



## Andrew D. White House on October Afternoon



## SUNY Freeze

# Plant Lab Building Is Delayed

The State University of New York's (SUNY) freeze on construction projects means the start of the Boyce Thompson Institute (BTI) Plant Research Laboratory will be delayed, according to Cornell's Treasurer and Chief Fiscal Officer Arthur H. Peterson.

At meetings in Albany with SUNY and State Budget Division personnel Wednesday, Oct. 29, Peterson was told that construction funds would be frozen until state Housing Finance Agency bonds became more marketable. Peterson saw little possibility that the market for these bonds would recover within the next 12 months.

Alternative means of financing the project are being explored, he said.

Planning for Boyce Thompson should be completed within one month, Peterson said. It had been hoped that bids could be solicited in late 1975, with construction beginning next spring. The project was to have been completed in October 1978, becoming fully operational by July 1979.

BTI is currently located in Yonkers, N.Y. Several years ago the research institute's directors began looking for another location. Cornell worked with SUNY in requesting that facilities for the institute be made available on the Cornell campus. The New York State Legislature appropriated \$8.5 million for siting and construction of the new facilities.

Now, because of the construction freeze, plans for the move to Ithaca are in jeopardy, Peterson said. Boyce Thompson has already sold its Yonkers facility with the assurance that it will be vacated by July 1979. If construction is not begun by the spring of 1976, it is unlikely that this condition can be met, Peterson said. There is a heavy penalty to BTI if it is not out on time, he said.

The new facility would provide research capabilities for some 40 scientists and 100 support personnel. Senior scientists from BTI would be eligible for courtesy appointments at Cornell and would involve graduate students directly in their research. BTI would bring to Cornell a small, but extremely good, library of specialized publications currently not found in the University libraries.

The building would be located in the area on Tower Road across from the new Veterinary Research Tower and next to Morrison Hall.

# One Course Catalog to Replace Ten

Starting with the 1976-77 academic year Cornell University will publish a single course catalog covering all undergraduate and graduate courses on the Ithaca campus.

Expected to save the University from \$12,000 to \$15,000 the first year, and as much as \$20,000 annually in subsequent years, the publication will contain information now found in more than 10

separate course catalogs published by the University.

According to Kelvin J. Arden, director of University Publications, the projected savings will result not only from the consolidation but also from the incorporation of new printing technology available because of the larger format of the catalog. The new catalog, which will be available in the spring, will be 8½ by 11 inches and of lighter weight paper

than the current catalogs.

Arden pointed out that while the new consolidated catalog will cover graduate-level courses of the nonprofessional schools and all undergraduate level courses on campus in detail, it will only list the offerings in the University's professional schools which will continue to publish their own detailed catalogs.

In addition to the savings resulting from the elimination of several separate catalogs annually, the consolidated catalog should prove more convenient for students seeking courses of interest outside their own school, Arden said. This is of growing importance because of the University's increased flexibility in allowing students to take more courses outside their own academic units, he said.

Other savings will result in mailing costs for sending various Cornell catalogs to secondary schools and libraries throughout the country. Arden estimated the consolidation will result in the elimination of approximately 35,000 units.

He said each academic unit, however, will be mailing out general announcements covering their particular schools. These publications, though, can be designed to serve for at least two years which will result in savings because they will be printed in greater numbers. The more items printed at a single time, the lower the unit cost, he said.

## Cornell Pioneers

# Women's Studies Made a Minor

The establishment of women's studies as an interdisciplinary field of minor study has been approved by the Cornell University Graduate School, according to Ruth A. Borker, field representative for the new minor, and an assistant professor of anthropology.

The initiative behind the petition of the graduate school for such a minor came from graduate students, both men and women, said Jennie Farley, director, Women's

Studies Program. "As usual, Cornell is a pioneer. I think the minor is going to serve student needs."

The field of women's studies will include members of the present faculty board of the Women's Studies Program, as well as faculty who have research interests in the areas from a wide range of departments and colleges, Borker said.

The minor contains five core areas: ideology and culture; institutions and society; history;

literature and the arts, and psychology and human development. Establishment of the minor is designed to remedy several problems previously confronting graduate students with an interest in interdisciplinary study involving women's studies, she said. The problems included developing the appropriate course of study, replacing absent committee members, representing their true fields of interest and gaining access to funding and jobs in women's studies.

## Executive Board Convened in New York City

*Trustee Summary Agenda*

The summary agenda for the meeting of the Executive Committee of the Board of Trustees of Cornell University to be held Tuesday, Nov. 11, 1975, in New York City, follows.

*NOTE: This summary agenda as released for publication may not include certain confidential items which will come before the meetings. Also other items may be added to the final agenda prior to the meetings.*

1. University Treasurer Arthur H. Peterson will report on the University's current financial position.

2. University President Dale R. Corson will present the recommendation of the Investment Committee that the distribution from the Capital Fund for 1975-76 in support of the University's operating budgets be set at 15 cents per share to be declared as of June 30, 1976. The president will make a further recommendation concerning distribution of Calspan shares.

3. The president will lead a discussion of preliminary planning for the 1976-77 budget.

4. The president will recommend to the Executive Committee that debt service expense, including amortization, for Current Fund advances be reflected as an annual operating expense for the fiscal year 1975-76 and thereafter so long as advances remain outstanding for financing the chemistry complex, fine arts library, and the renovation of Willard Straight Hall. Funds are available in the 1975-76 budget to cover the debt service payment.

5. The president will recommend, subject to approval of the Buildings and Properties Committee, revision from \$194,000 to \$277,000 in the budget for renovation of the S building at the Cornell Medical College. The original construction estimate was not sufficient to complete the work, in part because of unforeseen problems with the electrical and mechanical systems of the building and due to fast-track management methods.

6. The president will recommend, subject to approval of the Buildings and Properties Committee, that the University administration be authorized to upgrade the electrical systems in Anna Comstock Hall (A and B), Lyon Hall and McFaddin Hall, with a preliminary budget of \$88,000 from the Housing Department Reserve. The wiring and lighting in these buildings have seriously deteriorated and are not in compliance with national code requirements.

7. The president will present recommendations for financing the project to renovate the central heating plant.

8. The president will report to the Executive Committee on the University's outstanding indebtedness.

9. The president will recommend, subject to approval of the Buildings and Properties Committee, and subject to receipt of matching funds from the N.Y. State Education Department, an increase from \$622,000 to \$825,000 in the budget for the renovation of the Medical College

auditorium.

10. The president will report concerning the impact on construction projects for the Statutory Colleges of a recent new construction moratorium imposed by the State University of New York.

11. The Executive Committee will hear the report of the Buildings and Properties Committee.

12. The president will recommend confirmation of a contract amendment with the National Science Foundation for management, operation and maintenance of the National Astronomy and Ionosphere Center facilities.

13. The president will recommend that a joint academic program leading to a professional master's degree sponsored by Cornell and Baruch College of City University of New York for graduate studies in the area of Industrial and Labor Relations be approved in principle by the Executive Committee. The new degree also will require approval by the University faculty and the New York State Board of Regents. If approved, the program will require a contract negotiated between the two institutions, which will be subject to final approval by the Board of Trustees.

14. The president will recommend a personnel action.

15. The president will make a recommendation for amending sabbatic leave policies at the Medical College.

16. Executive Committee Chairman Charles T. Stewart will recommend changes in the president's authority to fix and adjust salaries pursuant to Article VI of the University Bylaws.

17. The president will recommend that the joint meeting of the Board of Trustees and the Cornell University Council in 1980 be set for Oct. 17-18.

18. The president will recommend that the Executive Committee find that the election of freshman senators on Oct. 17, 1975 was fairly and properly conducted and that each student senator is truly representative of his/her constituency on the basis of voter participation.

19. The president will report to the Executive Committee on the financial position of the Cornell Research Foundation for the year ended June 30, 1975.

20. The proceedings of the Sept. 30 meeting of the Joint Administrative Board of the New York Hospital-Cornell Medical Center will be presented.

21. The president will report on the New York Hospital-Cornell Medical Center Foundation, Inc. and will recommend adoption of a resolution changing the Foundation's name to The New York Hospital-Cornell Medical Center Fund, Inc.

22. The president will report to the Executive Committee on student enrollment for the fall term.

*Walling Is Appointed Financial Aid Director*

Robert C. Walling has been appointed director of financial aid, according to Donald G. Dickason, dean of admissions and financial aid.

Walling has served as director of financial aid at Towson State College, Baltimore, Md., since 1970. He obtained the B.S. in education in 1967 and an M.S. in counseling in 1970 from Illinois State University.

While at Towson State, Walling served as a member of the board of the directors of the Delaware-Washington-Maryland Association of Student Financial Aid Administrators and as a legislative lobbyist to the Maryland General Assembly on behalf of the association.

His research efforts include papers on the effect of declining financial aid on student enrollment at Towson State, a study of student employment job classification systems in Maryland and a study on the relationship between parental income as reported to the Internal Revenue Service and as reported on the Parent's Confidential Statement. Walling presented this last paper to the 1974 meeting of the National Association of Student Financial Aid Administrators in Washington.



Robert C. Walling

Philip M. Bisselle, who has been serving as acting director of financial aid, will resume his position as associate director of financial aid. He will be responsible for administration of upperclass aid programs, loan programs and self-help programs for graduate students.

Janet Averill, formerly assistant director of financial aid, also will become associate director, with responsibility for financial aid programs for new students.

*Job Opportunities At Cornell University*

*The following are regular continuing full-time positions unless otherwise specified. For information about these positions, contact the Personnel Department B-12, Ives Hall. Please do not inquire at individual departments until you have contacted Personnel. An Equal Opportunity Employer.*

Individuals in lay-off status will be given preference in referrals.

*POSITION (DEPARTMENT)*

Steno III, NP-9 (Human Development and Family Studies)  
Administrative Secretary, A-15 (Cornell Alumni University (sh))  
Administrative Secretary, A-15 (Engineering Dean's Office)  
Clerk Typist, NP-5 (Media Services)  
Principal Clerk, A-14 (The Graduate School)  
Shipping Clerk, A-13 (University Libraries-Serials)  
Senior Clerk, A-12 (Personnel)  
Searcher, A-13 (University Libraries-Olin)  
Library Assistant III, A-15 (University Libraries-Budget)  
Cooperative Extension Spec. (Coop. Extension Admin.)  
Dining Supervisor, CPO2 (Dining - North Campus)  
Director of Physical Ed. and Athletics (Physical Education and Athletics)  
Head Reference Librarian NS (Albert Mann Library)  
Tech. Aide, NP-9 (Food Science & Technology (Geneva))  
Tech. Aide, A-17 (Neurobiology & Behavior)  
Lab. Assistant (Neurobiology & Behavior)  
Laboratory Tech. II, NP-11 (LAMOS - Clinic Pathology)  
Research Tech. IV, NP-14 (Food Science & Technology (Geneva))  
Chemical Analyst (NP-10 and NP-14) (Food Science & Technology (Geneva))

*ACADEMIC AND FACULTY POSITIONS*

*(Contact Department Chairperson)*

The James Jamison Professor of Nutri. (Division of Nutritional Sciences)  
Professor of Mathematics (Mathematics Department)  
Asst. Prof. of Mathematics (2) (Mathematics Department)  
Asst. Prof. of Linguistics (Spanish for Bilinguals) (Dept. of Mod. Languages & Linguistics)  
Asst. Prof. of Chemistry (Dept. of Chemistry)  
Asst. Prof. of History (2) (Department of History)  
Professor (School of Chemical Engineering)  
Asst. Prof. of Medical Care Organization (Grad. School of Bus. and Pub. Admin.)  
Asst. Prof. of Health Care Accounting and Finance (Grad. School of Bus. and Pub. Admin.)  
Asst. Prof. of Economics (Grad. School of Bus. and Pub. Admin.)  
Asst. Prof. of Public Finance (Grad. School of Bus. and Pub. Admin.)  
Asst. Prof. of Accounting (Grad. School of Bus. and Pub. Admin.)  
Asst. Prof. of Marketing (Grad. School of Bus. and Pub. Admin.)  
Asst. Prof. of Pathology (Grad. School of Bus. and Pub. Admin.)  
Asst. Professor (2-3) (Department of Sociology)  
Asst. Professor (Department of Classics)  
Associate Professor (Divn. of Nutritional Sciences)  
Scientific Director (Diagnostic Laboratory)  
Assistant Professor of Law (2) (Law School)  
Research Associate (Lab of Plasma Studies (1 yr))  
Research Associate (Agronomy)  
Research Associate (Animal Science (1 yr))  
Research Associate (Vet Physical Biology)  
Research Associate in Waste Mgmt (Agronomy (temp f/t))  
Research Associate (Plant Breeding (temp p/t))  
Research Associate I, CPO3 (Lab of Nuclear Studies)  
Research Associate (Div. of Biological Sci. (1 year))  
Research Associate (Ctr. of Urban Dev.-Research (temp p/t))  
Lecturer (Archaeology, part-time) (Department of Classics)

These are all permanent full-time positions unless otherwise specified.

