



CORNELL CHRONICLE

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Malott Addition Dedicated

The four-story \$1.1 million addition to Malott Hall, home of the Graduate School of Business and Public Administration (B&PA) has been completed on time and was in full use when classes for the spring term started this week. Built with funds from an anonymous benefactor, the building contains two large lecture rooms, additional library space for stacks and reading, and office space for faculty and staff. Inset at right is Deane W. Malott, president emeritus, in whose honor the building was named. He toured the new facility during dedication ceremonies Jan. 7.



'Bulimarexia': Fasting-Bingeing

They See Selves as 'Fat'

As the Grimm version has it, Cinderella's stepsisters were willing to cut off their heels so that they could get their feet into a tiny gold slipper which was never meant for them, and thereby qualify to marry a handsome prince.

For the past three years, Marlene Boskind-Lodahl, a therapist in the Mental Health section of Gannett Clinic at Cornell University and a Ph.D. candidate in psychology, has been working with a group of women who believe that if only they could make their bodies small enough, they too would find the

men of their dreams.

These are the "bulimarexics," women whose distorted self-images cause them to perceive themselves as fat no matter how much they weigh; women who impose severe limitations on their intakes of food, which eventually are followed by what Lodahl describes as "episodes of eating as extreme as their fasting."

"Bulimarexia" is a composite term coined by Lodahl and her Gannett colleague Joyce Sirlin. It comes from the Greek words "anorexia," meaning "loss of appetite," and "bulimia," meaning "excessive appetite."

The condition anorexia nervosa, whose victims have been known to starve themselves to death under the delusion that they are overweight, has received considerable attention in the popular press. Although the true anorexic is rare, Lodahl and Sirlin believe that the same factors cause anorexia and bulimarexia — that the one condition is, for the most part, an exaggerated form of the other. Their findings will be published in the March issue of the magazine *Psychology Today*.

Lodahl first became interested in bulimarexic women in 1973, when she began a two-year internship at the Mental Health Clinic as part of her graduate training. In the random division of patients, Lodahl received three who exhibited symptoms of bulimarexia.

While working with these women in individual therapy sessions, Lodahl began to wonder just how

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Self-Governance Summary to Be Published

A special summary of the recommendations of the President's Commission on Self-Governance, prepared by Commission Chairman Geoffrey Chester, will appear in next week's *Chronicle*, the issue of Feb. 3. A community referendum on the recommendations will be conducted beginning Feb. 21.

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Senate Requests Four-Part Vote

The University Senate passed a resolution Tuesday night calling for a four-part referendum question that it feels would give the Cornell community a democratic choice in the future of self-governance on campus.

Several senators criticized the "yes"/"no" format and proposal for the February referendum by the President's Commission on Self-governance as "Clearly outrageous" and a "Catch 22 proposal."

They said the commission's proposal offers only a one-sided choice. A "yes" would mean support for its proposed assembly. A "no" vote would be meaningless, they said, because it would give the

President and Board of Trustees power to create a form of campus governance expected to be outlined in materials sent out with the ballot.

Passed without dissent, the Senate resolution proposed by Neil Getnick, '78, a student trustee, offers the following choices: 1. An assembly proposed by the President's Commission; 2. A reformed Senate of largely autonomous committees; 3. An alternative developed by the administration, and 4. No self-governance at all.

Getnick's resolution was passed as a substitute for a bill calling for establishment on a Second Constituent Assembly in the pattern of *Continued on Page 14*

Farrell Is Named As Writing Dean

Cornell's College of Arts and education."

Sciences has established what is believed to be the first deanship in the country concerned solely with the teaching and problems of student writing.

Robert T. Farrell, associate professor of English, Medieval studies and archaeology, has been named the college's first associate dean for writing.

Harry Levin, dean of the College of Arts and Sciences, said that the new position represents the college's "full-time commitment to writing." Farrell will be concerned not only with writing courses for freshmen, but with a student's training in writing throughout his or her undergraduate and even graduate years.

