immunologic disorders, including rheumatoid arthritis, systemic lupus erythematosus, thyroiditis, myasthenia gravis and immunodeficiencies affect both dogs and humans, investigators also hope that their work may provide models for the study and treatment of the diseases in humans.

Forest Clear-Cutting Debated

Clear-cutting. Foresters call it sound management of a renewable resource. Environmentalists call it ecological sabotage—sacrificing the long-term health of the forest for the immediate gain of more cheap timber.

Is there a clear-cut answer to the clear-cut dilemma? Yes, says Gene E. Likens, Cornell University professor of ecology and systematics, clear-cutting is an acceptable practice for harvesting timber in the northeastern U.S.—if it is done carefully and infrequently enough to allow the ecosystem to recover the nutrients and organic matter lost after harvest.

Likens, F. Herbert Bormann of Yale University, Robert S. Pierce of the U.S. Forest Service and William A. Reinert of Dartmouth College, have documented the changes in nutrients and organic materials released from a forested ecosystem when all the trees are cut and have recorded the healing process at the Hubbard Brook Experimental Forest, a facility of the U.S. Forest Service in the White Mountains of New Hampshire, and on similar forests clear-cut by commercial loggers. Their findings appear in a recent (Feb. 3) issue of *Science*, the journal of the American Association for the Advancement of Science.

Likens and his colleagues found that for several growing seasons after cutting, forest soil

is "irrigated" by the increased moisture in the exposed soil and "fertilized" by increased concentrations of dissolved nutrients in the drainage waters.

This burst of food and water allows the clear-cut area to re-vegetate rapidly, but Likens and his colleagues found it draws heavily on the energy and nutrients stored over many years in the dead organic matter on the forest floor.

Ecological theory suggests that given enough time, the nutrients lost through cutting and removal of forest products should be replaced by natural processes. The question for the commercial forester or manager is whether or not the nutrients are replaced by the time of the next cutting.

"The natural system has a remarkable ability to repair itself," Likens said, "but it needs time. If nutrients and organic matter are not replaced before the next cutting, the environmental quality of the site will deteriorate."

Replacing the nitrogen lost after clear-cutting could take as long as 100 years, if the only source of new nitrogen were from precipitation, or as little as 20 years, if nitrogen accumulated at the rate observed during one stage in the experimental forest at Hubbard Brook, the researchers found.

The researchers pointed out that no one yet knows how the

rates of nitrogen fixation and denitrification might change after clear-cutting, making precise predictions about nitrogen recovery impossible at present.

Calcium and potassium are abundant in the rocks at Hubbard Brook, and losses of these nutrients from a clear-cut site are probably made up by weathering of the rocks, which increases up to three times after clear-cutting, they found.

Another twist in the recovery equation is the effect that "whole-tree harvesting" may have on the ecosystem's ability to replenish its stores of nutrients and organic matter. In areas where whole-trees are harvested, machines shear off trees near ground level and feed them—trunk, branch and leaf—through chipping machines. The technique yields more wood products and removes the aesthetically objectionable "slash" (waste branches) from the forest. But Likens and his colleagues calculate that whole-tree harvesting may also lead to a three-fold increase in nitrogen loss and a two-fold increase in losses for calcium and potassium from the ecosystem.

Organic matter, an important part of the forest ecosystem, will accumulate to a depth equivalent to that at the time of cutting in slightly more than 65 years, the researchers found, and the stores and cycling of nutrients also would be typical of a growing

hardwood forest at that time.

Likens and his colleagues warned that clear-cutting may have impacts on downstream water systems, and these effects must be considered when evaluating whether clear-cutting is an acceptable management technique.

Removal of all the trees from an area can prevent the formation of organic debris dams in streams which check run-off and provide habitat for many aquatic organisms. Or if the slash from a clearcut is dropped in the streams, large dams and flood areas may form.

Once the dangers of clear-cutting are recognized, the researchers believe, harvest can proceed within certain guidelines without doing long-term damage to the ecosystem.

