

Nuclear Energy to Be Debated

Bethe to Join Bailey Panel

Four Cornell faculty members, including Nobel Prize winner Hans Bethe, will publicly debate the atomic energy issue in Cornell University's Bailey Auditorium at 8 p.m., Tuesday, Sept. 18. The debate, which is free, is titled "Unraveling the Nuclear Knot."

The participants are Duane Chapman, associate professor of resource economics at Cornell; Robert Pohl, professor of atomic and solid state physics; K. Bingham

Cady, associate professor of nuclear science and engineering; and Bethe, the John Wendell Anderson Professor of Physics Emeritus. The former two will present the view opposing clear power, and the latter two will represent the "pro" side.

Franklin Long, the Henry R. Luce Professor of Science and Society Emeritus at Cornell, will serve as moderator.

Bethe, who has been associated with

Cornell since 1935, was awarded the Nobel Prize in 1967.

In recent years he has been concerned about the long term solution to the problem of supplying energy for society. Bethe sums up his position on atomic power in three words: "We need it." He believes the safety of nuclear plants will be adequate and will be further improved by the lessons gained from Three Mile Island.

"In view of the increasing shortage

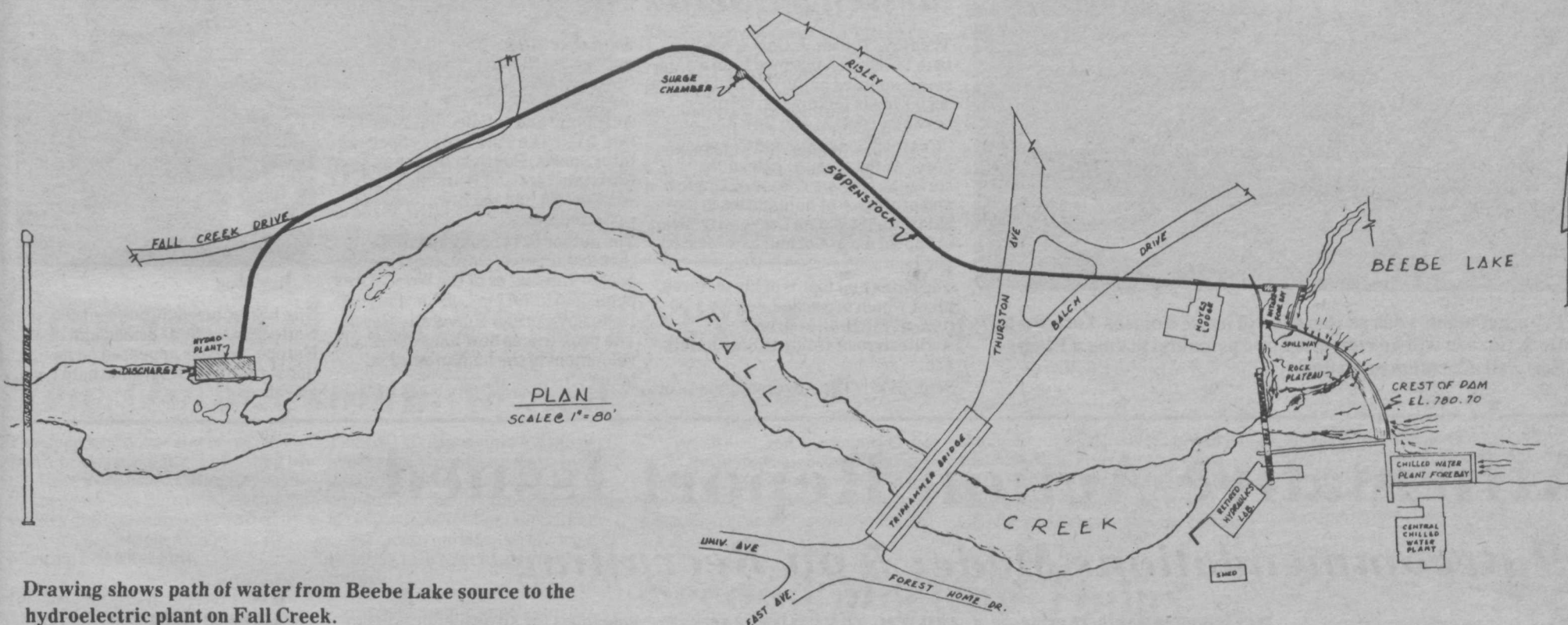
of oil," he says, "we need to utilize all the alternative sources of energy which are well-developed: one of the most important is nuclear energy." Bethe feels the problem of waste disposal is not technically difficult, but he feels a decision must be made regarding which method to use.

Cady, who earned a Ph.D. in nuclear engineering from the Massachusetts Institute of Technology in 1962, has worked with nuclear energy

throughout his career. His chief interests are reactor physics, nuclear engineering, environmental engineering, and nuclear reactor safety. He has been chairman of Cornell's Ward Nuclear Laboratory Safety Committee since 1973.

Pohl, a 1957 graduate of the University of Erlangen in West Germany, received his Ph.D. in solid state physics from Cornell. He has spent much of his career studying the

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Drawing shows path of water from Beebe Lake source to the hydroelectric plant on Fall Creek.

Hydroelectric Plant Revived

Board Okays New Generation

The University's hydroelectric plant on Fall Creek will be rehabilitated at an estimated cost of \$1.2 million, providing the University with one virtually inflation-free source of energy, limited only by the water supply in Fall Creek. The Executive Committee of the

University's Board of Trustees, meeting in Ithaca Tuesday, authorized the administration to undertake the project and to enter into a seven-year, zero-interest loan with the New York State Energy Research and Development Authority to finance part of the project cost.

The University also has applied to the U.S. Department of Energy for a partial grant for the project. The grant's status should be determined sometime next month.

The hydroelectric plant will be upgraded from its original capacity of 750 kilowatts to 1,200 kilowatts. The

1,200 KW plant will generate about 6.5 million kilowatt-hours annually — about 6 percent of the total electrical usage on the University's endowed campus.

The value of the energy generated by the plant in its first year of operation will be more than

\$160,000, which will directly reduce the University's purchased power budget of about \$2.6 million annually. The cost of producing the power will remain stable over the life of the plant, but its value will increase in direct proportion to the prevailing electric rates.

Major Reduction in Deficit

Figures Show Improvement

Unaudited figures for 1978-79 reported to the Cornell University Trustee Executive Committee Tuesday show the year was a good one financially for the University with a major reduction in the deficit that had been anticipated in the original operating plan.

Cornell ended the year with an operating deficit of \$1.3 million

before special adjustments, compared to the operating plan approved by the trustees in May 1978, which anticipated a deficit of more than \$5.4 million. Final results still subject to audit show improvement in all major divisions of the University's operation.

Cornell Senior Vice President William G. Herbster, in reporting to the

trustees, listed several factors contributing to the "dramatic" improvement.

"First," he said, "skyrocketing interest rates in the money market produced a level of investment income far greater than anticipated." He noted, however, that such high interest rates may not continue. Another factor Herbster said con-

tributed to the improvement was an increase in dollars spent on sponsored research of 20 percent over the previous year, resulting in a \$2.1 million increase in the recovery of indirect costs associated with research. He paid tribute to the faculty for their initiative in creating this increase since many other universities have suffered a decline in

research volume.

Herbster also noted that careful management in both colleges and support operations resulted in expenditures below preliminary estimates in almost all segments of the University. He praised Cornell's staff at all levels for reaching or

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Fragrant plants such as those found in the Robison York State Herb Garden will be converted into potpourri during a Plantations fall education program.

Plantations Plans Courses Trees, Plants, Herbs Topics

Trees, dried plants and herbs are topics for courses being offered this fall through Cornell Plantations, 100 Judd Falls Road.

Harlan P. Banks, professor emeritus of botany, will present four lecture-demonstrations from 7 to 9 p.m. on consecutive Thursdays beginning Sept. 20. His topics are "Learn to recognize 24 trees," "How a tree grows," "Bark and wood: characters, uses," and "Autumn coloration." Enrollment is limited to the first 20 registrants, and students should bring a hand lens to the first class. The fee is \$20. Elisabeth Sheldon, Gertrude Shepherd and Fran Starnier will

present workshop-demonstrations on using dried plant materials for fragrance and arrangement from 7 to 9 p.m. on consecutive Mondays beginning Sept. 17. Sheldon will demonstrate how to grow, collect and dry flowers and foliage on Sept. 17. Shepherd will demonstrate making potpourri and will supply materials for students to use in their own creations of fragrance on Sept. 24. Starnier will demonstrate and provide instruction in making dried arrangements to take home on Oct. 1. An optional field trip to Sheldon's Ridge House Gardens and home workshop will be arranged. The fee is \$20.

The Plantations also is offering seminars on herbs once a month through February. Each seminar will explore in depth one aspect of herb study. Topics will be developed to meet the interests of participants; possibilities include herb garden design, Chinese herbal medicine, aromatherapy, and herbs for better nutrition. The fee is \$5 per seminar.

Advance registration and payment of fees by mail or in person is required. For more information, contact Cornell Plantations weekdays between 8 a.m. and 4:30 p.m. The telephone number is 256-3141.

Ong to Give Six Lectures Messenger Series Starts Sept. 24

The Rev. Walter J. Ong, a scholar both in the Renaissance field and in contemporary culture, will deliver a series of six lectures on campus between Sept. 24 and Oct. 3.

"Contest, Sexuality and Consciousness" is the general title of the series by Ong, professor of English and professor of humanities in psychiatry at St. Louis University, who is appearing at Cornell as a Messenger Lecturer.

The dates and topics of his lectures, all of which are scheduled for 4:30 p.m. at the Hollis Cornell Auditorium of Goldwin Smith Hall, are:

Sept. 24 — "The Adversativeness of

Existence," Sept. 25 — "Contest and Sexual Identity," Sept. 26 — "Separation and Self-Giving: Quixote and 'Pieta'," Oct. 1 — "The Academic and Intellectual Arena," Oct. 2 — "The Turf Today - Spectator Sports, Politics, Business, Christian Life and Worship," Oct. 3 — "Contest and the Inwardness of Consciousness."

The author of 14 books and more than 300 articles, Ong's most recent book, "Interfaces of the Word," was published in 1977 in London and Ithaca by Cornell University Press. The book traces new lines of development of the human word in history.



Rev. Ong

Ong has lectured throughout the United States and Canada and in Europe, and has appeared on national radio and television both here and abroad.