"Writing is the most important thing we can teach," Levin said. "The ability to write well is the most important outcome of a liberal

Farrell, who holds degrees from Fordham and Oxford Universities, is a specialist in the culture, literature and language of early England and Scandinavia, an interest which he combines with marine archaeology. He is currently involved in the recovery of two British ships of war dating from the 15th and 17th centuries which were sunk in the vicinity of Plymouth, England.

"I am a scholar, and I am turning from that for a time only because this problem of writing is so pressing," he said.

The founder of the college's writing workshop, Farrell outlined some of the new courses and programs which will be offered beginning with the fall 1977 term.

"One of the most popular courses for freshmen has been the seminar on 'Writing from Experience,'" he *Continued on Page 15*

Community Symposium Feb. 12

A day-long community symposium exploring "The Character of the American Nation" is scheduled at Cornell University Saturday, Feb. 12.

Many of the University's important faculty members will be joined that day by leaders in their fields from outside the campus to examine where our nation is today, why it is where it is, and where it might be headed.

All events of the day are open to everyone in the area, as well as to students and staff at the University, by ticket. There will be no charge for the morning plenary session or for afternoon panel discussions.

A \$4 charge will be made for a special luncheon to be served at noon in Barton Hall. Dining Services at the University has arranged for foods from the 1700s, the 1800s and the 1900s to be served by persons dressed in the costumes appropriate to

each century. A limited number of students on Dining plans "7-1" and "7-2" may attend lunch without charge.

Tickets for all the day's events are available at Mayer's Smoke Shop, Rothschild's, the Women's Community Building and at Willard Straight Hall on campus.

The day's events will open with a plenary session in Bailey Hall. President Dale R. Corson will preside and Theodore J. Lowi, the John L. Senior Professor of American Institutions will deliver the main address, "The Second Republic." This will be followed by comments by Walter LaFeber, the Marie Underhill Noll Professor of American History; Roger Cramton, dean of the Cornell Law School; Robert McKersie, dean of the State School

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Affirmative Action

Who Should Support It?

Affirmative action should be viewed as a constructive way to strengthen all University departments, and efforts to search out women and minority candidates for job openings must begin early in the employment process, according to Ron Loomis, director of University Unions, a unit where efforts to recruit female and minority professionals have been particularly successful.

Loomis described the Unions program and outlined ways of making employee searches more effective, when he spoke in a panel discussion on affirmative action sponsored by the Affirmative Action Advisory Board on Jan. 18.

Loomis suggested that supervisors make their commitment to affirmative action known within the field, that they contact women and minority professionals personally when an opening comes up, that they seek out women and minority persons at professional meetings, that positions be advertised in minority publications and that minority group members and women be included on the search committee. He added that the Affirmative Action Office and Affirmative Action Advisory Board could assist in planning an effective search process.

"We have never hired a woman or a minority person who was not the best qualified person for the job," he said.

Provost David C. Knapp, who spoke prior to the panel presentation, reaffirmed the University's commitment to affirmative action and stressed that the goal of affirmative action programs is to ensure

that the best qualified person fills the job after the entire pool of qualified candidates is surveyed.

Jennifer Gerner, assistant professor of consumer economics and public policy, agreed that affirmative action could make for better personnel decisions and increase the productivity of the organization. She stressed that commitment to affirmative action had to come from the University's top management.

Harry Levin, dean of the College of Arts and Sciences, disagreed, saying that the commitment had to come from the grass-roots level of

the faculty where the decisions are actually made.

His approach, he said, has been to discuss affirmative action with department chairmen and faculty, to keep in touch with searches, and to encourage departments to invite women and minority candidates to campus for interviews.

He added that using this approach faculty hired by the College of Arts and Sciences last year were 50 per cent white males, 40 per cent females and 10 per cent minority persons.

Retrieval System Aids Cornell Job Seekers

An "applicant retrieval system," that will help qualified persons to find jobs at Cornell, increase the pool of applicants that employers can draw from and make it easier for persons to change jobs within the University, will be operational at Cornell within two to three months, according to Claire Nagel, manager of staffing services at the University.