*PART TIME AND TEMPORARY POSITIONS*

*(All Temporary and Part-time positions are also listed with Student Employment)*

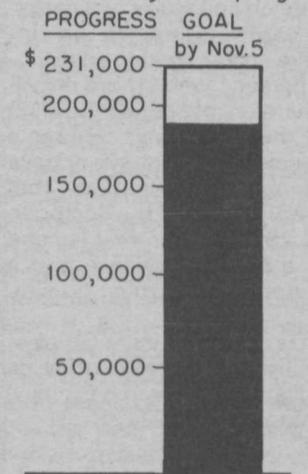
Administrative Secretary, A-15 (Chemistry (perm. p/t))  
Secretary (Glee Club (perm. p/t))  
Night Supervisor-Searcher A-13 (University Libraries (perm. p/t))



United Way Campaign

# Campus Drive Falls Short

Cornell University  
United Way Campaign



\$28,500 has been added to the campus United Way campaign, bringing the total to \$192,454, as of Tuesday this week. More than 2,000 pledge cards are still outstanding.

Contributions to this year's United Way Campaign are 17 per cent short of target and 8 per cent below last year's level as of Tuesday, Nov. 4, according to Olan Forker, campus campaign chairman.

The \$14,862 turned in on Tuesday, the last official reporting date, brings the total to \$192,454. Last year's final figure was \$208,960.

More than 2,000 pledge cards are still out and campaign workers will be working to get these returned during the next few days.

More than 400 volunteers have been involved in this year's campaign on Campus. Forker said, "It is tremendously satisfying to see the great amount of enthusiasm put into the effort by such a large number of people from the Cornell Community." He added that as of this date, "an additional \$28,500 is needed to meet the 1975 campus goal. Unless the goal is met, the al-

location for the many worthwhile volunteer and public service agencies which are supported by United Way will have to be reduced below planned levels."

The pattern of giving this year compared to last year is quite mixed. Of the 97 teams working on the Campaign, 16 have turned in a greater number of pledges this year than last. However, 33 have collected more dollars; some show substantial increases. Fourteen show substantial decreases in dollar amounts to date compared to last year.

Forker urges all those who have not yet contributed or who have decreased their pledge this year to reconsider. Additional contributions can still be made by contacting the campaign worker in your building or office, by contacting Olan Forker at 6-4597 or by direct contact with the United Way Office.



## Recommendations by January

# Grant Funds Health Study

The future direction of health care at Cornell is under study currently by a Health Planning Steering Committee, according to William D. Gurowitz, committee chairman and vice president for campus affairs.

The comprehensive study is being funded by a \$66,000 grant from the Frank E. Gannett Newspaper Foundation, Inc. of Rochester, N.Y. Gannett, Class of 1898, served as a University trustee for 23 years. The foundation's previous grants to Cornell were used to build Gannett Clinic in 1957, and for an addition in 1965.

The committee, after studying a number of alternatives, will make its recommendation to President Dale R. Corson by January 1976, said Gurowitz. It has concluded that Cornell cannot continue with its present service in the Gannett Clinic and Sage Infirmary facilities. The committee "is looking into three major areas: 1) kind of service to be offered, 2) population to be served, and 3) what kind of facility will be required. Indications now point

toward a combined clinic-infirmiry facility for better, more efficient health services delivery," he said. "Serious cases requiring additional medical attention will continue to be sent to the Tompkins County Hospital."

The committee is composed of Cornell members and local persons, including three physicians. The Cornell membership is: Mary Deeley, administrative aide, planning; Gail Carruth, graduate student, business and public administration; Alain Seznec, professor, Romance studies; Roland Foulkes, un-

dergraduate student and chairman, Board of Student Health; John O. McClain, assistant professor, Sloan program, business and public administration; Robert K. Radziwon, assistant to the dean, veterinary medicine, and Diedrich K. Willers, director, personnel services. The local members, all from Ithaca, are: John W. Hirshfeld, M.D.; Louis Munchmeyer, M.D.; Marguerite Uphoff, M.D. and Desdemona P. Jacobs, guidance aide, Boynton Jr. High School.

# Regional Offices Director Named

Laing E. Kennedy has been appointed director of Cornell's regional offices as of Nov. 1, according to Richard M. Ramin, vice president for public affairs.

Kennedy has served as assistant to the dean of the College of Agriculture and Life Sciences since 1972. In his new capacity he will direct the activities of Cornell's seven regional offices located in the Northeast (Boston), Mid-Atlantic (Philadelphia), Central (Cleveland), New York City, Upstate New York (Ithaca), Southeast (Florida) and Western (Los Angeles) sections of the country.

These regional offices are responsible for all Cornell activities in their areas, including general public relations, Cornell Club activities, secondary school committees, Alumni University projects and development (including estate affairs, Cornell fund, corporate relations and capital gift promotions).

"Laing has done an outstanding job in public affairs for the College of Agriculture and Life Sciences," Ramin said.



Laing Kennedy

"He has the broad experience that the director of regional offices needs and in his position with the college, he has already worked closely with the regional directors."

Cornell's network of regional offices is the only one of its kind in the country, Ramin added. Other colleges and universities may have an office in selected major cities, but none

# Debye Lecture Series Set for Next Week

Joseph Chatt, director of the Agricultural Research Council's Unit of Nitrogen Fixation and professor of chemistry at the University of Sussex, England, will give the 13th annual Debye Lecture Series at Cornell on Nov. 11, 12 and 13. All lectures will be held in 200 Baker Laboratory.

Chatt will speak on the following topics:

—"Dipole Moments and Charge Separation in Complex

Compounds" at 11:15 a.m., Nov. 11;

—"The General Problem of Nitrogen Fixation" at 4:40 p.m., Nov. 12;

—"The Chemistry of Molecular Nitrogen as a Ligand" at 11:15 a.m., Nov. 13.

Chatt's research has been concerned mainly with the complex chemistry of transition metals, especially hydride and organo-complexes, and the reaction of molecular nitrogen in complex compounds.

At the University of Sussex, where he has been conducting research since 1962, he directs a team of chemists and microbiologists who are studying the chemical mechanism of the biological fixation of nitrogen.

Chatt was educated at Emmanuel College, Cambridge University where he received the B.A. degree in 1937, the Ph.D. degree in 1940 and the Sc.D. degree in 1956. In 1974 he was awarded an honorary D.Sc. by the University of East Anglia.

In recognition of his work on transition metal chemistry, Chatt was elected a Fellow of the Royal Society in 1961. He has also received a number of awards from the British and American Chemical Societies.

He has been a visiting professor at Yale University, the State University of Pennsylvania, the University of South Carolina and the University of Rajasthan in Jaipur.

The Debye Lecture Series is sponsored by the Cornell section of the American Chemical Society in honor of the late Peter J. W. Debye, a Cornell professor and Nobel laureate.

## CORNELL CHRONICLE

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# Chronicle Comment

(Chronicle Comment is a forum of opinion for the Cornell community. Address comments to Elizabeth Helmer, managing editor, Chronicle, 110 Day Hall.)

## 'Pursuit of Athletic Excellence Valid'

Editor:

Regarding athletics at Cornell: people are different, endowed with varying intellectual and physical abilities. The bookish-intellectual type individual is oriented to the mental processes and, in my thinking and observation, often has a low "body awareness," meaning physical activity ranks low in his or her value system. Of course, there are scholar-athletes who strike a balance between development of body and mind. There are people to whom nature has given athletic gifts: good coordination, kinesthetic sense, timing, musculature, etc. For these individuals, athletics follow as normally and naturally as learning to walk. Cornell attracts a wide spectrum of people, both types that I have just

mentioned and every shade in between.

Cornell is, I believe, a total university as Ezra Cornell wished it to be, offering opportunities to all types in all fields. Yes, the times are trying, with money being short and questions being raised concerning the necessity of various programs. Notwithstanding, I hold, with the trustee committee, that

sports are an integral part of the University community. The pursuit of athletic excellence through intercollegiate competition is as valid as the pursuit of academic excellence. There are people suited to both purposes and the struggle to excel in each is healthy and desirable.

Sharon E. Ditmars  
Statistical Clerk

Letters submitted for publication in the Chronicle must be typed, double-spaced and normally should be limited to 400 words. They should be short and to the point. The deadline is Monday noon for the following Thursday's Chronicle. Letters addressed to someone other than the editor, personal attacks against individuals, or unsigned letters will not be printed. Every attempt is made to print letters as soon as possible. However, space in the Chronicle is limited.

## 'Parliamentary Procedure Needed'

Editor:

That the public is often bewildered by the use of parliamentary procedure comes as no surprise to me. After all, the subject is a complex one and the average person's exposure to it in schooling is minimal. Further, the press, which the public relies on for an accurate understanding of parliamentary procedure, is itself, sadly deficient in its perception of the gentle art. However, what is disquieting is the fact that my fellow senators are equally deficient in their perception of parliamentary law, and have demonstrated a keen inability to master its fundamentals. And most alarming is that the Senate's speaker is similarly incapable of fathoming the principles of parliamentary law. Let this then, be a simple lesson in the practice of this necessary forensic tool.

The first point to be made, and perhaps the most important, is that the critical issue here is *not* the specific knowledge of each and every little rule. Our concern is not whether the motion to recess, for instance, is debatable or not. Rather, our problem here is to understand the philosophical underpinnings of parliamentary law. Certainly one reason for using parliamentary procedure is to expedite the treatment of issues before a deliberative assembly. Parliamentary procedure is designed to dispose of business in an orderly and regular fashion.

As one studies parliamentary law further, they come to recognize the more important feature involved. The protection of individuals' rights is really what it is all about. Parliamentary procedure, when followed carefully, insures that the rights of all the members of the assembly, and the rights of the people represented by that assembly,

are preserved. Protection against an overpowered chairman is guaranteed, protection against a minority from tyrannizing the assembly is established, and protection against the majority from denying the rights of the minority is equally provided.

A perfect example of this is that most misunderstood motion, the calling for a quorum. Unfortunately, too many people view this as a petty obstructionist tactic. Certainly this is a naive attitude. What lies underneath the use of this motion? Simply this. An assembly is composed of a given amount of members. In this country we generally adhere to the principle of the majority rule. Therefore we normally provide that, in order to legitimately conduct its business, that assembly must have at least one half plus one of its members present. The principle here is not an abstract one. Insisting that a quorum be present insures against a faction of that assembly, a minority now perhaps temporarily in the majority, from acting against the wishes of the entire assembly. It also protects the community involved against the actions of a minority of the assembly. Take, for instance, the University Senate. Membership now stands at 86 senators. The Senate Bylaws provide that 50 percent of the members shall comprise a quorum. If less than that is present and if the Senate still continues to legislate as though there were a quorum, then we find ourselves with a situation where as few as 19 or 20 senators are passing legislation on behalf of the entire Senate and the community at large. The danger in this easily can be recognized.

What we must attempt to understand is how the rights of the community and the

senators are preserved by parliamentary law. Sure we find parliamentary procedure used to thwart the passage of certain bills. In some ways it was designed for this very purpose. But most important, parliamentary procedure insures that the will of the majority shall always rule, and that factions and overpowered individuals shall neither be able to control an assembly nor the community which it represents.

Douglas Auer  
Senator

## Yale Chaplain Speaker At Sage Convocation

William Sloane Coffin Jr., University Chaplain and pastor of the Church of Christ at Yale University, will address the Sage Chapel Convocation at 11 a.m. Sunday, Nov. 9.

Coffin has served as chaplain at Yale since 1958, but he will resign his position there as of Dec. 31. In his letter of resignation Coffin wrote, "I know that growth demands a willingness to relinquish one's proficiencies, so I want to become more vulnerable, or as the old pietist phrase goes, 'To let go and let God.'"

The 51-year-old minister will devote his time to the alleviation of world hunger, particularly hunger in Latin America. Last fall at the Yale Hunger Action Project, he organized a group composed of students, faculty and staff who are formulating institutional and intercollegiate responses to the food situation.

He will also work on his autobiography, which will be published by Atheneum.

A well-known figure in the anti-war movement, Coffin was one of the founders of Clergy

## NSF Energy-Related Postdoctoral Fellowships

As a means of strengthening the energy-related science base of the nation, the National Science Foundation plans to award in mid-March 1976, subject to the availability of funds, approximately 100 fellowships for postdoctoral research and study on energy-related scientific problems. Applicants interested in interdisciplinary energy-related studies are encouraged to apply.

Fellowships will be offered only to persons who (1) are or will be citizens or nationals of the United States as of Feb. 22, 1976, (2) will have earned by the beginning of their fellowship tenures a doctoral degree in one of the fields of science listed above or have had research training and experience equivalent to that represented by such a degree, and (3) will have held the doctorate for no more than 5 years as of Dec. 8, 1975. The normal stipend rate will be \$12,000 for 12 months; a travel allowance and a special allowance are also provided. Applications must be submitted by Dec. 8, 1975.

Further information on this program is available at the Office of Academic Funding, 123 Day Hall. Application materials may be obtained from the Fellowship Office, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

## Black Law Caucus Is Sponsoring Forum

A forum exploring the opportunities for blacks in the legal profession, sponsored by the Black Law Caucus of the Cornell Law School and the Cornell Black Undergraduate Law Society, will be held at 1:30 p.m. Saturday, Nov. 8 in Bache Auditorium of Malott Hall.

