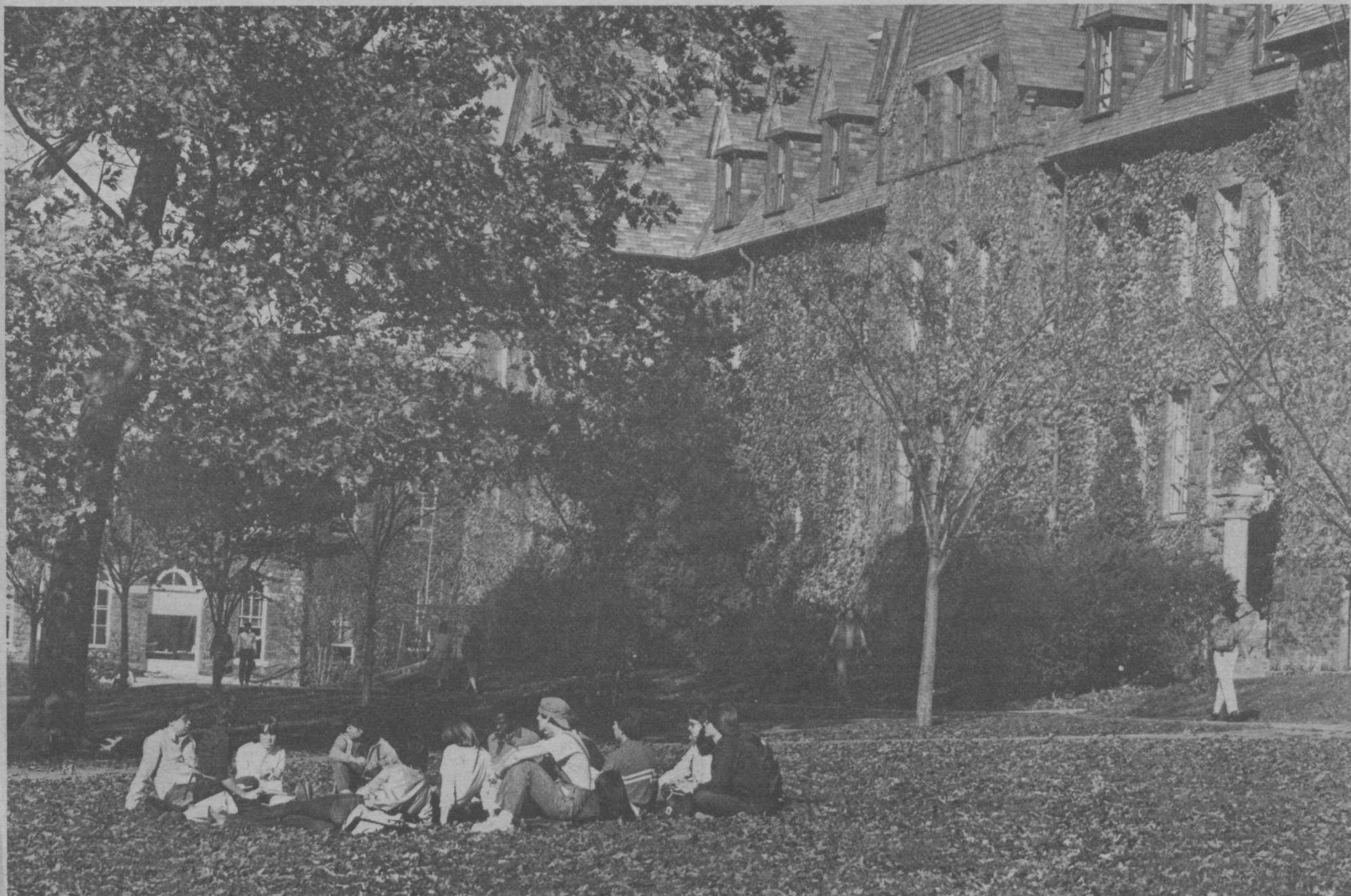


Cornell Chronicle

Volume 13, Number 12

November 12, 1981



On one of the seasons' last warm, sunny days, a class meets on the lawn in the Lincoln-Sibley corner of the Arts Quad.

Comprehensive Writing Program Recommended

Commission Report Outlines 5 Steps to Improvement

A report recommending what has been described as "a comprehensive and long-range approach to enhance the level of student writing and writing instruction" at Cornell has been released by the Provost's Commission on Writing. The report's five recommendations call for students to be required to take at least four courses in writing, establishment of a University Bureau for Professional Writing, development of a University Committee on Writing and shared faculty responsibility for the quality of student writing skills.

Cornell Provost W. Keith Kennedy said, "We are extremely grateful to the members of the commission for the amount of time and effort devoted to developing their recommendations for improved writing at Cornell.

"In the days and weeks ahead we will initiate discussions with the

deans of the colleges and the faculty to elicit their comments and reactions to this very crucial academic concern."

Kennedy created the 16-member commission a year ago to consider the quality of student writing throughout the university.

The commission was charged with examining writing programs at Cornell and other universities and with recommending an overall writing program to address the needs at Cornell.

The debate about student writing is, according to the report, both widespread and inconclusive, with little agreement among experts as to its severity or on remedies for the problem.

"The concern about writing skills is hardly peculiar to Cornell," the committee reported. "The refrain 'students can't write' has been chanted in the national press, and

the 'crisis of literacy' has generated a profusion of new writing programs in universities throughout the United States."

The complete commission recommendations are:

1. That the faculty share the general responsibility for the quality of student writing skills, and that writing skills be emphasized throughout the curriculum.

2. That all students graduating from Cornell take at least four courses which provide formal instruction and practice in writing. A sequence of courses in the freshman year would be augmented by two upper-level courses emphasizing development and refinement of writing skills.

3. That a University Bureau for Professional Writing be established to assist in the implementation of the upper-level writing requirement. The bureau would provide a

structure for the interaction of faculty who teach writing and which would respond to additional needs as they develop.

4. That a university-wide Freshman Composition Curriculum be developed. The English Department would offer the greater part of first semester courses. Second semester instruction would build on the first semester's work and would be offered by the English Department and by other appropriate departments. The director of the program would be responsible for overseeing it.

5. That a University Committee on Writing be established to survey, coordinate, and encourage efforts to teach writing at all levels of instruction. In addition, the committee would advise the director of the proposed Freshman Composition Curriculum.

The recommendations of the com-

mission are the product of 10 months of investigation and discussion.

Vice Provost for Undergraduate Education Larry I. Palmer said tentative proposals were tested and refined in consultation with a variety of groups on campus. These included professors, administrators and students involved in existing writing programs, deans of instruction of the colleges, members of the English Department and teachers of technical and professional writing.

Information on writing and writing programs at other universities was gathered through interviews and through a review of the literature issued by a variety of educational institutions and language groups.

To develop an understanding of writing at Cornell, the commission devised a series of questionnaires

Continued on Page 4

Personnel Launches Career Series

Executive Staff Assistant Next Subject

Any employees who were curious about the university position administrative manager as a possible career step had many of their questions answered Tuesday at the first Cornell Careers brown bag lunch at Uris Hall.

Diane Teare, administrative manager of the vet diagnostic laboratory, analyzed the administrative manager position and spoke to some 120 people about the training, experience and abilities that can generally qualify successful candidates for jobs with this title.

Her talk was the first in a series

of six Cornell Careers programs to be held from 12:15 p.m. to 1:15 p.m. on the second Tuesday of each month through May in Room 202, Uris Hall. Each session will feature a job title chosen from highly competitive clerical and entry-level administrative positions here.

Future sessions will discuss the following positions: executive staff assistant, accounts coordinator-GR21, secretary-GR18, administrative aide-GR21, staff writer/editor and student development specialist.

"We're constantly looking for

new ways to interest employees in career information," said Staff Relations and Training Director Gerry Thomas of University Personnel Services. "Employee-to-employee communication is the most direct and credible way to share the special kind of information that can be crucial to individuals making the decision to really develop their potential at Cornell.

"Very often, people are unpleasantly surprised when their natural abilities, formal education, work history and life experience just don't add up to the quali-

fications for a particular position — and not just at Cornell," Thomas continued.

"Too often, people come to our Work Life Development program when they are already frustrated," he said. "Employees need to start out knowing the specific work skills and personal qualities that can help them make either the transition to a higher level position or to a job on the same level that particularly suits or interests them."

"Cornell Careers can begin to fill in that information gap," said Thomas. He noted that members of the University Personnel Services staff proposed the Cornell Careers program "in direct response to employee concerns and in absolute consistency with Cornell's emphasis on promotion from within."

Thomas said the program will expand to cover other Cornell jobs, "if employee response remains positive."

Marine Animal Health Laboratory Will Be Funded with NIH Grant

The College of Veterinary Medicine has received a three-year grant totalling \$331,713 from the National Institutes of Health to establish the Laboratory for Marine Animal Health.

The support will be used to expand a pilot diagnostic laboratory and investigative program at the Marine Biological Laboratory, Woods Hole, Mass., into a marine animal diagnostic facility, according to Dr. Louis Leibovitz, director of the new laboratory. An associate professor of avian and aquatic medicine, Dr. Leibovitz initiated the Fish Diagnostic Laboratory at Cornell several years ago and has worked extensively with the shellfish industry.

One function of the Laboratory for Marine Animal Health will be to monitor the health of animals used in research at the Marine Biological Laboratory and the adjacent scientific community at Woods Hole.

According to Dr. Charles C. Rickard, principal investigator in the NIH grant and associate director of the Veterinary College's Aquavet Program, the laboratory will investigate disease outbreaks, evaluate clinical signs and lesions, and develop diagnostic methods for recognition of infectious, parasitic and toxicological diseases.

Investigators also hope to establish guidelines for the continued maintenance of environmentally

controlled and propagated species, and identify geographic areas suitable for the collection of valuable marine animals.

A long-range goal is the standardization of stocks of marine species suitable for well-controlled research. Laboratory-bred stocks of marine species with known genetic and environmental backgrounds at defined stages of development are needed for research in neurobiology and behavior, toxicology and environmental monitoring, and for developmental biology.

Activities at the new laboratory are expected to benefit Aquavet, the training and research program in aquatic veterinary medicine which is jointly sponsored by the Cornell College of Veterinary Medicine and

the School of Veterinary Medicine at the University of Pennsylvania. Also to benefit will be the teaching and research activities of three collaborating institutions: the Marine Biological Laboratory, the Northeast Fisheries Center of the National Marine Fisheries Service, and the Woods Hole Oceanographic Institution.

The expanded diagnostic laboratory will be capable of conducting histopathological, bacteriological, mycological, parasitological, virological and hematological examinations of marine vertebrates and invertebrates. It will also be equipped to measure water samples for concentrations of nitrogen, oxygen and undissociated ammonia, pH levels, total salts and chlorine.

Assembly Meets Today

The University Assembly will meet at 4:45 p.m. today in 405 Malott Hall.

Items on the agenda include a presentation of the Campus Life Three-Year Plan by William D. Gurowitz, vice president for campus affairs, and the approval of a Charter amendment concerning the appointment of alternates to committees.

Meetings of the University As-

sembly are open to all members of the Cornell community. Questions concerning the work of the Student, Employee or University Assemblies should be directed to the Office of the Assemblies, 165 Day Hall, 256-3715.

NSF Graduate Fellowship Applications Available

The National Research Council has announced that funding will be available for the 1982 National Science Foundation Graduate Fellowship competition and the 1982 National Science Foundation Minority Graduate Fellowship competition. Applications have been requested and will be available upon arrival at the Fellowship Office, 116 Sage Graduate Center. Applications may also be obtained by writing to the Fellowship Office, National Research Council, 2101 Constitution Avenue, Washington, DC 20418. The application deadline for both programs is **December 18, 1981**.

Prospective applicants to both NSF Fellowship programs who have not taken the Graduate Record Examinations (GRE) since October 1, 1979, should register immediately for the GRE to be administered on December 12, 1981. GRE registration forms for this test date for NSF Fellowship applicants only must be received at the Educational Testing Service by December 3, 1981. Prospective applicants should enclose a note with the GRE registration form stating that they are candidates for an NSF Graduate Fellowship or for an NSF Minority Graduate Fellowship, rather than wait for the NSF-GRE Candidate Identification Card which accom-

panies the fellowship application.

Questions concerning either NSF Fellowship program may be directed to the Fellowship Office, 256-4884.

G-S, Rockefeller Project Expanded

An expansion in scope of a four-year renovation program for Rockefeller and Goldwin Smith Halls has been approved by the University Board of Trustees.

At a weekend meeting in Ithaca, the trustees authorized an increase in the renovation project budget from \$3,400,000 to \$6,050,000.

Renovations to Rockefeller and Goldwin Smith Halls began in 1979. The expansion in scope of the program includes provisions to improve office space for faculty members, teaching assistants, lecturers and secretarial staff.

The expanded renovations program to Rockefeller Hall will relieve overcrowding in the College of Arts and Sciences building and will provide several fire stairs and an elevator. The trustees authorized spending \$485,000 to fund work through June 1982 in the two buildings.

Jobs

The following job openings are new this week. For information on vacant positions listed in previous issues of the Chronicle, contact Personnel Staffing Services, 130 Day Hall. Cornell is an affirmative action employer.

Administrative/Professional
Sr. Systems Analyst, CP6 (CCS/Admin. Prog. Service)
Contracts Manager (Facilities & Business Operations)

Applications Programmer II, CP4 (Computer-Aided Design Instructional Facility)

Applications Programmer, CP3 (Controller's (Accounting))
Dining Supervisor, CP3 (Cornell Dining)

Executive Staff Assistant, CP3 (Law School)
Dining Supervisor, CP3 (Cornell Dining)

Research Support Aide, CP2 (Entomology) (2)
Staff Writer I, CP2 (Media Services)

Clerical
Secretary, GR18 (Economics)
Secretary, GR18 (Electrical Engineering)
Secretary, GR18 Media Services

Secretary, GR16 (Engineering Dean's Office)
Office Assistant, GR16 (University Health Services)

Printing Assistant, GR16 (Graphic Arts Service)
Office Assistant, GR16 (Physical Education & Athletics)

Secretary, GR16 (Asian Studies & Near Eastern Studies)
CRT Operator, GR15 (Animal Science) (2)

Office Assistant, GR14 (Animal Science)

Service & Maintenance
Assistant Baker, SO20 (Cornell Dining)
Duplicating Machine Operator, SO17 (Media Services-Printing)

Technical
Technician, GR22 (Biochemistry, Molecular & Cell Biology)
Technician, GR18 (Agronomy)

Part-time and/or Temporary
Administrative Secretary, GR18 (Architecture)

Secretary, GR18 (Vice Provost)
Lab. Attendant, SO16 (Biochemistry, Molecular & Cell Biology)
Temp. Accounts Coordinator, T-3 (Graphic Arts Services)
Temp. Copy Preparation Specialist,

T-3 (Graphic Arts Services)
Temp. Office Assistant, T-1 (University Registrar)
Temp. Service Clerk, T-2 (University Library-Engineering)

Academic
Director of Freshman Comp. Curr., Assoc. or Full Prof. (English, Arts and Sciences)

Asst. or Assoc. Prof., Ag. & Occupational Ed. (CALS)
Asst. Prof., Reproductive Pathology (Vet. Medicine)

Lecturers, Intensive Eng. Prog. (Modern Lang. & Ling.) (part-time)
Teaching Assoc. (Modern Lang. & Ling.) (part-time)

The Job Opportunities list is mailed to all Cornell departments. In addition, it is posted in the following places: Day Hall Information Desk, second floor lobby; at the Circulation and Reference Desks of all university libraries; in the Map and Newspaper Section, Olin Library; all college and technical libraries; Roberts Hall Post Office substation and in the Upper Activities corridor, Willard Straight Hall.

Cornell Chronicle

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

Flood-Damaged Books Can Be Salvaged

Archivist Explains Techniques

Some flood-damaged books, papers and photographs may be saved if prompt action is taken, according to Archivist Richard Strassberg, chairman of the Cornell University Library Conservation Committee. He suggested the following steps:

Mud-covered and thoroughly soaked hard-covered books will not be damaged by further exposure to water and may be washed clean in running water. Closed books should be held, one at a time, under water and the mud removed by gentle dabbing with a sponge. Minor adhesions of mud remaining can be removed after drying.