The system is a simple one, Nagel said. Retrieval forms will be completed by applicants and interested employees and filed according to already established job categories. When there is an opening in the libraries, for example, the files in the category "libraries and museums" will be searched for candidates whose qualifications match the basic job requirements.

Full applications and/or resumes for qualified candidates will then be

reviewed, and interviews will be arranged either with Personnel Services or directly with the department interested in filling the position, Nagel said.

"The new system will eliminate the need for applicants to come to Personnel each week to check for new job listings. They can be confident that once they have completed an applicant retrieval form their application will be reviewed as new jobs in their field are posted," Nagel said.

"Another benefit of the system is that we can systematically review current employees who are interested in making a job change," she added.

Retrieval forms for employees are available at the main desk of Willard Straight Hall, at the CIRCE desk in the main lobby of Day Hall, at the information desk in Olin Library and at a table near the reserve desk in Mann Library as well as at Personnel Services, B-12 Ives. Completed forms should be sent via campus mail to Manager, Staffing Services, B-12 Ives.

Adams Joins Search Group

The search committee seeking a new president of Cornell University has been expanded with the addition of the chairman of the State Relationships Committee of the University's Board of Trustees.

Morton Adams of Sodas was named by Trustee Chairman Robert W. Purcell to join the committee, which is under the chairmanship of Trustee Austin H. Kiplinger of Washington, D.C.

The committee, now composed of 10 trustees, seeks a successor to President Dale R. Corson, who has requested that his successor be sought no later than June 30, 1977. Trustees hope to make a selection by March.

In adding Adams to the committee, Purcell said, "This is to give even greater assurance that the importance of Cornell's relationships with the State of New York are kept in the forefront during the committee's deliberations."

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.