The forum is designed to inform minority undergraduates and law students about the variety of career opportunities available and introduce them to both practicing black attorneys and representatives of major law schools. The forum is open to interested persons throughout Central New York.

Seven black attorneys, representing a broad range of legal specialties, will address the forum:

—William McNight of Nixon, Hargrave, Devans and Doyle

will speak on "Practice in a Large Private Law Firm";

—Tony Miles, former assistant general counsel for the Department of Health, Education and Welfare and currently professor at the Howard University Law School will speak on "Civil Rights and the Practice of Law in the Federal Government";

—Roy W. King of Hurst & King will speak on "Practice in a Small Private Firm";

—Eleanor Applewhaite, general counsel of the Columbia Broadcasting Service, will speak on "The Role of the Black Attorney in Communications Law";

—Norwood Banks, public defender in Rochester, N.Y., will speak on "The Role of the Black Public Defender";

Mario Baeza of Debevoise, Plimpton, Lyons and Gates will speak on "Corporate Practice and the Black Attorney";

—Samuel Peterson, assistant district attorney in Bronx County, N.Y., will speak on "The Role of the Black Prosecutor."

Preceding the public forum will be a workshop for undergraduate minority students interested in attending law school. Recruiters from New York University Law School, Georgetown Law Center, the State University of New York at Buffalo Law School, Northwestern Law School, Boston University Law School and the University of Miami Law School will be available to answer questions and interview students at that time. The workshop will be held at 11:30 a.m. in Bache Auditorium.

For more information contact Keith Goffney at the Career Center, 256-5221, or Geoffrey Walker at the Black Law Caucus, 256-3626.

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

## Nutrition, Behavior Talk Topic

"Nutrition, Environment and Child Development" is the topic of the first session, open to the public, of the upcoming Cornell Conference on Malnutrition and Behavior.

A talk will be presented by Dr. Joaquin Cravioto, a recently elected Andrew D. White Professor-at-Large, at 8 p.m., on Thursday, Nov. 6, at the James Law Auditorium.

The conference is honoring Richard H. Barnes, the James Jamison Professor of Nutrition, for his outstanding contributions to research. Barnes was one of the first researchers to recognize the importance of the relationship between nutrition and behavior.

Cravioto is a physician and an international authority on nutrition and the mental development of children. He is currently the chairman of the Scientific Research Division of the Hospital del Nino in Mexico City and chairman of the Protein Advisory Group of the United Nations.

The possibility that inadequate food intake, particularly protein-calorie malnutrition, affects children's capacity to learn as well as their stature and weight, is a focus of Dr. Cravioto's studies.

### AGEDI Has Faculty Opening

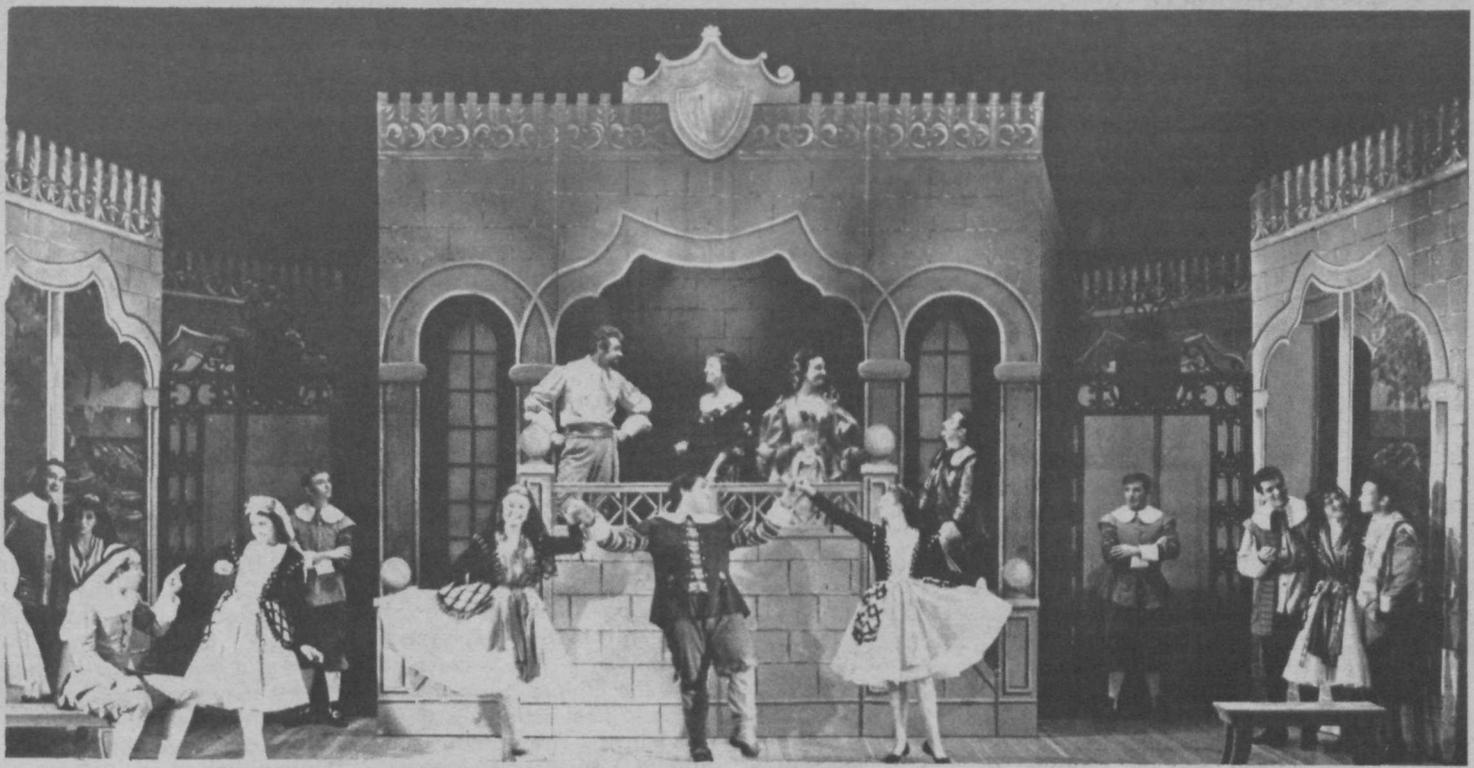
The Agency for Educational Innovation (AGEDI) is presently looking for a faculty member to fill the vacant faculty post on the AGEDI Board. Interested faculty should submit a letter to the board, 314 Baker Labs. More information can be obtained by calling the AGEDI office between 2 and 4 p.m. any day except Wednesday (6-6255).

## Activities Celebrate Puerto Rican Culture

The discovery of Puerto Rico by Christopher Columbus on Nov. 19, 1493, will be commemorated at Cornell by the Puerto Rican Social-Cultural Organization, a new student group on campus. Several events are scheduled between Nov. 13 and 16, according to Charles Rodriguez, chairman of the organization and a first-year law student.

Rodriguez transferred to Cornell as an undergraduate from the University of Puerto Rico in 1974.

Rodriguez said the events will focus on the folklore, poetry and other cultural aspects of being Puerto Rican. "We want to present Puerto Rican culture through the Puerto Rican community at Cornell," he said. "There are Puerto Ricans who come from the island, and from different environments in the mainland, but what really unites us is our culture." Rodriguez said that although Puerto Rico is a commonwealth of the United States, and Puerto Ricans are American citizens, mainland Americans often erroneously think of Puerto Rico as a foreign country. "However, we are different in our culture, which is Latin," he said.



The Goldovsky Grand Opera Theatre brings Mozart's "Don Giovanni" to the stage of Bailey Hall Friday, Nov. 14.

## 'Don Giovanni' to Be Presented

Mozart's opera "Don Giovanni" will be presented in English by the Goldovsky Grand Opera Theatre as the third event in the Bailey Hall concert series at 8:15 p.m. Friday, Nov. 14.

Tickets for the performance may be obtained at the Lincoln Hall ticket office (256-5144).

Free bus service to Bailey Hall from the B parking lot will be provided beginning at 7:30 p.m.

"Don Giovanni" was suggested as a plot to Mozart by Lorenzo da Ponte, who had written the libretto for "The Marriage of Figaro." Mozart composed the score while Da Ponte worked on the libretto, assisted by the notorious authority on amorous adventures Giovanni Jacopo Casanova de Seingalt, whose surname has become synonymous with "libertine."

Mozart conducted the premiere performance of his *dramma giocoso* ("gay drama") in Prague on Oct. 29,

1787. It was an immediate success, but in the next few years Mozart was forced to make changes in the score to suit his singers and his audiences.

For the 1788 Vienna premier, Mozart was obliged to add the arias "Mi tradi" for an influential soprano, who wanted to expand the role of Donna Elvira, and "Dalla sua pace" for a tenor who needed an alternative to the difficult "Il mio tesoro." In deference to Viennese taste, the composer also abandoned the opera's epilogue, in which the six surviving characters declaim the moral of the story and announce their plans for the future.

The Goldovsky company will present "Don Giovanni" in its original form, without the added arias and with the epilogue. The English translation was written especially for the Goldovsky production by Ruth and Thomas Martin.

Goldovsky, who narrates "Opera News of the Air" for the Metropolitan Opera radio broadcasts, founded his opera troupe in 1946. In addition to performance of the standard repertoire, Goldovsky is committed to production of new or unknown works. Among the operas that have received their American premieres from his company are Britten's "Albert Herring," Rossini's "The Turk in Italy," Mozart's "Idomeneo" and Berlioz's "The Trojans."

## Instructional Equipment Program Funded by NSF

Information on preparing proposals for the National Science Foundation Instructional Scientific Equipment Program has been received by the Office of Academic Funding, 123 Day Hall. The deadline for receipt of proposals at NSF is Jan. 19, 1976, a month later than last year. The purpose of this program continues to be providing partial financial support for the purchase of scientific equipment needed to implement a new or improved undergraduate instructional program in the mathematical, physical, biological, engineering and social sciences, and the history and philosophy of science. Also included are interdisciplinary areas overlapping two or more sciences (such as biochemistry, biophysics, geochemistry, meteorology and oceanography).

Cornell may submit only six proposals. No proposal may request more than \$20,000 in federal funds. A commitment must be made by the institution to provide matching funds from non-Federal sources in an amount equal to or greater than the funds provided by NSF.

Due to limitation of proposals and the probability that there will be more than six prospective applicants from Cornell, an initial review procedure has been established to select the six proposals to be submitted. Rather than preparing a full proposal, interested applicants are asked to prepare a brief narrative (maximum of two pages) of their intended proposal, indicating the specific nature of the "new" or "improved" instructional program. Also required is a budget page showing the items requested. The budget page, signed by the chairman, must indicate the source of matching funds. These informal abstracts (five copies) are to be sent to the Office of Academic Funding no later than Monday, Nov. 17, 1975. A group selected by the provost will evaluate these proposals, taking into consideration the quality of the new or improved program, department need, University priorities, etc. A decision on the six applicants will be made by Monday, Nov. 24, 1975, which allows six weeks in which to prepare a detailed proposal in accordance with the NSF guidelines.

Departments interested in applying for this program may obtain a copy of the detailed Guide for Preparation of Proposals from the Office of Academic Funding, 123 Day Hall (X6-5014). Specific questions should be directed to Peter A. Curtiss.

## Jazz Group's Fall Concert At Straight

Music from the era of the big bands will be featured when the Cornell Jazz Ensemble presents its fall concert at 4:30 p.m. Monday, Nov. 10, in the Memorial Room of Willard Straight Hall.

Joe Garland's "In the Mood" (the original Glenn Miller version), Marian McPartland's "Ambiance," and "Doin' Basie's Thing" are among the program selections as well as contemporary jazz pieces by Thad Jones, Ray Brown, Bill Holman and Hank Levy.

The Cornell Jazz Ensemble consists of five saxophones, five trumpets, five trombones and a rhythm section of piano, guitar, bass and drums. Most of the musicians are Cornell undergraduates, many of whom joined the ensemble when it was first formed last year.

The ensemble is directed by Gregory Pearson, a research associate in the Department of Education, and it is funded by the Undergraduate Finance Commission.

The concert is free and open to the public.

# Biologist Investigates Old-World Birds

## Bee Eaters Demonstrate Altruism?

Altruism — unselfish concern for the welfare of others.

Is this a trait that distinguishes human societies from those of "lower" animals? Or is it a figment of an insecure imagination striving to dissociate man from his bestial beginnings?

True altruistic behavior, explains Stephen T. Emlen, professor of animal behavior, should not occur under Darwin's theory of evolution. Altruistic individuals are defined as those engaged in behaviors that help others in their society — at a risk to themselves.

Recently Emlen and his biologist wife Natalie Demong investigated a group of old world birds known as bee eaters whose complex social system seemed truly altruistic — in direct contradiction to Darwin.

The birds, relatives of America's kingfishers, commonly have "helpers" in their nesting colonies — that is, a number of birds in the colony who help parent birds take care of family chores without raising a family themselves.

The helpers assist the breeding birds in excavating nest cavities (holes dug three to five feet into the hard earth of steep banks), take turns incubating the eggs and even help feed and defend the young birds.