Affirmative Action Report Issued 19 Recommendations Made; 5 on Recruiting

Seeking, finding and attracting women and minorities to the faculty and staff at Cornell are vital elements in a successful affirmative action plan, according to a report by the University's Affirmative Action Advisory Board to Provost W. Keith Kennedy.

Copies of the 29-page report are available in Room 217 Day Hall and at the reference desks in Olin and Mann libraries.

The AAAB is charged with advising the provost on the development of University affirmative action plans, policies and procedures. It was created in 1975.

Clifford J. Earle, professor in the Department of Mathematics, is now chairman of the AAAB. Lloyd Street, associate professor of human service studies, was board chairman for the last two years.

Seven task forces created in February 1978 by the AAAB were designed to examine the current status of various aspects of Cornell's affirmative action commitment. The Task Force on Implementation, of which Earle was a member, prepared the report.

Before stating 19 recommendations, five of which have to do with recruiting, the report says that "With the exception of the College of Human Ecology and the Africana Studies and Research Center, only in

very few units was there evidence of a vigorously implemented program of hiring and promoting minorities and women."

"Review of University-wide statistics and careful discussion with chief officers of various units at Cornell makes it impossible to conclude that the central elements of the (affirmative action) plan...have been implemented except in isolated and very special circumstances," the report continues.

"The failure to carefully and comprehensively implement the plan has led to perpetuation of a highly unrepresentative racial and sex mix in faculty and staff," according to the report.

In its conclusions, the task force reports it found "that in nearly all cases compliance is legalistic at best, with truly effective avenues for action ignored. Perhaps worst of all, none of the Task Force respondents reported evidence of enthusiastic leadership or effective commitment from the top of the University administration."

Provost Kennedy disagreed with some of the task force views and conclusions and defended University efforts.

"I don't know how many hours the president (Frank Rhodes) has spent on affirmative action during the

past year, but it has been a very substantial amount," Kennedy said. "I can tally up my time at least equal to his on it."

"In my opinion, we've made very substantial progress as far as women are concerned. We need to do better on minorities."

"The president has stated on a number of occasions that the employment of more women and minorities at all levels, especially in faculty and senior staff positions, is one of his high priority goals," Kennedy said.

He pointed out that in 1978-79 the University "took steps to strengthen the affirmative action and equal opportunity programs," appointing Michael Montgomery executive director of the Office of Equal Opportunity, and Vice Provost Alison Casarett as equal opportunity officer, as well as adding staff to the office.

"We implemented a program whereby the University would provide to endowed units — on a continuing basis — additional funds to permit the recruitment of women and minorities at the tenured level, if the unit had a vacant position and if it had few or no women or minorities at the tenured level," Kennedy said.

"We also announced a program whereby the University would pro-

vide funds for all academic units to bring to campus an established minority or female scholar for one semester or, preferably, an entire academic year. Two such scholars will be on campus this fall," according to Kennedy.

In 1979-80 budget hearings with deans, directors and other unit heads will include a review of the efforts and the progress in the recruitment and appointment of women and minorities.

Among the 19 recommendations in the Task Force report, "Support by the President and Provost is Crucial" heads the list. Other recommendations under "general elements" include "Leaders Must Introduce Affirmative Action into Reviews" and "The Search Procedure is Crucial."

Under "faculty hiring," some recommendations are: "The Composition of the Search Committee is Important," "Special Effort is Needed to Attract Candidates to Cornell" and "Encourage Minorities and Female Ph.D.s to Stay."

Under "exempt staff hiring," the recommendations are: "Train for Promotion for Minorities and Women," "Special Recruiting Efforts are Needed for Minorities" and "Budgets Must be Supplemented for Searches."

Under "non-exempt hiring," the recommendations are: "Recruiting Efforts Must be Developed," "Innovative Programs Must be Developed" and "Special Efforts to Confront Racism and Sexism are Required."

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At the Employee Day three years ago, Senior Vice President William G. Herbster (left) and Provost David C. Knapp (now president of the University of Massachusetts) cooked chicken. Herbster will be working again this year, but without the cigarette. He quit.

Employee Day Oct. 6

Football and Chicken Roast

The annual Cornell Employee Football Day, complete with chicken barbecue and Big Red football, is set for Oct. 6.

The barbecue in Barton Hall precedes the 1:30 p.m. football game, when Cornell hopes to roast Bucknell at Schoellkopf Field. The annual "day" is co-sponsored by University Personnel Services and the Department of Physical Education and Athletics.

University employees may purchase up to four tickets for the game at \$2 each; reserved seat tickets for employees are normally \$4. Employees may also purchase up to four tickets for the barbecue at \$1.50 each.

But Employee Football Day won't be all play and no work: More than 60 employee volunteers are needed to help at the barbecue.

The Employee Day Committee, headed by Employee Trustees George Peter and Margaret Seacord, seeks assistance that will be "helpful in promoting a sense of team spirit." Cooking for the barbecue will be done by Cornell Catering Service, but volunteers are needed at the following times and jobs:

8:30 a.m.—nine people to set up

tables and chairs;

9:30 a.m.—nine people to set up tables;

10:30 a.m.—four people as "pourers" when the refreshment booth opens;

11 a.m. to noon—15 people to serve food;

Noon to 1 p.m.—15 people to serve food;

1 p.m.—10 people for clean up.

Volunteers should contact Seacord as soon as possible at 6-4341.

Employees will receive a coupon with a September pay check, explaining Employee Day procedures. To buy football and barbecue tickets, the coupon must be presented at the Teagle Hall ticket office from 9 a.m. to 5 p.m. between Sept. 24 and Sept. 28.

Employees with season tickets may purchase barbecue tickets by presenting their Bucknell game tickets at the Teagle ticket office.

Retired employees should contact University Personnel Services at 6-5226 about picking up their coupons. All other ticket questions should be directed to the Teagle ticket office at 6-7333.

A good turnout is anticipated for Employee Football Day, according

to the committee. "There are few occasions when employees of the Cornell community can get together socially. Employee Day provides us with this opportunity."

Athletic Director Dick Schultz called Employee Football Day "a very special occasion. It is a tribute to Cornell employees who have been so supportive of Big Red athletics over the years."

Council Okays Everett

New Ombudsman Named

The appointment of Herbert L. Everett, professor of plant breeding in the New York State College of Agriculture and Life Sciences, as University ombudsman was ratified by the Cornell Campus Council at its meeting last Thursday.

The announcement of Everett's appointment was made at a meeting last spring of the Executive Committee of Cornell's Board of Trustees and he has been serving in an acting capacity since Aug. 1.

In other action taken by the council at its meeting, a resolution was passed to hold an open forum by Oct. 3 to consider the construction of safety barriers for Cascadilla bridge. Two new committees also were established—the Internal Operations Committee (IOC) and the Finance Committee.

The IOC is responsible for the preparation and maintenance of bylaws dealing with the procedures of the council and the Finance Committee is responsible for dealing with requests from outside the Division of Campus Life to fund special activities.

As ombudsman, Everett will be responsible for receiving and investigating individual complaints, mediating disputes and designing procedures for dispute settlements where none exist.

Everett received his bachelor's, master's and Ph.D. from Yale University in 1944, 1947 and 1949, respectively. He came to Cornell in 1952 as assistant professor of plant breeding. He was director of Resident Instruction for the College of Agriculture and Life Sciences from 1966 to 1977; a project leader at the

University of the Philippines-Cornell Graduate Education Program, which was sponsored by the Ford Foundation, and, before coming to Cornell, a research assistant at the

Connecticut Agricultural Experiment Station, New Haven, Conn. At Cornell, he has been a member of the Faculty Council, the Board on CURW and various faculty commit-

tees for the College of Agriculture and Life Sciences. He served for many years as a member of the Commencement Committee and was chairman from 1974-77.

Second Meeting Today

Council in Founders Room

The second meeting of the Cornell Campus Council is scheduled for 4:45 p.m. today in the Founders Room, Anabel Taylor Hall.

Among the items on the agenda for the meeting are an address by Cornell President Frank Rhodes, a report from the Committee on Cornell University as an Employer (CUE) and the Committee on Committees (COC). There will also be a dis-

cussion of the third year review.

In accordance with the charter of the Campus Council, a third year review and evaluation of the council and its committees must be made this year. Rhodes has invited the comments of the Campus Council and the FCR on a draft proposed for review. This proposal suggests the establishment of an 11-member committee made up of three mem-

bers of the faculty, three students, and three employees, to be selected by the faculty and the COC in conjunction with the student and employee trustees. The remaining members would be named by the president, one of whom would serve as chairperson. William D. Gurowitz, vice president of campus affairs, would serve as ex officio, without vote.

The University as a Role Model

Rhodes Outlines Possibilities

"I'm sometimes worried," President Frank Rhodes said in a press conference last week, "that a place that is so intensely intellectual as Cornell may seem to suggest (to students) that all the world is to be found between the covers of books." He was responding to a question about what he saw as the University's part in providing a role model for students. "No institu-

tion," Rhodes said, "can provide a comprehensive model for individuals, but the University has at least three distinctive characteristics that may be of value."

"The University," Rhodes said, "symbolizes the richness of all that life has to offer. Though its primary concern is the life of the mind, it also stands for balance and provides ready antidotes to narrow special-

ism."

"I hope," he said, "that the variety of friendships, debates, cultural opportunities, dramatic, musical, political, social and athletic events that are available to students encourages them to live lives that used to be described as well rounded." He also said that while there are limitations as to what the University can provide it can provide two

other important things: "first of all it provides a respect for difference, an attitude built into the fabric of Cornell from the very earliest days."

He said that Andrew Dickson White in the very first ideas he had for the University "stressed a sexual and racial diversity that was really revolutionary when he wrote in the early 1860s...a respect for diversity,

not simply the toleration of diversity."

"The University," Rhodes said, "also stands for the reflective life, for the dispassionate analysis of issues as they come up. The role of reason in reaching decisions, even the most complex, or the most hotly debated issues, at the University provides a model for the whole of life."

Calendar Of Events

Lectures

Chemistry-Baker Lecture Series Professor Charles N. Reilley from the University of North Carolina will be the speaker at the Baker Lecture Series. His topic will be "Diverse Aspects of Analytical Chemistry." Reilley will speak at 11:15 a.m. Tuesdays and Thursdays during the months of September and October in 200 Baker Laboratory. His first lecture will be on Tuesday, Sept. 18.

September 13, 4:30 p.m. Goldwin Smith Hollis E. Cornell Auditorium. Public lecture: "Has History Made Progress?" Eric J. Hobsbawm, History, University of London and A.D. White Professor-at-Large.