'Canoe Arctic' Talk Set

Alex Hall, naturalist, photographer and the only licensed canoe guide in Canada's Northwest Territories, will speak on "Canoe Arctic" at 7:45 p.m. Monday, Feb. 20, at the Cornell University Laboratory of Ornithology, 159 Sapsucker Woods Road.

The talk is free and open to the public.

Sagan's Lecture Rescheduled

Cornell University astronomer Carl Sagan's lecture on "Biocommunication: From the Origin of Life to Exobiology" has been rescheduled for 8 p.m. Monday, Feb. 20, in Bailey Hall, Cornell.

Originally scheduled for Feb. 6, the lecture was postponed due to bad weather.

Sagan's talk is part of the distinguished lecture series in biocommunication sponsored by Cornell's Section of Neurobiology and Behavior. All lectures in the series are free and open to the public.

'Iolanthe' Ticket Sale Set

Tickets for the Cornell Savoyards production of Gilbert and Sullivan's "Iolanthe" will be on sale starting Feb. 20 at the Willard Straight Hall box office. For reservations, call 256-3430, not the phone number for the Savoyards printed in last week's *Chronicle*. The cost of tickets is \$2.50 for the matinee and \$3.50 for the evening performance.

There will be four performances the weekend of March 3-5 in the Statler Auditorium: three evening shows at 7:15 p.m. on Friday, Saturday and Sunday and a matinee at 1:30 p.m. on Sunday.

Calendar

Continued from Page 12

Central and East Europe." Jindrich Chaloupecky, (read by George Gibian). Johnson Museum.

4:15 p.m. Coalition for the Right to Eat meeting. Anabel Taylor Forum.

4:30 p.m. Renaissance Colloquium Lecture: "Sidney Before Astrophil: The Evolution of 'Certain Sonnets.'" Germaine Warkentin, University of Toronto. A.D. White House Blue Room.

7 p.m. Dungeons and Dragons meeting. Uris G-94.
7:30 p.m. Pentangle II Free Film Series: "The Bitter Tea of General Yen" (Capra, 1933, U.S.); shorts: "Freud Explains His Position Concerning the Cinema" (Valma, 1976, France) and "A Movie" (Conner, 1958, U.S.) Uris Hall Auditorium.

8 p.m. North Campus Union Board presents "Hollywood Squares," with popular Cornell professors playing a version of the TV game. North Campus 1st floor lounge.

8 p.m. Riskey Free Film Series: "Sabotage." Riskey Theatre.

8:15 p.m. *Department of Theatre Arts presents double bill of one-act plays: "The Marriage of Bette and Boo" by Christopher Durang and "The Transfiguration of Benno Blimpie" by Albert Innaurato. Directed by John Greenwood. Lincoln Drummond Studio.

8:15 p.m. Department of Music presents Student Recital: Marilyn Lipton, soprano. Works of Purcell, Mendelssohn, Strauss, Deparc, de Falla. Barnes Auditorium.

8:30 p.m. *Cornell Varsity Wrestling-Drexel. Barton.

9:30 p.m. *Cornell Cinema presents "Cria." Uris Hall Auditorium.

11:30 p.m. *Cornell Cinema presents "Harold and Maude." Statler Auditorium.

Saturday, February 25

12 noon. Heptagonal Trials. Barton.

2 p.m. *Cornell Varsity Swimming-Pennsylvania. Teagle.

3 p.m. - 3 a.m. Mardi Gras: an Intercultural Experience. See Willard Straight transformed into New Orleans featuring music, food, entertainment and fun from New Orleans and the Caribbean. Sponsored by Alkebu-lan Kesho, University Unions Program Board, Willard Straight Board, Willard Straight Dining, Willard Straight.

6 p.m. *Heptagonals. Barton.

7 & 9:15 p.m. *Cornell Cinema presents "Cria." Uris Hall Auditorium.

7 p.m. Cornell Women's Basketball-Hartwick College. Helen Newman.

7 p.m. Dungeons and Dragons meeting. Uris C-94.

8 p.m. *Cornell Cinema presents "Barry Lyndon." Statler Auditorium.