Unlike helpers in other animal societies — among



Bee eater shows how it got its name. The bird is preparing to feed young.

lions and wild dogs, for example — bee eater helpers are often genetically unrelated to the birds they help. Their behavior cannot be explained, as it has been in other groups, as a way of indirectly passing on their own genetic material by helping close relatives such as parents or siblings reproduce successfully.

In central Kenya, where the Emlens spent two field seasons, they found a colony of 90 nests serviced by about 470 individuals. Some nests

were attended by as many as four helpers; very few were cared for by only the parent birds. Obviously there must be some advantage in either having or being a helper.

Originally the Emlens had assumed that birds with more helpers might be more successful in raising their young. Thus parents might be expected to induce non-breeding birds to join them as helpers.

Using a device called an optical scope — a series of lenses and a light bulb — which they designed for the investigations, the Emlens were able to look into nest cavities without disturbing the birds and monitor how nesting success varied with the number of helpers.

Their preliminary data, collected during the 1973-74 field season, indicated that helpers tended to interfere slightly with nesting success. When the Emlens returned to Africa this spring, the weather was much harsher, and nesting pairs with helpers seemed to have a slight advantage. The differences in nesting success in the colony were not great, however.

The data forced the Emlens to ask, "Do helpers really help?" A possible answer came from careful observations of the breeding colony's social system. Just before dusk each evening, they recalled, there was a period of intense social

interaction among birds in the colony. Helpers would visit holes of "friends" where they were tolerated, but they would also try to enter some holes where the rightful owners vigorously resisted the attempts at socializing.

Perhaps, the Emlens suggest, the term "helper" is a misnomer. The non-breeding birds may thrust themselves on somewhat reluctant parent birds during periods of socialization — not from an altruistic concern for the welfare of the next generation but because association with a group improves the chances that an individual will survive. The association may also provide the helper with experiences in "child care" which might be useful if it ever has the opportunity to breed.

In fact, the Emlens pointed out, since bee eaters are relatively long-lived, helpers probably do have occasion to breed when environmental conditions are right.

An earlier study of bee eaters in West Africa — where environmental conditions are more predictable — revealed, for example, a much lower incidence of helpers in the breeding colony. A full two-thirds of the parent birds in the West African study raised young without help; about a third had one helper; few had more than one helper. In harsher East Africa as many as four helpers to a nest was common.

The Emlens' work raises some interesting questions about altruism in animals generally. If most instances of altruism in lower animals can be explained by kin relationships and if altruism even in bee eaters society — which approaches that of primates in its complexity — can be explained as selfishness in disguise, then does true altruism really exist at all? Is man unique in being altruistic, or does man also seek selfish ends or reciprocated aid for his seeming acts of altruism?

### Sage Notes

Nov. 7 is the deadline for graduate students for filing change of course forms. These register a change from a credit to audit, or add/drop of a course, or change from grade to S/U, or changes due to course number error, or changes in credit hours listed. The forms must have the signatures of instructors of relevant courses and chairman of student's Special Committee.

# Cornell 1975-76 Faculty Salaries Data Released

University Provost David C. Knapp has released data on 1975-76 average faculty salaries at Cornell by rank and by college. The data is con-

tained in the accompanying chart. In releasing the data, Knapp noted that the statistics include only salaries of faculty actually on the payroll. Vacant

positions or blank line items, therefore, are not included. To arrive at the averages, Knapp said, every faculty salary, regardless of the source of funds,

was listed by college and by rank and at \$100 intervals. A distinction was made between nine-month and 12-month appointments. Individuals with

split salaries were counted as endowed college faculty if 50 per cent or more of the salary is paid from endowed funds. If 50 per cent or more of the salary comes from statutory funds, the individual was counted as statutory college faculty.

Department chairmen and directors, Knapp said, were counted at full salary, including the added administrative supplement, and as either nine or 12-month salaries according to designation by the appropriate dean. Assistant and associate deans who carry professorial titles were counted in the same manner provided their positions are not 100 per cent administrative. Also included in the count, Knapp said, were those individuals with acting appointments, those on sabbatic leave, and those on leave without salary. These were included at their specified base salaries. Those with half- or three-quarter time appointments were included at the full-salary rate. Excluded were deans and visiting professors.

Knapp also pointed out that for purposes of comparison in the chart, 12-month appointments in the statutory units have been converted to nine-month appointments. There are far fewer 12-month appointments in the endowed units than in the statutory units, he said.

1975-76 FACULTY SALARIES AVERAGE BY RANK AND BY COLLEGE											
9 MONTH BASIS											
ENDOWED:	COLLEGE	PROFESSOR		ASSOCIATE PROFESSOR		ASSISTANT PROFESSOR		LECTURER		INSTRUCTOR	
		Number	Average	Number	Average	Number	Average	Number	Average	Number	Average
	ARTS & SCIENCES	199	\$26,696	110	\$17,974	119	\$14,043	23	\$ 9,426	6	\$11,055
	ARCHITECTURE	20	25,790	14	17,071	23	14,617	0	0	(1)	**
	B&PA	9	27,616	10	21,035	11	17,472	0	0	0	0
	ENGINEERING	90	26,129	41	18,751	45	15,107	(1)	**	(1)	**
	HOTEL ADMINISTRATION	(4)	**	7	21,500	5	15,300	6	14,166	0	0
	LAW SCHOOL	17	34,329	(4)	**	(2)	**	0	0	0	0
	OTHER *	9	27,022	8	23,850	14	16,764	1	15,800	3	11,366
	TOTALS ENDOWED	344	\$26,950	190	\$18,667	217	\$14,714	30	\$10,586	9	\$11,100
STATUTORY: (12 month appointments in Statutory units have been converted to 9 months by using 9/11 as the conversion factor.)											
	AGRICULTURE & LIFE SCIENCES	197	\$25,361	129	\$18,883	70	\$14,699	19	\$10,175	(2)	\$ **
	HUMAN ECOLOGY	30	25,334	38	18,539	27	14,003	7	13,278	5	11,498
	VETERINARY	42	25,647	26	20,841	10	19,211	(1)	**	(1)	**
	I&LR	29	28,182	8	22,804	13	16,581	0	0	(1)	**
	GENEVA	28	23,516	25	18,390	12	14,281	0	0	0	0
	OTHER **	0	0	0	0	0	0	1	14,172	4	10,542
	TOTALS STATUTORY	326	\$25,488	226	\$19,135	132	\$15,046	27	\$11,127	9	\$11,073

\* Includes Africana Studies, CIS, Computer Science, Education, Nutrition  
 \*\*Averages for groups of 4 or less are included among "other".



*Jack Squier,*

*Sculptor*



"Oh it's very nice Jack (Cornell sculptor Jack Squier) ... but ... I don't know exactly how to say this ... what are you really trying to say?"

"I'm not trying to say anything. It's just a beautiful girl fixing her hair that's all."

Squier related the dialogue the other day in his studio as a composite of numerous reactions to his latest work.

"It amazes me," he said. "It's exactly the same reaction I used to get to my abstract pieces — which was sort of understandable, I thought — but now that I have turned to realism I still get the same reaction."

He then began to point out the various directions from which one could look at a group of three sculptures he had placed on a pedestal.

"From here ... you see ... and this frames that with the head and arms ... and she seems to be slighting her while the other looks on indifferently ..."

He spoke more with his hands and gestures and movements of his whole body than with his words as he approached the group from all angles; he was in communion with his creation as he caressed a hand, a finger, an arm and then quizzically examined the tilt of a head and muttered something about changing this or that, maybe just a little.

He was for those few seconds immersed in his sculptures and seemed a perfect example of what the philosopher John Macmurray meant in trying to make the distinction between science and art:

"There are occasions when we live in our senses (art) instead of using them (science and everyday life); when the sensuous activity is its own end, and has its meaning in itself ... Consequently, the artist's seeing or hearing is associated directly with satisfaction, and the delight is in the hearing and the seeing. So a man looks up from his labour in the fields at evening and sees the glow of the sunset. He forgets his weariness and the purpose of his work, to look at the sky, and to say to himself, 'how lovely!' And there is no more to be said."

The noted British art critic and historian Sir Ernst H. Gombrich, an Andrew D. White Professor-at-large, a man who has literally written volumes on art appreciation, was even more brief when he concluded a scholarly lecture on art at Cornell recently by stating that it all boils down to "the more you look, the more you see."

"But what good is that?" insists the composite visitor to Squier's studio.

Macmurray says "This joy in the life of the senses would seem to be a particular expression of something wider - the feeling that it is good to be alive ... and the natural outlet for this energy is to shout or sing or dance" and for Jack Squier to sculpt ... an act of faith.



Since graduating from Cornell with a master's degree in fine arts and joining the Cornell faculty in 1952, Squier has earned an international reputation. His pieces, mostly abstract, are represented in many noted collections including those of the Museum of Modern Art, the Whitney Museum in New York City and the Instituto de Arte Contemporaneo, Lima, Peru. Several years ago he started "experimenting rather tentatively with realism" and is still at it. For some, this has seemed a radical turnabout in his career but for others it seems totally consistent when one considers that his abstract work is often described "in terms of his response to nature and forms of living things. He expresses his reaction in pure, simple shapes and combines a minimum of elements in each work. Using the impact of restrained but vital expression, he seeks to evoke a real presence."

## Academic Funding: New Awards Received

The Office of Academic Funding announces the following new grants and contracts for sponsored programs for the Ithaca and Geneva units of the University.

Project Director	Department	Title	Sponsor	Amount	Period
FARRIS, C.J.	EDUCATION	In-Service Teacher Development of Modular Home Ec Curriculum	NYS	3,600	12 mos.
FEENY, P.P.	ECOLOGY	Intrasexual Competition and Female Choice as Determinants	NSF	1,180	6 mos.
FEIGENSON, G.W.	BIOCHEM	Lipid-Protein Interactions and Calcium Transport	NIH	40,918	12 mos.
FRANCIS, I.S.	ILR	Research on the Evaluation of Statistical Program Packages	NSF	79,759	24 mos.
FULKERSON, D.R.	OPERRES	Topics in Combinatorial Optimization	Navy	33,815	24 mos.
GAURNIER, P.L.	HOTEL	Grad Program for Training Hotel Students to Teach Jr. College Level	OE	20,250	12 mos.
CAYLOR, J.L.	BIOCHEM	Predocutorial Training in Cellular and Molecular Biology	NIH	69,108	12 mos.
GEHART, B.I.	MECHAERO	Flow Transition and Turbulence in Several Buoyancy Induced Flows	NSF	112,091	24 mos.
GEORGE, A.R.	MECHAERO	Research on Helicopter Rotor Noise	ARMY	100,000	36 mos.
GIERASCH, P.J.	CRSR	Grant-In-Aid -- Fellowship	SLOAN FOUND.	19,962	24 mos.
GLASS, E.H.	GENEVA EXP STA	Pesticide Research for Increased Crop Production	NSF	17,380	12 mos.
GOOD, G.L.	FLORICULTURE	Winter Production of Container-Grown Rhododendron	AMER. RHOD. SOC.	500	50 mos.
GRACEN, JR., V.E.	PLTBREED	Biochemical and Biophysical Mechanisms Maize Resistance To Pests	ROCKEFELLER	200,000	36 mos.
GROSS, L.	MATH	Analysis of Fermion Fields	NSF	9,500	12 mos.
HABEL, R.E.	VET	Illustrated Veterinary Anatomical Dictionary	NIH	23,758	12 mos.
HAN, S.	COMP SCI	Research Init - Quasi-Newton Methods	NSF	16,998	24 mos.
HANSEL, W.	AN SCI	Role of Estrogen in Regulation of the Female Cycle	NIH	76,578	12 mos.
HARTMAN, P.L.	LASSP	Novel Optic Studies of Materials and X-Ray Holography	Navy	28,000	12 mos.
HARTMANIS, J.	COMP SCI	Computational Complexity	NSF	57,694	12 mos.
HILDEBRAND, G.H.	ILR	Evaluation of the Impact of the Federal Contract Compliance Program	LABOR	11,600	8 mos.
HOGUE, D.E.	AN SCI	Adequacy of Hi-Lysine Maize as Major Dietary Component	AID	25,000	24 mos.
HOUP, T.R.	VET	Control of Food Intake: Glucostatic and GI Factors	NIH	31,387	12 mos.
HOWLAND, H.C.	NEURO BIO	NSF Instructional Scientific Equipment Program	NSF	3,900	12 mos.
JOHNSON, H.H.	MATL SCI & ENG	Structural Characterization of Hydrogen Attack	NASA	32,259	12 mos.
JOHNSON, H.H.	MATL SCI & ENG	Interdisciplinary Materials Research	Navy	400,000	16 mos.
JOHNSON, H.H.	MATL SCI & ENG	Collagen as a Biomaterial	NSF	130,000	12 mos.
JONES, B.G.	ARCH	Environmental Health Planning Training Grant	HRA	55,169	12 mos.
JONES, B.G.	CUDR	Photogrammetric Mapping of Mills Mansion	NYS	6,000	12 mos.
KARIG, D.E.	GEO SCI	Systematic Synthesis of Available Data	NSF	57,850	12 mos.
KARIG, D.E.	GEO SCI	Synthesis of Marine Geologic Data in the Philippine Sea	NSF	10,844	12 mos.
KARIG, D.E.	GEO SCI	Letter Agreement No. 2 With Columbia University-NSF Grant	NSF	2,016	12 mos.
KIM, M.	EE	Study of Cancer Cell Kinetics and Chemotherapy	NIH	29,790	12 mos.
KINSELLA, J.E.	FOOD SCI	Modification of Proteins for Improved Functional Properties in Food	NSF	77,150	24 mos.
KNAPP, A.W.	MATH	Analysis of Semi-Simple Groups	NSF	21,198	12 mos.
KOCHAN, T.A.	ILR	Evaluation of the Impact of the Change in Impasse Procedures	NSF	79,261	24 mos.
KUCKES, A.F.	APPLIED PHYSICS	Electromagnetic Induction Sounding Experiments	NSF	99,977	24 mos.
LAMBERT, B.	ANTHROPOLOGY	Public Health Service Research Fellowship for Kathryn S. March	NIMH	12,096	12 mos.
LANCE, R.H.	THEO & APPLIED MECH	Mechanical Behavior of Materials at Elevated Temperatures	ERDA	70,000	18 mos.
LATHWELL, D.J.	AGRONOMY	Fertilizers and Increased Food Production	NSF	9,108	12 mos.
LEE, C.A.	EE	Optimization of GAAS Material	ROCKWELL INT'L	53,375	8 mos.
LEWIS, A.	APPLIED PHYSICS	Energy Transduction Via the R2 Neuron Ofaplysia Californica	NSF	10,435	9 mos.
LIKENS, G.E.	ECOLOGY & SYS	Calibration of Collection Procedures for Determination of Precipita	COMMERCE	20,000	12 mos.
LUCAS, W.F.	OPERRES	Cooperative Theory of Behavior and Its Applications	Navy	15,800	12 mos.
LYNN, W.R.	CEQM	Environment Impact Statement Assessment	ROCKEFELLER	20,000	12 mos.
MAAS, J.B.	PSYCH	Teaching Teachers of Writing	EXXON	7,600	3 mos.