September 18 & 20, 11:15 a.m. Baker Laboratory 200. Baker Lecture Series: "Diverse Aspects of Analytical Chemistry," Charles N. Reilley, University of North Carolina.

September 19, 8 p.m. A.D. White House. Literature Club "The Limits of Domesticity: The Female Bildungsroman, 1820-70," Beverly Voloshin, English, University of Rochester.

September 19, 8 p.m. Sapsucker Woods Ornithology Laboratory. Finger Lakes Group of the Sierra Club program: "Alaska's Lands — Who Should Own Them?" Michael D.T. Smith, Natural Resources and former director of the Alaska Division of Lands. Rides from Willard Straight and Ithaca Public Library at 7:30 p.m.

September 20, 4:15 p.m. Goldwin Smith 156. University Lecture: "Text, History and the Critical Subject: Notes on Peter Szondi's Hermeneutics in View of the Present Status of Critical Discourses," Rainer Nagele, German Literature, The Johns Hopkins University.

September 21, 3:30 p.m. Uris Hall G-92. Comedy/Philosophy with "The Other Side," lecture-demonstration introducing The Firesign Theatre. Special guests Karl Marx and The Beatles. Bob Lubarsky, mathematics.

Films

Except where noted; films are under sponsorship of Cornell Cinema.

September 13, 12:15 p.m. Warren 32. R.S. 300 "Agricultural Modernization and its Impact Upon Society Series": "Traditional Small Town," small town life and the forces destroying them.

September 13, 8 p.m. *Uris Hall Auditorium. "State of Siege." CUSLAR and Cornell Cinema.

September 14, 7:30 p.m. Uris Hall Auditorium. Pentangle II Film Series: "Boudou Saved From Drowning" (Renoir, 1932, France); short: "If Wishes Were Horses" (John Watson, Canada).

September 14, 9:45 p.m. *Uris Hall Auditorium. "The Man Who Would Be King."

September 14, 12:15 a.m. *Uris Hall Auditorium. "A Day at the Races."

September 16, 8 p.m. *Uris Hall Auditorium. "All Quiet on the Western Front."

September 17, 9 p.m. *Uris Hall Auditorium. "Red Beard." Film Club members only.

September 18, 8 p.m. *Uris Hall Auditorium. "Last Tango in Paris."

September 19, 4:30 p.m. Uris Hall Auditorium. "Muddy Waters" (Imai, 1953). Japanese Film Series sponsored by China-Japan Program.

September 19, 8 p.m. *Uris Hall Auditorium. "She Wore a Yellow Ribbon" and "Directed by John Ford."

September 20, 12:15 p.m. Warren 32. R.S. 300 "Agricultural Modernization and its Impact Upon Society Series": "Pleasure Domes and Money Mills" resorts and recreation towns with increased profits and decline in quality of life.

September 20, 8 p.m. *Uris Hall

Auditorium. "Lifeboat."

September 21, 7:30 p.m. Uris Hall Auditorium. "The Searches" (Ford, 1956, U.S.); short: "Sisyphus" (Jankovica, 1975, Hungary). Pentangle II Film Series.

September 21, 10 p.m. *Uris Hall Auditorium. "Bread and Chocolate."

September 21, midnight *Uris Hall Auditorium. "It's A Gift."

September 22, 7:30 & 9:30 p.m. *Uris Hall Auditorium. "Bread and Chocolate."

September 22, 8:30 & 10 p.m. *Statler Auditorium. "Young Frankenstein."

September 22, 11:30 p.m. *Uris Hall Auditorium. "It's A Gift."

September 23, 8 p.m. *Uris Hall Auditorium. "Pandora's Box."

Religion

Rabbi Dov Peretz Elkins, founder and director of Growth Associates, a human relations consulting firm in Rochester, will be the speaker at the Sage Chapel Convocation at 11 a.m. Sunday, Sept. 16. His topic will be "Human Sexuality: A Jew's Personal View." Elkins is the third in a series of speakers for September on the general theme "The Family of Origin."

A nationally known lecturer, educator, workshop leader, human relations trainer, author and book critic, Elkins does couple and family therapy, individual and group counseling, and consulting for educational, community and industrial organizations.

A 1958 graduate of Gratz College for Hebrew Teachers, Elkins received his bachelor's degree in literature from Temple University in 1959 and his M.H.L. from the Jewish Technological Seminary in 1962. In 1964 he was ordained and received his doctorate in counseling in humanistic education in 1976 at Colgate Rochester Divinity School.

Elkins is the author and editor of 15 books, including "Humanizing Jewish Life: Judaism and the Human Potential Movement," and has written widely for the Jewish and general press, including such journals as "The Christian Century," "Judaism," and "Religious Education."

Music for the convocation will be provided by the Sage Chapel choir under the direction of Donald R.M. Paterson, University organist and Sage Chapel choirmaster.

In connection with the general theme, the fall Conference on Religion will be held Sept. 13-16. The conference theme is "Perspectives on Human Sexuality: What's It All About?"

The film, "Alfie," will open the conference at 7 p.m. Thursday, Sept. 13, in the Anabel Taylor Hall Auditorium. Twenty discussion leaders from the ranks of psychologists, social workers, family counselors and clergy will meet with the participants after the showing of the film.

Elkins will be featured at a plenary session at 8:30 p.m. Friday, Sept. 14, in the third floor lounge, Noyes Center, and there will be workshops from 2 to 4 p.m. Saturday, Sept. 15, Anabel Taylor Hall. The conference is sponsored by CURW and is free and open to the public.

Monday through Friday, 12:15 p.m. Anabel Taylor G-19. Catholic Mass.

September 14, 6 p.m. Anabel Taylor Founders Room. Shabbat Services (Conservative).

September 14, 6 p.m. Anabel Taylor Chapel. Shabbat Services (Reform).

September 14, 7:30 p.m. Young Israel House, 106 West Avenue. Shabbat Services (Orthodox).

September 14, 12 midnight. Anabel Taylor Founders Room. Selichot Services (Conservative).

September 15, 1 a.m. Young Israel

House, 106 West Avenue. Selichot Services (Orthodox).

Every Saturday, 4:30 p.m. Anabel Taylor G-24. Catholic Confessions.

Every Saturday, 5:15 p.m. Anabel Taylor Auditorium. Catholic Eucharist.

Every Sunday, 9:30 a.m. Anabel Taylor Founders Room. Korean Church at Cornell.

Every Sunday, 9:30 a.m. Anabel Taylor Chapel. Episcopal Eucharist Worship Service. Coffee hour after in Founders Room.

Every Sunday, 9:30 & 11 a.m. Anabel Taylor Auditorium. Catholic Eucharist. Church school and nursery care provided. Coffee hour after in One World Room.

Every Sunday, 9:45 a.m. Anabel Taylor Forum. Ithaca Society of Friends (Quakers) adult discussion followed by meeting for worship at 11 a.m.

September 16, 11 a.m. Sage Chapel. Dov Elkins, Rabbi; Founder/Director, Growth Associates, Rochester, NY: "Sexuality and the Jewish Family."

Every Sunday, 11:15 a.m. Anabel Taylor Chapel. Protestant Church at Cornell. Coffee and conversation after.

Every Sunday, 5:15 p.m. Anabel Taylor Auditorium. Catholic Eucharist.

September 21, 5:30 p.m. Anabel Taylor One World Room. Rosh Hashanah Dinner.

September 21, 7 p.m. Statler Auditorium. Rosh Hashanah (Conservative).

September 21, 7 p.m. Anabel Taylor Edwards Room. Rosh Hashanah (Orthodox).

September 21, 7 p.m. Anabel Taylor Auditorium. (Reform).

September 22, 9 a.m. & 7 p.m. Statler Auditorium. Rosh Hashanah (Conservative).

September 22, 8:30 a.m. & 7 p.m. Anabel Taylor Edwards Room. Rosh Hashanah (Orthodox).

September 22, 10 a.m. Anabel Taylor Auditorium. Rosh Hashanah (Reform).

September 22, 1 p.m. Anabel Taylor One World Room. Rosh Hashanah Lunch.

September 23, 8:30 a.m. Anabel Taylor Edwards Room. Rosh Hashanah (Orthodox).

September 23, 9 a.m. Statler Auditorium. Rosh Hashanah (Conservative).

September 23, 11 a.m. Sage Chapel. Brian McNaught, writer, editor, Gay Catholic Activist, Brookline, Massachusetts.

September 23, 5:30 p.m. Anabel Taylor Hillel Office. Rosh Hashanah Tashlich. Walk together to creek near Willard Straight.

Religious Meetings

September 13, 12:20 p.m. Anabel Taylor Forum. Jewish-Christian Relations with Rabbi Henry Morris and Ingrid Olsen-Tjensvold. Bring a bag lunch.

Every Thursday, 7 p.m. Anabel Taylor Founders Room. Christian Science Organization. Faculty, students, staff and visitors to campus are welcome at weekly readings and testimonies meetings.

Every Friday, 7:30 p.m. Anabel Taylor Edwards Room. Cornell Christian Fellowship meeting for prayer, singing and sharing.

September 17, 7:30 p.m. Anabel Taylor G-30. Midrash Seminar with Rabbi Morris Goldfarb.

September 18, 7:30 p.m. Anabel Taylor 314. Yiddish Class with Ruth Korman.

September 19, 7:30 p.m. Anabel Taylor 314. Hebrew class with Ora Leivant.

September 19, 7:30 p.m. Anabel Taylor G-34. Bible Seminar with Rabbi Henry Morris.

September 20, 12:20 p.m. Anabel Taylor Forum. Jewish-Christian Relations with Rabbi Henry Morris and Ingrid Olsen-Tjensvold. Bring a bag lunch.

Meetings

September 13, 7:30 a.m. Anabel Taylor One World Room. Disarmament Study Group breakfast and discussion. Contact Anabel Taylor main desk for information.

September 13, 4:45 p.m. Anabel Taylor Founders Room. Campus Council.

September 13, 7:30 p.m. Uris Hall G-92. Community Against Rape. Members and interested persons.

September 17, 7:30 p.m. Straight North Room. Democratic Socialist Organizing Committee organization meeting for future activities.

September 19, noon and 7 p.m. Barton Hall Naval ROTC Blockhouse. Diet workshop. Call 277-2113 or 272-7766 for information.

September 19, 4:30 p.m. Ives 212. Campus Council CUE.

September 19, 7:30 p.m. Straight Loft 4. Committee Against Racism.