8:15 p.m. Department of Music presents Student Recital: Julie Kedersha, violinist; Wayne Vitale, pianist, and chamber players. Works of Mozart, Webern, Penderecki, Satie, Eshpai, Beethoven. Barnes Auditorium.

11 p.m.-1:30 a.m. Hillel Ice Skating Party (Refreshments). Anabel Taylor Founders Room.

11:30 p.m. *Cornell Cinema presents "Harold and Maude." Statler Auditorium.

1:30 - 3:30 a.m. Hillel Ice Skating Party. Lynah.

Special Seminars

In order to appear in the *Chronicle*, announcements of special seminars must arrive in the *Chronicle* office, 110 Day Hall, by noon of the preceding Friday.

Agriculture and Life Sciences

JUGATAE: "Stream Ecology, with Particular Reference to the Salt River System in Kentucky." Stuart Neff, University of Louisville, Ky., 4 p.m., Monday, Feb. 20, Caldwell 100.

Arts and Sciences

ANTHROPOLOGY: "Ecological Determinism in Sociobiology." Steve Emlen, 4:30 p.m., Monday, Feb. 20, McGraw 165.

CHEMISTRY: "Polymer Dynamics." Marshall Fixman, Yale University, 4:40 p.m., Thursday, Feb. 16, Baker Lab 110.

ORGANIC/INORGANIC CHEMISTRY: "Total Synthesis of Sesquiterpene a-Methylene-a-lactones: Eriolanganin and Eriolanin." Paul Grieco, University of Pittsburgh, 8:15 p.m., Monday, Feb. 20, Baker Lab 119.

PSYCHOLOGY: "Towards a Perceptual Approach to Social Perception." Darren Newton, University of Virginia, 4 p.m., Friday, Feb. 17, Uris Hall 202.

Biological Sciences

BIOCHEMISTRY: "Conformational Aspects of Cfo Labelling in Spinach Chloroplasts." James Ellenson, Harvard University, 12:20 p.m., Monday, Feb. 20, Wing Hall Library.

ECOLOGY AND SYSTEMATICS: "The Effect of Local Population Density on Mating Strategies in Bluehead Wrasse." Robert Warner, University of California, Santa Barbara, 8:30 a.m., Friday, Feb. 16, Stimson G-25.

ECOLOGY AND SYSTEMATICS: "The Coevolution of Behavioral and Life History Characteristics." Robert Warner, 12 noon, Friday, Feb. 16, Langmuir Penthouse.

Graduate Bulletin

Sage Notes from the Graduate School

Now is the time to check into financial aid opportunities for the 1978-79 academic year. Information on fellowships, grants and awards from non-University sources is contained in the Fellowship Notebook, available in the office of your Graduate Faculty Representative and also in the Fellowship Office, 116 Sage Graduate Center.

1978-79 Financial Aid Renewal Applications are now available in the Financial Aid Office, 203 Day Hall. Graduate students seeking aid consideration (loans and/or work-study) for next year should obtain forms and submit completed applications to 203 Day Hall. The application deadline is April 15, but graduate students are strongly encouraged to submit completed forms by March 1.

The Center for International Studies will award research grants in 1977-78 for Cornell graduate students. The deadline for application submission by students is Feb. 24, and notification of awards will be made before March 17 after applications have been reviewed by a faculty committee.

Graduate students with research interests in international and comparative studies may apply for grants of up to \$750. Grants are made for research related travel, technical assistance including computer expenses, and supplies or equipment directly related to research.

Further information and applications are available from the Center for International Studies, 170 Uris Hall, 256-6370.

GENETICS: "DNA Packaging in p22." Bik-Kwoon Tye, 4:30 p.m., Tuesday, Feb. 21, Bradford 108.

NEUROBIOLOGY AND BEHAVIOR: "Bombardier Beetles: Behavior, Chemical Ecology and Evolution." Thomas Eisner, 12:30 p.m., Wednesday, Feb. 22, Langmuir Penthouse.