The process of drying hard-bound books is the same for both volumes which have been soaked and mud covered or merely soaked. Such volumes should be stood upright on the head end, with covers slightly ajar. To provide support styrofoam,

sponge rubber, or similar material three-sixteenths of an inch thick, cut into small pieces three-fourths of an inch wide and slightly longer than the thickness of the book. Place this wedge under the front edge of the book to keep it balanced in the upright position and tilted backward slightly. The books should be placed on white paper toweling or other absorbent paper which should be changed fairly frequently.

This method of support will not work with paper-bound volumes which need support (cardboard will do) to stand. Hard bound books tend to distort when soaked in water; in such cases hanging a partially dry volume on three or more monofilament nylon lines may help the spine return to its original shape. Such lines should be not more than one-thirty-second of an inch apart. No volume should be hung up if it

weighs more than 5 pounds. Volumes to be hung should be weighed when completely soaked and not hung until they have lost about two-fifths of their weight, but under no circumstances should a book be hung when saturated or if its cover is already severely damaged. The air in the room which books are drying should be kept circulating. A de-humidifier is an excellent way to do this.

When volumes are almost dry they may be laid flat on a table, gently formed into their natural shape and held in place with a light weight. Mold may be a problem in drying paper. If the amount is small and the volume is dried in a warm, dry room, the mold may be rubbed off after drying. If the mold growth is severe, fumigation by interleaving with chemically treated paper may be a necessity.

Financially valuable volumes should not be allowed to air dry but should be immediately frozen and a professional conservator contacted for his or her suggestions.

Wet and muddy black and white negatives and prints should be sealed in polyethylene bags and placed under clean cold water in plastic containers. Black and white film can be maintained in such condition for up to three days but emergency aid and advice should be sought immediately from Eastman Kodak. Unless color material is transported to a professional photographic service within 48 hours after immersion, serious destruction will take place.

For details on managing large quantities of damaged books or papers, or the kind of fumigant useful in controlling mold and the names of conservators who can deal with

rare, water damaged books and manuscripts, Strassberg suggests consulting the pamphlet, "Procedures for Salvage of Water Damaged Records" which Strassberg said is the primary source for the techniques suggested above. A copy of this Library of Congress pamphlet has been placed in the Tompkins County Public Library.

Conference On Urban Health Here

A former national health director of Operation PUSH will be the keynote speaker here Nov. 14 at a day-long conference on urban health sponsored by the Black Bio-Medical and Technical Association (BBMTA).

Dr. Therman Evans, national health director in 1976-77 of Operation PUSH — People United to Save Humanity — will speak at 10 a.m. Nov. 14 in the Hollis E. Cornell Auditorium of Goldwin Smith Hall.

A \$2.50 registration fee, including lunch, is being charged for the conference which is open to the public.

While he was with PUSH, Dr. Evans was responsible for "organizing, developing and promoting a national advocacy thrust for the improvement of the health of black Americans specifically, and for poor people in general," according to Carol McIntosh, president of BBMTA and a junior in the College of Arts and Sciences.

Dr. Evans is now assistant medical director of Connecticut General Life Insurance Co.

The overall purpose of the conference is to inform Cornell students about the problems in urban health and some possible solutions, McIntosh said.

Twenty medical school representatives who are interested in recruiting minority students are expected to participate in the program. A panel discussion featuring Cornell graduates now attending medical schools is set for 1 p.m. in the Hollis E. Cornell Auditorium.

Anyone interested in full details should contact McIntosh at 256-5688 or Box 25 North Campus Union or through BBMTA office in Ujamaa Residential College.

BBMTA, organized in 1973, is an organization of Cornell minority students who are interested in pursuing careers in health-related professions.



Outside the south end of Goldwin Smith Hall is an unlikely study spot many times of many days, but with the sun shining and no traffic, these two Cornellians found it ideal for some brief review.

Cornellians' Works on Exhibit in Washington

The works of two Cornell fine arts professors and two Cornell alumni appear in the exhibition of art from Appalachia currently at the National Museum of American Art of the Smithsonian Institution in Washington D.C.

The show, which opened Oct. 30, will be at the national museum through January 3 when it will go on a tour of museums throughout the 13-state Appalachian region.

Several wood carvings by Victor

Colby, a professor in the College of Architecture, Art and Planning at Cornell, are among 105 works by 69 artists represented in the show.

Kenneth W. Evett, professor of fine art emeritus at Cornell, is represented by an oil portrait of Sibylle Ungers. He states in the 127-page catalog titled "More than Land or Sky: Art from Appalachia," "Wherever I have painted, my work has been profoundly affected by the forms and colors of the environ-

ment."

The two Cornell graduates in the show are Mary Shelley, class of 1972, of West Danby; and Henry J. Drexler, class of 1969. Drexler has two oil paintings of scenes in and around Norwich where he was born and still lives.

Shelley has two painted basrelief wood carvings, a technique she says she has pursued for eight years without any formal training.

According to Harry Lowe, acting

director of the national museum, "We hope that the exhibition will convince all visitors that Appalachian art is indeed more than the surface treatment of the beauty of land and sky. Its lyric power and quirky individuality are deeply rooted in the traditions of the region and in the traditions of American art in general."



United Way
of Tompkins
County

Urging all United Way volunteers and contributors to return the last of the pledge cards, Cornell United Way Campaign Chairman Jerome M. Ziegler reported 1981 pledges, as of Wednesday, totalling \$255,881 or 95 percent of this year's goal. Countywide pledges are reaching the \$800,000 mark on the way to a campaign goal of \$880,000.

Study Will Explore Technological Risks

Chemical Industry Subject of NSF Grant

Attitudes of chemical industry workers exposed to "invisible" health risks will be examined in a three-year study by Dorothy Nelkin, professor in the Program on Science, Technology, and Society.

The project, entitled "Workers, Values and Technological Risks," is funded by a \$198,927 grant from the National Science Foundation. Also

participating in the study will be Michael Brown, formerly an environmental protection specialist in the Office of Toxic Substances of the U.S. Environmental Protection Agency.

Noting that work-related risks in technological industries include not only routine safety hazards that can be easily seen and evaluated by workers, but also health risks that are "invisible" and controversial, Nelkin and Brown plan to focus on chemical industries where direct correlations between exposure to substances and adverse human health effects are often uncertain.

"Sometimes work-related diseases show up far in the future and may not be diagnosed until that time," observes Nelkin, who also

serves as a professor of sociology at Cornell. "Disagreements among technical experts about the extent and actual nature of these risks compound uncertainty. Even where there is agreement on the hazardous nature of a substance, workers cannot be sure about the risks to their health since they rarely have direct methods to determine their own degree of exposure. Their perceptions of risk depend on the information available and their ability to act on such information."

Chemical industry workers will be interviewed in their homes or in union halls.

The intensive interviews and extended observations are expected to increase the researchers' understanding of the acceptability of risks

in several areas. Among them: The level of information about risk available to workers, how they obtain it and deal with it in judging personal danger; the role of social, economic and political factors in affecting worker attitudes towards exposure; the adaptations to and rationalizations of risk as people resolve conflicts between the perceived risks and benefits of a job; the opportunities for workers to participate in decisions about the risks to which they are exposed; and the perceived needs of workers in these areas.

Professor Nelkin's interest in labor extends back to the 1960s when she was involved in a five-year project on migrant farm labor in the United States and wrote two books

on the subject, "On the Season" and "Migrant." She has written a number of books on controversial areas of science and technology, and has studied disputes among experts over environmental risks and participation in technical decisions.

Brown is a research specialist in the Cornell Program on Science, Technology, and Society. He was on the Environmental Protection Agency's chlorofluorocarbon (CFC) project, and was responsible for analyzing segments of the CFC industry, helping to establish regulatory policy and writing regulations.

FAIR Peer Counselors Explain Aid

They can't loosen federal purse strings, but the University's Financial Aid Information Resource (FAIR) Peer Counselors can help fellow students cut through much of the financial aid jungle.

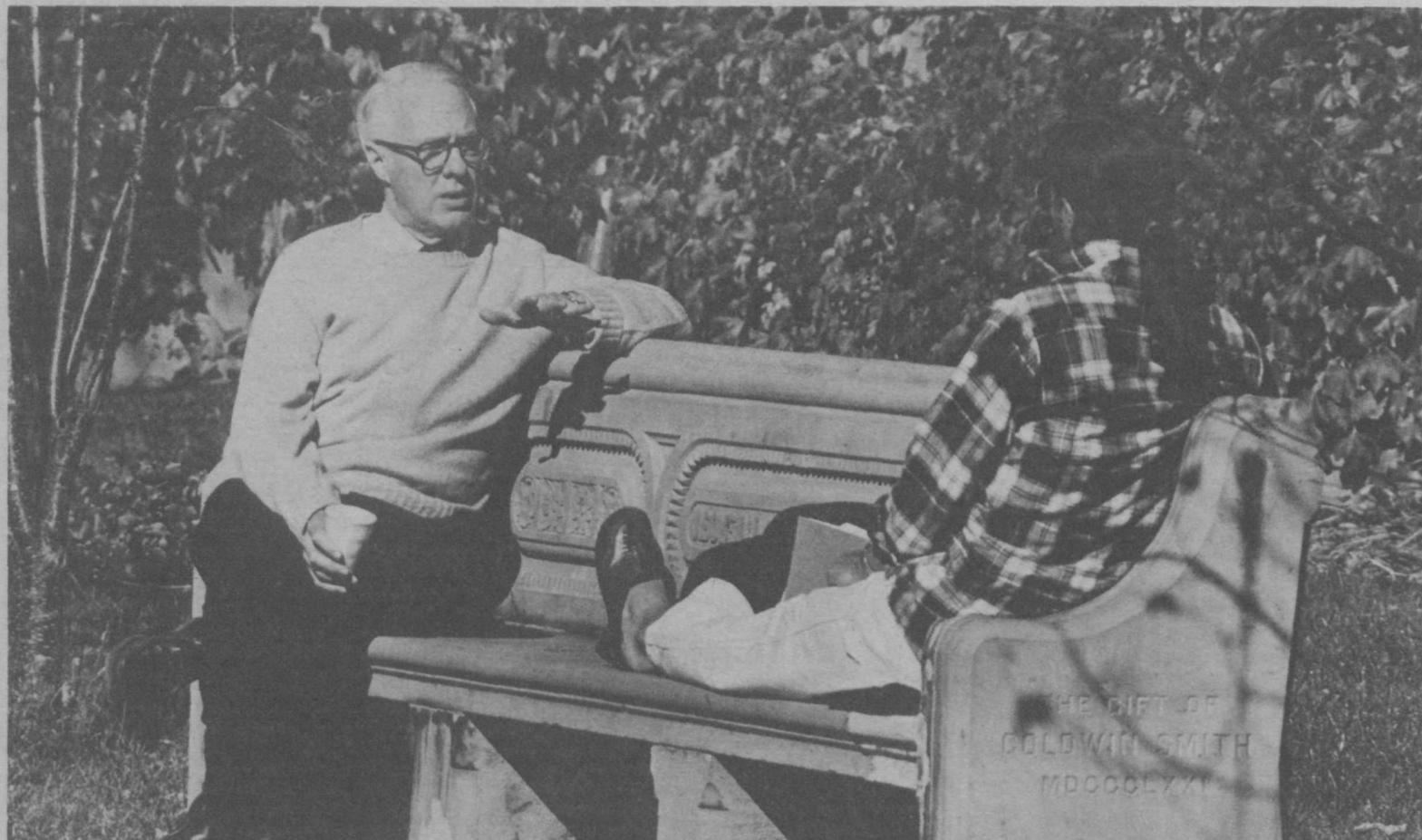
Nine students work in the four-year-old program to assist other students and "to provide positive contacts" between students and Cornell's Office of Financial Aid, according to Jennifer Michelson, a counselor and a junior in the School of Hotel Administration from Vincentown, N.J.

The FAIR Peer Counselors are trained to answer basic financial aid questions in order to leave the professional counseling staff available to deal with complicated problems.

The counselors work in the financial aid office, 203 Day Hall, and throughout the campus: Willard Straight Hall, The Campus Store, the Alfalfa Room in Warren Hall. A full schedule is available at 203 Day Hall.

In addition to answering a variety of questions from students, FAIR Peer Counselors assist in the various units of the financial aid office, often tracking down the sources of financial aid problems, and doing research for professional counselors.

At the sites around campus, the counselors answer questions and provide applications for Pell Grants and the Tuition Assistance Plan (TAP) and Financial Aid Forms (FAF).



Writing Commission Membership Named

Continued from Page 1

which were given to faculty members, writing instructors, seniors and freshmen.

The questionnaires, written and administered in cooperation with CAMPOLL, Cornell's on-campus polling office, were designed both to gather relevant statistical information on writing at Cornell and to survey the attitudes of the faculty and undergraduates about the level of student writing ability and the quality of writing instruction.

"Success in addressing the problem of inadequate writing skills will not be guaranteed simply by a heavy investment of cash, or by institutional reorganization: it will require a general commitment of resources and energy to the teaching of writ-

ing skills by the administration and faculty," the report said.

"The commission insists that writing is not just a problem to be addressed in a special sequence of courses, or just in the freshman year. Good writing is always intimately related to a good command of the substantive content of a subject. Good writing requires continuous reinforcement by frequent exercises which receive detailed critical commentary at all levels of instruction," the report concluded.

Copies of the report of the Commission on Writing are available at the reference desks in Mann, Olin, and Uris libraries at Cornell. For further information, contact Vice Provost Palmer at (607) 256-7595.

Membership on the commission is as follows:
Clive A. Holmes, chair, associate pro-

fessor of English history, College of Arts and Sciences.

Harlan P. Banks, Liberty Hyde Bailey Professor of Botany, Emeritus, College of Agriculture and Life Sciences.

Daryl J. Bem, professor of psychology, College of Arts and Sciences.

Malcolm S. Burton, associate dean for undergraduate education, College of Engineering.

William Collins, associate director of COSEP, director of the Learning Skills Center.

Robert E. Doherty, associate dean and professor, School of Industrial and Labor Relations.

Scott B. Elledge, Goldwin Smith Professor of English Literature, College of Arts and Sciences.

Daphne A. Jameson, assistant professor of communications, School of Hotel Administration.

Isaac Kramnick, professor and chair, Government, College of Arts and Sciences.

James R. McConkey, professor of English, College of Arts and Sciences.

Ray T. Oglesby, professor of natural resources, College of Agriculture and Life Sciences.

Gerard Salton, professor of computer science, Colleges of Arts and Sciences and of Engineering.

Phil Schoggen, professor and chair, Human Development and Family Studies, College of Human Ecology.

Donald F. Schwartz, professor and chair, Communications Arts, College of Agriculture and Life Sciences.

Robert L. VonBerg, professor of chemical engineering, College of Engineering.