Sports

September 15, 2 p.m. *Schoellkopf. Cornell Varsity Soccer-Brockport.

September 17, 4 p.m. Helen Newman Courts. Cornell Women's Varsity Tennis-Rochester.

September 17, 4:30 p.m. Upper Alumni Field. International Intercollegiate Rugby Match with Cornell Rugby Club vs. Manchester University, England.

September 18, 4 p.m. Grumman Squash Courts Building Intramural Office. Intramural Sailing. Men, Women, Co-ed deadline on entries. Races will be sailed on Saturday and Sunday, September 22 and 23. Minimum of two to enter. Life jackets must be worn.

September 19, 3:30 p.m. Helen Newman Field. Cornell Women's Varsity Field Hockey-Colgate.

September 21, 4:45 p.m. *Noyes Center. Trip to Vernon Downs Harness Race Track. Information and signups at Noyes Center Desk, 256-6380.

September 23, 10 a.m.-6 p.m. Central Campus. Pepsi-MS Bicycle Races (USCF Sanctioned). Finger Lakes Cycling Club. For more information contact Leigh Phoenix, 248 Upson Hall, 256-3462.

Every Monday through Friday, 5-7 p.m. Martha Van Rensselaer Auditorium. Cornell Karate Club and team training. Beginners welcome.

Grad Bulletin

A meeting of the Graduate Faculty will be held at 4:30 p.m. Friday, Sept. 14, in Kaufmann Auditorium, Goldwin Smith Hall. The order of business will be the voting of August degrees.

Graduate students who have Cornell administered awards that provide tuition are reminded that the credit for their tuition should appear on their Sept. 10 or Oct. 10 billing statement.

Graduate students who are New York State residents are reminded to apply for a TAP award, even if tuition is not paid by a fellowship or assistantship. Contact the Bursar's Office, 260 Day Hall, for information and application forms.

Cornell graduate fellowships, traineeships, assistantships, and scholarships do not cover Student Health Insurance charges. Students are personally responsible for these expenses.

Persons interested in applying for a 1980-81 Fulbright-Hays Grant for Graduate Student abroad should arrange for an appointment with Jeanne Bowen, Fulbright Program Adviser, 116 Sage Graduate Center, phone 256-4884. Applicants must be U.S. citizens, have a bachelor's degree by the beginning date of the grant, have received the majority of their high school and undergraduate education at institutions in the United States, have language proficiency sufficient to communicate with the people of the host country (generally, two years of

college level foreign language study), and be in good health. The deadline to request application materials is Sept. 28. Applicants must return their completed, typed application and all supporting credentials to the Fellowship Office, 116 Sage Graduate Center, by Oct. 5.

All completed optical mark course registration sheets should be turned in to Sage Graduate Center by Friday, Sept. 21.

Graduate students are reminded that in nominating their Special Committees, only members of the Graduate Faculty of the appropriate field may represent major or minor subjects.

Graduate students whose employment is other than a teaching or research assistantship and is in excess of 10 hours per week (and is not contributory toward degree) or 20 hours per week (and is contributory) may be eligible for proration of tuition. Applications are available at the Information Desk, Sage Graduate Center.

Doctoral candidates who have completed four years of residence, are not receiving money from Cornell, and who need only library facilities (use of carrel included) to complete their theses may be eligible for a special tuition rate of \$400. Check with the Graduate School for details and application forms.

Seminars

Boyce Thompson Institute. "Soybean Seed Germination: Stress on Membranes by Hydration and Dehydration," Carl Leopold, 4 p.m. Wednesday, Sept. 19, Boyce Thompson Institute Auditorium.

Campus Life "A Review of Orientation," Sandy Stein and other Orientation staff and participants. 9-10:30 a.m., Thursday, September 13. Straight Elmhuist Room.

Engineering "A New Spheromak Formation Scheme and Design of the S-1 Spheromak Device," M. Yamada, Princeton Plasma Physics Laboratory, 4:30 p.m. Wednesday, Sept. 19, 282 Grumman.

Ecology and Systematics "Grazing Ecology in a Savannah-Grassland Ecosystem," Samuel J. McNaughton, Syracuse University, 4:30 p.m. Wednesday, Sept. 19, Langmuir Penthouse.

Food Science "Food Safety — The Present Scene and What Is Needed," Sanford A. Miller, director, Bureau of Foods, Food and Drug Administration, 4:30 p.m. Tuesday, Sept. 18, 204 Stocking Hall.

General Chemistry "Catalysis by Metals," John Sinfelt, Exxon Research and Engineering Corp., 4:40 p.m. Thursday, Sept. 20, 119 Baker Lab.

Geological Sciences "The Northern Iapetus Margin in Britain: An Ancient Accretionary Fore-Arc," Jeremy Leggett, Imperial College, 4:30 p.m. Tuesday, Sept. 18, 205 Thurston Hall.

Materials Science and Engineering "Environmentally Assisted Fracture in Zirconium Alloy Fuel Cladding for Nuclear Reactors," R. Gangloff, General Electric Co., Schenectady, 4:30 p.m. Thursday, Sept. 13, 140 Bard Hall.

Microbiology "Incidence and Importance of Viruses Infecting Spiroplasmas," Alan Liss, National Institute of Allergy and Infections, 4:30 p.m. Thursday, Sept. 13, 124 Stocking Hall.

Natural Resources "Intensive Culture Walleye: Factors Affecting the Conversion of Juveniles to Dry Diets," Luciano Corraza, 4 p.m. Thursday, Sept. 13, 304 Fernow Hall.

Operations Research "Linear Programming and the Completion of Partial Latin Squares," L. E. Trotter Jr., 4:30 p.m. Tuesday, Sept. 18, 305 Upson Hall.

Organic/Inorganic Chemistry "Methods for Acyclic Stereochemical Control," W.C. Still, Columbia University, 8:15 p.m. Monday, Sept. 17, 119 Baker Laboratory.

Plant Physiology "Effects of Praline and Betaine on Enzyme Protection."

Leslie Paleg, Waite Agricultural Research Institute, University of Adelaide, Australia, 11:15 a.m. Friday, Sept. 14, 404 Plant Sciences.

Psychology "Development of Visual Cliff Response," Nancy Rader, UCLA, 3:30 p.m. Friday, Sept. 14, 202 Uris Hall.

Physiology "Regulation of Calcium-Binding Protein Biosynthesis in the Rat by Calcium and Vitamin D," Felix Bronner, Department of Oral Surgery, University of Connecticut Health Center, 4:30 p.m. Tuesday, Sept. 18, G-3 Vet. Research Tower.

Statistics "Studentized Residual Roles for the Multivariate Regression Single-Outlier Problem," Steven J. Schwager, 3:35 p.m. Wednesday, Sept. 19, ILR Conference Center.

Theoretical and Applied Mechanics "Applications of Acoustic Emission Testing," E. Grabec (Yugoslavia), 4:30 p.m. Wednesday, Sept. 19, 205 Thurston Hall.

Dance

Every Tuesday, 7:30 p.m. Martha Van Rensselaer Auditorium. Folk Dancing for couples. Singles, beginners, all ages welcome.

Every Wednesday, 7:30-11 p.m. Straight Memorial Room. Cornell Folk Dancers International Folk dancing; teaching for beginners 7:30-9 p.m.; request dancing 9-11 p.m.

Every Thursday, 7:30 p.m. Anabel Taylor One World Room. Israeli Folk Dancing.

Every Sunday, 7:30-11 p.m. Straight North Room. Cornell Folk Dancers International Folk Dancing; intermediate teaching 7:30-8:30 p.m.; requests 8:30-11 p.m.

Social Events

September 15, 8:30 p.m. *Straight Memorial Room. Cornell Outing Club Square Dance.

September 18, 8:30 p.m. Noyes Center 3rd floor lounge. Noyes Center Program Board. "Spotlite" with Steve Brown Duo, jazz guitar.

September 22, 8 p.m. Straight Memorial Room. International Activities Group get together with "Bacons Folly." Square dance, international food and drink.

Music

September 14, 8 p.m. *Bailey Hall. Cornell Concert Commission with Joe Jackson and "The Records."

September 20, 8:15 p.m. *Statler Hall. Faculty Committee on Music "Tokyo String Quartet." Works of Mozart, Bartok, Beethoven.

September 22, 9-11 p.m. Jim Gelfand will perform "Rimbaud's Sail" and other original songs.

Exhibits

Herbert F. Johnson Museum "Joseph Hanson," paintings and drawings consisting mainly of still lifes, figure studies and landscapes. September 12-October 14; "Cornell University Department of Art Faculty Exhibition," featuring the work of present and emeriti faculty members. September 12-October 21. "Selections from the Permanent Collection."

Colloquia

Astronomy and Space Sciences "The Deep Earth Gas," Thomas Gold, Cornell, 4:30 p.m. Thursday, September 13, Space Sciences 105.

Astronomy and Space Sciences "Infrared Polarization of Dense Molecular Clouds," Roger F. Knacke, Earth and Space Sciences, Stony Brook, 4:30 p.m., Thursday, September 20, Space Sciences 105.

CIVITAS

By Mary McGinnis,
Coordinator, CIVITAS

CIVITAS is the place to come if you want to volunteer in Ithaca this semester. We can find a job for you in one of Ithaca's human service agencies, in the local schools or in non-profit organizations for the arts. We talk personally with each potential volunteer to set up a placement which matches a community need with the volunteers whose interests are unique. Day care centers and the schools, nursing homes and other services for the elderly, facilities for the handicapped and a variety of programs for young people welcome volunteers to help their professional staff. The opportunities are varied, and often you can structure what you are going to do to capitalize on your special talents.

As you firm up your schedule over the next few days, think about setting aside a block of time to help make someone else's life better. Most students volunteer 2 to 3 hours each week. Many agencies ask for an academic year's commitment if at all possible, but others are pleased with a guarantee of one semester's work.

Watch for our ad every Wednesday in the Cornell Sun. We use this weekly space to let you know the special requests we have received and to update information on community programs you may wish to help. Our office at 125 Anabel Taylor Hall is open Monday to Friday 10 a.m. to 2 p.m. Our phone is 256-7513.

This Week's Requests

Long-term health care facility: Needs volunteers to visit patients who are discouraged and don't go to any events or activities. Once a week or once every other week, at times convenient to the volunteer.

Information and Referral Service: Here is a great opportunity to learn about human services in a small community. This service needs helpers to answer the phone and to

assist with publicity. Training sessions to take place late Sept. or early Oct., at volunteers' convenience. After training volunteers expected to give 4 hours a week, Mon.-Fri., 9-1 or 1-5.