To be continued

## Bulletin Board

### Hockey Ticket Sale Process

An announcement will be made on Ithaca radio stations WHCU, WTKO and WVBR between 12 noon and 2 p.m. on Sunday, Nov. 9, as to the day, time and place where Cornell students will be issued numbers to establish their positions in a line for Cornell's hockey season ticket sale. Specific information as to the next steps in the ticket sale process will also be given. 1,300 student season tickets (no more than two per person in line) will be sold at \$15 each to All-Sports (CUAA) Ticket Book holders.

Information on season ticket sales to faculty, staff and townspeople will be included in the announcement.

### Peace Corps Representatives

Peace Corps representatives will be on campus Nov. 10-13 to talk with students and faculty members about opportunities in the Peace Corp this spring and summer. The representatives will be attending booths in the Straight, Mann Library and the Career Center. Students are encouraged to talk with the representatives if they are interested in Peace Corps jobs after graduation. Seniors and graduate students may set up an appointment in advance with the Career Center.

### Plantations Terrarium Course

A short course in terrarium construction and maintenance will be offered by the Cornell Plantations on Nov. 11 and 18 from 7:30 to 9:30 p.m. All materials will be provided. The fee is \$12. Persons interested in the course should call the Plantations at 256-3141.

### Regents, TAP Checks Available

New York State Regents and Tuition Assistance Program checks for which the award certificate was dated prior to Aug. 20 are available now.

### 'Socialism and Feminism' Panel

Alice Cook, professor emerita, School of Industrial and Labor Relations, is moderator of a panel discussion, "Socialism and Feminism," tonight at 8 p.m. in Room 117, Ives Hall. The program is open to the public.

The panel, sponsored by the Democratic Socialist Organizing Committee, will explore the relevance of socialism to feminism in America and throughout the world, as well as an analysis of women's labor, not only in the job marketplace, but in the home as domestic worker.

### Philosophy Seminars Planned

German philosopher Hans Georg Gadamer will give two seminars Nov. 6 and 7. The first will be on his former teacher, Martin Heidegger, and the other on hermeneutics and art. Both will start at 4:15 p.m. and will take place at the Andrew D. White Center for the Humanities under the auspices of Cornell's Society for the Humanities.

Now an emeritus professor, Gadamer was appointed in 1949 to professor of philosophy at the University of Heidelberg, as successor to Karl Jaspers.

### Medical Registration Deadline

JUNIOR PREMEDS — Cornell/Cornell Med Dual Registration Program. Deadline for registration for above program is Nov. 14. Qualified applicants should register and complete files in Health Careers Office, G-14 Stimson Hall.

### PLATO IV Lecture Scheduled

A lecture and demonstration on the PLATO IV system for computer-assisted instruction, with extensive visual and graphics capabilities, will be presented at 2:30 p.m. Friday in G-14 Uris Hall by the Office of Computer Services.

The PLATO system employs a versatile language that allows instructors to write, implement and modify lessons in a wide variety of fields. The Cornell system already contains more than 2,000 lessons written by other authors and available for use.

### 'Cuba Now' Lecture Slated

Jose J. Arrom, a leading authority on Latin American literature, will give a public lecture in Spanish at 4:30 p.m. Monday, Nov. 10, in Goldwin Smith 283 on the topic "Cuba ahora: la cultura en una sociedad revolucionaria." A Cuban by birth, Arrom has been on the faculty at Yale University the past 30 years. He has just returned from a visit to his homeland. He is the author of numerous books and articles, both in English and Spanish, on Latin American literature and in particular, Cuban literature.

### Nazi Regime Lecture Topic

German historian Jurgen Kocka will give a public lecture on the topic, "The Nazi Regime in Germany: Its Social Origin and Function," at 4:30 p.m. Wednesday, Nov. 19, in Ives Hall.

A professor of history at the University of Bielefeld, Kocka is also an editor of one of the leading German scholarly journals, *Geschichte und Gesellschaft*. Kocka is currently a member of the Institute for Advanced Study at Princeton, N.J.

His lecture is under the auspices of the Committee on University Lectures.

# Soccer: Final Home Game Is with Brown

When Yale and Harvard meet in their football finale this year it will be called "THE GAME," as usual.

But "THE GAME" in Ivy League soccer will be played Saturday at 10 a.m. on Schoellkopf Field when Cornell will be host to Brown in Cornell's last regular season home game.

COACH Dan Wood's Big Red team stands alone on top of the league with a 4-0 record.

The Big Red upped its seasonal record to 9-1 with a 3-0 triumph over Hartwick last night.

Brown, Ivy champion the last two years, slipped out of a tie with Cornell when the Bruins were upset last Saturday at Princeton, 2-1. Every other team in the league has at least two losses, so a Cornell win over Brown would assure the Big Red of no worse than a tie for the title, a "first" in its soccer history.

Despite the loss to Princeton, Wood feels Brown (5-1-2) is one of the best soccer teams in the country. "There's no question in my mind that Brown has the best offensive talent in the East. Also, they've shut out four teams and only given up two goals twice," Wood said.

Brown's offense is so strong that Fred Pereira, All-America as a sophomore and certain to be their all-time leading scorer, only ranks third in goals this season.

Ahead of him are a

freshman, Peter Van Beek, who had four goals and two assists against Army and both Brown goals in their tie with Connecticut, and junior Mark Griffith.

Steve Ralbovsky, a senior, is "the best of them all," in Wood's opinion. An All-America fullback last season, he's been moved to a forward position this year.

Brown's solid defense features a sophomore goalkeeper, Dave Flaschen, who's allowed six goals in eight games.

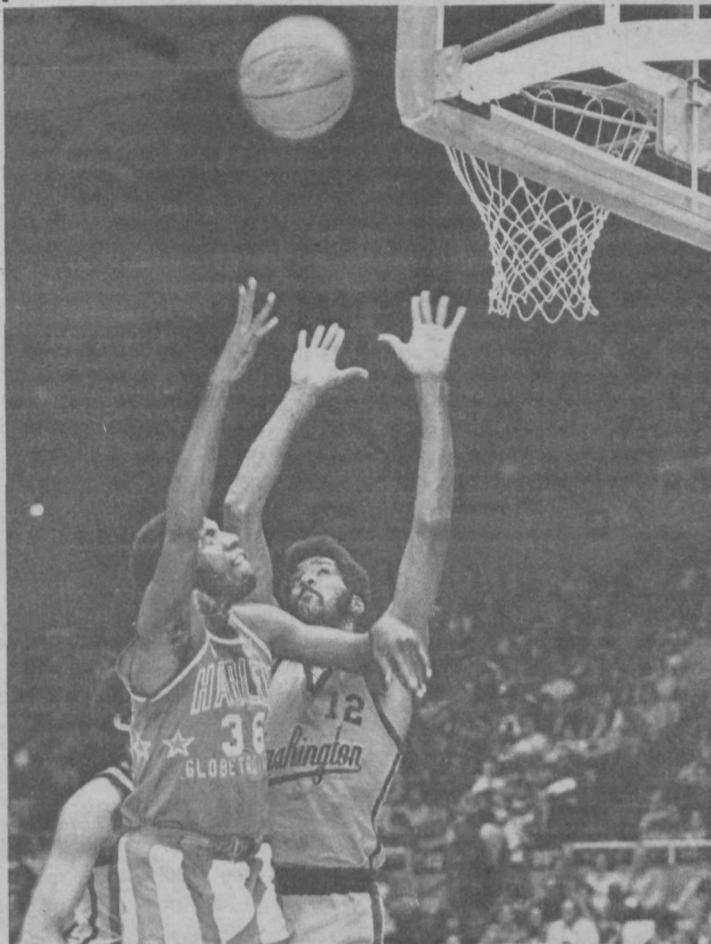
"If we don't put pressure on their forwards early — and keep it on — they can blow you out with their offense," Wood said. "We must stop their very skillful short passing game."

There's been nothing wrong with the Cornell defense thus far. Through nine games they have yielded only six goals, never more than one in a game, and had three shutouts.

The pressure will be on senior fullbacks Jay Holbrook and Dave Emmerson and sophomores Paul Beutenmuller and Mark McAllister, as well as junior goalkeeper Dan Mackesey.

Offensively, Cornell continues to show scoring balance. Joe Mui was the nine-game leader with four goals and four assists. Dave Sarachan is right behind with four goals, three assists and Luis Portugal has four goals, one assist.

## Basketball Team to Benefit *Globetrotters Coming to Barton*



Meadowlark Lemon of the Harlem Globetrotters, lofts ball in the right direction.

The Harlem Globetrotters basketball team is coming to Ithaca on Nov. 16 for a 7 p.m. game at Cornell's Barton Hall.

Tickets priced at \$5 and \$4 are on sale now at the Teagle Hall Ticket Office, at Willard Straight Hall and downtown at Mayers Smoke Shop.

The game here is being sponsored by Cornell's basketball team, with proceeds going to the Big Red basketball program.

Enjoying their golden anniversary season, the Trotters have exhibited a special combination of basketball skills and court comedy.

As stars of their Sunday morning series on CBS Television, the Trotters have gained many new fans and added a new dimension to their talents. They continue to take their special brand of play to remote sites.

Over the years, the Trotters have played before nearly 80 million people in 94 countries. Their travels have carried this unusual team over eight million miles around the world.

At half time of the game, fans will be treated to variety acts from around the world.

### *Final Home Game*

## Big Red Football Faces Brown U.

Potent Brown University comes to Schoellkopf Field this Saturday for the final home game of the season at Cornell.

The Bruins, now at 4-1-1 overall and 3-0-1 in the Ivy League, will oppose a Big Red team that is 1-5 overall and 0-4

in the Ivies.

The Brown offense is led by quarterback Bob Bateman, a 6-5, 195-pound senior who has completed 76 of 139 passes so far this season.

Employees' Day at the football

game Saturday with Columbia drew approximately 1,900 customers who took advantage of \$1 tickets, according to the Athletic Department. Columbia won, 42-19.

The promotion was an experiment this year.

## New Head Swimming Coach Is Appointed

Jim Perkins, assistant swimming coach at Auburn the last two years and a four-time All-America at the University of Florida, has been appointed head swimming coach at Cornell, according to Robert J. Kane, dean of physical education and athletics.

Perkins, 25, replaces Bill Barton, now head coach at Duke. Rick Gilbert, diving coach and director of aquatics at Cornell, continues to head up the entire swimming program.

As an assistant coach at Auburn, Perkins played a part in the Tigers' emergence as a national swimming power. They were seventh in the NCAA meet last year, by far their best showing in national competition.

Perkins, primarily a breast stroker, earned All-America honors all four years he swam for Florida. He was an NCAA finalist twice and he holds several Southeastern Conference and Florida records.

The captain of the Florida team as a senior, Perkins was honored as the outstanding captain of all Gator teams that year.

Following graduation in 1971, Perkins spent two years in the U.S. Army. During part of his tour he was an assistant coach at West Point. He also coached a youth group swim club there,



Jim Perkins

taking them from a 1-6 record to an 8-2 mark.

Perkins earned his master's degree in physical education at Auburn in 1974. He has a strong background in exercise physiology, which he feels should help him in training techniques.