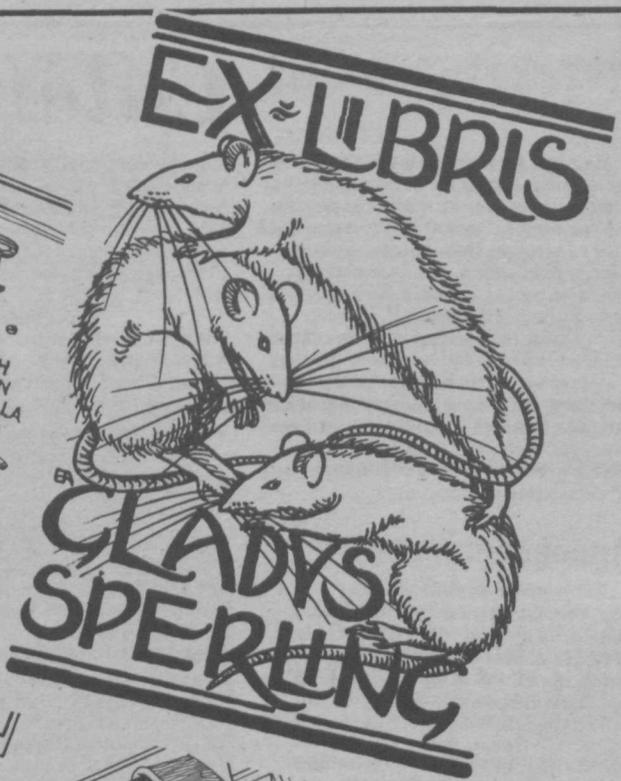
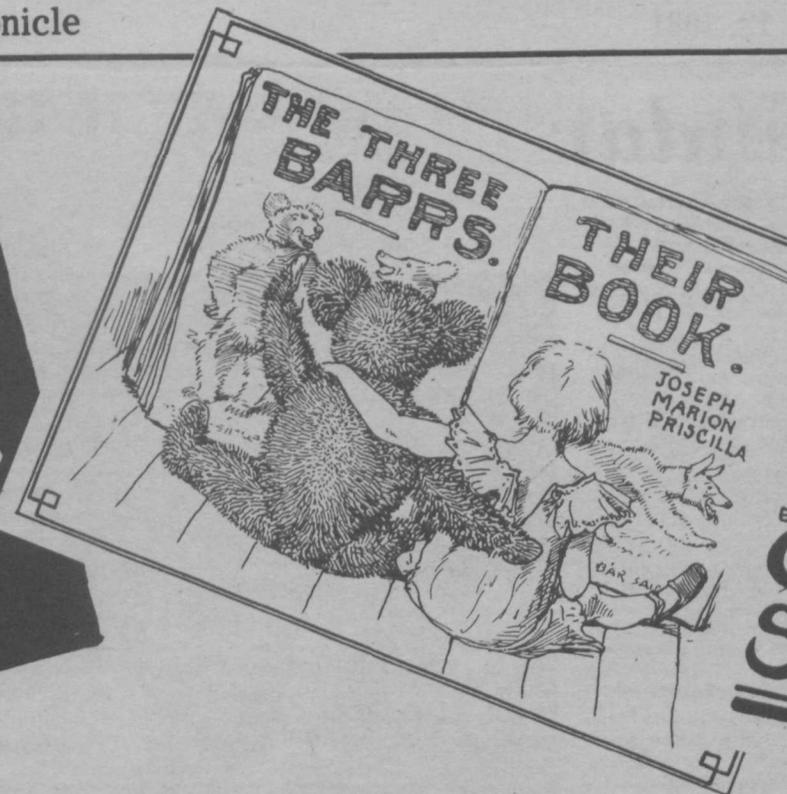
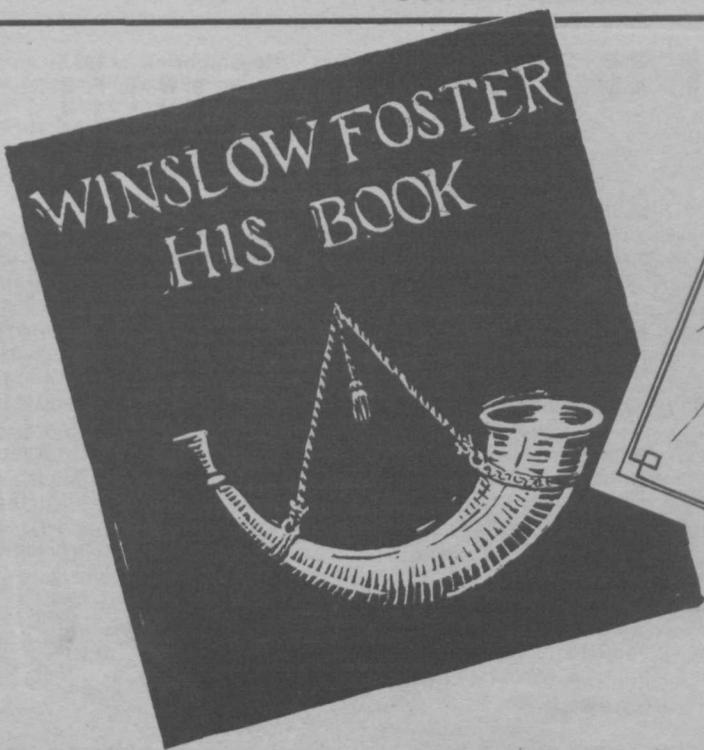
Nevart Yaghlian, director of Counseling/Student Services, College of Human Ecology.

Larry I. Palmer, ex officio, vice provost for undergraduate education.

Donna L. Sokol - staff assistant to the commission.

A place in the Indian Summer sun was occupied recently by Stephen M. Parrish, acting chairman and professor of English, and Kris Dugas, a graduate student in English.





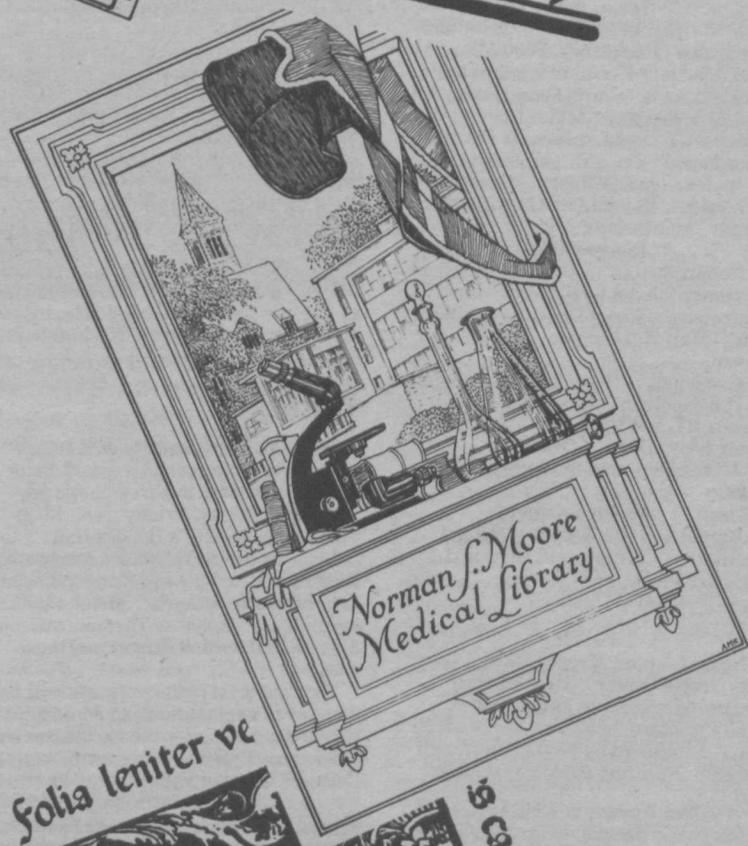
The Book of
Louis Agassiz Fuertes

Bookplates on Exhibit

At Olin Library

More than 100 bookplates, many designed by and for Cornellians, are on exhibit through mid December in the entrance lobbies and Rare Book Room of Olin Library. The plates range from elaborate engravings to simple modern designs.

Two of the plates reproduced on this page were designed by Louis Agassiz Fuertes. His personal plate is at the left. He also designed "The Three Barrs," above. Dr. Norman S. Moore's plate, at right, was designed by Alison Mason Kingsbury, widow of Morris Bishop, one of Cornell's most revered faculty, as was Martin W. Sampson, whose plate, lower right, bears the admonition in Latin: "You are opening and turning this book, make sure your hands are clean...." In many ways the exhibit is a personalized history of Cornell.



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Calendar

November 1981						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

All items for publication in the Calendar section, except for Seminar notices, must be submitted by mail or in person to Fran Apgar, Central Reservations, 532 Willard Straight Hall, at least 10 days prior to publication. Seminar notices should be sent to Barbara Jordan-Smith, News Bureau, 110 Day Hall, by noon Friday prior to publication. Items should include the name and telephone number of a person who can be called if there are questions, and also the subheading of the Calendar in which it should appear (lectures, colloquia, etc.). ALL DEADLINES STRICTLY ENFORCED.

*-Admission charged.

Announcements

Nuclear Convocation

Several workshops have been scheduled for today (Nov. 12) and tomorrow (Nov. 13) as part of the Cornell Convocation on the Threat of Nuclear War. All sessions will be held in Anabel Taylor Hall on the following schedule:

Today (Nov. 12)

3:30-4:15 p.m.: "U.S. Doctrine and Weapons," Ben Miller, Forum Room, and "Nuclear Proliferation and the Arms Bazaar," Chris Dube, Room 314.

4:30-5:45 p.m.: "Soviet Doctrine and Weapons," David Holloway, Forum Room, and "The Military-Industrial Complex," Judith Reppy, Room 314.

7-9 p.m.: Roundtable: Local Action for Peace, Auditorium.

Tomorrow (Nov. 13)

Noon-1:30 p.m.: "U.S. Doctrine and Weapons," Ariel Levite, One World Room, and "Soviet Doctrine and Weapons," Matt Evangelista, One World Room.

1:30-3 p.m.: "The European Response to U.S. Nuclear Policy," Jane Sharp, Room 314, and "The Military Draft," Greg King, Edwards Room.

All sessions are free and open to the public.

Art Department

Barbara Crane, School of the Art Institute of Chicago, will show and discuss her recent work at 8 p.m. Tuesday, Nov. 17, in 101 W. Sibley.

Tuesday

Nov. 17, 7 p.m. Moore Library, Gannett Health Center. "How Women Project Weakness in an Interview," Jane Crawford, health careers coordinator. Sponsored by Women in Health Careers. Free and open to the public.

Writing Workshop Walk-In Service

Service is open Mon. through Thurs., 3:30-6 p.m. and 7:30-10 p.m.; Sun., 3-8 p.m.; Service is closed Fri. and Sat. You need no appointment, just drop by during our hours. Phone 256-6349.

Weigh Station

Weight Reduction Classes are held every Thurs., 12 noon-1 p.m. at the Block Building in Barton Hall. Everyone is welcome. If you have questions, call 277-3418 or 257-0853.

Human Ecology Students

Course Enrollment (preregistration) for Spring Term ends Fri., Nov. 13. Memos with information about Course Enrollment can be found on the top of the Human Ecology undergrad mail files in the foyer of MVR. Packets of material will be available in N101 MVR.

Legal Advice or Representation

The Office of the Judicial Advisor provides free legal assistance to students, faculty and staff accused of violating any of the university rules and regulations, i.e., the Campus Code of Conduct, the Statement of Student Rights and the Code of Academic Integrity. All consultations are kept strictly confidential. Call 256-6492 for an appointment or drop by B-12 Ives Hall.

Cornell Aikido Club

The Cornell Aikido Club will sponsor a demonstration of aikido by visiting sensei Masatoshi Morita, a 4th degree blackbelt, at 4 p.m. Sunday, Nov. 15, in the Teagle Hall Wrestling Room. Admission is free.

Weekend Retreat

*Cayuga Nature Center. Focusing on "Judaism Today, World Jewry, Zionism." Featuring guest speakers, semi-

nars, professional Israeli entertainment, bonfire, Israeli dancing and more. Sponsored by Hillel of Cornell, Ithaca College, Binghamton, Syracuse. Retreat will be held from 4 p.m. on Friday, Nov. 13 through 1 p.m., Sunday Nov. 15. Call Hillel Office 256-4227.

Bloodmobile

American Red Cross and Alpha Phi Alpha Fraternity, Inc., Alphe Chapter Bloodmobile in the Straight Memorial Room on Thurs., Nov. 12 from 10 a.m.-3:45 p.m.

Colloquia

Friday

Nov. 13, 3:30 p.m. 251 Malott Hall. Business and Public Administration: "Renaissance II and the Revitalizing of Center Pittsburgh," John P. Robin, chairman, Pittsburgh Urban Redevelopment Authority.

Monday

Nov. 16, 4:30 p.m. 305 McGraw. Anthropology: "Ecological Context of Local Development in Yemen," Frank Young, Rural Sociology.

Thursday

Nov. 12, 4:30 p.m. 105 Space Sciences. Astronomy and Space Sciences: "Aspects of Stellar Explosions," W.D. Arnett, University of Chicago.

Nov. 19, 4:30 p.m. 105 Space Sciences. Astronomy and Space Sciences: "The Organic Clouds of Titan: Recent Voyager and Laboratory Findings," Carl Sagan.

Nov. 19, 7:30 p.m. 101 Bradford Hall. "The Agrobacterium Ti and Ri Plasmids as Vectors for Plant Genetic Engineering," Mary-Dell Chilton, Washington University at St. Louis.

Dance

Asian Drumming and Masked Dance

Asian drumming and masked dance will be presented in a free public program at 8:15 p.m. Friday, Nov. 13, in Cornell University's Barnes Hall.

Leading the performance are two visiting faculty-artists in Asian Studies at the university this year: Monica Bethe, specialist in Japanese Theater, and Endo Suanda, Indonesian dancer and musician.

The first part of the program will be devoted to explanation and demonstration of drumming for the No theater and Sundanese Topeng, with members of the Cornell Gamelan Ensemble as instrumentalists. Then, Bethe will don appropriate masks and dance excerpts from the second act of the drama Kamo: dance of the goddess and dance of the thunder god. Endo Suanda will perform short versions of dances for three different characters: a lively young man, a strong self-confident warrior and a coarse, wild giant-king.

Bethe, daughter of Cornell Professor Hans Bethe and Rose Bethe of Ithaca, has studied in Japan over the past 10 years almost all aspects of No performance, including chant, dance, drums, flute, mask making and costumes. She is co-author of two works with Karen Brazell, professor of Japanese literature at Cornell, and has published several translations from the Japanese.

Endo Suanda, a native of West Java, is an accomplished dancer, musician and mask carver. He taught those arts in Indonesian national academies of performing arts from 1973 to 1977. He was awarded several grants for study in Wesleyan (Conn.) University's World Music Program. His residence at Cornell is supported by the Cornell Council of the Creative and Performing Arts, Southeast Asia Program and Fulbright Scholars-in-Residence Program.

Every Thurs., 8 p.m. Anabel Taylor One World Room. Israeli Folk Dancing.

Exhibits

Olin Library "Ex Libris": book plates designed for Cornellians and others, from elaborate engravings to simple modern designs, through December.

Herbert F. Johnson Museum "The Artisan Community in China." Forty



The St. Paul Chamber Orchestra under the direction of Pinchas Zukerman will play an all Mozart program at 8:15 p.m. today in Bailey Hall. Free bus service, beginning at 7:30 p.m., will be provided between parking lot B and Bailey Hall with a stop at the Dairy Bar.

Gouaches depicting the interiors of Chinese shops in 19th-century Canton, through Nov. 29; "Zarina," handmade paper constructions by a Cornell visiting artist, through Nov. 29; "Schemes: A Decade of Installation Drawings"; "Prints for Purchase," a sale of prints chosen by Barbara Blackwell, assistant curator of prints; "Seventeenth Century Italian Prints from the Sopher Collection"; "Sam Wiener: Metropolitan Container of Art." Museum hours are 10 a.m.-5 p.m. Tuesday through Sunday.

Films

Thursday

Nov. 12, 8 p.m. Uris Hall Auditorium. "Grenada: Nobody's Backyard" (1980). Grenada. This film presents an overview of the methods by which the CIA attempts to destabilize governments deemed contrary to the interests of the U.S.

Friday

Nov. 13, 9:45 p.m. *Uris Hall Auditorium. "Breaker Morant" (1979), directed by Bruce Beresford, with Edward Woodward, Jack Thompson, John Waters.

Friday & Saturday

Nov. 13 & 14, 12 midnight *Uris Hall Auditorium. "Grateful Dead at Radio City" (1980), with Grateful Dead, Al Franklin, Davis, Emcees.

Saturday

Nov. 14, 7:30 & 9:45 p.m. *Uris Hall Auditorium. "Breaker Morant."

Sunday

Nov. 15, 2 p.m. *Uris Hall Auditorium. "The Secret Garden" (1949), directed by Fred M. Wilcox, with Margaret O'Brien, Herbert Marshall, Dean Stockwell. Co-sponsored by the Ithaca Youth Bureau.

Nov. 15, 8 p.m. *Uris Hall Auditorium. "Tokyo Story" (1953), directed by Ozu, with Ryu Chishu, Higashiyama Chieko, Yamamura S.

Monday

Nov. 16, 9 p.m. *Uris Hall Auditorium. "Pather Panchali," (1954), directed by Satyajit Ray, with Kanu Banerji, Karuna Banerji, Subir Banerji. Also shown "Satyajit Ray" (short).

Nov. 16, 9 p.m. "From the Ocean to the Sky" (The 1977 Indo-New Zealand Ganges Expedition) (1979). Main Lounge, International Living Center, North Campus Dorm No. 8. The story of a journey up the Ganges River by water-jet boats, led by Sir Edmund Hillary, the first man to successfully climb Mt. Everest.