POSITION	(DEPARTMENT)
CLERICAL POSITIONS	
Sr. Administrative Secretary, A-17 (Coll of Arch/Art/Plann (sh))	
Sr. Editorial Assistant, A-17 (CRSR)	
Administrative Clerk, A-16 (Coll of Arch/Art/Plann)	
Administrative Secretary, A-15 (NAIC)	
Administrative Secretary, A-15 (Applied & Engineering Physics)	
Administrative Secretary, A-15 (Coll of Arch/Art/Plann (sh))	
Administrative Secretary, A-15 (Personnel Services (sh))	
Searcher II, A-15 (Slavic) (Univ. Libraries (Acquisitions/Olin))	
Department Secretary, A-13 (CRSR)	
Department Secretary, A-13 (Graduate School)	
Sr. Account Clerk, A-13 (University Press)	
* Administrative Aide I, NP-11 (Center for the Study of the American Political Economy (sh))	
Secretary, NP-11 (Coop. Exten. (N.Y.C. Programs))	
* Steno III, NP-9 (Coop. Exten. (N.Y.C. Programs))	
Admin. Secretary, NP-8 (Neurobiology & Behavior)	
* Admin. Secretary, NP-8 (Food Science)	
Steno II, NP-6 (Diagnostic Laboratory (sh))	
Steno I, NP-5 (Agricultural Economics)	
CRT Operator I, NP-4 (Animal Science)	
* Key punch Operator, A-13 (Bursar's Office)	
Department Secretary, A-13 (Office of Dean of Students)	
Department Secretary, A-13 (Cornell Campus Store)	
* Key punch Operator, A-13 (Computer Services)	
Library Assistant II, A-12 (Univ. Libraries (Africana Studies & Res.))	
Sr. Clerk, A-12 (Univ. Unions (9 mo. position))	
ADMINISTRATIVE POSITIONS	
Business Manager, CPO6 (V.P. for Campus Affairs)	
Producer/Director, CPO5 - Comm. Spec. (Media Services/ETV Center)	
* Systems Analyst III, CPO5 (Machine Shop) (Lab. of Nuclear Studies))	
Assist. Football Coach (2) (Athletics & Phys. Ed.)	
Assist. Coach of Track & Field & Cross Country, Instruc. of P.E. (Athletics & Phys. Ed.)	
Purchasing Agent II, CPO4 (Lab. of Nuclear Studies)	
Sr. Computer Staff Spec. CPO6 (Computer Services)	
Computer Staff Specialist I, CPO5 (Computer Services)	
Applications Programmer I, CPO3 (Computer Services)	
Applications Programmer I, CPO3 (Chemistry)	
Research Support Aide, CPO2 (Community Service Education)	
* Research Support Aide, CPO2 (Agr. Engr. (through 9/30/78))	
TECHNICAL POSITIONS	
Maintenance Supervisor, A-22 (Physical Plant Operations)	
Compositor - Job Expediter, A-20 (Graphic Arts Services)	
Senior Lab. Tech, A-18 (Biochemistry, Molecular & Cell Bio.)	
Senior Research Aide, A-18 (Biological Sciences (GD&P))	
Univ. Service Officer, A-17 (Public Safety)	
Drafter, A-16 (Lab. of Nuclear Studies)	
Cook, A-17 (Housing)	
Computer Operator I, A-17 (2) (Office of Computer Services)	
* Food Service Worker, A-11 (Dining Services)	
* Tech. Aide I, NP-9 (Diagnostic Lab.)	
* Tech. Aide I, NP-9 (Animal Science)	
* Head Groom, NP-9 (LAMOS - Large Animal Clinic)	
Tech. Aide II, NP-11 (Agr. Engr.)	
* Lab. Tech. I, NP-8 (Vet. Micro. (James A. Baker Institute for Animal Health))	
* Lab. Tech. I, NP-8 (LAMOS - Mastitis Control)	
* Lab. Tech. I, NP-8 (Vet Microbiology)	
* Animal Tech., NP-8 (Lab. of Animal Science)	
* Lab. Assistant III, NP-5 (Diagnostic Lab)	
Field Assistant I, NP-4 (Entomology (Geneva))	
* Lab. Assistant II, NP-4 (Plant Pathology)	
Program Aide I, NP-5 (Coop. Exten. Admin (N.Y.C. Programs))	
Radio Salesperson (WHCU)	
Pharmacist, CPO3 (Pharmacy - Vet. College)	
* Extension Support Aide, CPO2 (Coop. Exten. Admin. (Middletown N.Y.))	
Extension Support Aide, CPO2 (Coop. Extension Administration Sea Grant Adv. Service (1 yr. app't))	
Coop. Exten. Agent (Agriculture) (Coop. Exten. Admin. (Watertown, N.Y.))	
Coop. Exten. Agent (Home Economics) (Coop. Exten. Admin. (Rochester))	
ACADEMIC AND FACULTY POSITIONS (Contact Department Chairperson)	
Senior Ext. Assoc. II, CPO8 (College of Ag. & Life Sciences)	
Extension Assoc. II, CPO4 (Urban Gardening Spec.) (Coop. Exten. Admin. (N.Y.C.) (5 Boroughs))	
Extension Assoc. III, CPO5 (Horticult. Educ. Spec.) (Coop. Exten. Admin. (N.Y.C. Programs))	
Extension Assoc. (Sea Grant/4-H Youth Dev.) (Coop. Exten. Admin. (N.Y.C. Programs))	
Extension Assoc. (Food Policy) (Coop. Exten. Admin.)	
Extension Assoc. (Broadcast Media) (Coop. Exten. Admin. (Albany))	
Extension Associate III, CPO5 (Coop. Exten. Admin. (N.Y.C. Programs))	

Graduate Management Aptitude Test Locations

Saturday, January 29, 1977

Room Assignments

8:30 A.M.

ABELL - JACOBSON, F. Warren 45
JACOBSON, M. - NORTHRUP Warren 231
OSBORN - VAN BOVEN Warren 131
VONGSIRIDEJ - YOUNG Warren 245
Walk-ins Warren 245

Nominations Sought For Outside Trustee

A Cornell Senate search committee is seeking nominations for Outside Trustee on the Cornell Board. Anyone may submit nominations. This seat is one of three reserved for persons who are not currently attached to the University as faculty, student or employee, thus outside the Cornell community. The term of office is three years beginning May 1, 1977. Biographical data, along with the name and address of nominees, will help the search committee. Inquiries and responses should be made via the Cornell Senate Office, 133 Day Hall, Telephone 256-3715.