Local Museum Seeks volunteer receptionists to sit at desk, guide visitors, give out information. Tues., Wed., Thurs., or Fri. from 1-3 or 3-5. This museum specializes in the history of upstate New York and is located downtown.

Youth Program for Disadvantaged Youngsters: Two leaders needed to work together in outdoor living program: canoeing, camping, x-country skiing for boys, 10-13 years. Two hours a week, afternoons or Sat. anytime. A challenging assignment. Also needed are leaders for a cooking/nutrition program for girls or boys, 7-12 years. Weekday afternoons or evenings or Sat. anytime.

Developmentally Disabled Adults Living in hostels and apartments need help learning to answer phones, cook, learn universal symbols, penmanship. No training sessions, though help will be provided on the job by professionals. Commitment of one semester.

Expressive and Performing Arts: Saturday morning program for children needs helpers with an interest in puppetry, creative drama, costume and set design, lighting, writing. No experience necessary. Also needed: help with publicity for news releases, some typing assistance. The latter at volunteer's convenience.

Deaf Student: On campus, deaf student would like help in studying material from the following courses: Plant Pathology 300 & 301; Floriculture 313 (Woody Plants), and Orientation 5 in the Ag School. CIVITAS is funded in part by the Student Finance Commission and open to the entire Cornell community.

Sponsored Programs

General Guidelines

The Office of Sponsored Programs serves the Cornell academic community in many ways. One important function is to help identify outside funding sources for research projects or scholarly activities. These outside funding sources frequently have special requirements with which this office is familiar. The University also has special requirements affecting proposals for outside funding. In order to alert the Cornell Faculty to funding sources and to special information or requirements, the Office of Sponsored Programs plans to use this Chronicle space regularly. The following considerations apply to all proposals:

1. All proposals for outside funding must have the concurrence and signature of the appropriate Department Head and Dean. The research proposals are reviewed and forwarded by the Office of Sponsored Programs to the sponsoring agency.

2. Any project involving the use of humans as subjects, must be submitted for review to the University Committee on Human Subjects, Dennis T. Regan, Chairman, 123 Day Hall.

3. All research involving Recombinant DNA must be submitted to the University Committee on Recombinant DNA,

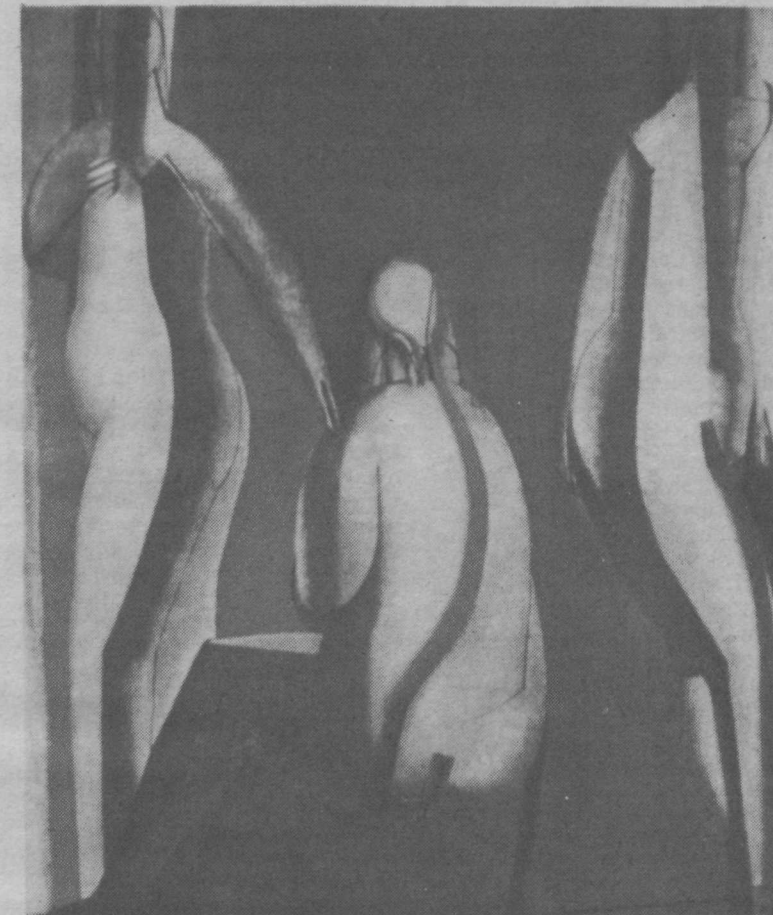
June Fessenden-Raden, Chairperson, 630 Clark Hall.

4. Proposals that involve construction or renovation of existing facilities may require special approval and, under certain circumstances, other proposals may need Board of Trustee approval.

5. It should be noted that NIH has recently issued revised guidelines for research grant applications which became effective immediately. Please contact the Office of Sponsored Programs for information on these changes. It is also our intention to advise you of agency announcements and deadlines as we become aware of them. Application information and help with proposal procedures are available from the Office of Sponsored Programs in 123 Day Hall, 6-5014.

CETA

The Tompkins County CETA Office is accepting proposals for public service employment positions at Cornell. Each position created must be a new service and may not replace an existing job at Cornell. CETA funds are to be used as funds of last resort and may not be used in place of other funding. Positions could begin as soon as October 1, 1979, and will end September 30, 1980; salaries should



"Three Figures (at the Edge of Dark)" is on view at the Herbert F. Johnson museum of Art as part of an exhibition of 26 paintings and 14 drawings by J.M. Hanson, an English artist who trained in Paris with Fernand Leger and Amadee Ozenfant and who taught here from 1945 until his death in 1963. The annual Department of Art Faculty Exhibition is also on view at the museum. Zevi Blum, chairman and associate professor, Kenneth Evett, professor emeritus, Marja Vallila, visiting assistant professor, and Eleanore Mikus, assistant professor, are among the 18 Cornell artists whose works are represented. The museum is open to the public from 10 a.m. to 5 p.m. Tuesdays through Sundays.

not exceed \$3.41/hour. The contact for this program in the Office of Sponsored Programs is Jane A. Youngers.

Department of Energy

Faculty Development Projects in Energy, Nov. 1. The program budget for FY1980 is \$1.4 million; approximately 100 awards are to be made. In the past, the program has focused on summer workshops designed to improve high school and college teachers' knowledge of energy-related subjects.

National Endowment for the Humanities

Youth Programs in the Humanities, Nov. 15, NEH Youth Projects - Require Preliminary Proposals, Dec. 1; Formal Applications, Jan. 15, 1980. NEH Youth Projects are designed to encourage new and challenging out-of-classroom opportunities for young people to develop their knowledge and skills in the humanities. Major Project Grants are intended for extensive implementation support. Planning and Pilot Grants are intended for smaller groups.

National Endowment for the Humanities

Research Materials Grants - Research Tools - To create Atlases, Biographies, Dictionaries, Encyclopedias, Linguistic Grammars, Concordances, Catalogues and Guides, Oct. 1. Editing: To make works and papers of significant authors or historical figures available in authoritative, newly annotated texts. Areas of support include European and American

history and literature, musicology, philosophy and political science.

Office of Education

Graduate and Professional Opportunities Program, Oct. 17. The program's objective is to increase access into graduate and professional education leading to employment by serving members of groups, particularly minorities and women. Fellowships may be allocated to institutions of higher learning; institutional grants may be given and inter-institutional cooperation is encouraged.

Woodrow Wilson Int. Center

Fellowship Program, Oct. 1. Residential in nature — 4 months to one year tenure.

National Science Foundation

Comprehensive Assistance to Undergraduate Science Education, Nov. 9. CAUSE is an experimental project for science education resources improvement, and encourages the improvement in quality and effectiveness of undergraduate science education in institutions of higher learning.

Reminders Rockefeller Fdn. Humanities

Fellowships, First Stage Proposal, Oct. 1. Application procedures available in the Office of Sponsored Programs. John Simon Guggenheim Fellowships, Oct. 1. Applications available only from Foundation - 90 Park Avenue, New York, New York, 10016. (212) 687-4470.

People

Edward J. Parker Jr., an educator with a long and varied career in New York State, has been appointed associate dean of the Graduate School at Cornell University. He assumes the position held by Alison Casarett, who was elected dean of the Graduate School in July. William W. Lambert's six-year term as dean ended in June. Parker was an associate professor of biology for seven years at the State University of New York Agricultural and Technical College at Morrisville before coming to Cornell. He previously taught seven years at the State University College at Oswego, three years at Berne-Knox Central School in Berne, and one year at Carmel (N.Y.) Central School. He was associate director of an Institute in Radiation Biology at the State College of Veterinary Medicine here from 1969 to 1971.

Tyrone Brown, Federal Communications Commissioner since November 1977, has been named to the Advisory Council to the Law School, from which he graduated in 1967. Comprised of leading scholars and practitioners in the legal field, the council meets periodically to discuss the overall goals and policies of the school.

John E. Kinsella, chairman of the department of food science, Ag and Life Sciences, has been awarded a \$153,000 grant from the National Science Foundation for a three-year study of aspects of phospholipid synthesis in animals. Phospholipids are important components of cellular membranes, and an understanding of how their synthesis is regulated in animal cells could in-

crease our understanding of how cancer cells proliferate.

Leroy L. Creasy, Ag and Life Sciences, has been elected president of the Phytochemical Society of North America for a one-year term. The society, with members in North America and 12 overseas countries, is dedicated to the promotion of scientific investigations of plant biochemistry.

Gerald F. Combs Jr., animal nutritionist, Ag and Life Sciences, has received the 1979 Poultry Science Research Award from the Poultry Science Association. The award, consisting of a \$500 prize and a scroll, recognizes outstanding research published in the Association's journal, "Poultry Science," during the preceding year.

Dr. John H. Whitlock of the Department of Pathology in the State College of Veterinary Medicine, had been named professor emeritus. He has been on the Cornell faculty since 1944 and served on the Board of Trustees from 1971 to 1976. He was speaker of the first Faculty Council of Representatives, member of the University's Constituent Assembly and later the University Senate.

Harold B. Tukey, professor of ornamental horticulture, Ag and Life Sciences, is one of 14 members of the American Society for Horticultural Science to be elected fellows of the society.

Linda R. Waugh, associate professor of linguistics, Arts and Sciences, is co-author of a book, "The Sound Shape of Language," published in July by Indiana University Press.

C. Arthur Bratton has been named professor emeritus in the Department of Agricultural Economics, Ag and Life Sciences. His major research has been on factors which affect farm incomes, farm labor management and farm family decision-making.