Tuesday

Nov. 17, 4 p.m. 106 Morrill Hall. "Land Dyaks of Borneo" and "Nias and Sumatra," 38 and 15 minutes respectively. Sponsored by the Southeast Asia Film Series.

Nov. 17, 8 p.m. *Uris Auditorium. "Lola" (1960) directed by Jacques Demy with Anouk Aimee, Marc Michel, Jacques Harden. Wednesday

Nov. 18, 8 p.m. *Uris Auditorium. "To Have and Have Not" (1944), directed by Howard Hawks, with Humphrey Bogart, Lauren Bacall, Walter Brennan.

Thursday

Nov. 19, 8 p.m. *Uris Auditorium. "Gaslight" (1944), directed by George Cukor with Charles Boyer, Ingrid Bergman, Joseph Cotten.

Friday

Nov. 20, 9 p.m. *Uris Auditorium. 15th International Tournee of Animation (1981)

Saturday

Nov. 21, 7:30 & 9:45 p.m. *Uris Auditorium. 15th International Tournee of Animation (1981)

Friday & Saturday

Nov. 20 & 21, 7:30 p.m. *Statler Auditorium. "Fiddler on the Roof" (1971), directed by Norman Jewison, with Topol, Molly Picon, Leonard Frey.

Nov. 20 & 21, midnight *Statler Auditorium. "Midnight Cowboy," (1969), directed by John Schlesinger, with Dustin Hoffman, Jon Voight, Sylvia Miles.

Sunday

Nov. 22, 2 p.m. *Uris Auditorium. "The King and I" (1956), directed by Walter Lang, with Deborah Kerr, Yul Brunner, Rita Moreno.

Nov. 22, 8 p.m. *Uris Auditorium. "The Flavor of Green Tea Over Rice (Ochazuké No Aji)" (1952), directed by Ozu, with Saburi Shin, Kogure Michiyo, Tsuruta Koji.

Intramural Sports

Fencing (Foil), Men, Women: Deadline on Entries, Monday, Nov. 30, at 4 p.m. in the Intramural Office, Grumman Squash Cts. Bldg, across from Teagle Hall. Tournament begins at 6:45 p.m. Tuesday, Dec. 1, through Friday, Dec. 4, in the Fencing Room, Teagle Hall. Minimum of (6) to enter. Teams: 3 fencers, 1 alternate on deck. Must have at least one semester of training to enter.

Intramural Bowling (Men, Women, Coed): Deadline on entries, Thursday,

Dec. 3, at 4 p.m. in the Intramural Office, Grumman Squash Courts Building, across from Teagle Hall. Play starts Monday, Jan. 25, at Helen Newman Alleys. Monday through Thursday evenings at 9:15 p.m. (Friday only if necessary). Specify preferred day of play (1st, 2nd, 3rd choice) when entering. Minimum of 6 to enter. 4 will constitute a team. Coed: equal number of men and women. Bowling will consist of three shoulder to shoulder games rolled off once a week for nine weeks. There will be a fee of \$66.60 per team to enter, due with roster. Checks only payable to "Helen Newman Bowling." Bowling shoes will be available at the alleys for a slight fee. No refunds after the deadline.

Lectures

Thursday

Nov. 12, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. "The Ode on a Grecian Urn": Structure and Closure." Helen Vendler, Professor of English, Boston University. Sponsored by Department of English.

Nov. 12, 4:30 p.m. A.D. White House Guerlac Room. "Societal Models as Substitute Realities in Literature." Professor Virgil Nemoianu, Chairman, Comparative Literature, Catholic University of America, Washington, D.C. Sponsored jointly by the Department of Comparative Literature and the Society for the Humanities.

Nov. 12, 7:30 p.m. Stimson G-1. Jordan: Natural History Society. "Limnology in the Antarctic." Dr. Gene E. Likens, Ecology and Systematics.

Friday

Nov. 13, 12:15 p.m. 202 Uris Hall. "Family Structure, Female Labor Force Participation, and Marital Fertility in Taiwan." Peter Chi, professor, consumer economics and housing. Sponsored by CISER Group on Life Studies.

Monday

Nov. 16, 4:30 p.m. 165 McGraw Hall. "Bachofen, Burckhardt, and Basel." Lionel Grossman, Princeton University. Sponsored by the Western Societies Program.

Nov. 16 & 23, 7:30 p.m. One World Room. Anabel Taylor Hall. America and World Community: "Micro-Perspective on World Community (Personality & Sex Roles)." Harold Feldman, HD&FS, Margaret Feldman, psychology, Ithaca College. Andre Eggleston, family studies.

Nov. 16, 8 p.m. Hollis E. Cornell Auditorium, Goldwin Smith Hall. "Materials for Mycenaean Writing," Thomas G. Palaima, Fordham University. Sponsored by the Finger Lakes Chapter of the Archaeological Institute of America.

Tuesday

Nov. 17, 4:30 p.m. 242 Goldwin Smith. "Hacia una poetica de lo seez" (in Spanish), Luis Rafael Sanchez, Puerto Rican playwright and novelist.

Wednesday

Nov. 18, 4:30 p.m. 27 East Avenue (A.D. White House). "Poet and Intellectual: Elias Canetti," Dagmar Barnouw, department of German, Brown University. Sponsored by the Department of German Literature, Jewish Studies and the Society for the Humanities.

Nov. 18, 7:30 p.m. One World Room, Anabel Taylor Hall. America and World Community: "Micro-Perspectives on World Community (Personality & Sex Roles)," Harold Feldman, HD&FS; Margaret Feldman, psychology, Ithaca College; Andre Eggleston, family studies.

Nov. 18, 7:30 p.m. Temple of Zeus. "Work in Progress," (bilingual reading), Luis Rafael Sanchez, Puerto Rican playwright and novelist.

Thursday

Nov. 19, 4:30 p.m. Temple of Zeus. "The Crisis of Puerto Rican Culture," panel discussion, in English. Luis Rafael Sanchez, Luce Lopez-Baralt, Arturo Echavarría, Gloria Waldman, Enrico Mario Santi.

Nov. 19, 7:30 p.m. G-1 Stimson Hall. "Adaptations of Snakes for Feeding on Large Prey," F. Harvey Pough, Ecology & Systematics. Sponsored by the Jordani Natural History Society.

Friday

Nov. 20, 12:15 p.m. 202 Uris Hall. "Time Devoted to Housework-Change Over the Past 50 Years," Keith Bryant, professor, consumer economics and housing. Sponsored by CISER Group on Life Studies.

Meetings

Tuesday

Nov. 17, 12:15 p.m. B-8 Roberts Hall. Employee Assembly.

Thursday

Nov. 19, 5 p.m. 202 Uris Hall. Student Assembly.

Every Tues., 9 p.m. Hug Ivri-Hebrew Club meeting. Speakers of Hebrew at all levels welcome. For more information, call Michael at 277-2168.

Every Sun., 7:30 p.m. Anabel Taylor 314. The Anthroposophy Study Group will take up the topic "The Spiritual Science of Rudolf Steiner." Everyone welcome. For more information call 277-1459 or see the secretary in Anabel Taylor Hall.

Every Thurs., 7:15 p.m. Willard Straight 207. Gay PAC business meeting followed by 8 p.m. discussion. Different topic each week.

Music

Chorus to Present Fall Concert

The Cornell University Chorus under the direction of Thomas A. Sokol will present its Fall Concert at 8:15 p.m. Saturday, Nov. 14, in Sage Chapel. The hour-long concert is free and open to the public.

A wide variety of music will be performed by the 70-member women's ensemble, including a Spanish Renaissance motet by Morales, a Russian work by Rimski-Korsakov, and German and English madrigals.

Also included will be four Japanese haiku from Persichetti's Winter Cantata, canons by Gustav Holst, two choruses from M'bevrashua composed by Cornell graduate Brian Israel and Serenity by Charles Ives.

Graduate student David Conte is assistant conductor. Gretchen Horlacher, a sophomore, is accompanist. Sokol is professor of music at Cornell and director of choral music.

The membership of the Cornell Chorus is drawn from the Cornell and Ithaca communities.

Pianist Rudolf Serkin to Play

Pianist Rudolf Serkin will appear in concert at 8:15 p.m. Wednesday, Dec. 2, in Bailey Hall. Serkin will perform works by Beethoven, Brahms and Schubert.



Viola da gambist Mary Cyr (left) and harpsichordist John Grew will join Cornell's baroque violinist Sonya Monosoff in concert at 8:15 p.m. Friday, Nov. 20, in Barnes Hall. Guest artists Cyr and Grew reside in Canada and teach at McGill University. The Friday night concert is the first of three free concerts scheduled for next weekend under the auspices of the Department of Music. In addition to the Friday night concert, the Cornell Symphony will give its fall concert at 8:15 p.m. Saturday (Nov. 21) in Bailey Hall and the Cornell Collegium Musicum will perform at 4 p.m. on Sunday (Nov. 22) in Barnes Hall.

A limited number of tickets for the concert are now on sale beginning Monday, Nov. 16, at the Lincoln Hall Ticket office. 256-5144.

Serkin was born in Bohemia (now Czechoslovakia) in 1903 and was educated in Vienna where he studied piano with Richard Robert and composition with Joseph Marx and Arnold Schoenberg. At the age of 12, he made his debut with the Vienna Symphony. At the age of 17 he began concertizing with a Berlin debut under Adolf Busch.

He made his first appearance in the United States in 1933 and his formal debut in New York with Toscanini and The New York Philharmonic in 1936. Since then he has toured the United States annually and has made regular tours of Europe, appearing in recital with chamber ensembles and with all of the major orchestras.

Serkin participates in the Marlboro Festival and School of Music where he is president and artistic director. He has served on the Carnegie Commission on Educational Television and has been a member of the National Council on the Arts. He is a member of The American Academy of Arts and Sciences.

Serkin has been awarded honorary degrees as Doctor of Music from Curtis Institute, Harvard University, Williams College, Temple University, University of Vermont, Oberlin College, Marlboro College and the University of Rochester. He taught at Curtis Institute in Philadelphia from 1939 to 1975 and was director from 1968 to 1975.

In addition to his Cornell appearance, Serkin will perform in Carnegie Hall, Kennedy Center, Symphony Hall in Boston, Toronto, Los Angeles, San Francisco, Dallas and the University of Texas at Austin. He will also give a recital in St. Paul, Minn., for the benefit of the Louise Whitbeck Fraser School.

For the Dec. 2 concert at Cornell, free bus service, beginning at 7:30 p.m., will be provided between parking lot B and Bailey Hall with a stop at the Dairy Bar.

Thursday

Nov. 12, 8:15 p.m. *Bailey Hall, St.

Paul Chamber Orchestra, Pinchas Zukerman, conductor and violin soloist.

Friday

Nov. 13, 8:15 p.m. Barnes Hall. Lecture-Demonstration, Endo Suanda, Indonesian Topeng, and Monica Bethé, Japanese No: "Drumming for Asian Masked Dance."

Nov. 20, 8:15 p.m. Barnes Hall. Baroque Music. Sonya Monosoff, baroque violin; Mary Cyr, viola da gamba; John Grew, harpsichord. Works of Buxtehude, Bach, Duphy, Couperin.

Saturday

Nov. 14, 8:15 p.m. Sage Chapel. Cornell Chorus, conducted by Thomas A. Sokol. Works of Morales, Rimsky-Korsakov, Israel; German madrigals.

Nov. 21, 8:15 p.m. Bailey Hall. Cornell Symphony Orchestra, conducted by Edward Murray, Ray Kretschmer, piano soloist. Works of Schumann, Brahms.

Sunday

Nov. 22, 4 p.m. Barnes Hall. Cornell Collegium Musicum, directed by John Hsu. Renaissance and Baroque music of France.

Monday

Nov. 16, 8:15 p.m. Barnes Hall. "Evening of Russian Poetry, Music and Dance," featuring the Cornell Russian Choir. Solos and duets from Glinka, Tchaikovsky, Mussorgsky; Juliet's Dance from Prokofiev's Romeo & Juliet; selections from Mussorgsky's Pictures from an Exhibition. Sponsored by the Department of Russian Literature.

Religion

Friday

Nov. 13, 7:30 p.m. Loft 1, Willard Straight Hall. "How to Know You're in Love," Campus Crusade for Christ.

Nov. 13, 8 p.m. Founders Room, Anabel Taylor Hall. "On Being a Christian and a Lawyer," Roy V. Herron, adjunct professor at Vanderbilt Univ. and ordained minister. Cornell Graduate Christian Forum.

Saturday

Nov. 14, 10:30 a.m. The Forum, Anabel Taylor Hall. "Using Law to Improve

ganization Testimony Meeting. Faculty and students welcome.

Seminars

Atomic & Solid State Physics: Solid State Seminar: "Josephson Junctions at Bell Laboratories: Past and Present," T. Fulton, Bell Laboratories, 4:30 p.m. Tuesday, Nov. 17, 700 Clark Hall.

Atomic & Solid State Physics: Theory Seminar: Title to be Announced, H. Sompolinsky, Harvard University, 1:15 p.m. Thursday, Nov. 19, 701-702 Clark Hall.

Boyce Thompson Institute: "Gypsy Moth: The Problem and the Role of Microbials in Integrated Pest Management," Franklin B. Lewis, Northeastern Forest Experiment Station, 3:15 p.m. Wednesday, Nov. 18, BTI Auditorium.

Biochemistry: "Molecular Biology of Transforming Genes from Non-Virus Induced Tumors," Robert A. Weinberg, MIT, 4:30 p.m. Friday, Nov. 13, 204 Stocking Hall.

Biochemistry: "Denaturation, Renaturation, and Reconstitution of Bacteriorhodopsin," Erwin London, MIT, 12:20 p.m. Monday, Nov. 16, 125 Riley Robb.

Biochemistry: "Phosphorylation of the Acetyl Choline Receptor," Adrienne Gordon, Univ. of Calif. Med. School, 12:20 p.m. Thursday, Nov. 19, 125 Riley Robb.

Boyce Thompson Institute: "Use of Synthetic Oligonucleotides as Probes for Gene Identification," K. Itakura, National Med. Center, 3:15 p.m. Thursday, Nov. 19, BTI Auditorium.

Center for Applied Mathematics: "Chaos in a Petri Dish: Nonlinear Dynamics of a Cardiac Oscillator," Leon Glass, McGill University, 4 p.m. Friday, Nov. 13, 165 Olin Hall.

Center for Applied Mathematics: "Percolation and Flow Through Random Networks," Geoffrey Grimmett, Bristol University, 12:20 p.m. Monday, Nov. 16, 245 Olin Hall.

Chemical Engineering: "Rheology of Concentrated Suspensions of Long Fibers," R.C. Armstrong, MIT, 4:15 p.m. Wednesday, Nov. 18, 145(A) Olin Hall.

Ecology & Systematics: "Energetics of Foraging," Larry L. Wolf, Syracuse University, 9:05 a.m. Friday, Nov. 13, 163 Morrison Hall.

Ecology & Systematics: "The Relevance of Energetics to the Competitive Interactions Between Placentals and Other Mammals," Brian K. McNab, University of Florida, 9:05 a.m. Monday, Nov. 16, 163 Morrison Hall.

Ecology & Systematics: "The Scaling of Rate of Metabolism and Temperature Regulation in Endotherms: Plants and Animals," Brian K. McNab, The University of Florida, 4 p.m. Tuesday, Nov. 17, 156 Goldwin Smith.

Ecology & Systematics: "Habitat and Microhabitat in the Conifer Woodlands of Oregon's Siskiyou Mountains," Mark Wilson, 4:30 p.m. Wednesday, Nov. 18, Langmuir Penthouse.

Floriculture & Ornamental Horticulture: "Water Stress in Woody Plants," Betsey Wittick, 12:15 p.m. Thursday, Nov. 12, L.H. MacDaniels Room, 37 Plant Science.

Floriculture & Ornamental Horticulture: "Ectomycorrhizae and Woody Ornamentals," Larry Rupp, 12:15 p.m. Thursday, Nov. 19, L.H. MacDaniels Room, 37 Plant Science.

Food Science: "Applicability of the Arrhenius Temperature Law to Prediction of Reaction Extent in Foods Undergoing Temperature Fluctuations," Theodore P. Labuza, University of Minnesota, 4:30 p.m. Tuesday, Nov. 17, 204 Stocking Hall.