PLANT PHYSIOLOGY: "Isolation of Soybean Storage Proteins and in vitro Synthesis of Polypeptides from Developing Seeds." K. Barton, 11:15 a.m., Friday, Feb. 17, Plant Science 404.

Centers and Programs

AFRICANA STUDIES AND RESEARCH: "The Neo-Conservative Attack on Affirmative Action and the Crisis in Black Leadership." Hoyt W. Fuller, executive editor, *First World Magazine*, 4:30 p.m., Wednesday, Feb. 22, Goldwin Smith Kaufmann Auditorium.

Centers and Programs

COMPUTER SERVICES: "Computer Analysis of Mass Spectra." F.W. McLafferty, B.L. Atwater, K.S. Haraki, I.K. Mun, D.R. Bartholomew, 3:30 p.m., Friday, Feb. 17, Uris Hall G-14.

COMPUTER SERVICES: "Software Development for Microcomputers." Paul C. Davis, SUNY, Binghamton, 4:30 p.m., Wednesday, Feb. 22, Uris Hall G-14.

Engineering

CHEMICAL ENGINEERING: "Deterministics and Stochastic Modelling of Dynamics of Mixed Microbial Populations." Gregory Stephanopoulos, University of Minnesota, 4:30 p.m., Monday, Feb. 20, Olin Hall A-145.

MATERIALS SCIENCE AND ENGINEERING: "Plastic Deformation in Metallic Glasses." A.S. Argon, MIT, 4:30 p.m., Thursday, Feb. 16, Bard 140.

MECHANICAL AND AEROSPACE ENGINEERING: "The Dynamics of Saturn's Rings." Joseph A. Burns, 4:30 p.m., Tuesday, Feb. 21, Grumman 282.

OPERATIONS RESEARCH: "Most Economical Robust Selection Procedures for Location Parameters." J. Hall, University of Rochester, 4:30 p.m., Tuesday, Feb. 21, Upson 305.

THEORETICAL AND APPLIED MECHANICS: "Viscoplasticity Based on Total Strain." Peter Dashner, 4:30 p.m., Wednesday, Feb. 22, Thurston 205.

Bulletin Board

Cross-Country Ski Trip Set

Cross-country skiing and good company are on tap for graduate students this Friday. Grads for Grads is sponsoring a cross-country ski trip Feb. 17 to Podunk at Trumansburg. Rentals are available. People should meet at 12:30 p.m. in the Sage Hall parking lot for rides. (If you have room for riders, please bring your car.) Refreshments will be served after skiing.

Career Center Calendar

Feb. 16 — Internship Prospecting in State and Local Governments. 4:30 p.m., Ives 215.

Feb. 18 — Registration closes for the 3/18 Optometry College Admission Test.

Feb. 21 — Graduate School Financial Aid Workshop. 11:15 a.m. Career Center. Sign up in advance.

Feb. 21 — Resume Critique. 3 p.m. Career Center. Register in advance.

Feb. 23 — Understanding and Using Work-Study and CETA money for summer internships. 4:30 p.m. Ives 215.

Feb. 24 — Registration closes for 3/18 GMAT.

Calendar

February 16-25

All items for the Chronicle Calendar must be submitted by mail or in person to Fran Apgar, Office of Central Reservations, 32 Willard Straight Hall, at least 10 (ten) days prior to publication of the Chronicle.

*** Admission charged**

Attendance at all events is limited to the approved seating capacity of the hall.