Arthur Groos, associate professor of German literature and director of the Medieval Studies Program, has won a Fulbright-Hays Research Fellowship to Germany for 1979-80. In April, Groos was one of eight Cornell faculty to win 1979 Guggenheim Fellowships. He will use both fellowships in the 1979-80 academic year to do research on religion and science in Wolfram von Eschenbach's "Parzival" at the University of Munich.

James C. White, a specialist in food bacteriology, ecology and energy conservation, has been named assistant dean for academic affairs in the School of Hotel Administration at Cornell University. Dean Robert A. Beck, who made the announcement, said White is responsible for a continuing reevaluation and development of the school's curriculum in light of the changing needs of the hospitality industry, which is being affected in particular by the world-wide energy crisis. He said White will concentrate on the full range of academic and faculty concerns that up to now have been shared by the dean and other staff.

Wendy B. Phoenix, marketing director of Criterion Analysis, Inc., a statistical consulting firm located in Dallas, Texas, has been named director of administration for the Public Management Program at the Graduate School of Business and

Public Administration. She replaces **Jan K. Orloff**, who left Cornell earlier this year for a similar post at Stanford University's Business School. Phoenix, a 1972 graduate of Cornell and a 1976 graduate of the B&PA school, is responsible for admissions, placement, counseling and program development for the Public Management Program.

Peter L. Steponkus has been elected professor of crop physiology in the Department of Agronomy, Ag and Life Sciences.

William J. Arion, has been promoted to professor of biochemistry in the Department of Veterinary Physiology, Biochemistry and Pharmacology in the State College of Veterinary Medicine.

W. Shaw Reid has been promoted to professor of soil science in the Department of Agronomy, Ag and Life Sciences.

Linda A. Ritzler, administrative aide in the extension and continuing education office, State College of Veterinary Medicine, has been named the first honorary member of the Southern Tier Veterinary Medical Association.

Michael Chapman and **James E. Young** of the staff at the James A. Baker Institute for Animal Health, State College of Veterinary Medicine, have been honored by the Upstate New York Branch of the American Association for Laboratory Animal Science. Chapman for his service to the society and Young for work in a specific-pathogen-free beagle colony.

Don M. Jager, known professionally as **Don Martin**, has retired as general manager of radio station WHCU, it was announced by Cornell University Treasurer Robert T. Horn. Named as acting general manager is **Rudy E. Paolangel**, who has been with the station as sales manager, announcer and salesman for 18 years, and who has built other stations in Upstate New York. **Robert A. Cardwell** has been appointed sales manager at the station. Martin has been general manager of WHCU since 1968. Paolangel is a native Ithacan and a 1954 graduate of Ithaca College.

Michael E. Silver of Midland, Mich., a graduate student in the Department of Chemistry has been awarded a Dow Fellowship for the 1979-80 academic year. The fellowship is sponsored by Central Research-Dow Chemical U.S.A., an operating unit of the Dow Chemical Co.

Silver is part of a research group at Cornell working to determine the shapes of small inorganic molecules and to understand why they have the shapes they do.

Stephen Lichtenbaum, professor of mathematics in the College of Arts and Sciences, has been elected chairman of the Department of Mathematics for a two-year term. Lichtenbaum joined the Cornell faculty in 1967. Before coming to Cornell he was a lecturer at Princeton University for three years.

Jobs

The following are new jobs posted this week:

Clerical

Accounts Coord., GR20 (HD&FS)
Secretary, GR19 (Nutr. Sci.)
Admin. Aide, GR19 (Admin. Operations, Ag. Dean)
Library Aide, GR18 (Univ. Lib., Hotel)
Library Aide, GR18 (Univ. Lib., Olin) (3)
Secretary, GR18 (Div. of Bio. Sci.)
Secretary, GR18 (Office of Admissions)
Word Processing Op., GR18 (B&PA)
Accounts Assist., GR18 (Dean's Office, A&S)
Secretary, GR17 (B&PA)
Library Aide, GR17 (U. Lib., Olin) (2)
Library Aide, GR16 (U. Lib., Olin) (2)
Secretary, GR16 (Ag. Economics)
Secretary, GR16 (Preventative Med.)
Secretary, GR16 (Hotel Admin) (2)
Secretary, GR16 (Botany, Genetics & Dev.)
Account Clerk I, NP-6 (Food Science)
Library Asst. II, NP-5 (Flower Vet. Lib.)

Technical

Res. Supp. Spec. II, CPO4 (Diag. Lab.)
Res. Supp. Spec. II, CPO4 (Mat. Sci. Res. Cntr.)
Res. Supp. Spec. I, CPO3 (Food Science)
Comp. Prod. Controller, GR22 (Comp. Servcs.)
Comp. Operator, GR22 (Computer Services)
Comp. Operator, GR20 (Comp. Services)
Technician, GR20 (Chemistry)
Research Aide, GR17 (Ornithology)
Tech. Aide I, NP-9 (Diag. Lab.)
Tech. Aide, I, NP-9 (Preventative Med.)

Service & Maintenance

Dining Supervisor, CPO2 (Dining Services) (2)
Trade Shop Assist. (Maint. & Service Ops.)
Gallery Preparator, GR22 (Johnson Museum)
Univ. Serv. Officer, GR20 (Public Safety)
Food Service Worker, GR17 (Dining Services)
D.M.O., GR16 (Dining Services)
Food Service Worker, GR14 (Dining Services)
Tech. Aide II, NP-11 (TV. Radio, Film/Med. Serv.)
Prod. Assist., NP-8 (Vet. Admin)

Administrative/Professional

Reg. Dir. I, CPO4 (Publ. Affairs Upstate Reg. Off., Ithaca)
Personnel Assoc. II, CPO4 (Comp. Spec.)
Exec. Staff Asst. IV, CPO8 (Vet. Med.)
Admin. Mgr. II, CPO5 (Cornell Plantations)
Student Dev. Spec. III, CPO4 (Intnl. Stud. Office)
Accountant (Univ. Press)

Part-time and/or Temporary

Temp. Svc. Clerical (B&PA)
Temp. Svc. Clerical (Johnson Museum)
Secretary, GR18 (Media Services)
Secretary, GR18 (B&PA)
Secretary, GR17 (Education)
Secretary, GR16 (Biological Sci.)
Library Aide, GR15 (U. Lib., Olin)
Temp. Svc. Clerical (CR&SR)
Kennel Worker I, NP-5 (Vet. Micro., Baker Inst.)
Custodian, GR16 (Residence Life)

Temp. Svc. Bldg. Guard (Johnson Museum)
Lab. Tech. I, NP-8 (Nutr. Sci.)
Tech. Aide I, NP-9 (Food Science) (2)
Technician, GR20 (Chemistry)
Res. Supp. Spec. I, CPO3 (U. Lib., NY Hist. Res. Cntr.)
Temp. Svc. Prof. (Managing Editor) (B&PA)

The following positions were posted within the last 2 weeks:

Clerical

Accts. Coord., GR24 (Lab. Nuc. Studies)
Admin. Aide, GR21 (Budget Office)
Admin. Aide, GR21 (Food Service)
Secretary, GR20 (CR&SR)
Secretary, GR20 (HD&FS)
Secretary, GR19 (Food Science)
Admin. Aide, GR19 (Animal Science)
Admin. Secretary, GR18 (Univ. Press)
Library Aide, GR18 (U. Lib., Olin)
Secretary, GR18 (Law School)
Res. Aide, GR18 (Ag. Ec.)
Office Assist., GR18 (Financial Aid)
Office Assist., GR17 (Hotel Admin.)
Secretary, GR17 (Human Ecol. Admin.)
Word Processing Op. Trainee, GR17 (Fac. & Bus. Op.)
Library Aide, GR16 (U. Lib., Olin)
Secretary, GR16 (NYSSILR)
Secretary, GR16 (Bailey Hortorium)
Secretary, GR16 (Univ. Development) (2)
Trans. Clerk, NP-6 (Medical Records)
CRT Operator, NP-4 (Animal Science)
Service & Maintenance
Electrician (Maint. & Serv. Oper.)
Machinist, GR24 (Technical Services)
Copy Prep. Spec., GR18 (Graphic Arts)

Food Svc. Worker, GR17 (Dining Svcs.) (2)
Custodian, GR16 (Residence Life) (2)
Custodian, GR16 (Bldgs. & Grounds) (8)

Food Svc. Worker, GR14 (Dining Services)
Herds Worker Asst., NP-9 (Animal Sci.)
Lab. Tech. I, NP-8 (Media Services)
Office Mach. Op. III, NP-7 (Media Services)
Jr. Lab. Tech., NP-6 (Diag. Lab.)
Kitchen Helper, NP-5 (Food Science)
Field Asst. I, NP-4 (Plant Bred. & Biom.)
Bldg. Maint. Worker I, NP-7 (Animal Sci.)

Technical

Tech. Svc. Super., CPO4 (Lab. Nuc. Stud.)
Appl. Prog., CPO4 (OCS-Admin. Prog. Serv.)
Res. Supp. Spec. II, CPO4 (Vet. Pathology)
Ext. Supp. Aide, CPO2 (Coop. Ext., NYC)
Experimentalist I, NP-11 (Pomology & Vit., Geneva)
Lab. Tech. I, NP-8 (Vet. Micro., Baker Inst.)
Lab. Tech. I, NP-8 (DCS-Mastitis Cont., Springville) (2)