General Chemistry: "Alcohol Dehydrogenase(s) and Alcohol(ism)," Bert Ballee, Harvard Medical School, 4:40 p.m. Thursday, Nov. 19, 119 Baker Lab.

Institute for Comparative and Environmental Toxicology/Boyce Thompson Institute: "The National Park Service and the Clean Air Act," James P. Bennett, National Park Service, 9 a.m. Tuesday, Nov. 17, 212 Fernow. Bennett will also speak on "The Role of Vegetation Effects Research in Determining Air Pollution Policy," at 4 p.m. that day in 304 Fernow, and on "Protecting

Critical Areas from Air Pollution Threats: The Role of the Public Resource Manager, at 9:05 a.m. Wednesday, Nov. 18, 208 West Sibley.

JUGATAE: "Food Plant Selection by the Goldenrod Leaf Beetles: Comparison of Beetle Foraging and Host Quality," Frank Messina, 4 p.m. Monday, Nov. 16, 100 Caldwell Hall.

Materials Science & Engineering: "Metal-Silicon Interactions Studied by a Radioactive ³¹Si Marker Technique," R. Pretorium, Southern Universities Nuclear Institute, 4:30 p.m. Thursday, Nov. 12, 140 Bard.

Materials Science & Engineering: "Energy Dispersive X-ray Diffraction at High Pressure in CHESS," A.L. Ruoff, 4:30 p.m. Thursday, Nov. 19, 140 Bard.

Microbiology: "Caulobacter crescentus: Modulation of Cellular Differentiation in Steady-State Populations," J.S. Poindexter, the Public Health Institute of the City of New York, 4:30 p.m. Thursday, Nov. 12, 124 Stocking Hall.

Microbiology: "C1 Intermediates in Methanogenesis," J. Romesser, DuPont Co., 4:30 p.m. Thursday, Nov. 19, 124 Stocking.

Neurobiology & Behavior: "Polymorphism in the White-Throated Sparrow," Richard Knapton, Brock University, 12:30 p.m. Thursday, Nov. 12, Langmuir Lab. Penthouse.

Neurobiology & Behavior: "Prolactin Secreting Pituitary Adenomas: Correlation of Clinical and Laboratory Characteristics," Isabelle Richnond, Letterman Army Med. Center, 12:30 p.m. Thursday, Nov. 19, Langmuir Lab. Penthouse.

Nutritional Surveillance: "Evaluation of Agricultural and Rural Development Projects in Terms of Social Impact," Dennis Casley, World Bank, 12:30 p.m. Thursday, Nov. 19, 100 Savage.

Operations Research: "A Model for Managing Consumer Credit," 4:30 p.m. Friday, Nov. 13, 305 Upson.

Operations Research: "An Application of Integer Programming to Class Scheduling with Extensions to Sensitivity Analysis," Linus Schrage, University of Chicago, 4:30 p.m. Tuesday, Nov. 17, 305 Upson.

Physiology: "Neurotransmitter Chemistry of Retinal Efferents in the Horseshoe Crab Limulus Polyphemus," B.A. Battelle, NIH, 4:30 p.m. Tuesday, Nov. 17, G-3 Vet. Res. Tower.

Plant Biology: "New Insight Into the Structure and Development of Rhizosphere in Corn," Margaret McCully, Carleton University, 11:15 a.m. Friday, Nov. 13, 404 Plant Science.

Plant Pathology: "Genetic Analysis of Cucumber Mosaic Virus," M. Edwards, and "Plasmids of Erwinia herbicola—Some Functions," B.V. Gantotti, 4:30 p.m. Tuesday, Nov. 17, 404 Plant Science Building.

Pomology: "Nurturing Scientific Creativity," N.L. VanDemark, 11:15 a.m. Monday, Nov. 16, 114 Plant Science Bldg.

Southeast Asia Program: "Cambodia: Three Years Later," Stephen R. Heder, 12:20 p.m. Thursday, Nov. 12, 102 West Ave.

Statistics: "Graphical Methods in Non-Parametric Statistics," Nicholas L. Fisher, CSIRO, 3:15 p.m. Wednesday, Nov. 18, 105 ILR Conference Center.

Vegetable Crops: "A Look at Long Island Agriculture," J.B. Siczka, LIHRL, 4:30 p.m. Thursday, Nov. 12, 404 Plant Science.

Vegetable Crops: "A Study of the Potato Tuberculosis Stimulus as Expressed in Stem Cuttings," B. Kahn, 4:30 p.m. Thursday, Nov. 19, 404 Plant Science.

Western Societies Program: "Labor Unions and Bargaining in France," Martin Schain, New York University, 12:15 p.m. Friday, Nov. 13, 488 Urin Hall.

Sports

Friday
Nov. 13, 7:30 p.m. *Schoellkopf. Men's Varsity Soccer-Columbia.

Saturday
Nov. 14, 1:30 p.m. *Schoellkopf. Men's Varsity Football-Columbia.

Theater

Thurs. through Sat.
Nov. 12-14, 8:15 p.m. *Straight Theatre. Frank Wedekind's "The Awak-

ening of Spring." Attacks the assumption that ignorance and innocence are the same thing, showing the heartbreak that can result when children are brought up in ignorance of their sexuality.

Thurs. through Sun.
Nov. 12-15, 8:15 p.m. *Risley Theatre. Risley Theatre presents Eugene O'Neill's "The Great God Brown." Tickets on sale at Straight Ticket Office and at the door.

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Nov. 19-21, 8:15 p.m. *Risley Theatre. Risley Theatre presents Eugene O'Neill's "The Great God Brown." Tickets on sale at Straight Ticket Office and at the door.

Nov. 19-21, 8:15 p.m. *Straight Theatre. Frank Wedekind's "The Awakening of Spring." Attacks the assumption that ignorance and innocence are the same thing, showing the heartbreak that can result when children are brought up in ignorance of their sexuality.

Nov. 19-21, 8:15 p.m. *Drummond Studio. Theatre Cornell presents "Sand Dancing" by Kenneth Pressman. A new play, to be directed by Robert Moss, Producing Director of the off-off-Broadway theatre, Playwrights Horizons.

Sunday
Nov. 22, 8:15 p.m. *Drummond Studio. Theatre Cornell presents "Sand Dancing" by Kenneth Pressman. A new play, to be directed by Robert Moss, producing director of the off-off-Broadway theatre, Playwrights Horizons.

Barton Blotter

A 17-year-old male freshman student was hospitalized early Friday morning with severe alcohol poisoning following a fraternity party.

Safety personnel were called to Delta Epsilon fraternity about 3:30 a.m. They were unable to revive the unconscious youth who was taken immediately by ambulance to Tompkins County Hospital. According to Safety, he had a blood alcohol content of .41 percent; .40 percent is considered lethal.

The youth was released from the hospital late the following day, according to Safety. The incident is being investigated by university officials.

Safety reported no new developments in the rape incident reported in last week's Barton Blotter.

Larceny continued to be the most prevalent offense on campus with the Grumman Squash Courts a favorite target of thieves.

According to Captain Daniel Murphy, thousands of dollars in personal possessions and clothing have been stolen this fall from the hallway of the courts, left by players competing in the courts. More than \$300 in clothing and athletic equipment were taken from two players about 5:30 p.m. Saturday.

From Nov. 2 through Nov. 8, some 35 thefts were reported on campus involving more than \$4,500 in losses. The largest single loss was \$922.50 in bond certificates taken from the Learning Center in Rockefeller Hall. An opal pendant worth \$800 was reported stolen from Room 1411 of Statler Hall.

Other thefts involved wallets, clothing and various kinds of knapsacks and book bags, usually left unattended. Two fire extinguishers and one bike were also reported stolen.

Four individuals were referred to the Judicial Administrator for either stealing or tampering with parking permits.

Graduate Bulletin

Check the Fellowship Notebook in your graduate faculty representative's office or at the Fellowship Office for information on the awards whose deadlines are listed below. Unless otherwise stated, prospective applicants must ob-

tain applications directly from the agency concerned.

Applications for the 1982 National Science Foundation Graduate Fellowship competition have been requested by the Fellowship Office, 116 Sage Graduate Center. The deadline for both programs is December 18, 1981. See the article elsewhere in this issue for details.

Applications for continuing graduate students for 1982-83 Cornell Graduate School Fellowships will be available at the Fellowship Office beginning in December.

REMINDER: Graduate students who received the "Graduate/Professional Student Expense Survey for the 1981-82 Academic Year" are reminded to return their completed questionnaires to the Fellowship Office, 116 Sage Graduate Center, by Friday, November 13, 1981.

Dec 1: American Political Science Association Congressional Fellowship Program — This program provides opportunities for young and mid-career political scientists to learn more about the legislative process by working as congressional aides for nine months. Applicants must have completed the Ph.D. within the last 15 years or must be near completion. The award provides a stipend of \$14,400 and a travel allowance. Awards may be supplemented from other sources at the Fellow's initiative.

Dec 4: Washington Center for Learning Alternatives (WCLA) — This is intended for graduate and professional degree candidates in business, economics, law, political science, and public administration. It provides 6 month internships in Washington, with a minimum stipend of \$800 per month. The Fellowship Office has a small supply of applications.

Dec 11: Belgian American Educational Foundation (BAEF) Fellowships — These awards are for study in areas particularly well-suited and germane to Belgium. Applicants must be U.S. citizens who are under 30 years old. They must have speaking and reading knowledge of French and/or Dutch. They must be working on a Ph.D. or equivalent degree. Applications must be submitted to the Fellowship Office. The university may nominate only one candidate.

Dec 15: American Psychological Association Minority Fellowship Program — This program is open to American citizens and permanent residents including (but not limited to) those who are Black, Native American, Hispanic, Japanese, Chinese, Korean, Filipino, Samoan, Hawaiian, and Guamanian. They must show an interest and commitment to careers in mental health, research, and/or service concerning ethnic and racial minorities. Applicants must be working toward a doctorate in psychology. Awards are made on a cost-sharing basis with the graduate department. They provide tuition, maintenance allowance, books/supplies allowance, and an allowance for other related expenses.

Students planning to complete requirements for a January degree are reminded that the deadline for meeting all requirements is January 15, 1982. Students should keep in mind that the Graduate School office will be closed Christmas week and New Year's.

Sponsored Programs

The Office of Sponsored Programs, 123 Day Hall, 6-5014, wishes to emphasize that the information in this column is intended for post-doctoral research unless otherwise indicated

INTER-AMERICAN FOUNDATION-DOCTORAL FELLOWSHIP PROGRAM

Each year the Inter-American Foundation awards about 15 fellowships for doctoral dissertation in Latin America and The Caribbean. Candidates must have fulfilled all degree requirements other than the dissertation before they travel overseas. Each fellow must establish a formal affiliation with a Latin American or Caribbean institution which shares his or her research interests. Application forms may be obtained by writing: Doctoral Fellowship Program, Inter-American Foundation, 1515 Wilson Boulevard, Rosslyn, Virginia 22209. Applications are due by December 5, 1981. Awards will be announced by April 5.

NATIONAL SCIENCE FOUNDATION

New classes of Awards in History and Philosophy of Science. In order to make the most effective use of limited funds, the National Science Foundation announces the establishment of two new classes of awards: (1) A Summer Scholars Award consisting of awards up to \$6,000 for partial support of full time summer research and/or related costs; (2) An NSF Scholars Award consisting of awards up to \$25,000 for partial support of one or more semesters of full time academic year release time and related expenses. These grants are intended to support the needs of historians and philosophers of science for more sustained periods of research.

Proposals may be submitted through normal institutional channels by any qualified member. The proposal should have the same format as normal research proposals. Principal investigators may apply for only one kind of award at a time. Proposals may be submitted at any time. However, awards will be announced once this year within six months after the target receipt date of December 1, 1981.

In future years, it is hoped that there will be two target dates, September 1 and February 1. If there are any questions about these new awards, contact: Dr. Ronald J. Overmann, (202) 357-9677. Additional information about proposal submission and forms is available in the Office of Sponsored Programs, 123 Day Hall.

ED SET FISCAL 1982 DIRECT GRANT PROGRAM APPLICATION DEADLINES

Application closing dates for fiscal 1982 direct grant programs administered by the Department of Education have been set. A number of direct grant programs have been left out of the notice. The programs omitted include programs consolidated into a block grant by the Education Consolidation and Improvement Act of 1981. Closing date announcements for the programs not included in this notice will be published at a future date.

The Ed notice is in two parts. Part I includes, in chronological order, the list of all closing dates covered by this notice. The application deadlines, which run from November 6, 1981, to April 20, 1982, are for the following programs: personnel preparation and student research for education of the handicapped; rehabilitation engineering and research and training centers; international education; handicapped children's early education; National Institute of Handicapped Research research projects; Indian education; bilingual education projects, vocational instructor training, support services, school of education projects, desegregation support, demonstrations, and materials development; college library resources; media research and training; and migrant education. Part II provides the individual application notice for each program, in the same order as the dates listed in Part I.

The budget estimates in the individual application notices are based on the

revised fiscal 1982 budget request and are subject to change by Congress. The fiscal 1982 notices for Ed's direct grant programs are included as Part 2 of this Report.

DEPARTMENT OF EDUCATION DIRECT GRANT PROGRAM DEADLINES

The Department of Education has released the postmark deadlines for applications to their direct grant programs in fiscal year 82. The following programs of possible interest include the deadline and a contact for application information.

Fulbright-Hays Training Grant - November 20: for Group Projects Abroad and Foreign Curriculum Consultants, contact Mr. Ralph Hines (202) 245-2794; and for Faculty Research Abroad, contact Mr. John Paul 245-2794.

Field Initiated Research for education of the handicapped - December 7: Contact Max Mueller (202) 245-2275.

Handicapped Children's Early Education - December 10: Contact Ms. Jane DeWeerd (202) 245-9722.

Foreign Language and Area Studies National Resources Centers and Fellowship Program, noncompeting continuation projects - December 15: contact Joseph Belmonte (202) 245-2356.

Media Research, Production, Distribution, and Training Grant - December 16: contact Dr. John Tringo (202) 472-4640.

DEADLINE REMINDERS SOCIAL SCIENCE RESEARCH COUNCIL

Postdoctoral Grants for International Research - December 1, 1981, receipt.

NATIONAL INSTITUTE OF JUSTICE

Postmark deadlines for competitive research in Crime Control Theory - December 5, 1981, First Cycle. Classification, Prediction and Methodology Development - December 18, 1981, First Cycle.

U.S.-ISRAEL BINATIONAL SCIENCE FOUNDATION

Research and young Scientist award - December 1, 1981.

NATIONAL ENDOWMENT FOR THE HUMANITIES

Youth Programs - December 1, 1981, preliminary proposal.

AMERICAN ASSOCIATION OF UNIVERSITY WOMEN

American Dissertation and Post-doctoral Research Fellowships - December 15, 1981.

AMERICAN COUNCIL OF LEARNED SOCIETIES

Grants for East European Studies: Grants for research on Chinese Civilization: December 1, 1981.

Grants-in-Aid - December 15, 1981, deadline. For all ACLS programs a letter of inquiry is required for receipt of application forms.

AMERICAN PHILOSOPHICAL SOCIETY

Postdoctoral Research and Grants-in-Aid - December 4, 1981.

AMERICAN RESEARCH CENTER IN EGYPT, INC.

Postdoctoral research fellowships in Egyptology, archaeology, and history, the humanities, the social sciences - November 30, 1981.

GERMAN ACADEMIC EXCHANGE SERVICE

Learn German in Germany Program - December 15, 1981.

GERMAN MARSHALL FUND OF THE U.S.

Fellowship Program - November 30, 1981.

DEPARTMENT OF TRANSPORTATION

January 15 receipt date for FY 1982 program of University Research.

Bulletin of the Faculty

October 14, 1981
110 Ives Hall

The incumbent Speaker, Russell D. Martin, called the meeting to order at 4:35 p.m., 59 members and a number of visitors were in attendance. He called on Professor Donald F. Holcomb, Physics, for an announcement.