Thursday, February 16

- 10 a.m. Campus Club Fine Art Lecture Series: "Abstract Expressionism-The Formative Years." Robert Hobbs, History of Art Adjunct Curator. H.F. Johnson Museum.
12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
12:15 p.m. Eucharist Episcopal Church at Cornell. Anabel Taylor Chapel.
4 p.m. Open Prose and Poetry reading. All welcome. Goldwin Smith Temple of Zeus.
4 p.m. Quodlibet, The Medieval Forum, Lecture: "The Medieval Illuminator at Work." Robert Calkins, Art History. Goldwin Smith 24.
4 p.m. Art History Colloquium Series Lecture: "Problems of Criticism: Cezanne and his early Twentieth Century Critics." Jacqueline Falkenheim. Goldwin Smith 26.
4:30 p.m. Astronomy and Space Sciences Colloquium: "Giant Gaseous Protoplanets." William DeCampi, Harvard. Space Sciences 105.
5 p.m. Beginning Hebrew Conversation. Anabel Taylor Edwards Room.
5:30 p.m. Explorations of the Siddur. Anabel Taylor 314.
6:30 p.m. Intermediate Hebrew Conversation. Anabel Taylor 314.
7 p.m. Zoo Animal Talk: "Marine Mammals." Gerry Citek. Schurman D-215.
7 p.m. Cornell Badminton Club. Helen Newman.
7 p.m. The Christian Science Organization welcomes students, staff and campus visitors to the weekly readings and testimonies meeting. Anabel Taylor Founders Room.
7:30 p.m. Israeli Folk Dancing. Anabel Taylor One World Room.
7:30 p.m. Introduction to Talmud and Midrash: The Major Personalities. Anabel Taylor G-30.
8 p.m. Cornell Cinema and Oliphant Fellowship present Marcel Ophuls, director of such films as "The Sorrow and the Pity," "The Memory of Justice" and "A Sense of Loss." Uris Hall Auditorium.
8:15 p.m. *Risley Theatre presents "Who's Afraid of Virginia Woolf?" Risley Theatre.

Friday, February 17

- 12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
12:15 p.m. Women's Studies Friday Seminar: "Japanese Feminists of the 1970's." Brett deBary, Japanese Literature. I&LR Conference Center 105.
1 p.m. SALAT-AL-JUMA (Friday prayer for Muslims). Anabel Taylor Edwards Room.
3-7 p.m. Happy Hour. North Campus Thirsty Bear Tavern.
4-6 p.m. Happy Hour. Noyes Center Pub.
4:15 p.m. Coalition for the Right to Eat meeting. Anabel Taylor Forum.
5:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
5:15 p.m. Shabbat Services (Orthodox). Young Israel House.
5:30 p.m. Shabbat Services (Conservative). Anabel Taylor Founders Room.
5:45 p.m. *Cornell Freshman Basketball-Cortland. Barton.
6:30 p.m. *Shabbat Dinner Lecture: "Scenes of Judicial Life." Irving Younger, Law. Reservations must be made by Thursday, Feb. 16 at Anabel Taylor G-34.
7 & 8:30 p.m. *Gilbert and Sullivan's "Trial by Jury." Myron Taylor Moot Court Room.
7 & 9:30 p.m. *Cornell Cinema presents "Dog Day Afternoon." Statler Auditorium.
7 p.m. Dungeons and Dragons meeting. Uris G-94.
7:30 p.m. Pentangle II Free Film Series: "The Great Ecstasy of the Sculptor Steiner" (Herzog, 1975, W. Germany); "Spend It All" (Les Blank, 1971, U.S.); short: "Last Words" (Herzog, 1967, W. Germany). Uris Hall Auditorium.
7:30 p.m. Cornell Christian Fellowship meeting for singing, prayer and fellowship. All welcome. Balch II Lounge.
7:30 p.m. Cornell Women's Varsity Hockey-New Hampshire. Lynah.
8 p.m. *Cornell Varsity Basketball-Yale. Barton.
8 p.m. Cornell Graduate Christian Forum Lecture: "Freud and Christian Faith." Merold Westphal, Hope College. Ives 215.
8:15 p.m. *Risley Theatre presents "Who's Afraid of Virginia Woolf?" Risley Theatre.
8:15 p.m. Department of Music presents Sonya Monosoff, violinist, and Patricia McCarty, violist. Works of Eichner, Reger, Martinu, Riegger, Mozart. Barnes Auditorium.
9:30 p.m. *Cornell Cinema presents "Magic Flute." Uris Hall Auditorium.
10 p.m. Tammany Niteclub Reopens with Bill Rosenzweig and Lon Hoyt. Music, Mime and Mirth. Risley.
12 midnight. Tammany Niteclub presents Adam Crown, guitar and vocals. Risley.
12 midnight. *Cornell Cinema presents "Caged Heat." Uris Hall Auditorium.