Administrative/Professional

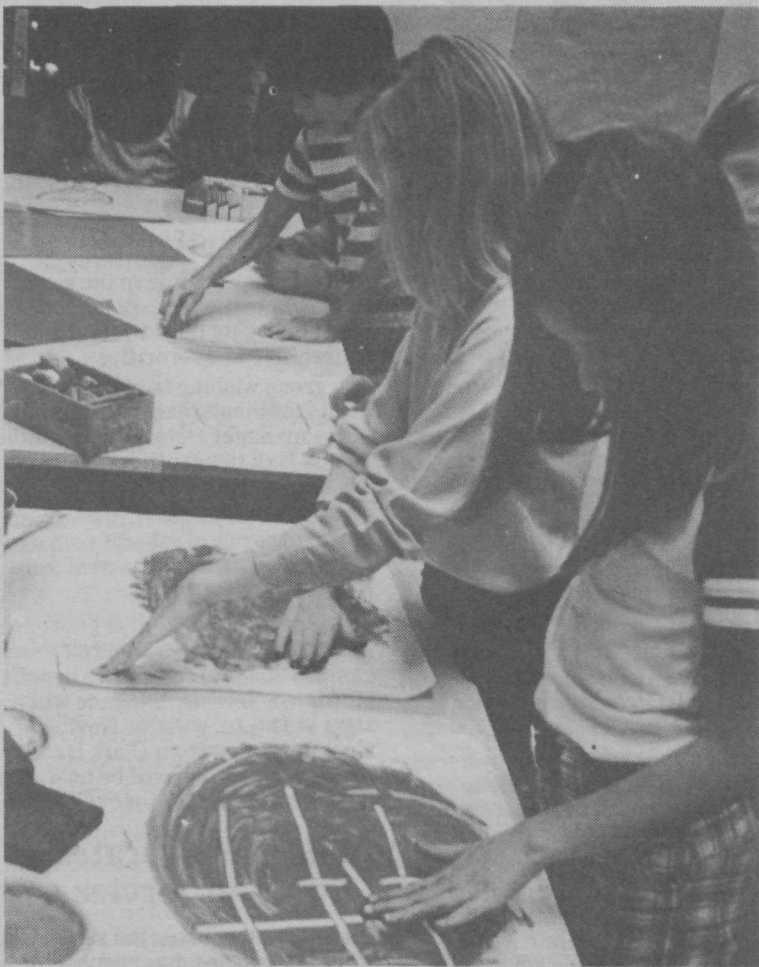
Sr. Personnel Assoc., CPO6 (Compensation, Personnel)
Health Assoc. III, CPO5 (U. Health Svcs.)
Admin. Mgr. II, CPO5 (Bus. Mgr., Res. Life)
Head Gymnastics Coach, CPO5 (P.E.&Ath.)

Part-time and/or Temporary

Secretary, GR18 (Coop. Ext., Riverhead)
Lib. Aide, GR17 (U. Lib., Physical Sciences)
Secretary, GR16 (Agronomy)
Secretary, GR16 (Rural Soc., perm., pt.)
Secretary, GR16 (Agronomy, perm. 25 hrs.)
Temp. Svc. Laborers (Pomology) (Approx. 30)
Temp. Res. Asst./Comp. Prog. (Sociology)
Prog. Aide III, NP-9 (HD&FS) (perm 20 hrs.) (2)
Secretary, GR19 (Jud. Admin., perm. 25 hrs.)
Temp. Svc. Comp. Prog. Consult. (Vet. Comp. Facility)

Academic/Faculty Positions

(*) Indicates new this week.
*Asst. Lib., CPO2 (Univ. Lib./Catalog/Olin)
*Asst. Lib., CPO2 (Univ. Lib. - Hotel)
*Research Assoc. for Bolivian Iron Deficiency and Work Performance Project
Faculty Position (DCS, Theriogenology)
Post. Doc. Assoc. (Plant Pathology)
Asst. Prof., Organic Chem. (Chemistry)
Asst. Prof., Biophysical Chem. (Chemistry)
Sr. Res. Assoc. I, CPO7 (Vet. Path.)
Asst. Lib., CPO2 (Lib., NYS Hist. Res. Cntr.)
Ext. Assoc. IV, CPO6 (NYSSILR) (2)
Res. Assoc. II, CPO4 (Micro., Ag.)
Teaching Position (Architecture)
Sr. Asst. Lib., CPO3 (NYSSILR)



Children discover new means of self expression through a variety of media in an art series given on Saturday mornings at the College of Human Ecology.

Art for Children Classes Start Sept. 29

Art is more than drawing a straight line and classes for fourth, fifth and sixth graders prove that.

Lambert Brittain, Cornell University professor of human development and family studies, and his students offer grade schoolers the opportunity to explore many two- and three-dimensional materials in creating their own art work. The emphasis is not on art projects, but on the individual—how he or she

thinks, feels and sees, and in developing ways to express these through art forms.

Classes begin Sept. 29 and are held every Saturday morning through Nov. 17 at the New York State College of Human Ecology. Parents should pre-register their children by Sept. 20 by calling 256-2295 between 9 a.m. and 5 p.m. The fee for the eight weeks is \$3 to help cover the cost of materials.

Statler Series to Open Tokyo Quartet Is First

The 1979-80 Statler Series will open with an evening of music by the Tokyo String Quartet at 8:15 p.m. Thursday, Sept. 20, in Statler Auditorium. Tickets for the performance are on sale at the Lincoln Hall ticket office (256-5144).

Works by Mozart, Bartok and Beethoven will be performed by the quartet, which was founded in Tokyo in 1969. The members received international recognition in 1970 when they won both the Munich International Chamber Music Competition and the Coleman Chamber auditions in Pasadena, Calif.

Koichiro Harada and Kikuei Ikeda, violin, Kazuhide Isomura, viola, and Sadao Harada, violoncello, perform on a matched set of four instruments all made by Nicolo Amati (1596-1684) Stradivari's teacher. The instruments, on loan through the auspices of American University, were bequeathed in 1965 to the Corcoran Gallery of Art in Washing-

ton, D.C.

The four members of the Tokyo String Quartet received their training at the Toho Gakuen (in Japan), where they met as teenagers, and at the Juilliard School of Music. They are presently in residencies at Yale and American Universities.

Since 1970, the quartet has performed widely in Europe, especially in Germany, and throughout the United States. The four performers have recorded works by Bartok, Haydn, Mendelssohn, Mozart and, most recently, Debussy and Ravel.

A reviewer for the Washington Post recently said of the quartet, "Their playing flows like a river, sometimes turbulently, sometimes peacefully, but never losing its seamless quality. It would be as easy to separate drops of water as it would be to pull apart the unity of sound and approach... these four have achieved."

Detection of 'Lazy Eye'

Infant Vision Studied Here

Infants in the Ithaca area are working with researchers at the University on a project that could make detection of amblyopia or "lazy eye" possible much earlier in life — when there is a better chance for correction.

Howard C. Howland, associate professor of neurobiology and behavior, has found that — contrary to much of the ophthalmological literature — most infants are astigmatic, (cannot focus on everything at once and so receive blurry images on their retinas) for about the first year of life.

Most of them apparently outgrow their astigmatism sometime after that, since the severity and frequency of the condition is much lower in adults than in infants. Howland and others believe, however, that those infants who do not outgrow the condition — who do not receive sharply focused images on the retina at the right time — may never develop the normal neural wiring necessary for sharp vision.

Under a two-year, \$30,000 grant from the National Institutes of Health, Howland currently is studying infants, two months and older, to determine when and how well normal babies can focus their eyes. Howland uses a photographic technique called photorefractometry to measure astigmatism. An electronic flash, less intense than an ordinary flashbulb, is fired while the infant is looking at the camera and is recorded on color film as a



Howard Howland tries to capture the attention of Caren Congdon of 1309 N. Cayuga St., to determine whether she, like many babies, has astigmatism.

star burst coming from each eye. The longer the length of the star arm in a particular plane, the more severe the astigmatism in that plane.

Another photographic device, the main component of which is a lens surrounded by a ring of dim red lights, is used to measure the curvature of the cornea. The round

lights appear as ovals in eyes that show astigmatism due to curvature of the cornea.

Both techniques are particularly well suited for use on infants, Howland said, because they do not require the subject to report on what is perceived; all that is necessary is a brief period of looking at the target.

Year-End Figures Released

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exceeding "difficult-to-achieve savings targets which were established in an effort to reduce the deficit."

Herbster pointed out that all results were before a special adjustment reflecting a change in the University's accounting policies. Under the new policy all investment income is recorded when earned (accrual basis) rather than when received (cash basis).

The changed policy resulted in a recorded one-time adjustment of total investment income of approximately \$2.4 million, of which \$734,000 applied to unrestricted current funds. This was an accounting change, he explained, and did not represent any long term improvement in the University's finances.

For the endowed colleges at Ithaca, Herbster said the final results

showed a budget deficit in general purpose funds of \$349,000 while the original estimate was a deficit of \$2.150 million. Designated funds, principally funds available for departmental purposes, increased almost \$1 million.

All major enterprise and service operations with the exception of the heating plant and the Office of Computer Services operated at breakeven or better, he said, resulting in an increase in their fund balances of \$416,000.

For Cornell's statutory units improvement was shown over both the original budget and mid-year projections. General purpose funds decreased approximately \$936,000 while designated funds increased \$585,000. State appropriations to the units increased \$4.25 million over the previous year and departmental sales and services increased approximately \$1 million.

Operations at the Cornell Medical College showed improvement over the anticipated shortfall in general purpose funds of \$3.5 million budgeted by the trustees. The college showed a deficit of \$2.5 million in general purpose funds and a surplus in designated funds of \$355,000.

In order to correct serious financial problems the college has put into effect a plan to achieve a balanced operating budget by 1981-82 and overall financial equilibrium by 1983-84.

Herbster pointed out that this year's Medical College performance was encouraging and that improvement resulted from increased external support for biomedical research and recovery of related indirect costs, higher investment income and more unrestricted gifts. He said these were combined with tight control of expenditures and more aggressive efforts to attract external funds.

Nuclear Energy Debate Set

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problems associated with nuclear waste disposal.

Pohl feels there are many unanswered technical questions surrounding nuclear power. He firmly opposes further expansion, but feels "nothing short of a major disaster would suffice to stop existing plants."

Chapman, though not a physicist, wrote his doctoral thesis at the University of California at Berkeley on the economic benefits of nuclear

power in 1969. Since then, he has changed his views completely, and now recommends discontinuation of nuclear energy.

Chapman is a member of the energy demand and conservation panel for the National Academy of Science Committee on Nuclear and Alternative Energy Sources. He also served as a member of the board of directors of the New York State Energy Research and Development Authority.

Chapman feels the "safe and

feasible technology to deal with nuclear waste disposal, decommissioning of reactors, and safety will prove to be much more expensive than anticipated."

The debate is sponsored by Aleph Semach/Raven and Serpent, Cornell's junior honor society, and is co-sponsored by the University Unions Program Board, the Interfraternity Council, the University Lecture Committee, and the Student Finance Commission.

Brief Reports

Palmer Named Vice Provost

The appointment of law professor Larry I. Palmer as a vice provost at the University for a three-year term was approved Tuesday by the Executive Committee of the University Board of Trustees.

Palmer, who has been working in the new post since Aug. 23, succeeds Don M. Randel, who asked to be relieved so he could return full time to his teaching and research in the Department of Music, according to Provost W. Keith Kennedy. Randel had held the position since last September.