1. ANNOUNCEMENT RE COMMITTEE TO STUDY COMPOSITION AND PROCEDURES OF THE BOARD OF TRUSTEES

Professor Holcomb said that last spring the Board of Trustees authorized its chairman to appoint a committee to study the composition and procedures of the Board of Trustees. That committee is chaired by Austin Kiplinger with the other members being retired Trustees, and including Professor Holcomb as a retired Faculty Trustee. This committee will be meeting on campus on October 28 and 29. On October 28 at 2:30-4:00 p.m. hearings will be held to receive comments from the faculty. Employees and students will also have an opportunity at other specific times to speak to the committee about the operation of the Board of Trustees and its membership.

Professor Holcomb gave some background for the committee's existence and began by reading the charge: "It will be the committee's mandate to review and evaluate and make recommendations for improving the effectiveness of the Board of Trustees in all respects. It is anticipated that the committee's studies will include but not be limited to the following: Board membership - to review all aspects of the size, composition, method of selection for the Board's membership including their dedication to the interests of the University as a whole, diversity as to experience and expertise, diversity as to age, sex, race and cultural background, geographical diversity and the status of the Emeritus or honorary members, and to review the Board's organizational structure and rules of procedure as reflected in the University Bylaws and applicable general law."

Professor Holcomb said the present composition of the Board of Trustees is 62 members, not because of a decision that its composition should be a certain number, but given the accretion in response to various political and campus needs at various times through history. Faculty members should be interested because there are five Faculty members on the Board of Trustees and whether they fulfill an important function or not is something which Faculty can make some judgment about. He urged Faculty who have any opinions or points of view to put forward before that committee on October 28, to get in touch with him and he would arrange that they be heard.

The Speaker said the one item of business that did not get on the agenda that was distributed and hence would require unanimous consent of the body to add it to the agenda is the election of a Speaker, which is an annual event at the first meeting as an agenda item. It was so ordered, and the Chair turned the meeting over to Dean of the Faculty, Kenneth Greisen.

2. ELECTION OF A SPEAKER

Dean Greisen said that the Speaker serves for one year and can be re-elected, and that the floor was open for nominations. Professor John P. Windmuller, I&LR, nominated Russell Martin for another term as Speaker, adding that he has served this body well. There being no further nominations, Dean Greisen declared Russell Martin elected as Speaker unanimously.

The Speaker thanked the body, adding that the competition has not increased since a year ago.

Speaker Martin called on Provost W. Keith Kennedy for a report concerning the budget and indicated that any other questions which the body would like to ask, the Provost would also be glad to answer.

3. REMARKS CONCERNING THE 1982-83 BUDGET

Provost Kennedy began: "It is a pleasure to meet with you occasionally, although talking about the budget is not the most exciting thing that happens on the

campus. Before I start, I want to recognize the very able and continuing hard work and leadership that Jim Spencer provides as Vice Provost. He has primary responsibility for the development of the budget, along with the individuals in the Budget Office, and much of what I will be reporting represents his work along with the FCR Budget Committee, and we hope within the near future the active participation of the Assembly Committee on Budget Policies. We also should acknowledge the credit due to all of the deans, especially several of the endowed deans as we worked on developing a budget for 1982-83.

"Let me back up a moment and start with 1981-82 because budget information in these days is a continuing process constantly undergoing revision and you can't just abruptly start at the beginning of one year on the assumption that everything is past. The 1981-82 budget as presented to the Trustees in May of this year had a number of deficiencies including a less than the desired allocation of funds for salary improvement for faculty and staff and, of course, a higher tuition than many of the students felt reasonable. In addition to these deficiencies, it only had an 11% increase for acquisitions for the library at a time when inflation rates for library materials is closer to 20 or 22 percent. It also had very little funds for much needed building renovations, replacement for worn out or outmoded equipment, and a less than adequate contingency of \$700,000. To you and me that's a lot of money, but when it represents less than one percent of the budget and when we have cast as a shadow upon us a potential demand of at least \$800,000 of additional financial aid for students for this year, that \$700,000 contingency could conceivably have been a negative one before we even started the year. Nevertheless, even though we were very fearful that we would find it difficult to operate within the expected levels of income, we presented the budget to the Trustees with sort of a firm conviction and a rather loud voice that it was balanced.

"Fortunately, several happenings during the past four months have improved the outlook for 1981-82. The return on the short-term investments has been higher than we anticipated - interest rates have stayed up and this has had a positive influence as far as our income is concerned for the short-term. Increases in the New York State Tuition Assistance Program were provided which helped to offset for 81-82 the loss in federal student aid. Our expenditures for utilities during 1980-81 were also somewhat less than anticipated, especially for electricity and heat. This is a result of a number of factors. First is the cooperation and dedication many faculty and students and other employees have shown in trying to conserve energy in a variety of ways. We also have made energy conservation improvements. Our people claimed those would yield such and such a savings, but perhaps because we've heard before the check is in the mail, we were a little hesitant about projecting too many savings. We did have another very unexpected occurrence in the oil glut, which again we all recognize as being temporary, in that we were able to fill our tanks with slightly more than 50 cent per gallon oil when we were projecting expenditures of close to a \$1.00 a gallon. We also have about 75 more students on campus than we had predicted. While that brings in additional income in the form of tuition, it also increases expenses for financial aid, additional class sections and additional student services.

"On the negative side during the past few months, we have 'discovered', I guess that's a better way of saying we've been made painfully aware, that the cost of providing health benefits is increasing at a very rapid rate. We had made projections based upon past increases, but we had to allocate approximately \$400,000 of additional funds from last year's budget and we're faced with a \$700,000 increase for the current year over expected costs. This increase in health insurance has made a deep inroad

in our margin of safety. The prudent action would probably have been to hold tight and not make any more commitments. We felt, however, that since our library system had been suffering a great deal already and faced further deterioration in terms of not being able to keep up with acquisitions, it was prudent to allocate \$200,000 additional to the library budget thereby moving it from an 11% increase to approximately a 22% increase. I must admit that a very small amount, perhaps \$10-15,000 of the \$200,000 might be utilized to increase the library hours, although we hope to accomplish most or all of those increased hours from other funds.

"If I might summarize then, the University did end with a balanced budget for 80-81, but we continue to have many unmet needs during the current year. These include inadequate provision for renovating classrooms and outmoded laboratories, for replacing equipment and the list goes on and on. We also recognize that we still do not have the salary program for faculty and staff that you deserve and that we would like to have.

"This brings us to the development of the 82-83 budget. As Dean Greisen pointed out in the call to the meeting, it is in a very preliminary state at this

"We still do not have the salary program for faculty and staff ... we would like to have..."

W. K. Kennedy

point in time, but we are attempting to discuss with members of the community in greater detail than we have in the past some of the assumptions we will use in establishing it. The primary assumption is projecting inflation and that I'm sure is a no win situation. We have estimated inflation to be 10%, 9% and 8% - for the next three years. I should emphasize that we are now working on a three-year budget plan to a much greater extent than we have in the past. So we start with that inflation figure and from that we make our other assumptions. For example, for the maintenance of facilities and repairs we are projecting two points above the inflation rate - 12%, 11% and 10%. Energy costs, we are assuming to be a 12% increase on a flat basis, on the premise that while energy costs probably will continue to move up, we will be receiving a benefit from the investment we have made to convert to coal, to install storm windows, to do more insulation, and other energy conservation practices. Library costs, we kept at a flat annual increase of 15%. Again, we recognize at the present time, that this is not adequate, but at least it is reasonable in relation to other institutions. Moreover, looking at all of the demands, we feel that it is a realistic allocation - ever aware that we need to have an aggressive fund-raising program for the library and also be ready to take advantage of any opportunities we have such as this year to make additional allocations to the libraries.

"We have set our target compensation for faculty and staff at two points above inflation or 12%, 11% and 10% for the next three years. It's our assessment that we're about 6% behind the 75th percentile of salaries for our peer institutions. Now this varies enormously from field to field, but looking across the University, that is a rough estimate, based upon comparative salary studies. Assuming for a moment, and I recognize that it's a dangerous assumption, that other universities might adjust their compensation levels more nearly to the rate of inflation, then two percent above inflation would give us a chance to gain. I could argue quite persuasively, with myself at least, that since university salaries have in general lagged behind inflation throughout the United States, that other institutions also will be trying to do better than inflation if they possibly can, and therefore there may not be any

gain in relation to our peer institutions. At least if we can make a gain on inflation that would be somewhat better than we have done in the past.

"Finally we have set undergraduate financial aid, and I'm going to come back to that later because it's extremely important and also an expensive item, at an increase seven percentage points above inflation - or 17%, 16% and 15% for the next three years, and graduate aid at 12%, 11% and 10%.

"When we look on the income side we are assuming that annual giving and other income related to giving will continue to increase at the rate of inflation, 10%, 9% and 8% and that the return on the long-term investments will increase 5% per year. Let me emphasize that is not the rate of return we expect on the long-term investments but rather that our income from our endowment without adding to the endowment will increase by 5% per year. Our increase in return on the short-term investment is projected as zero for each of the years. If interest rates come down, our return on our short-term investment could in fact decrease. Again these are not the rates but how much more money we expect from short-term investment next year than this year.

"For Bundy money, State support to private institutions of higher education, which has become increasingly important for the endowed colleges, we expect zero increase the first year because there was an adjustment a couple of years ago. We are, however, projecting a 12% increase in 1983-84, which is about the amount of past increases at periodic intervals.

"I've left for last tuition and tuition-related income because of its great importance as far as the total income is concerned. Ideally we would like to keep the increase in tuition at a rate no greater than inflation, which would be the 10%, 9% and 8%. This does not appear to be possible because using the assumptions I've outlined on different costs and different incomes, we would have a deficiency of approximately three million dollars in 82-83, nearly five million in 83-84 and slightly more than eight million in 84-85. Even though we're predicting a downward trend in inflation, costs are such that to hold tuition equivalent to inflation will not be possible. One of the reasons, of course, is that the return on investments has not been keeping up with inflation and probably will not. We've also been hard-pressed to maintain annual giving equal to the rate of inflation.

"During the past several months, we've reviewed each of our assumptions for inflation, investment income, utility costs, and others, and we've decided, for the moment, that we will stay with 10, 9, 8% for inflation, but that we can see increasing the income from investments by a modest amount for 82-83 and that we can reduce utility costs below the projected 12% increase, especially for 82-83. By making these adjustments we would still have an unbalanced budget but it is at least a little more manageable. We are looking at still other ways of bringing the budget into a balance. One way is to reduce the compensation pool from the projected two points above inflation to one point above inflation with the hope and expectation that schools and the colleges would be able to make internal adjustments and reallocations to yield an additional one percent, so that overall there would still be the 12% increase available for compensation.

"Another way is to explore alternative health insurance programs that would give us protection against major expenses but still provide a more favorable premium rate or, perhaps, alter the benefits so that the individual might carry a little higher deduction before expenses are covered, but still preserve a fine program in regard to handling major health expenditures.

"I've already mentioned that we feel that we can still further reduce the projected allocation for utilities in 82-83 and the years beyond when the full effects of our conversion to coal take

hold and the hydro-electric power station is in place.

"Another factor or item that we've been wanting to dispose of but feel that we cannot is the two percent mandatory savings for academic units and the three percent savings for non-academic units. Theoretically such savings are not painful but having been a dean I can assure you that they are. In theory, at least, when you predict the expenditures you're going to have to encounter, with much of them tied to personal service, you realize that during the course of the year there will be resignations, unexpected retirements, leaves without salary and other forms of savings you could not predict ahead of time, therefore a savings accrual. At the same time, there isn't a unit that couldn't use the savings to buy a piece of equipment or to employ another lecturer or some other worthwhile thing. Of course, when the budget was formed it was not planned on and so yielding up a two percent saving should not be at the expense of any planned program. However, it still denies flexibility. Moreover, as the budget becomes tighter and tighter, people budget closer and closer and sometimes these expected savings do not, in fact, materialize.

"The final adjustment that seems to be mandatory is to plan on increasing tuition by several percentage points above the rate of inflation. There is no way we can bring the budget in balance without tuition increases several percentage points above the projected inflation.

"In making these adjustments, I'd like you to note that several things held firm. The 15% increase per year for the library, the 17, 16, 15 percent increases for student aid, and maintenance of buildings at 12, 11 and 10 percent all remain as originally proposed. It was our feeling that all of these had to be funded or were currently underfunded and any reduction would be extremely difficult and would be damaging to the program.

"Making the modifications I've mentioned in income and expenditure projections bring us within shouting distance, at least, of a balanced budget. Unfortunately, a very sizeable problem we still must face is the demand which will occur on financial aid funds for the University. Federal funds will be cut to a degree that is greater than even the rather sizeable percentage increase we are planning. In fact the estimated gap for 1982-83 in our financial aid budget will be about two million dollars. There has been a great deal of talk about losing diversity at the University as a result of not having an adequate financial aid program. Let me emphasize that we intend to continue to be aid-blind in arriving at admissions decisions. Putting it another way, we intend to base our admissions on the qualifications of the individual in terms of academic, special characteristics, and diversity in terms of geographical location, race, other socio-economic classes and so forth without regard for the ability to pay. We intend to have within our admissions pool, the same level of diversity that we have had in the past. But what then are we going to do about what appears to be a two million dollar short-fall of financial aid funds in 82-83? We haven't solved that problem. Ideally what we need is about \$20 million of additional endowment. Raising such a sum will not be an easy task but a potential donor has expressed an interest in a major gift for student aid. So perhaps, with more optimism than is deserved, we are not extremely depressed about the two million dollar gap in financial aid. Come next April I might feel differently, but right now, I feel that we can make it. Moreover, even assuming that a major gift is not forthcoming, there are still ways of meeting much of the needs of the students through developing financial aid packages to meet the particular characteristics of the individual student in terms of ability to pay and to handle loans and other services. Our financial aid packages have always been flexible so this is not new. Unfortunately, they may have to be more flexible than in the past.

Bulletin of the Faculty

There are ways of achieving this, and I want to emphasize that we will continue to admit students without regard for aid and that we will attempt to continue the present practices in developing our financial aid packages. If this proves to be impossible, we will adjust the aid packages in a modest way and with very much at the forefront the goal of maintaining the diversity in our student body that we now have.

"In summary, the financial needs of the University continue to exceed available income. The deans and the directors of support units are submitting detailed program plans for the next three to five years. We will be looking for ways of increasing inter-college cooperation with a goal of maintaining or improving programs at a lower cost. We are also asking the deans and the budget committees to review plans of the support units with the objective of finding ways of reducing expenditures in these units. There is no question that support costs have increased at a higher rate than costs in the academic units as far as general purpose funds are concerned. Part, in fact a very significant part, of the explanation for this is related to your tremendous success in obtaining outside grants and contracts which while increasing your budgets, have at the same time placed additional demands upon the various business and support units of the University. Nevertheless, we do not like to see the support costs going up without having them critically reviewed by the academic units to be sure that we are indeed as lean and as tight in these areas as we should be.

"We also recognize that the academic units are not being provided an adequate amount of general purpose funds. Fortunately many of the units are able to supplement University allocations with funds from outside sources in the form of grants, contracts, and gifts, and we certainly are most grateful for the contributions of the faculty, of the department chairpersons, of the deans and many others in securing these outside funds. We only wish that all were equally successful or more successful in bringing in the additional resources we need. 82 and beyond will be difficult years with the federal cutbacks in research and aid to higher education. Private industry is becoming increasingly aware of the financial crunch Cornell and other private universities are facing. We undoubtedly will receive help from private industry, but the ground rules will be different. We are optimistic that appropriate ground rules can be established for greater industry-university cooperation. Also, we have a group of loyal and dedicated alumni who will continue their practice of annual and major giving. We have an excellent student body with a large number of able students seeking admission. And finally, certainly our greatest strength is the outstanding and dedicated faculty who make Cornell a stimulating and highly productive university in terms of research, scholarship, teaching and public services. With these important resources, the necessary dollars will be forthcoming, perhaps not easily, but they will be forthcoming. I try to say that with conviction. I'm available for questions."

Professor George A. Hay, Law and Economics, asked what percentage of the financial aid is purely scholarship as opposed to loan and whether consideration is being given to trying to retrieve scholarships by making students pay them back sometime after they graduate?