Saturday, February 18

- 9:30 a.m. Shabbat Service (Conservative). Anabel Taylor Founders Room.
9:30 a.m. Shabbat Service (Orthodox). Anabel Taylor Edwards Room.
1 p.m. The Pre-Law Society presents a panel discussion: "Professions in Law." Come discuss any aspects of law with an assemblywoman, a judge, a private lawyer, a civil liberties lawyer and more. Goldwin Smith Kaufmann Auditorium.
2 p.m. *Cornell Varsity Hockey-Brown. Lynah.
2 p.m. *Cornell Varsity Fencing-Army. Teagle.
4:30 p.m. Catholic confessions. Anabel Taylor G-24.
5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
5:45 p.m. *Cornell Freshman Basketball - Ithaca College. Barton.
7 & 8:30 p.m. *Gilbert and Sullivan's "Trial by Jury." Myron Taylor Moot Court Room.
7 & 9:30 p.m. *Cornell Cinema presents "Dog Day Afternoon." Statler Auditorium.

- 7 & 9:30 p.m. *Cornell Cinema presents "Magic Flute." Uris Hall Auditorium.
7 p.m. Dungeons and Dragons meeting. Uris G-94.
8 p.m. *Cornell Varsity Basketball-Brown. Barton.
8:15 p.m. Risley Theatre presents "Who's Afraid of Virginia Woolf?" Risley Theatre.
9:30 p.m. Pre-Big Game Semi-Formal Dance, sponsored by Noyes Center Program Committee. Noyes Center 3rd floor lounge.
10 p.m. Tammany Niteclub presents Raoul and the Torts. Risley.
10 p.m. North Campus Union Board presents Cayuga's Waiters. North Campus 1st floor lounge.
12 midnight. *Cornell Cinema presents "Caged Heat." Uris Hall Auditorium.
12 midnight. Tammany Niteclub presents Andrew Peters and Leslie Zwerling, pianist and vocals. Risley.

Sunday, February 19

- 9:30 & 11 a.m. Catholic Mass. All welcome. Coffee hour follows Mass. Anabel Taylor Auditorium.
9:30 a.m. Episcopal Church Worship Service. Sunday school and nursery provided. Anabel Taylor Chapel.
10 a.m. Ithaca Society of Friends (Quakers). Discussion and First Day School. Babysitting provided. Anabel Taylor Forum.
11 a.m. Ithaca Society of Friends (Quakers). Meeting for worship. Anabel Taylor Forum.
11 a.m. Sage Chapel Convocation: Isma'il Al Faruqi, Islamic. Temple University.
11:15 a.m. Protestant Church at Cornell. Anabel Taylor Chapel.
2 p.m. *Cornell Men's Gymnastic Team-Temple. Barton.
2 p.m. *Cornell Cinema presents "Sound of Music." Uris Hall Auditorium.
6:30 p.m. Intermediate Hebrew Conversation. Anabel Taylor 314.
6:30 p.m. *Soybean Soiree or Banquet for a Small Planet. Musical entertainment. Sponsored by Coalition for the Right to Eat and People for Tofu. Tickets at the door or in advance. For more information call 272-2582, 272-2996 or 257-0007. Anabel Taylor One World Room.
8 p.m. *Cornell Cinema presents "Bound for Glory." Uris Hall Auditorium.