A native of Gainesville, Fla., Perkins graduated from Gainesville High School in 1967. He was a high school All-America, captain of his team and Most Valuable Swimmer his senior year. Perkins was the state runnerup in the 100-yard breaststroke and set numerous records in AAU competition.

## *Saw Sings Stump's Swan Song*

Anything but a tabula rasa, the elm tree stump turned kiosk in front of Willard Straight Hall will no longer advertise birthdays, political causes or serve as a platform for campus speechmakers and fund-raisers. The five-foot high stump was cut down to a two-foot stump by early morning vandals yesterday.

Lt. Douglas E. Conover said Wednesday afternoon that the Safety Division was still investigating the vandalism which is believed to have occurred between 4 and 6 a.m. The vandalism is being termed an act of criminal mischief, a misdemeanor, he said.

The stump was apparently cut with a power saw, he said, and the piece removed from the site.

The stump became a kiosk after the elm succumbed to Dutch elm disease about 1967 or 1968, Conover said. Campus protest to complete removal of the tree, which had been an informal bulletin board, resulted in only partial removal of the stump by the former Department of Buildings and Properties.

*A tabula rasa is a clean slate.)*



# The Senate Page

(The Senate Page is the official bulletin of the Cornell University Senate. Publication is supervised by Arthur L. Steinberg, secretary of the Senate, 133 Day Hall. 256-3715.)

**NEXT SENATE MEETING:** Tues., Nov. 11, 7:30 p.m., Bache Aud., Malott Hall

**THURSDAY, Nov. 6**  
 Planning Review Committee, 11:45 a.m., Senate Office  
 Academics and Educational Innovation, 4:30 p.m., Senate Office  
 Campus Life Committee, 5:15 p.m., 494 Uris Hall  
 Campus Life Open Budget Hearing, 7:30 p.m., G-94 Uris Hall  
 Minority and Disadvantaged Interests, 7:30 p.m., 103 Barnes  
**FRIDAY, Nov. 7**  
 Unions and Facilities, 1:25 p.m., 460 Uris Hall  
 Counseling and Advising, 3 p.m., 248 Goldwin-Smith  
**MONDAY, Nov. 10**  
 Codes and Judiciary Commit-

tee, 3:30 p.m., 248 Uris Hall  
 Admissions and Financial Aids, 3:45 p.m., Senate Office  
 Executive Committee, 4:45 p.m., Senate Office  
**TUESDAY, Nov. 11**  
 Senate Meeting, 7:30 p.m., Bache Aud., Malott Hall  
**WEDNESDAY, Nov. 12**  
 Nominations and Elections Committee, 4 p.m., Senate Office  
 Physical Education and Athletics, 4 p.m., Schoellkopf House  
**THURSDAY, Nov. 13**  
 Planning Review Committee, 11:45 a.m., Senate Office  
 Academics and Educational Innovation, 4:30 p.m., Senate

Office  
 Campus Life Committee, 5:15 p.m., 494 Uris Hall.

## Proposed Agenda

- November 11, 1975  
 Bache Auditorium  
 7:30 p.m.
1. Question Time
  2. Minutes - Vol. VI, No. 1-9
  3. Announcements
  4. Agenda
  5. CAMPUS LIFE COMMITTEE BUDGET PRESENTATION (45)
  6. F-42-a - SUMMER STUDY GROUP REPORT ENDORSEMENT ACT (45,3)
  8. Adjournment

## Public, Community Affairs Meetings Open

The committee has just started meeting this fall for the first time in a year and all are eager to get some constructive work done. Several people who are not officially on the committee but are interested in our area also attend the meetings and provide needed input. Since the committee has no recent activities to use as a reference we are essentially breaking new ground and searching for areas of interest.

Right now we have several different topics before us. We are looking at the studies and research done on Safety Division as to a possible cut in that program and will probably give our own recommendation soon. An issue that has just come before us is the proposed Cornell solid waste treatment plant and the possibility of using the waste or fuel in the Cornell heating plant. The possibility of this and its possible effect on the Ithaca and Cornell communities needs to be studied further.

At our last meeting we had Ithaca mayor Ed Conley as our guest to enlighten us on areas of interest and problems between the Cornell and Ithaca community. Conley presented

the problem of Cornell's tax free facilities competing with Ithaca businesses. Prominent examples were the Campus Store, Statler, and the Cornell student film program (Ithaca theatres are in financial straits; one has closed). Conley believes that if Ithaca must be a Cornell community then Cornell must be an Ithaca community and we should foster a good working relationship. One idea that the committee will probably follow up on is to have city officials on the Cornell Senate or some joint body made up of Ithaca and Cornell decision makers.

Next week the committee will host Randy Shew, who is chairman of the Community Relations Council. He has dealt with community problems in the past and we hope to get some input from him. All are welcome to attend our meetings (posted in the *Sun* and *Chronicle*) and work with the committee in fostering a good and mutually beneficial relationship between Cornell and the surrounding communities.

Mark Venuti  
 Chairman,  
 Public and Community Affairs  
 272-9770

## Senate Actions — October, 1975

SA NO.	TITLE AND ABSTRACT	SPONSOR	ACTION TAKEN
SA-358	ELECTION OF SENATE CANDIDATES FOR THE INVESTMENT ADVISORY COMMITTEE	Executive Committee	ADOPTED
SA-359	SPECIAL RULE FOR CONSIDERATION OF ENTERPRISE BUDGETS	Executive Committee	ADOPTED
SA-360	C.O.C. STAFFING RESOLUTION [Nominations to Senate committees and boards.]	Committee on Committees	ADOPTED

## Current Legislative Log

BILL NO. DATE SUB.	ABSTRACT	SPONSOR	COMMITTEE REFERRED TO
F-66 10/28/75	Introduces the four enterprise budgets of the Division of Campus Life.	Campus Life Comm.	Campus Life Comm.
F-67 10/29/75	Calls for the Senate to conduct a referendum on community self-governance during the Fall semester, 1975.	Stromberg, Harrison, Peter, et al	Executive Committee

## CUE Reviewing Grievance Plan

The chairman of the Senate Committee on the University as an Employer is a non-voting member of the Personnel Policy and Planning Board. This group of 17 includes the vice presidents for administration, research, facilities and planning, and campus affairs, the provost, the Employee Trustee, the treasurer, the counsel, and other officials and representatives. It has been considering a succession of at least nine revisions to the employee grievance procedure for the past 14 months. The members of CUE were involved in this re-

vision process only after seven drafts had already been written. Some of their suggestions were incorporated into the eighth and ninth drafts, but the committee's continued work on the grievance procedure has raised many more questions not yet considered by the PP&PB. Pertinent new issues are raised by almost every new person included in these discussions, so that it seems much broader consultation is necessary before the policy is set. The CUE is particularly desirous that past grievants share their opinions, both as to the

policy and as to its administration by the Personnel Office, by supervisors, and by the Ombudsman's Office. The CUE does not intend to consider the substance of past or present grievances, and will scrupulously respect the desire for privacy of both sides to grievances. The committee would appreciate, however, information about the past administration of the grievance procedure. Employees may call or write the chairman of CUE, Ed Durbin, Applied Physics, Clark Hall D-3, 6-3939 or 533-7156 (home).

## Employee Ski Program Announced

With the leaves rapidly falling from the trees, can snow flakes be far behind? The Cornell Ski Club hopes not, and is offering its annual Cornell Employee Ski Program at the Greek Peak Ski Area this winter, according to Katie Besemer, Department of Agronomy, G-06 Bradfield. Four lessons lasting an hour-and-a-half, each to be given by Greek Peak's International Ski School are included in the six nights of skiing offered in the program.

Employees and their families may sign up for any six weekly

consecutive nights Monday through Saturday beginning Jan. 5; coupons for evening ski programs may also be redeemed for afternoon, skiing lessons, and rentals from 1 to 6 p.m. in place of an evening, Besemer said.

Cost per person is \$34 for six nights of skiing with unlimited use of all lifts, and if rental equipment is used, \$15 additional.

Registration may be made by contacting Besemer via campus mail or by calling her at 256-2040 days and at 273-9205 weekends. Deadline for re-

gistration is Dec. 12.

There will be a sign-up and informational meeting for interested persons at 1:30 p.m. Sunday, Dec. 7 at the Tin Can Building adjacent to Stewart Park.



## Academics Committee Has Suggestion Box

How would YOU improve education at Cornell? How can the quality of teaching be improved? Can you suggest a better grading system? Does Cornell place too much emphasis on research? Can you suggest a way to improve the advising system? The Academics Committee of the Senate wants to hear YOUR ideas.

If you have any thoughts on academic issues at Cornell, we want to hear from you. A grievance box will be set up in Uris Library where you can leave your written suggestions and gripes.

But if you are really inspired, you can present your ideas to our committee, and together we will try to get action on your proposal.

The Academics Committee is currently working on the problems associated with pre-registration. Although some administrators feel pre-registration is irreplaceable, it has been pointed out that there are many disadvantages to the current system for students. But no one knows how the faculty feels! After all, only professors really know if pre-registration is of value in their course. Our committee is now planning to mail out a questionnaire to all faculty members in order to determine the true value of pre-registration. But we would still like to hear the individual views of students, faculty members and administrators. Hopefully, as we gain more information, we can put together a proposal for a more effective pre-registration system.

In the future, our committee

may sponsor a debate on the emphasis Cornell places on research as opposed to teaching. But is this an issue of central importance to Cornell? Who should partake in such a debate? How can we best promote a healthy exchange of ideas? These are the questions that our committee will be considering in the next few weeks, and we want to know your opinions.

The Academics Committee, and the Senate, can work FOR you. But you have to make contact with us. Leave suggestions in the box in Uris Library, or better yet contact us through the Senate office in Day Hall.

Jess Amchin  
 Chairman  
 Academic Committee  
 256-2592

## Professor Has One-Man Show in NYC

Artist John Hartell, professor emeritus at Cornell, is having his 10th one-man show since 1943 at the Kraushaar Galleries in New York City. The exhibition of Hartell's paintings and watercolors will run through Nov. 8. Many of Hartell's recent works are of the seashore, Cayuga Lake, Long Island and the Aegean.

Hartell, who was retired in 1968 from Cornell, was graduated from Cornell in 1925 and joined the faculty of its College of Architecture, Art and Planning in 1930.

# Undergraduate Education Study Set

Two faculty committees to study aspects of undergraduate education in the College of Arts and Sciences have been established by Dean Harry Levin.

He named Theodore J. Lowi, the John L. Senior Professor of

American Institutions, chairman of an 11-member General Education Committee and Donald F. Holcomb, professor of physics, chairman of a seven-member Committee on the Improvement of Undergraduate Education.

Levin said the Lowi committee, expected to make its report in the spring, has been asked to lay out broad principles from which new programs can be derived and which may be used to change the structure of freshmen and sophomore programs in the Arts College.

The Holcomb committee is expected to report back to the dean sometime in December. Among other issues, the committee will examine the format of courses, the training and supervision of teaching assistants, ways to help and encourage new faculty members, departmental programs to improve instruction, the uses of student course evaluations and class size.

# Risley College Theater To Present Play

"Alice Through the Looking Glass," a contemporary play based on Lewis Carroll's story of the same name, will be presented at the Risley Residential College's theater during the next two weekends, with the first performance to begin at 8 p.m. Friday, Nov. 7.

The play will also be presented at the same time on Nov. 8, 9 and 14, 15 and 16. Tickets, at \$1.50 each, for any of the performances may be purchased at 7 p.m. Friday (Nov. 7) at the Risley Theater box office.

The play adaptation was written by two California residents, Gail Anderson and James Apickand, according to play director James Sienna, a freshman in the College of Arts and Sciences. Sienna, said the play "takes Alice on a journey from childhood into the realm of being a woman" and "it tries to actively involve the audience as a mirror, or looking glass, for Alice."

The actors, with the exception of Sue Fishkoff as Alice, play several roles each. Sienna has had experience in both experimental and children's theater.

## Career Center Calendar

Nov. 6—Bring your questions about State Internships to the Career Center. Discussion session 4 p.m. This session will be repeated on Nov. 12.

Nov. 7—Bring your questions about Local Internships to the Career Center. Discussion session 4 p.m. This session will be repeated on Nov. 10.

Nov. 7—Deadline for submitting applications for January placement into the Peace Corps.

Nov. 8—Test date for the National Teachers' Exam, the Pharmacy College Admission Test and the Veterinary Aptitude Test.

Nov. 11—Discussion session with Dan Kimball, Dean of Admissions of Cornell Law School, about law school admissions and financial aids. 4:30-5:30 p.m. Interested persons should call 256-5141.

Nov. 12—"Market Research," "Finding Interesting Employers," or "Alternatives When You Can't Get the Job You Want." 11:15 a.m. at the Career Center. Please sign up in advance.