The Provost replied: "Assuming a total cost in the endowed units of \$11,000, for the average students needing aid we expect a parental contribution including summer work of \$4,000. Of the remaining \$7,000 we expect \$3,000 of self-help, \$1,350 of work study money with one-half of the wages coming from the employing department and \$1,650 in the form of a loan from various sources outside the University. The final \$4,000 shortfall is made up from contributions of PELL funds, TAP funds and University funds depending on whether or not the student is a New York State resident. This would

be all scholarship in the form of federal, State or Cornell University funds. As to what thought we have given to making this in the form of loans rather than direct scholarship, we are thinking about various possibilities. At the present time we're putting a \$1,650 per year loan burden on the student. Maybe that's not too much but next year with the best of situations, the self help will go up by probably at least 10% - the inflation rate. This means a \$50 or so increase in work study and that the loan component will go up to \$1,900-\$2,000, instead of \$1,650. Nationwide, experience has been that when the repayment burden exceeds 20% of the individual's discretionary income, there's a rapid increase in defaults. We've had a very good repayment rate at Cornell, but we do keep that general guideline in mind as we're talking about loan burden. There's also the feeling, and we're trying presently to assemble some information because it is merely perception rather than being based on any good data, that if we have to crowd more loan upon the individual to the point where the individual was committed to carry a loan burden approaching 20% of discretionary income for ten years, each time they wrote a check they would become more and more hostile towards the University. Would they, therefore, be as receptive to annual giving as if we are able to keep the loan burden at a more modest level through a greater scholarship program?"

Professor Holcomb was curious about the rationale for increasing graduate aid at a substantially lower rate than undergraduate aid, in fact, at a rate that might well end up lower than the tuition rise. Also, are there any overall assumptions about levels of faculty and non-academic staff?

Provost Kennedy replied: "First, as to financial aid for graduate students, we recognize that there's a very serious need and that the projected amounts are probably not adequate. I want to reemphasize neither are the projected amounts for undergraduates, and we feel we have a few more opportunities to provide general support for graduate students outside of the direct scholarship program. This may be erroneous. We certainly would like to do better for the graduate students and indeed may find we will have to. Turning to levels of faculty and staff, we have been nearly constant, actually a slight reduction in faculty numbers University-wide. Some units have come down a modest amount, others have gone up. In several cases where reduction in faculty members has occurred, there has been an increase in the number of lecturers - part-time or full time. Very frankly, our count of faculty and staff at any given time leaves much to be desired. Peggy Ulrich-Nims, Director of Institutional Planning and Analysis, is working on this problem at the present time and has come forward with what appears to be, for the first time, rather accurate and reliable information. In the past when we would tell a college you've gone up five faculty members or you've increased your lecturers by 10 or whatever, there was a knee-jerk reaction that our information was wrong. This time Peggy is going to each academic and support unit and saying here are the data we have - are they right or not, if not tell us what's wrong. Then we'll double check to see whether or not we agree. We have clearly grown in the number of people in support services. When you bring in \$100 million of research grants compared to \$50 million only a short time ago, even correcting for inflation, there are more people. There is a larger payroll in the academic units and it thus takes more individuals in payroll and in the controller's office. The question is whether we permitted growth in support units at a faster rate than we should. I don't know. I still consider myself on the academic side, so the first thing to do is to challenge that growth, and we intend to do that, but we also must be objective when we review it."

Professor Charles S. Levy, English, asked: "Am I correct in the impression that the salary program just outlined

represents a drawing back from the 6% gap stopping program of which you spoke in May?" He also had another question relating to the statement by the Academic Affairs Committee of the Board of Trustees made in March from which he read the following: "Together with those institutions (that is sister institutions of the University) we hope that the University (Cornell) will move toward bringing faculty salaries to a level that restores them to the relative position at which they were fifteen years ago." And from the rationale given: "We would deplore a return to the pre-World War II situation when a significant percentage of academicians necessarily had independent means. A means test for recruitment to the professoriate short-changes the Academy and those who study in it." Professor Levy asked the Chair if there is a mechanism for including a full transcript of such a statement by an official body of the Board of Trustees in the minutes of this meeting for the circulation that that would provide?

The Chair deferred that question to the Dean of the Faculty.

Dean Greisen said there is no precedent for this. He noted that involved was a one page statement and it thus seemed in view of its brevity, it might be permitted to be entered into the record and be printed with the minutes. The Dean hoped he wasn't setting a bad precedent. If someone wanted to enter a lengthy document in the future to be included with the minutes, we may have to take up the procedural question in the body and vote on it. (The statement is included as Appendix A.)

Provost Kennedy replied: "Certainly we appreciate, encourage, and support the real and deep concern of the Trustees about faculty salaries. We're not at odds with that. To come back to your first point, are we pulling away from the 6% or 2% per year program mentioned in May? The answer is no. It is true that we estimated inflation to be 13% a year ago, but inflation rates were then somewhat higher than now. And I did emphasize today that we are hopeful that our peer institutions which currently have a more favorable salary level than we do will adjust their salary increases more in keeping with the rate of inflation so that we will still have a 2% gain. I've already admitted that I'm not so naive as to assume that this will happen. We, therefore, may have to reconsider whether or not we can live with the 12%, 11%, 10% goals that we have for compensation over the next three years if our primary

"I just can't categorically say we will not have admit/deny, although I'll come as close to saying it as I can. We are committed to maintaining the racial and economic diversity of the student body..."

W. K. Kennedy

aim is to improve our competitive position. And it is. The second part of our plan is to emphasize to deans, department chairpersons, and through them to the faculty, that the University does not have the resources to do it all by itself. The easiest thing to do is to go ahead and hire people and let the University worry about the salaries. We feel that there has to be some effort on the part of the deans to make this adjustment and in fact that is exactly what is occurring in several of our schools and colleges and has been occurring for some time. We are saying that those who draw upon general purpose funds will have to carry a little heavier load in finding salary funds. Now let me quickly emphasize that I know how tight their budgets are, and therefore, that it's not going to be easy for them to find the 1% increase. It all comes down to that gap of a significant number of dollars and how to find them. I didn't see, as I mentioned last spring, too many helpful letters or other comments made about increasing tuition at still higher rates. I did have one or two letters suggesting that, but we feel that increasing tuition by more than a modest number of percentage points above infla-

tion is not a tenable position in 1982."

Professor Levy said: "In the minutes of the December FCR meeting I made a statement on behalf of the Executive Committee of the AAUP which constituted a strong endorsement of a policy of increasing tuition. That remains the position of the Executive Committee of the AAUP."

Professor John A. Nation, Electrical Engineering, noted that the Provost had suggested a figure of \$1,650 for student self-help. Professor Nation asked the Provost to discuss the impact of the reduction of federal and state loans in the light of projecting an increase in the requirement on students for obtaining loans.

Provost Kennedy replied: "The increase to \$3,000 self-help represented a 33% increase this year. It was \$2,250 and went to \$3,000. It is, except for M.I.T., the highest of the major private universities - Columbia joins us at \$3,000. To close that two million dollar gap we would have to jump from \$3,000 to \$3,850, \$3,900 or even \$4,000 of self-help. That is an enormous jump. As I indicated we are projecting an increase on the order of 10% to 14% as representing a possibility. That increase would be divided between work study money and loans. It would not necessarily be all loans. You probably are aware that the guaranteed student loan program has been under attack and that our people had to work essentially around the clock during the month of September so as to have all loans processed by the deadline of October 1. At present the guidelines are so generous that I am not sure any cutback will be felt by the most needy. There surely will be a tightening. Loans are a problem."

Professor Nation then asked the Provost if he saw any problem in the future with obtaining student loans of that magnitude.

Provost Kennedy said there is already a problem, but feels the problem will be increased only modestly.

Adjunct Associate Professor Peter M. Cohen, Architecture, asked if ways were being considered to reduce the stated two million dollar budget gap on financial aid without sacrificing the admirable objectives regarding diversity? Professor Cohen said he was thinking of a few years ago when the system accepted financial aid students first, and sometimes had lesser students accepted than some who were capable of paying the full tuition.

Provost Kennedy replied: "One of the alternatives we still have for not considering ability to pay is to say to some

the inflation rate. I want to re-emphasize that these are assumptions we are working with at the present time to see the dimensions of the problem. Those dimensions are considerable. We're struggling with how to come up with a balanced budget and to best meet all of the needs. To provide adequate financial aid and adequate compensation for faculty and staff are the two most important goals. But there is also the maintenance of the library, and a whole host of other needs that have very high priorities. So it's trying to make the necessary adjustments with available resources to best meet these various needs. Our primary objective is to be competitive with peer institutions, and if they do not adjust their salaries downward in relation to inflation, then we obviously can't make a gain if we adjust ours. I wouldn't rely too heavily on the 10%, 9% and 8% as being the inflation rates for the future. If Volker weakens, and so far he hasn't, and eases interest rates, a sudden spurt in inflation may occur. But I'm not an economist."

Professor Benjamin Nichols, Electrical Engineering, said he didn't know what the Provost meant when he said the health insurance costs went up by \$700,000, more than was expected or allowed for.

Provost Kennedy replied that in the year ending in 78, the cost for health insurance premiums was \$643,000, in 80, it was \$1,041,000, this last year, it was \$1,934,000 and in 82 it is expected to be \$3,080,000. The good news comes in 83 when it is only projected to go up to \$3,696,000. The enormous increase in health insurance costs is staggering.

Professor Nichols asked if these increases had something to do with the particular record at Cornell.

The Provost replied that it did not. Rather it was due to a general rise in the costs of hospital and other medical fees. The Committee on the Professional and Economic Status of the Faculty will be looking at the possibility of finding a new carrier giving the same coverage at a lower cost.

Associate Professor Alan K. McAdams, B&PA, asked if the Provost would comment on the implications of the current collective bargaining for current and future estimated budget deficits.

The Provost replied he could not. Negotiations are underway, and it is very encouraging that an appropriate agreement will be reached. There will be a news release and other information at the appropriate time.

Assistant Professor Isabel V. Hull, History, asked how much money Cornell is going to allocate in the next budget to proceed with the case against the Cornell 11. The Provost replied he could not. Legal fees have been expensive, but it is not anticipated they will be as heavy in the coming year as they have been in the past.

Professor Hull asked the Provost if he could reveal what the figures were in the past.

Provost Kennedy said these fees have not been included as a separate budget item and he didn't have the requested information.

Professor Hull asked if it represented a large amount of legal expenses?

Provost Kennedy said that since he doesn't have the figures, he couldn't comment, but asked that Professor Hull give him a day or two and then call, and he would be glad to give her some information.

There being no further questions for the Provost and no further business, the meeting was adjourned at 5:42 p.m.

Respectfully submitted,
Joseph B. Bugliari, Secretary

Appendix A
COMMENTS ON THE CORNELL
ADMINISTRATION'S POLICY ON
FACULTY AND STAFF SALARY
INCREASES

The Academic Affairs Committee of the Board of Trustees wishes to endorse the policy for faculty and staff salary increases contained in the proposed 1981-82 budget and to commend the

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People

Economist Shares Levy Award

Henry W. Wan Jr., professor of economics here, and George Leitmann of the University of California, have been jointly awarded the Franklin Institute's Louis E. Levy Medal.

The award, presented for an outstanding paper published in the Journal of the Franklin Institute, is for their paper "A Stabilization Policy for an Economy with Some Unknown Characteristic."

In the paper, Wan and Leitmann developed a stabilization policy for economics by applying sophisti-

cated analytical techniques used in physical science to economics. Their method of analysis may also be applied to a variety of problems in ecology, water resources, urban systems, etc. which share the same structure as the economic problem addressed in the paper.

Their interdisciplinary approach reflects the background of the two men. Leitmann is a physicist and professor of engineering science. Wan is an economist whose research interests cover both economic dynamics and differential games.

"Economic systems," writes Wan, "are often buffeted by external shocks (e.g. energy crises) whose occurrence cannot be predicted with objective probability." Wan thus joined Leitmann to apply the techniques of stabilizing uncertain systems in the context of macro-economic stabilization.

Wan has been a professor of economics at Cornell since 1970 and correspondent research associate, Economics Institute, Academia Sinica, Nankai, China, since 1963. He is a native of Hankow, China.

Kelley Gets Teaching Award

Michael C. Kelley, associate professor of electrical engineering, has received the 1981 Award for Excellence in Engineering Teaching.

A \$1,000 cash prize goes with the award, which is jointly sponsored by the Cornell Society of Engineers, an alumni group, and the Cornell chapter of Tau Beta Pi, student honorary society in engineering. The annual recipient is selected on the basis of nominations by students at the College of Engineering.

Kelley teaches and carries out research in his specialty field of rocket and satellite instrumentation and space plasma physics. For studies of the winds, waves, and electric fields in the upper atmosphere, he

has designed and supervised experiments in balloons and satellites and on rockets launched at sites around the world.

Currently he heads research projects funded by the National Aeronautics and Space Administration, the Office of Naval Research, and the National Science Foundation. He has published widely and is an active participant in national and international conferences and research projects. He also serves as a consultant to federal, university, and industrial laboratories in the areas of geophysics, space science, and aerospace technology.

Hedlund Wins Fulbright

A Cornell psychology professor has received a Fulbright Award for 1981-82 under the Mutual Educational and Cultural Exchange Program.

Dalva E. Hedlund, associate professor of counseling psychology in the Department of Education in the New York State College of Agriculture and Life Sciences, will be in Zambia this academic year. He will lecture on psychology at the universities of Zambia and Lusaka.

His award is one of more than 500 Fulbright grants for university teaching and advanced research in more than 100 countries for 1981-82.

More than 2,500 Fulbright applications are screened annually by

two peer review committees. The nominated applicants are further reviewed abroad. Chosen scholars are officially selected by the Board of Foreign Scholarships whose members are appointed by the president of the United States.

The purpose of the Fulbright Program, now in its 35th year, is "to enable the government of the United States to increase mutual understanding between the people of the United States and the people of other countries."

Fulbright awards for university teaching and advanced research are administered by the Council for International Exchange of Scholars in Washington, D.C.

Joe P. Bail has been reelected chairman of the department of education in the State College of Agriculture and Life Sciences. A member of the Cornell faculty since 1957, Bail is a specialist in assessing career opportunities and educational needs for youths and adults. He has served as a consultant to many educational institutions, and is the recipient of various awards, including the Outstanding Service Award of the American Association of Teacher Educators in Agriculture, and the Distinguished Service Award from the Association of Teachers of Agriculture of New York.

Tapan Mitra has been elected professor in the Department of Economics. Mitra is considered one of the world's leading experts in the field of capital and growth theory. His work has been published in the "Review of Economic Studies," the "Journal of Economic Theory" and

the "International Economic Review." He has recently been awarded an Alfred P. Sloan Research Fellowship for 1981-83. Before coming to Cornell in 1978, Mitra was an associate professor at the State University of New York at Stony Brook.

William G. Tomek, professor of agricultural economics, is the recipient of the Outstanding Journal Article of the Year Award of the American Agricultural Economics Association (AAEA). Tomek's article, "Price Behavior on a Declining Terminal Market," was chosen from among the articles published in 1980 by agricultural economists.

Elizabeth Adkins Regan, a faculty member since 1975, has been named an associate professor in the Department of Psychology and Section of Neurobiology and Behavior at Cornell. Regan's area of expertise is in the field of

biopsychology where her research has focused on the social behavior of animals, especially the role of sex hormones in reproductive behavior. She is a frequent manuscript reviewer for "Science, Hormones and Behavior" and "Physiology and Behavior."

Stuart MacDonald Brown Jr., professor in the Program of Science, Technology and Society and in the Department of Philosophy, has been awarded the title of professor emeritus. Brown is a former vice president for academic affairs and former dean of the College of Arts and Sciences. He left Cornell in 1970 to become vice president for academic affairs and a professor of philosophy at the University of Hawaii. He returned to Cornell in 1974.

Larry D. Brown, assistant professor of geological sciences, has received a \$5,000 cash prize from the Research and Development Department of the Arco Oil and Gas Co. for "outstanding contributions to education." According to a letter from Arco, Brown was "selected as one of the 20 recipients of an award from a long list of junior faculty members highly recommended by 53 departments from 26 universities across the country." Brown joined the Cornell faculty in 1977 after receiving his doctorate in geophysics at Cornell in 1976. He earned a B.S. in physics from Georgia Institute of Technology in 1973.