Magazine Wants a Name

As part of a feature being prepared by National Geographic magazine on the Finger Lakes Region, the magazine's editors are considering publishing this photograph of a Cornell student studying. If anyone knows the name of the student, where he's studying and, if possible, what he's studying for, please contact the office of Dean of Students Elmer Meyer Jr., and he will pass the word along.

Heat Lowered to 65° In Most CU Buildings

Temperatures will be reduced to 65 degrees in as many buildings on campus as it is possible by the end of this week and early next week.

Provost David C. Knapp and Senior Vice President William G. Herbster have requested the reduction and the cooperation of the Cornell community in response to President Carter's petition last week for a cutback in energy consumption. Carter asked that thermostats be set at 65 degrees during the day and even lower at night.

A memorandum sent Tuesday to deans, directors and department heads by Knapp and Herbster states:

"This morning we instructed Vice President (Robert M.) Matyas to take the necessary steps to have Cornell University comply with the

President's request. Discussions concerning implementation are currently under way with energy coordinators for the colleges and divisions.

"The only exception will be in research facilities which will be reviewed on a case-by-case basis if it appears that an operation will be adversely affected as a result.

"It is recognized that this program will result in some inconvenience, but we look forward to receiving your support in this effort. Most important is that you and your associates personally take the responsibility for turning down manually controlled heating systems and advising Robert Clawson (256-4156) if a centrally controlled heating system is operating above 65 degrees.

Charter a Bus From Cornell

Charter bus service is available to Cornell departments through the Campus Bus Service. Bookings are handled by William Crissey, manager. Rates are \$16.50 per hour for use inside Tompkins County. Rates outside the county are \$7.50 per hour for the driver charge, plus \$.35 per mile. The minimum charge per rental period is \$33. Further information is available from Crissey at 256-3782.

Symposium Planned

Max Black Named Emeritus

Max Black, a member of the faculty since 1946, has been awarded the title of Susan Linn Sage Professor of Philosophy and Humane Letters, Emeritus, by action of the Board of Trustees.

Black's retirement prompted Harry Levin, dean of Cornell's College of Arts and Sciences, to make the following statement: "Max Black has been one of the rare members of the faculty, who, in any generation, define the intellectual level of the college and the University. He has been a world-famous philosopher, teacher and author, and he has been outspoken and articulate in describing his views about the nature of the University.

"We are fortunate," Levin continued, "that even though he has retired as a professor of philosophy, he will stay on as director of the Andrew Dickson White Professors-at-Large Program." Black has been the program's director since 1965.

The Department of Philosophy will sponsor a special symposium in Black's honor the weekend of April 15. The visiting speakers, all of whom are Black's former students, will be William Gass, professor of philosophy at Washington University, St. Louis, Mo., and author of "On Being Blue: A Philosophical Inquiry," who will discuss "The Ontology of the Sentence, or, How to Make a World of Words"; Keith S. Donnellan, a former Cornell professor who is currently a member of the faculty of the University of California, Los Angeles, who will speak on "Presuppositions," and Thomas Nagel, professor of philosophy at Princeton University and a Cornell alumnus, who will discuss "Private Conscience and Public Action."

Also participating in the sym-



Max Black

posium will be Cornell faculty members Carl Ginet and Richard Miller. Times and places for the lectures, which will be open to all interested persons, will be announced. The Max Black Symposium is being supported in part by contributions from alumni.

Born in Russia, educated in England, Black has been an American citizen since 1948. He holds two doctoral degrees from the University of London—one in mathematical logic, the other a P.Lit. degree.

Black taught at the University of London from 1936 to 1940 and at the University of Illinois from 1940 to 1946. He became the Susan Linn Sage Professor of Philosophy at Cornell in 1954, eight years after joining the faculty.

In 1965, Black became the first director of Cornell's Society for the Humanities, a position he held until 1971. Since that date he has been a

senior member of the Cornell program on Science, Technology and Society, and he became the first academic head of its Unit on Humanities, Science and Technology in 1974.