## Calendar

Continued from Page 12

- 4 p.m. Open Prose & Poetry Reading. Temple of Zeus, Goldwin Smith.
- 4:30 p.m. Microbiology Seminar: "What is the Respiratory Growth Yield of E. Coli?" W.F. Hempling, Dept. of Biology, University of Rochester. Stocking 204. Coffee at 4:15.
- 6 p.m. The Christian Science Organization invites students, faculty and staff to a Readings and Testimony meeting in the Founders Room, Anabel Taylor.
- 6:30 p.m. Kundalini Yoga: The Yoga of Awareness. Noyes Center 308.
- 7:30 p.m. Cornell Bridge Club weekly game. Straight North Room.
- 7:30 p.m. American and World Community Series: Review with Professors Mbata, Baer, Mellor and Awa. Anabel Taylor Auditorium.
- 7:30 p.m. Israeli Folk Dancing. One World Room, Anabel Taylor.
- 7:30 p.m. Lecture: "Food Self-Sufficiency in Vermont, Another Look at Bread and Land." James Nolfi, professor Goddard College, Vt., director, Vermont Food-Self-sufficiency Project. Edwards Room, Anabel Taylor. Sponsored by the Alternative Energy Group.
- 8:15 p.m. \*University Theatre presents Luigi Pirandello's "You Are Right (If You Think You Are)." John Reich, visiting director. Willard Straight Theatre.
- 9 p.m. Noyes Center Free Flicks: "The Scarlet Claw." Noyes Third Floor Lounge. Sponsored by Noyes Board.

### Friday, November 14

- 12:15 p.m. Women's Studies Seminar: "Images of Motherhood: an Intellectual and Pictorial Framework." Miriam Brody Kramnick, assistant professor, Applied Writing Program, Ithaca College. 300 ILR Conference Center. Child care provided by I.F.C. Coffee is available; bring a bag lunch if you wish.
- 1:15 p.m. SALAAT-AL-JUMA (Friday prayer for Muslims). Edwards Room, Anabel Taylor.
- 2:30 p.m. Office of Computer Services Seminar: "Computer Graphics." Uris G-14.
- 3:30 p.m. Agricultural Waste Management Seminar: "Mechanisms Operating in Dairy Manure Stored in the Solid State." James B. Peterson, graduate student, Dept. of Agricultural Engineering.
- 4 p.m. Happy Hour with Guitar/vocalist Steve Snider. Noyes Center Pub. Sponsored by Noyes Board.
- 4:30 p.m. Biochemistry seminar: "Biochemical studies on the development of primary sympathetic neurons in cell culture." Paul Patterson, Harvard Medical School. Stocking 204. Coffee at 4:15 p.m.
- 4:30 p.m. Materials Science and Engineering Colloquium: "Advances in the Understanding of the Mechanical Behavior of Crystalline Materials Using the High Voltage Electron Microscope." T. Imura, professor, Nagoya University, Japan.

- Bard 140. Coffee in Bard Hall Lounge at 4 p.m.
- 6 p.m. Shabbat Service (Conservative). Founders Room, Anabel Taylor.
- Sundown Shabbat Service (Orthodox). Young Israel House.
- 7 & 9:30 p.m. \*Cornell Cinema Film: "Lacombe, Lucien," directed by Louis Malle; starring Aurore Clement, Pierre Blaise, Holger Lowenadler. Statler Auditorium.
- 7:30 p.m. Lecture: "JEDP: is the higher criticism of the old Testament scholarly?" Robert C. Newman. Ives 120. Sponsored by the Cornell Bible Research Group.
- 8 p.m. Israeli Dance Workshop with Moshiko (choreographer). Straight Memorial Room. Sponsored by Hillel Foundation.
- 8 p.m. Pentangle II: "The Transcendental Stylists," "Ordet" directed by Dreyer, 1955, Denmark. Uris Auditorium. 8 p.m. Aristophanes' "Lysistrata." Temple of Zeus, Goldwin Smith. Sponsored by the Classics Dept.
- 8 p.m. Shabbat Service. Donlon Formal Lounge.
- 8:15 p.m. \*Goldovsky Opera Theatre. Mozart's "Don Giovanni." Bailey Hall. Sponsored by the Music Dept. and the Faculty Committee on Music.
- 8:15 p.m. \*University Theatre Production of Pirandello's "You Are Right (If You Think You Are)." Willard Straight Theatre. See Nov. 13.
- 8:30 p.m. Greek Coffee Night at The Commons, Anabel Taylor. Sponsored by the Hellenic Student Association and The Commons.

### Saturday, November 15

- 9 a.m.-7 p.m. Western Regional Tiddlywinks Tourney. First Floor Lounge and Multi-purpose Room, North Campus Union. Sponsored by the Cornell Tiddlywinks Team.
- 9:30 a.m. Shabbat Service (Orthodox). The Edwards Room, Anabel Taylor.
- 9:30 a.m. Shabbat Service (Conservative). The Forum, Anabel Taylor.
- 5:15 & 11 p.m. Catholic Masses (5:15 Auditorium), (11 Chapel) Anabel Taylor.
- 7 & 9:30 p.m. \*Cornell Cinema Film: "Lacombe, Lucien," directed by Louis Malle; Starring Aurore Clement, Pierre Blaise, Holger Lowenadler. Statler Auditorium.
- 7, 9:15 & 11:30 p.m. \*Cornell Cinema Film: "Enter The Dragon," directed by Robert Clouse; starring Bruce Lee, John Saxon, Jim Kelly, Uris Auditorium. Attendance limited to Cornell Community.
- 8:15 p.m. \*Cornell Polo—Lancaster, Pennsylvania. Oxley Polo Arena.
- 8:15 p.m. \*University Theatre Production of Pirandello's "You Are Right (If You Think You Are)." Willard Straight Theatre. See Nov. 13.
- 8:15 p.m. Music Dept. Student Recital. Naomi Tsuzuki and Claudia Hutchinson, music for two pianos. Barnes Hall. Works of Beethoven, Bartok, Poulenc, Ravel, Schumann.
- 9 p.m. \*Alpha Phi Alpha Fraternity Annual Ball. Statler Ballroom.

# Volunteers Needed

Give Us A Chance Inc., a non-profit corporation whose members are primarily young people from the greater Ithaca area, has started and is now operating a recreational center for youth in Collegetown called "Our Place." This much-needed facility provides a place off the street where teen-agers may play pool and pinball or just sit and talk. The corporation is also developing local employment opportunities through the founding of Willing Workers, a youthful work force available for short-term jobs of a service nature. Willing Workers, now becoming a small business operation, needs the assistance of a volunteer with experience in financial management. In addition, volunteers are needed to help with a fund-raising effort, selling raffle tickets for a trip for two to Aruba.

Below are other current requests for volunteer help. To respond to them or to get information about other needs in the community, come to the CIVITAS office, Room 320, Anabel Taylor, or call 256-7513, Tuesday through Friday from 10 a.m. to 2 p.m., or call the Voluntary Action Center, 272-9411, Monday through Friday, 9 a.m. to 4:30 p.m., and Saturday, 9 a.m. to 1 p.m.

HELP FOR VIETNAMESE: A 23-year-old Vietnamese woman, currently enrolled at TC3, needs someone to help her with accounting and English. Preferably on weekends. Location: downtown Ithaca.

TUTOR IN BASIC READING: Boynton Junior High School needs a tutor in basic reading for the 9th grade. Monday and Thursday, 8:45-9:25, and any day 11:40-12:20.

DO YOU SPEAK RUSSIAN? The Senior Citizens' Organization is seeking a friendly visitor who can help a Russian-speaking elderly man living downtown. Times and days flexible.

PEACE CORPS AND VISTA: Students seeking information and application forms should contact representatives of the Peace Corps and Vista who will be in the lobbies of Willard Straight Hall and Mann Library from 9 to 5, Nov. 10-13. Seniors and graduate students interested in Summer '76 programs may sign up in the Career Center ahead of time in order to be interviewed between Nov. 10 and Nov. 13.

YOUNG VIETNAMESE MEN: Refugees trying to restart their lives need help with English and American friends who will help them learn how to cope with American ways. At the volunteer's convenience.

GREATER ITHACA ACTIVITIES CENTER: Specific needs include volunteers to read stories and straighten the library any day from 3-5; helpers for a woodworking group, Wednesday or Friday from 3-5; volunteers to accompany group of young skaters, Thursday from 3-5, starting in mid-November.

### Sunday, November 16

- 9 a.m.-6 p.m. Western Regional Widdlywinks Tourney. Multi-purpose Room and First Floor Lounge, North Campus Union. See Nov. 15.
- 9:30 a.m. Episcopal Church at Cornell. Folk and traditional services. Anabel Taylor Chapel. Church school and nursery.
- 9:30 a.m., 11 a.m., 5 p.m. Masses—Cornell Catholic Community. Anabel Taylor Auditorium.
- 9:30 a.m. New Life Community Celebration. One World Room, Anabel Taylor.
- 11 a.m. Sage Chapel Convocation: Valerie Russell, special assistant to the president of the United Church to Christ, New York City.
- 2 p.m. \*Cornell Cinema Matinee. "Captain's Courageous," directed by Victor Fleming; starring Spencer Tracy and Freddie Bartholomew. Ives 120. Attendance limited to Cornell Community.
- 4 p.m. NYCLU open Executive Board meeting of Cornell Chapter. Straight Loft II.
- 7 p.m. \*Cornell Cinema Film: "The Sorrow And The Pity," directed by Marcel Ophuls. Uris Auditorium.
- 7 p.m. Cornell Table Tennis Club. Round-robin singles. Barton Hall. Newcomers welcome.
- 8 p.m. International Folkdancing. Straight North Room. No teaching, request dancing only.
- 8:15 p.m. \*University Theatre Production. Pirandello's "You Are Right (If You Think You Are)." Willard Straight Theatre. See 11/13.

### Exhibits

- Goldwin Smith History of Art Gallery: Airline Graphics exhibit. Examples of airlines' designs and proposed designs.
- Herbert F. Johnson Museum: Indian Miniature Painting, open through Nov. 16.
- Sibley Dome Gallery: Undergraduate Sculpture, open to Nov. 15.
- Uris Library: "A Closer Look at Stage Costumes Designed by Doug Marmee."

### Announcements

- ROTC Brigade representing Cornell University will be participating in the Veterans' Day Parade on Sunday, Nov. 9 in downtown Ithaca.
- Women's Intercollegiate District Volleyball Tournament. Nov. 8.
- Churchill Scholarships deadline for applications is Nov. 15. For information please contact Professor N.W. Ashcroft, 507 Clark Hall, 256-3520.
- Dec. 31, target date for the COSEP Advisory Committee recommendations to be sent to the provost.
- Marines, former Marines, all those who have been associated with the Corps, and their ladies are invited to celebrate the 200th birthday of the United States Marine Corps in Barton Hall, Monday, November 10, from 5:30 to 7:30 p.m. Any questions, call the Marines' Instructors at 256-4202.

# Calendar

November 6—16

\*Admission charged.

Attendance at all events is limited to the approved seating capacity of the hall in which they are presented.

\* \* \*

All items for the Cornell Chronicle Calendar must be submitted to the Office of Central Reservations, 32 Willard Straight Hall (either through the mail or by leaving them at the Straight desk), or call Carol Adams, 6-3513 at least 10 days prior to publication of the Chronicle. The Calendar is prepared for the Chronicle by the Office of Central Reservations.

## Thursday, November 6

12 noon Rural Sociology Film Series: "Down On The Farm," (50 min.). Warren 32.

12:20 p.m. Mary Donlon Workers' Compensation Lecture: "The Economics of Job Injuries: The Survival of Workers' Compensation in an Alien World." Monroe Berkowitz, professor of Economics, Rutgers University. Ives 110.

2-5 p.m. ATID Bookmobile on Campus at the Straight.

4 p.m. Open Prose and Poetry Reading. Temple of Zeus, Goldwin Smith.

4:30 p.m. Microbiology Seminar: "Current Status of Single Cell Food Production." Frank Kosikowski, Dept. of Food Science, Cornell. Stocking 204. Coffee at 4:15.

4:30 p.m. Materials, Science and Engineering colloquium: "The Glassy State and Differential Scanning Calorimetry." Elaine Petrie, Kodak Research Laboratory, Rochester, N.Y. Bard 140. Coffee at 4:15 in Bard Hall Lounge.

6 p.m. The Christian Science Organization invites students, faculty and staff to a Readings and Testimony meeting. Founders Room, Anabel Taylor.

6:30 p.m. Kundalini Yoga: The Yoga of Awareness. Noyes Center 308.

8 p.m. Panel discussion: "Socialism and Feminism." Professor Alice Cook, moderator. Ives 117.

8 p.m. General meeting (weekly) of the Gay People's Center. 306 East State St. Everyone is welcome.

8:15 p.m. "Dramatic and Musical Sketches" by Obaldia, Tardieu, Satie and "La Voix Humaine," opera by Poulenc with play by Jean Cocteau. Drummond Studio. Produced by the University Theatre.

8:30 p.m. The Moti Giladi Concert. Martha Van Rensselaer Auditorium. Sponsored by Hillel.

## Friday, November 7

11:30 a.m. Microbiology Seminar: "Interactions Between Complement and Hemostasis." W. Jean Dodds, Div. of Labs. and Research N.Y.S. Dept. of Health, Albany, N.Y. Vet Research Tower G-3.

12:15 p.m. Women's Studies Seminar: "Running for Congressional Office — The Relevance of Gender." Patsy T. Mink, member of Congress. 300 ILR Conference Center. Child care provided. Coffee is available; bring a bag lunch if you wish.