Richard M. Brookner, a graduate student in engineering, has been awarded the first Cameron Scholarship by the Concrete Reinforcing Steel Institute. The award, which carries a stipend of \$1,500, was established this year by CRSI to honor Dugald J. Cameron, an engineer who made numerous contributions to the advancement of structural concrete during his professional career with the institute. Brookner, who is from Lexington,

Mass., was selected by a special faculty committee.

Gordon A. Zook has been awarded a \$4,500 fellowship for graduate study by the Honor Society of Phi Kappa Phi. A graduate student in agricultural economics at Cornell, Zook was one of 35 selected for the award from a group of 134 of the nation's outstanding 1981 college graduates. He is a native of Lake Odessa, Michigan and a recent graduate of Michigan State University. Phi Kappa Phi is a national scholastic honor society with chapters at 320 colleges and universities throughout the nation.

Charles E. Ostrander, professor of poultry and avian sciences in the State College of Agriculture and Life Sciences, has been honored by the Northeast Egg Marketing Association. The regional organization presented a plaque to Ostrander in recognition of his "contributions to the egg industry as consultant, guide, teacher, and friend." The award was given during the recent annual meeting of an industry group called SPICE, "New York State Poultry Industry Coordinated Effort." A faculty member in Cornell's department of poultry and avian sciences since 1956, and also from 1951 to 1952, Ostrander served as departmental leader for Cornell Cooperative Extension programs involving all phases of poultry production.

Douglas A. Haith, associate professor of agricultural engineering, has been honored by the American Society of Civil Engineers (ASCE) for his research. Haith is a 1981 recipient of the Walter L. Huber Civil Engineering Research Prize from ASCE. Announcement of the award was made Oct. 28 at the society's convention in St. Louis. A member of the faculty in the State College of Agriculture and Life Sciences since 1971, Haith is a specialist in environmental systems analysis, particularly water pollution problems associated with agriculture.

Jamie Plunkett, a Cornell hockey player during the mid 1970s, has been named head coach of the Big Red jayvee hockey program. Plunkett competed on the freshman, junior varsity and varsity level in hockey at Cornell from 1973-77. He was a defenseman, and saw action with the varsity during the 1975-76 season, scoring two goals and two assists in eight games. After graduation from Cornell, Plunkett attended Sheridan College in Oakville, Ont. from 1977-79, earning a degree in athletic training and management.

David A. McBride has been named manager of industrial liaison in the Office of Patents and Licensing. The director of research administration at the University of Rochester for more than 20 years, McBride replaces Thomas W. Mailey, who was recently named director of the Cornell University Industrial Research Park. McBride is a 1943 graduate of Cornell.

Jay H. Jasanoff, professor of linguistics, has been elected chairman of the Department of Modern Languages and Linguistics for a three-year term. He succeeds Richard Leed. Jasanoff is recognized in the field of Indo-European historical and comparative linguistics. He is best known for his research in Indo-European verb morphology. Jasanoff has served as the graduate faculty representative for Germanic studies since 1979. Before coming to Cornell in 1978, Jasanoff was an associate professor at Harvard University.

Zoann J. Parker, a junior majoring in agricultural education at the College of Agriculture and Life Sciences, represented New York State in National Royal Charolais Show Queen Contest, Nov. 6 through 9 in Kansas City. The national competition tests contestants' knowledge of the nation's beef industry, among other things. The New York State entry is the daughter of Mr. and Mrs. John D. Parker, who own and operate a dairy, beef and sheep farm known as Windswept Acres in Edmeston, N.Y.

Donald A. Fischman, M.D., has been appointed as professor and chairman of the Department of Anatomy at Cornell Medical College. Dr. Fischman, who has been professor and chairman of the Downstate Medical Center Department of Anatomy and Cell Biology since 1977, will assume his new duties after the first of the year. He received his medical degree from Cornell Medical College in 1961 where he served as a research fellow and instructor in the Department of Anatomy from 1961 to 1965. Dr. Fischman's principal research interest is the definition of the cytoskeleton of cardiac and skeletal muscle and its development. His most recent studies also have led to the development of a family of monoclonal antibodies capable of recognizing and quantitating intermediates in myofibril assembly.

Puerto Rican Novelist Will Lecture

Luis Rafael Sanchez, regarded as Puerto Rico's foremost contemporary novelist and dramatist, will make three public appearances here Nov. 17, 18 and 19.

He will deliver a talk, in Spanish, "Towards a Poetics of Coarseness," at 4:30 p.m. Nov. 17 in 242 Goldwin Smith Hall.

Sanchez will participate in a bilingual reading of his published and unpublished works at 7:30 p.m. Nov. 18 in the Temple of Zeus at Goldwin

Smith.

He will also participate in a bilingual roundtable discussion on "The Crisis of Puerto Rican Culture" at 4:30 p.m. Nov. 19 in the Temple of Zeus.

Joining him in the discussion will be Gloria F. Waldman of City University of New York, Arturo Echeverria-Ferrari and Luce Lopez-Baralt, both of the University of Puerto Rico.

Sanchez is the third writer to

appear in the 1981-82 Festival of Ibero-American Culture at Cornell.

"Writing during one of the most important periods of Spanish-American literature, Sanchez has produced first-rate drama, short stories and critical essays about Puerto Rican culture and life," according to Enrico Mario Santi, associate professor of Romance languages at Cornell and organizer of the festival.

Brief Reports

Vitamin D Advances To Be Lecture Topic

"Vitamin D; New Advances in Metabolism and Mechanism of Action" will be the topic for Hector F. DeLuca, the Harry Steenbock Research Professor of Biochemistry at the University of Wisconsin and the second speaker in the 1981-82 James Law Distinguished Lecturer Series. The lecture is scheduled for 4:30 p.m. Thursday, Nov. 19, in the James Law Auditorium of the State College of Veterinary Medicine.

DeLuca is a leader in the field of Vitamin D metabolism and function in both health and disease. As the author of over 500 publications on Vitamin A, Vitamin D, parathyroid hormone and calcitonin, he has contributed to the understanding of how Vitamin D and parathyroid hormone control calcium and phosphorous levels in the blood; how Vitamin D is metabolized in the body; and how Vitamin D controls membrane permeability to calcium.

Currently chairman of the Department of Biochemistry, University of Wisconsin-Madison, DeLuca has been a visiting scientist at Strangeways Research Laboratories in England and Distinguished Lecturer in Medical Sciences at the Mayo Clinic. The lecture is open to the interested public at no charge.

Cornell on CBS To Be in January

Cornell alumni, students and President Frank Rhodes will be seen locally on a CBS-TV show in early January, not this week as reported elsewhere earlier this week.

Phyllis Bosworth '56, producer of

the CBS show "Up to the Minute," confirmed that the five segments which feature Cornell are due to be aired by WTVH-TV (channel 5) in Syracuse at 9 a.m. Jan. 5-8 and 11.

The show, with Harry Reasoner as host, will include interviews with Cornell alumni and students on how attitudes and perceptions have changed between 1956 and now, trends toward conservatism on campus, changes in the lives of women at Cornell over 25 years and a discussion with Rhodes on the role of higher education in America.

Mann Library Has More Weekend Hours

Mann Library on the Cornell University campus has extended its Saturday hours as of last week. The library is now open from 11 a.m. to 5 p.m. instead of from 1 to 5 p.m.

Also, reserve books are due when the library opens at 11 a.m. on Saturdays and Sundays.

Additional extended library hours will be announced for study and exam periods at the end of term. They will be posted after Thanksgiving.

Wintersession Courses Open

Cornell students who want to reduce their spring term load may do so by registering for a course during Wintersession.

Students interested in taking independent study courses must locate a faculty member willing to supervise their study and obtain a "Blue Form" used for recording such courses from the Division of Summer Session, Extramural Courses and Related Programs, B12 Ives Hall.

Wintersession runs from Dec. 28

through Jan. 20, 1982. Courses can be taken anytime during that period. Registration will be 8:30 a.m.-4 p.m. Monday, Nov. 16, through Friday, Dec. 11, in B12 Ives Hall.

For further information, call 256-4987.

Program to Feature CU-Related Exhibits

"New York City Galleries," on view at the Art Gallery, Malott Hall; "Sam Wiener: An Archeological Spoof of the Treasures of Soho," on view at the Johnson Museum, and "Archie Ammons: Inkings," on view at the Art Gallery, Sheraton Conference Center, will be featured on local Cable Channel 13's Focus on Art program this month and next.

New York City Galleries and Wiener's Treasures of Soho will be seen at 7:30 p.m. Monday, Nov. 16, and Thursday, Nov. 19. The Ammons exhibit will be seen at 7:30 p.m. Monday, Nov. 30, and Thursday, Dec. 3.

Ammons is the Goldwin Smith Professor of Poetry.

DAAD Fellowship Deadline is Tomorrow

Applications for one DADD Fellowship to West Germany for the 1982-83 academic year are due tomorrow. The fellowship, which is open to all graduate students from all academic units, includes a full stipend and travel expenses.

Applications should include a description of the proposed study or research project, student's qualifications, a Cornell transcript and letter of recommendation from two professors in the student's field of study, plus a local address and phone number.

Applications should be addressed to Selection Committee, c/o Herbert Deinert, Department of German Literature, 188 Goldwin Smith Hall, telephone 256-3680.

Architecture Students Have New Publication

Students in the Department of Architecture have produced the first issue of an annual journal

aimed at the world's architectural community.

Titled The Cornell Journal of Architecture, the 140-page glossy 9-by-12-inch publication is being distributed world-wide by Rizzoli-International Publications, Inc. of New York City. The price is \$17.50.

According to editor Michael D. Markovitz, class of 1982, the journal assembled by students with faculty advice "will continually engage in critical assessment of the present state of architectural education. The journal is visually oriented, making its point through the projects displayed."

Director of design Kenneth A. Gruskin, class of 1982, said "the quality of the presentation and content should make it a document with reference value."

In addition to numerous drawings of student projects, the first edition contains a number of articles by members of the faculty in the College of Architecture, Art and Planning at Cornell, many of whom not only enjoy academic renown but also have international reputations as practicing architects.

Articles in the current issue include "The Present Urban Predicament," by Colin Rowe; "Architecture and the Post Modern City" by Michael Dennis; "Five Lessons from Schinkel's Work" by O.M. Ungers and "Formal Gardens" by Lee Hodgden.

Cornellian's Book On Maya Culture

"The World of the Ancient Maya," a book by John S. Henderson, associate professor of anthropology, will be published this month by Cornell University Press.

Anthropologist Jeremiah F. Epstein of the University of Texas called the book "unquestionably the best I have seen on the Maya."

In his book, Henderson explores the entire Maya cultural tradition from the earliest traces of settlement in the Americas through the period of the Spanish conquest in the 16th century.

Utilizing archaeological, linguistic and ethnographic information and recent advances in deciphering hieroglyphics, Hen-

SAGE CHAPEL

"The World Is Too Much With Us"

Nina Miller, executive director of Suicide Prevention and Crisis Service of Tompkins County, and George Miller, clinical psychologist, will give a dialogic address at the 11 a.m. Sunday, Nov. 15, Sage Chapel Inter-religious Service. Their sermon topic will be "The World Is Too Much With Us."

Nina Miller, in addition to directing SPCS, is chairwoman of the Advisory Committee of Hospicare of Tompkins County. She is a graduate of the University of Pennsylvania and was a recipient of a Woodrow Wilson Fellowship for Graduate Study.

George Miller was an associate professor of clinical psychology at Cornell and a lecturer in the New York State College of Human Ecology before entering private practice in 1974. He is a graduate of Brooklyn College, received his master's degree in social work from Pennsylvania and a Doctor of Education in Clinical Psychology from Temple University. He also attended the Philadelphia Psychoanalytic Studies Institute for three years.

Music for the service will be provided by the Sage Chapel Choir under the direction of Donald R.M. Paterson, Sage Chapel choirmaster and university organist. Graduate student Stephen May is assistant conductor and accompanist.

derson traces the rise and development of the Maya societies.

The book is illustrated with many photographs and line drawings by the author.

Henderson's work in anthropological archaeology has earned him world-wide recognition in the field.

He has conducted research and excavations in Mexico, Honduras, Peru, Cyprus and the United States. Henderson received his A.B. degree from Cornell and his master's and Ph.D. degrees from Yale University.

Faculty Bulletin

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Administration for developing it. We feel that it is most important to set the level of increases, as has been done, high enough to continue to close the gap between faculty salary levels in the endowed colleges at Cornell and those Ivy institutions with higher faculty salaries. We also note and support the administration's goal of movement in narrowing the gaps between salaries in the statutory and endowed colleges at Cornell and between salaries in Cornell statutory colleges and salaries at the SUNY campuses with which we compare ourselves. Finally, we support the goal of striving to maintain equitable and comparable salaries for staff as well as faculty.

We encourage the Administration to pursue an additional long-range goal concerning faculty salaries which goes beyond closing the gap that separates Cornell from some of its sister institutions. Together with those institutions we hope that the University will move toward bringing faculty salaries to a level that restores them to the relative position at which they were fifteen years ago. While academic salaries have never been comparable to those in the other professions, their position (in term of purchasing power) relative to salaries in other professions has eroded gradually in the past decade and a half. This relative erosion exists even when allowance is made for the effect of inflation on professional salaries in general. We recognize that this goal cannot be achieved

in the short term, it is a long-run target.

Our major reason for espousing this goal is the fear that the decline in the purchasing power of faculty salaries will accelerate the tendency for the best young minds to enter other professions than college-level teaching and research or to go into business and industry. We are concerned about losing bright young non-minority scholars from that group of students who are first-generation college attenders. The higher salaries of other professions, business, and industry are particularly attractive to this group of potential faculty. We would deplore a return to the pre-World War II situation when a significant percentage of academicians necessarily had independent means. A means test for recruitment to the professoriate shortchanges the Academy and those who study in it.

For the same reason, the trend to enter other professions is also found among minority undergraduates in very large degree and thus, by cutting the number of minority graduate students in the pipeline, it reduces the probability of even maintaining the present percentage of minority faculty, let alone increasing it.

For these philosophical reasons, we urge the long-run goal of restoring the purchasing power of faculty salaries.

We are aware of the financial implications of achieving the long range goals we endorse. Therefore, we encourage the Administration to articulate a plan for developing the necessary new funding and reallocation of funds to support these long term goals.

The Week in Sports

Columbia Last Home Football Game

The Big Red varsity football team will close out the home portion of its 1981 season on Saturday when it plays host to Columbia on Schoellkopf Field at 1:30 p.m. The men's soccer team also completes its home schedule against Columbia when it entertains the Ivy League-leading Lions at 7:30 p.m. Friday in a crucial contest on the Schoellkopf turf. In addition, the Big Red men's hockey team gets its first taste of action Saturday night in the annual Red-White scrimmage at Lynah Rink at 7:30 p.m.

The Cornell football team will be looking to continue a four-game winning streak against Columbia, including a 24-0 blanking of the Lions in New York City last year. The Big Red comes off an impressive performance in a 23-17 loss to league-leading Yale on Saturday. Yale, now 8-0 overall (one of just

four unbeaten teams in Division I-A football) and 5-0 in the league, pulled the victory out by scoring 16 points in the final quarter — including the winning touchdown with only 53 seconds to play in the game. It was the closest game of the season for the Elis against an Ivy foe, as Yale had outscored its opponents 124-30 in its previous four league games.

The Cornell offense has been led all season long by sophomore tailback Derrick Harmon, the team's leading rusher with 603 yards on 119 carries. Harmon had 126 yards rushing on 25 carries against Yale. Columbia, like Cornell, is 1-4 in the league. The Lions are 1-7 overall, having defeated Pennsylvania, 20-9, earlier this season. Columbia's last contest was a 21-7 loss to Dartmouth on Saturday.

The Big Red soccer team's game

with Columbia Friday should decide a probable bid to the NCAA playoffs. Only two teams from the New York state region receive automatic bids to the NCAA tournament, with possibly a third team in the region receiving an at-large bid. Columbia is 5-0 in the Ivy League and 9-0-4 overall, and is the No. 2 ranked team in the state. Cornell, meanwhile, is 8-4-1 overall and 2-3 in league action, but is 6-0-1 versus New York state teams. The winner of Friday's game will probably be one of the two schools in the state to receive an NCAA bid.

The Red-White scrimmage will be a dress rehearsal for the Big Red hockey team's season opener on Nov. 21 with Concordia University of Montreal, Que. at Lynah Rink. Coach Dick Bertrand will split up his squad for the evening.