Monday, February 20

- 11 a.m.- 3 p.m. Experimental College Registration. Straight Memorial Room.
12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
4:30 p.m. Ideological conflicts in Judaism. Anabel Taylor G-30.
4:30 p.m. Society for the Humanities Lecture: "Monarchy, Republicanism and the Americans." Marcus Cunliffe, American Studies, University of Sussex, England. Ives 110.
5 p.m. Beginning Hebrew Conversation. Anabel Taylor Edwards Room.
5-7 p.m. Experimental College Registration. Straight Memorial Room.
7:30 p.m. Yiddish Conversation. Anabel Taylor 314.
7:30 p.m. Food Science 150 Lecture: "Is Your Vitamin Intake Too High or Too Low." G.F. Combs, Poultry Science. Uris Hall Auditorium.
7:30 p.m. "America and World Community": "Beyond the Myth of Underdevelopment and a Search for Liberation." Joel Gajardo Velasquez, Committee on U.S.-Latin American Relations. Anabel Taylor One World Room.
7:45 p.m. Ornithology Seminar. Public welcome. Stuart Observatory, 159 Sapsucker Woods Road.
8 p.m. The Department of Near Eastern Studies Colonel Yonatan Netanyahu Memorial Lecture: "The Excavation of Apeh-Antipatris: 5000 Years of History Revealed." Moshe Kochavi, Institute of Archaeology, Tel Aviv University. Goldwin Smith Kaufmann Auditorium.
9 p.m. *CORNELL Cinema presents "All Screwed Up." Film Club Members only. Uris Hall Auditorium.

Tuesday, February 21

- 11 a.m.-3 p.m. Experimental College Registration. Straight International Lounge.
12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
12:15 p.m. Cornell Women's Caucus. Ives 118.
2 p.m. Society for the Humanities Seminar: "Black Slavery and Wage Slavery." Marcus Cunliffe, American Studies, University of Sussex, England. Andrew D. White House.
3 p.m. Geological Sciences Seminar: "Some Quantitative Aspects of Asian Tectonics." Peter Molnar, Massachusetts Institute of Technology. Thurston 205.
4 p.m. *Cornell Men's Swimming-Colgate. Teagle.
4:40 p.m. University Lecture: "Human Right and Politics: India Charts a New Course." Nani A. Palkhivala, ambassador to the United States from India. Co-sponsored by Cornell Peace Studies Program. Goldwin Smith Kaufmann Auditorium.
4:30 p.m. Fundamentals of Jewish Thought. Anabel Taylor Forum.
5 p.m. Cornell Women's Bowling-Corning Community College. Helen Newman.

5-7 p.m. Experimental College Registration. Straight International Lounge.

7 p.m. Cornell Badminton Club. Helen Newman.
8 p.m. *Cornell Cinema presents "Return from Africa." Uris Hall Auditorium.

Wednesday, February 22

- 12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
3:30 p.m. Society for the Humanities Colloquium: "Canaanites and Jews." Martin Bernal, Government, Faculty Fellow, Society for the Humanities. Andrew D. White House.
4:15 p.m. Japanese Free Film Series: "No Greater Love" part 1 of the trilogy "The Human Condition" (Kobayashi, 1959). Uris Hall Auditorium.
5 p.m. Episcopal Church at Cornell Evening Prayer. Anabel Taylor Chapel.
5 p.m. Advanced Hebrew Conversation. Anabel Taylor 314.
7 p.m. Cornell Women's Basketball-R.P.I. Helen Newman.
7 p.m. Cornell Sex Series Beyond the Birds and Bees presents "Historical and Cultural Aspects of Childbirth." Carmel Nayman, Childbirth Education Association and New Parents from the Cornell Community. Sponsored by the Cornell Sex Education Committee. Ives 110.
7:30 p.m. Graduate Women in Science presents "Combining an Academic Scientific Career and Family Life." Lou J. Hughes, Chemistry; Miriam Salpeter, Neurobiology and Behavior and Applied Engineering; Ruth E. Buskirk, Neurobiology and Behavior; Virginia Utermohlen, Biochemistry, Molecular and Cell Biology; Catherine G. Fabricant, Veterinary Microbiology. Emerson 135.
7:30 p.m. North Campus Union Board presents an exhibition by pool expert Babe Cranfield. North Campus Gameroom.
7:30 p.m. "America and World Community": "Interdependencies of Global Population, Food, Economic Growth, and Human Control of the Environment." Kenneth Robinson, Agricultural Economics. Anabel Taylor One World Room.
8 p.m. Cornell Backgammon Club. Noyes Center 3rd floor lounge.
8 p.m. *Cornell Cinema presents "Long Days Journey into Night." Uris Hall Auditorium.