12:20 p.m. DEA Seminar: "Flexible Foams" Herman Stone, Foam & Plastics Div., Tenneco Chemicals. Martha Van Rensselaer 317.

1 p.m. Discussion of dance aesthetics with members of Kei Takei's Moving Earth dance company, Helen Newman Lounge. Bring your lunch.

1:15 p.m. SALAAT-AL-JUMA (Friday prayer for Muslims). Edwards Room, Anabel Taylor.

2 p.m. Lecture: Focus on National Environmental Issues. Morris K. Udall, congressman and chairman of the Subcommittee on Environment of the Committee on Interior and Insular Affairs. Straight Memorial Room. Sponsored by Dept. of Natural Resources and Finger Lakes Chapter of Sierra Club.

2:30 p.m. Office of Computer Science Seminar: "Plato." Uris G-14.

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

7:30 p.m. American and World Community Series: "The Flow of Global Communication and Man's Survival." Njku E. Awa, assistant professor, Communications Arts. Anabel Taylor Auditorium.

7:30 p.m. Cornell Bridge Club weekly game. Straight North Room.

7:30 p.m. Film: "The Animals Are Crying." Morrison 348. Discussion and refreshments will follow the film. Co-sponsored by the Cornell Pre-Vet Society and the Tompkins County SPCA.

8 p.m. Cornell Women's Ice Hockey — Tompkins County All-Stars. Lvnah Rink.

8 p.m. The Ithaca Democratic Socialist Organizing Committee is sponsoring a panel on "Feminism and Socialism" with Professor Alice Cooke. Ives 117. All are welcome.

8 p.m. Cuslar Latin American Free Film Series. Straight Memorial Room. "Courage of the People."

8 p.m. Cornell Conference on Malnutrition and Behavior: "Nutrition, Environment and Child Development." Joaquin Cravioto, chairman, Scientific Research Division, Hospital del Nino, Mexico City, and Andrew D. White Professor-at-Large. James Law Auditorium, Vet College.

8 p.m. "Thursdays" at the Straight, for the enjoyment of all — people, music, food and drink. Steve Sugarman will

perform. Memorial Room.

3 p.m. Afro-Jazz class with members of Kei Takei's Moving Earth dance company. For all levels. Dance Studio, Helen Newman.

3:30 p.m. Agricultural Waste Management Seminar: "Effect of Different Sources of Poultry Manure on Yield and Quality of Four Grass Species." C. John Peter, graduate student, Dept. of Agronomy. Riley-Robb 105. Refreshments at 3:15 p.m.

4 p.m. Noyes Center Happy Hour. Tim McCorry, pianist. Noyes Pub.

4:15 p.m. Medieval Studies Lecture: "Dante in Search of Rome." Gian Roberto Sarolli, professor of Italian and Comparative Literature, Graduate School of City University of New York. Goldwin Smith 124.

4:30 p.m. Biochemistry Seminar: "The Transduction of chemical into electrical energy." David Nachmansohn, Columbia University, Stocking 204. Coffee at 4:15 p.m.

4:30 p.m. Advance class taught by Kei Takei, Dance Studio, Helen Newman.

6 p.m. Shabbat Service (Conservative). Founders Room, Anabel Taylor.

Sundown: Shabbat Service (Orthodox). Young Israel House.

7 & 9:30 p.m. \*Cornell Cinema Film: "Longest Yard," directed by Robert Aldrich; starring Burt Reynolds, Eddie Albert. Ives 120. Attendance limited to Cornell Community.

8 p.m. Shabbat Service. Adam De Vir. Discussion on the "Problems of The Second Israel." Donlon Formal Lounge.

8 p.m. Pentangle II Film Series: "The Fiances," directed by Ermanno Olmi, 1962, Italy. Uris Auditorium.

8:15 p.m. \*Cornell Polo — University of Conn. Women. Oxley Polo Arena.

8:15 p.m. Lecture: "Village Studies: Participant Observation and Social Science Research in India." M.N. Srinivas, senior fellow in Sociology, Institute for Social and Economic Change, Bangalore, India and Andrew D. White Professor-at-Large. McGraw 165.

8:15 p.m. "The Mikado" by Gilbert and Sullivan. Statler Auditorium. Sponsored by the Cornell Savoyard's.

8:15 p.m. \*Drummond Studio Production: "Dramatic & Musical Sketches" by Obaldia, Tardieu, Satie and "La Voix Humaine" opera by Poulenc with play by Jean Cocteau. Produced by the University Theatre.

8:30 p.m. \*Cornell Folk Song Club presents Helen Schneyer in concert. Temple of Zeus, Goldwin Smith.

8:30 p.m. Greek Coffee Night at The Commons, Anabel Taylor. Sponsored by the Hellenic Student Association and The Commons.

9 p.m. Dance. First Floor Lounge, North Campus Union.

## Saturday, November 8

9:30 a.m. Shabbat Service (Orthodox). Edwards Room, Anabel Taylor.

9:30 a.m. Shabbat Service (Conservative). The Forum, Anabel Taylor.

10 a.m. \*Varsity Soccer — Brown. Schoellkopf Field.

11:30 a.m. The Cornell Black Undergraduate Law Society of the Cornell Black Law Caucus will hold its "Black Law Conference on Law Schools and the Legal Profession." Bache Auditorium.

1-4 p.m. Free V.D. clinic. Gay People's Center, 306 East State St. The public is welcome.

1 p.m. Women's Intercollegiate Cross-country. Cornell Invitational. Moakley House, University Golf Course.

1:30 p.m. \*Varsity Football — Brown. Schoellkopf Field.

2 p.m. \*Matinee — "The Mikado." Statler Auditorium. See Nov. 7.

5 p.m. \*Cornell Black Agriculturist 2nd Annual Dinner. One World Room, Anabel Taylor.

7 & 9:30 p.m. \*Cornell Cinema Film: "Longest Yard," directed by Robert Aldrich; starring Burt Reynolds, Eddie Albert. Ives 120. Attendance limited to Cornell Community.

7 & 9:30 p.m. \*Cornell Cinema Film: "Minnie & Moskowitz," directed by John Cassavetes; starring Gena Rowlands, Seymour Cassel. Uris Auditorium. Attendance limited to Cornell Community.

7 p.m. Film: "Aviskar." Goldwin Smith D. Sponsored by the Cornell India Association.

8 p.m. Lecture: "Scientific Research in China: working with Chinese researchers." Ives 215. Sponsored by New China Study Group and Chinese Student Association. Refreshments.

8 p.m. \*Dance Performance by Kei Takei's Moving Earth Company. Helen Newman. Sponsored by the Cornell Dance Series.

8:15 p.m. \*Cornell Polo — University of Conn. Men. Oxley Polo Arena.

8:15 p.m. \*The Mikado." Statler Auditorium. See Nov. 7.

8:15 p.m. \*Drummond Studio Production. See Nov. 6.

## Sunday, November 9

9:30 a.m. New Life Community Celebration. One World Room, Anabel Taylor.

9:30 a.m. Episcopal Church at Cornell welcomes all. Folk and traditional services. Anabel Taylor. Church school and nursery.

11 a.m. Sage Chapel Convocation: William Sloane Coffin Jr., chaplain, Yale University, New Haven.

2 p.m. \*Cornell Cinema Film: "National Velvet," directed by Clarence Brown; Starring Elizabeth Taylor, Mickey Rooney. Uris Auditorium. Attendance limited to Cornell Community.

4 p.m. NYCLU open Executive Board meeting of Cornell Chapter. Straight Loft II.

7 p.m. Cornell Table Tennis Club. Round Robin Singles at Barton Hall. Newcomers welcome.

7:15 p.m. "The Mikado." Statler Auditorium. See Nov. 7.

8 p.m. \*Cornell Cinema Film: "Battle of Algiers," directed by Gillo Pontecorvo; starring Jean Martin, Yacef Saadi. Uris Auditorium. Attendance limited to Cornell Community. Co-sponsored by History & Government Depts.

8 p.m. International Folkdancing. No teaching, request dancing only. Straight North Room.

## Monday, November 10

4 p.m. General Information Meeting Regarding Graduate Study in Management. Sponsored by the Graduate School of Business and Public Administration. Meeting will be held every Monday. Malott 224.

4:30 p.m. Dept. of Romance Studies Lecture: Jose J. Arron, professor, Yale University, will speak on Cuban Literature today.

4:30 p.m. Music Dept. Lecture-Recital by the Cornell Collegium Musicum. Petrucci's Odhecaton: Crossroads of the Early Renaissance. Barnes Hall.

4:30 p.m. Sefer Tehillim (Book of Psalms). Young Israel House.

6:30 p.m. Kundalini Yoga: The Yoga of Awareness. Noyes Center 308.

7 p.m. Women's Intercollegiate Volleyball — Colgate.

7:30 p.m. Seminar in Jewish Law (Maimonides' Laws of Teshuvah). The Forum, Anabel Taylor.

7:45 p.m. "Ornithology Seminar." Stuart Observatory, Sapsucker Woods Road.

8 p.m. Country Dancing & Music. Straight Memorial Room. Sponsored by the Cornell Country Dance Club.

9 p.m. \*Cornell Cinema Film: "Fury," directed by Fritz Lang; starring Sylvia Sydney, Spencer Tracy. Uris Auditorium. Attendance limited to Film Club members.

## Tuesday, November 11

11:15 a.m. Debye Lecture Series: "Dipole Moments and Charge Separation in Complex Compounds." Joseph Chatt, University of Sussex, England. Baker 200.

4:30 p.m. Field of Physiology Seminar: "The Vitamin D-induced Ca-binding Protein: a) Ultrastructural localization in intestine b) Vitamin D metabolism studies in brain." A.N. Taylor, senior resident associate. Vet Research Tower G-3. Coffee at 4:15.

4:30 p.m. Textile Seminar: "Films and Fibers from Reconstituted Collagen." F. Rodriguez, Dept. Chemical Engineering. Martha Van Rensselaer 317.

6, 8, 10 p.m. \*Multi-Media Show - The Beatles: "Away With Words." Bailey Hall. Sponsored by University Unions Program Board.

7:30 p.m. American & World Community Series: Discussion of selected course readings. One World Room, Anabel Taylor.

7:30 p.m. Folkdancing. Couples dances will be taught. Risley Theatre. Need not come with a partner; beginners welcome.

7:30 p.m. Cornell Outing Club weekly meeting. Japes.

7:30 p.m. University Senate Meeting. Bache Auditorium, Malott Hall.

8 p.m. Pirke Avot. Anabel Taylor G-34.

8 p.m. \*Cornell Cinema Film: "Miracle in Milan," directed by Vittorio De Sica; Starring Paolo Stoppo, Emma Gramatica, Francesco Golisano. Uris Auditorium.

9 p.m. Thirsty Bear Tavern Old TV Series. North Campus Union.

## Wednesday, November 12

4:30 p.m. Faculty Council of Representatives Meeting. Ives 110.

4:30 p.m. Food Science Seminar: "Does feedback inhibition of cholesterol biosynthesis decrease the atherogenic potential of Dietary cholesterol?" D. Zilversmit. Stocking 204. Coffee at 4:15.

4:40 p.m. Debye Lecture Series: "The General Problem of Nitrogen Fixation." Joseph Chatt, University of Sussex, England. Baker 200.

7 p.m. North Campus Union Board meeting. Conference Room I.

7:30 p.m. International Folkdancing. Straight Memorial Room. Dances will be taught from 7:30-9, and requests will be played from 9-11. Beginners welcome.

7:30 p.m. Cornell Chess Club weekly meeting. Straight Art Lounge.

7:30 p.m. Graduate Women in Science. Open meeting. Kathleen Gaffney, County Health Commissioner, will speak on "Women in Science: Their Role in Public Policy." Faculty Lounge, Martha Van Rensselaer. New members welcome.

7:30 p.m. Fundamentals of Jewish Thought. The Forum, Anabel Taylor.

7:30-10 p.m. Hebrew Instruction, Beginners, Intermediate and advanced. Anabel Taylor 314.

8 p.m. \*Cornell Cinema Film: "Flying Down To Rio," directed by Thorton Freeland; Starring Fred Astaire, Ginger Rogers. Uris Auditorium. Attendance limited to Cornell Community. Co-sponsored by Women's Studies.

8 p.m. Cornell Catholic Community Lecture: "Recycling Catholics." Father Kevin Murphy. Founders Room, Anabel Taylor.

8 p.m. Free Football Films; narrated by Coach George Seifert. Moakley House.

9 p.m. Hillel Study — Coffee Break. Anabel Taylor G-34.

## Thursday, November 13

11:15 a.m. Seminar: "Biological Activity of NDV Isolates: Speculation on their Role in the Epizootiology of Velogenic Viscerotropic Newcastle Disease." Gertrude M. Schloer, Plum Island Animal Dis. Center, P.O. Box 848, Greenport, L.I., N.Y. 11944.

11:15 a.m. Debye Lecture Series. "The Chemistry of Molecular Nitrogen as a Ligand." Joseph Chatt, University of Sussex, England. Baker 200.

All day and evening - International Arts & Craft Fair organized by Committee of Concerned Asian Students (CCAS). Straight International Lounge.

12 noon Rural Sociology Film Series: "Leaving Home Blues" (51 min.). Warren 32.

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