Palmer, a member of the Cornell law faculty since 1975, will devote most of his time to his new duties which include responsibility for the following areas; career services, guidance & testing center, Johnson Art Museum, professors-at-large, science, technology & society, summer session & extramural courses, University Press and University Registrar.

He, however, will continue as a member of the law faculty doing some teaching and research in his areas of interest, criminal law, criminal procedure, juvenile justice and law and medicine.

Before coming to Cornell he was on the faculty at the Rutgers University School of Law. He was graduate from Harvard University in 1966 and the Yale Law School in 1969. Before joining the Rutgers Law faculty in 1970, he was law clerk for the U.S. District Judge A. Leon Higginbotham Jr., now a member of the U.S. Court of Appeals in Philadelphia.

He was born in St. Louis, Mo. and attended Phillips Exeter Academy before entering Harvard. He is a member of the State Bar of California, having practiced as an associate in the Los Angeles law firm of Paul, Hastings, Janofsky & Walker. Palmer has been a member of the American Law Institute since 1975.

At Cornell he served as the 1976 Law School Representative for the Faculty Council of Representatives, as a member of the University Human Subjects Committee from 1975-78, and as a member of the University Committee on Recombinant DNA.

Graduate Fees Are Clarified

A statement clarifying active file fees to certain candidates for doctoral degrees at Cornell University was approved by the Executive Committee of the University Board of Trustees at its meeting here Tuesday.

In January, the board approved an "active file fee charge" of \$200 per semester in 1979-80 for doctoral candidates who had completed residence requirements and passed the "A" examination, but who took a leave of absence or failed to register this September.

The \$200 file fee charge is unchanged, but the new statement, which will appear in the Bulletin of the Graduate School, clarifies the conditions under which certain students may gain a waiver from the fee.

"If the leave is requested prior to completion of residence units, the fee may be waived upon petition," the new statement says in part.

The establishment of the fee had a three-fold purpose, according to Alison Casarett, dean of the Graduate School: to set a fee which approximately reflects the University costs of maintaining a student who is completing thesis requirements but is not registered; to encourage students to complete degree requirements, and to discourage the use of facilities without registration.

Mellon Fellows In Humanities

Three new postdoctoral teaching fellows in the humanities are beginning two-year appointments at the University this fall under grants made possible by a 1975 endowment to the University of \$1.2 million from the Andrew W. Mellon Foundation. The three are Kathryn March, Women's Studies (anthropology); Susan Slotnick, Yiddish studies; and David Zaret, philosophy.

Fellows in their second year at Cornell under the Mellon grant are Charlotte Greenspan in music and Dennis McGilvray in anthropology. Mihai Spariosu, comparative literature, is on leave in West Germany under a Humboldt Fellowship.

The two-year, \$12,000-per-year fellowship awards enable humanists with recent Ph.D. degrees to teach within Cornell humanities departments and continue scholarly work, according to Anna Geske, who directs the Mellon Postdoctoral Fellowship program at Cornell.

Sigma Xi Gives Research Grants

A faculty member and a graduate student have received research grants-in-aid from Sigma Xi, a national scientific research society. C.C. Chu, assistant professor in the Department of Design and Environmental Analysis, will use the grant for basic research on crystallization phenomena in carbon-fiber-reinforced polyethylene. Carbon-fiber-reinforced polyethylene is used to make joint prostheses for arthritis sufferers, those with athletic injuries and others with advanced joint disease.

George O. Chandlee, a graduate student in the Department of Geological Sciences, received a grant to conduct field studies of the anatomical variation in brachiopod fossils found in the rocks of the Mohawk Valley. Anatomical variation in the fossil remains of these small sea animals could provide information on the geological history of the area.

Benefits Changes Get Trustee Okay

Major adjustments in the Cornell University employee benefit program were approved by the Executive Committee of the University Board of Trustees here Tuesday.

The Office of University Personnel Services will begin in October to enroll more than 9,000 employees in redesigned group life insurance and new long-term disability plans, both of which are scheduled to become effective Jan. 1, 1980.

Details on the two plans will be made available to University em-

ployees in the coming weeks, according to Gary Posner, director of University Personnel Services.

BioSci Facility Takes a Step

The Executive Committee of the University's Board of Trustees has authorized the administration to negotiate and enter into a construction management agreement with the Ithaca firm of McGuire & Bennett for the biological sciences facility planned for the University's Lower Alumni Field.

As construction manager for the project, McGuire & Bennett will develop the guaranteed maximum price for construction of the facility, which will house the Sections of Neurobiology and Behavior and Ecology and Systematics.

The final project budget will be presented to the full Board of Trustees at its October meeting. If approved by the board, construction of the new facility, also to be managed by McGuire & Bennett, would begin in mid-October. The facility could be ready for occupancy by fall 1981.

If the trustees fail to approve the project, however, Cornell would pay McGuire & Bennett only for developing the guaranteed maximum price.

Fraternity-Sorority Newspaper Started

The first edition of a new newspaper, Greek Columns, a publication of Cornell's Interfraternity and Panhellenic Councils, has been distributed free to all fraternities, sororities and campus unions.

The purpose of Greek Columns is to facilitate communication between the fraternities, sororities, Panhel and IFC. Greek Columns will also strive for an increase in communication between the Greek system itself and the non-Greek communities, according to Dan Dube, editor-in-chief of the newspaper.

The newspaper covers fraternity and sorority news, Panhel and IFC news, as well as sports, features and editorials dealing with these organizations. The first issue of the newspaper, distributed on Sept. 1, was a freshman issue aimed at furthering understanding between freshmen and the workings of the Greek system itself.

Members of the Greek Columns staff are equally composed of sorority, fraternity, Panhel and IFC members. Positions are still available for staff members and sports writers.

Subsequent issues will contain advertising to help meet the costs of publication. It is scheduled to be available on the first Wednesday of each month, four times a term, eight times a year.

In the first issue of the paper an article by James Norrix says Cornell has the nation's second largest fraternity system.

RSVP Program Has Volunteers

Retired Senior Volunteer Program of Tompkins County (RSVP) has a number of volunteers available for a variety of jobs, according to Deborah Greene, RSVP director.

According to Green, volunteers are

available to collate and staple materials, stuff, stamp and label envelopes, "just to name a few."

"We have a number of talented, energetic and experienced seniors who enjoy doing useful work for community organizations, Greene said, "and we are always looking for new ways in which we can help out."

Cornell departments interested in using the services of RSVP can contact Greene at 277-4545.

Medical College Admission Test

Room assignments have been announced for the Medical College Admission Test which will be administered on Saturday, Sept. 15.

Anderson-Lee in Myron Taylor "A" Lester-Zehab in Myron Taylor "C".

Two Publications Get an Update

Two University publications have been updated with new information. Material, dated June 22, has been added to the "Academic Appointment Manual." If you have a copy of this manual and have not received this update material, please contact Vice President of Research W. Donald Cooke, 309 Day Hall, (6-7256). A record of manual updating can be found on the page following the title page.

The "Sourcebook of Academic Information on Minorities and Women at Cornell University" has also been extensively updated. This Sourcebook is distributed to college and executive offices and can be found in various libraries at the University. A few extra copies are

Summary Journal Of Trustee Meeting

This summary journal for the meeting of the Executive Committee of the Board of Trustees in Ithaca Tuesday, as released for publication, does not include confidential items which came before the meeting or items on which separate articles appear in this issue of Chronicle.

1. The Executive Committee approved minutes of its meeting of July 17, 1979.
2. President Frank Rhodes reported to the committee on several matters of current campus interest.
3. Provost W. Keith Kennedy presented planning assumptions and figures being proposed for the development of budget policies for 1980-81.
4. A three-year budget plan for the Cornell Medical College was presented by Medical College Dean Theodore Cooper.
5. Supplemental appropriations were approved from general purpose funds which were effected in closing the books for 1978-79 for the endowed colleges at Ithaca. The amount covered costs associated with transfer of Medical College computing operation, attorneys fees, utilities and additional funding for the Cornell Campaign.
6. The administration was authorized to credit income accounts with the estimate of Long Term Investment Pool Income in September to provide more effective expenditure control. The action provides the option of reversal if necessary on June 30, 1980, at which time the actual earned and distributable income per share will be credited.
7. Senior Vice President William Herbster reported that the first year of operation of the prepayment plan for tuition, dining, and housing charges offered through academic management services was successful, with 627 stu-

available at Vice President Cooke's office.

Block Seating Again Available

Student block seating in the west stands for home football games is available again this fall for Cornell fraternities and sororities.

Any group wishing to make arrangements for block seating should see ticket manager Pete Mariano at the Teagle Hall ticket office any weekday from 8:30 a.m. to 5 p.m., or call 256-7333.

Bicycle Race Next Sunday

A bicycle race will be held on campus Sunday, Sept. 23, to benefit Multiple Sclerosis. The race will start at 11 a.m. with the Novice class departing from Clark Hall, where registration will be held. The race is for all classes of cyclists.

Dining Inaugurates New Cake Service

Cornell Dining, using the services of Student Agencies, has begun making and delivering personalized cakes on campus and in the Ithaca area. Although most of the cakes are for birthdays, they also are available for other occasions.

Information on the service is available from Student Agencies, 272-2000, weekdays.

Biology Honors

Applications for the Biology Honors Program are due in 118 Stimson Hall no later than noon Tuesday, Sept. 18.

dents in the freshman class participating.

8. University Treasurer Robert T. Horn reported a schedule of 25 newly classified capital funds established in 1978 and 1979.

9. Herbster reported that Medical College properties located on East 69th Street and East 70th Street and on First Avenue in New York City were sold for a cash price of \$3,185,000 in July, 1979.

10. Medical College Dean Theodore Cooper reported that agreement had been reached between the University and the Society of the New York Hospital to provide funding for renovation of three floors of Building S at the Medical College to provide quarters for the faculty of Ophthalmology. The space to be renovated was previously allocated to the School of Nursing.

11. The Executive Committee heard reports of the Building and Properties Committee, and Ad Hoc Trustee Committee on Open Meetings, and the Health Sciences Committee. Vice President for Research W. Donald Cooke reported that a proposal has been submitted to the National Science Foundation for continued operations and research support for the Materials Science Center in the total amount of \$11,133,000 for the three-year period ending July 1, 1980. He also reported that funding in the amount of \$1,142,000 was received in July from the National Science Foundation for continued support of the National Research and Resources Facility for Submicron Structures for the one-year period beginning July 1, 1979.

12. President Rhodes reported that changes were made in the charter of the Campus Council in meetings of that body held April 26, May 3 and May 10, 1979.