Thursday, February 23

- 10 a.m. Campus Club Fine Art Lecture Series: "Flight Out of Time - The Russian Avant Garde." John E. Bowlit, Russian Language and Literature, University of Texas. Herbert F. Johnson Museum of Art Lecture Room.
12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Department of Floriculture and Ornamental Horticulture Lecture: "Foliar Nutrition of Selected Ornamentals." Ellen Pappozzi. Plant Science 37.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
12:15 p.m. Eucharist Episcopal Church at Cornell. Anabel Taylor Chapel.
4 p.m. Open Prose and Poetry reading. All welcome. Goldwin Smith Temple of Zeus.
4 p.m. University Lecture: "Soviet Unofficial Art: Ethics of Aesthetics?" John Bowlit, Slavic Literature, University of Texas. Herbert F. Johnson Museum 2L Auditorium.
4:30 p.m. Renaissance Colloquium Seminar: "The Uses of Codicology in Literary Criticism." Germaine Warkentin, University of Toronto. Goldwin Smith 1.
4:30 p.m. Astronomy and Space Sciences Colloquium: "Detection of Molecular Hydrogen Emission in Space." R. Trefers, University of California at Berkeley. Space Sciences 105.
4:30 p.m. Zoo Animal Talk: "Reptiles." Harvey Pough. Schurman D-215.
5 p.m. Soviet Unofficial Art Reception. The Society for the Humanities. Andrew D. White House.
5 p.m. Beginning Hebrew Conversation. Anabel Taylor Edwards Room.
5:30 p.m. Explorations of the Siddur. Anabel Taylor 314.
6:30 p.m. Soviet Unofficial Art Lecture and Recital: Russian Underground Songs, Vladimir Frumkin. Johnson Museum.
6:30 p.m. Intermediate Hebrew Conversation. Anabel Taylor 314.
7 p.m. Zoo Animal Talk: "Reptiles." Harvey Pough. Schurman D-215.
7 p.m. Cornell Badminton Club. Helen Newman.
7 p.m. The Christian Science Organization welcomes students, staff and campus visitors to the weekly readings and testimonies meeting. Anabel Taylor Founders Room.
7:30 p.m. Israeli Folk Dancing. Anabel Taylor One World Room.
7:30 p.m. Introduction to Talmud and Midrash: The Major Personalities. Anabel Taylor G-30.
8 p.m. *Cornell Cinema presents "The Friends of Eddie Coyle." Co-sponsored by Law School. Uris Hall Auditorium.
8:15 p.m. *Department of Theatre Arts presents double bill of one-act plays: "The Marriage of Bette and Boo" by Christopher Durang and "The Transfiguration of Benno Blimpie" by Albert Innaurato. Directed by John Greenwood. Lincoln Drummond Studio.
8:15 p.m. *Faculty Committee on Music presents National Symphony Orchestra conducted by Mstislav Rostropovich. Works of Glinka, Dvorak, Tchaikovsky. Bailey.

Friday, February 24

- 10 a.m. Newest Trends in Soviet Avant-Garde. "Pop Art." Norton Dodge, University of Maryland; "Kinetic Art." John Bowlit, University of Texas; "Russian Unofficial Art and its Ties with Tradition." Sarah Burke, Trinity University. Johnson Museum.
12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
12:15 p.m. Women's Studies Friday Seminar: "Family Roles, Work Conditions, and Political Participation of Women in Italy." Ada Cavazzani, Urban and Rural Sociology, University of Calabria, Italy. I&LR Conference Center 105.
1 p.m. SALAT-AL-JUMA (Friday prayer for Muslims). Anabel Taylor Edwards Room.
2 p.m. Soviet Unofficial Art Roundtable Discussion: "The Artist's Situation in the Soviet Union." "Unofficial Art as a Form of Dissent in the Soviet Union." Donald Graves; "The World of the Unofficial Artist." Louise Shelley; "A View by a Soviet Artist." Yakov Venkovetsky; "Contemporary Art in

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