Black's first publication was a discussion of Bentham's theory of definition, which appeared in a 1931 issue of *Psyche*. His publications to date number more than 225, among which are nine books including "Critical Thinking" (1946), "Models and Metaphors" (1962), "A Companion to Wittgenstein's Tractatus" (1964) and "Caveats and Critiques" (1975). Many of Black's books have been translated into German, Italian, Spanish and Japanese. He has translated and edited six other books.

He has held visiting professorships and fellowships at the Princeton Institute for Advanced Studies, the Australian National University, Canberra, and the Hebrew University, Jerusalem. He will be the Truax Distinguished Professor of Philosophy at Hamilton College this semester, and he has been named the Turner Lecturer at Cambridge University for the fall of 1978. He will be a visiting fellow of St. John's College, Oxford University, during the spring of 1978. Black has lectured in France, Scandinavia, India and Japan.

Among the numerous distinctions Black has been awarded during his career is a life membership in the *Institute Internationale de Philosophie*, which has 70 members, only six of whom may be Americans. He has been a fellow of the American Academy of Arts and Sciences since 1963 and is former president of the Eastern Division of the American Philosophical Association.

Newman Professorship

McDaniel Named to Chair

The Floyd R. Newman Professorship of Nuclear Studies at Cornell University has been established by Helen Newman in honor of her husband, a member of the Class of 1912. Boyce D. McDaniel, professor of physics and director of the Laboratory of Nuclear Studies at Cornell, assumed the new professorship Jan. 1.

F. R. Newman served as a member of Cornell's Board of Trustees from 1951 to 1958, and has been a member of the Cornell University Council since 1951. In 1966, the University trustees elected him a Presidential Councillor, Cornell's highest honor.

Helen Newman has long shared her husband's interest in Cornell. Helen Newman Hall, which houses facilities for women's physical education and sports, was named in honor of Mrs. Newman in 1963, and her portrait hangs above the fireplace in the building's main lounge.

She has been a member of the Medina (Ohio) Hospital Board since

1958, and has been active in the hospital's volunteer programs. Her other interests include languages, travel, cooking and gardening.

Among F. R. Newman's other contributions to Cornell are four professorships honoring others and the Floyd R. Newman Laboratory of Nuclear Studies. He also led his class's efforts to establish the Class of 1912 Professorship at Cornell.

McDaniel, a specialist in high-energy particle physics and accelerator design and construction, played a major role in developing the University's Wilson Synchrotron, the largest electron accelerator in the world. He is currently working to expand the synchrotron's capabilities to keep it in the forefront of high-energy physics research.

McDaniel also was active in the construction of the Fermi National Accelerator Laboratory in Batavia, Ill., which is operated by Cornell and some 50 other research-oriented universities in the United States and Canada. He is a trustee of the Universities Research Association,

Inc., which operates the facility.

McDaniel received the Ph.D. from Cornell in 1943, and was immediately called into service as a physicist at the Radiation Laboratory at the Massachusetts Institute of Technology. After learning the new electronics techniques which were being developed in that laboratory, he was transferred to a secret government laboratory at Los Alamos, N.M., where he worked as a Manhattan Project scientist on the first atom bomb.

He returned to Cornell in 1946 as an assistant professor of physics and became a full professor in 1956. He was appointed associate director of the University's Laboratory of Nuclear Studies in 1960, and its director in 1967.



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. Letters submitted for publication in the Chronicle must be typed, double space, with 75 characters to a line, no more than 600 words in length. The Chronicle intends to adhere to this limit because of space and financial restrictions. The deadline is Monday noon at 110 Day Hall. Letters addressed to someone other than the editor, personal attacks against individuals or unsigned letters will not be printed.

Roof Repairs Rationale Related

Editor:

With regard to the letter published in the Dec. 16 Chronicle from Varley L. Wrick, research associate/lecturer in engineering, which dealt with the logic of proposed repairs to Phillips Hall roofs, several valid questions were raised which no doubt have occurred to other thoughtful persons in the Cornell Community.

The flat, built-up, coal tar pitch and felt roofs of Phillips, Upson and Grumman Halls, designed and built in the mid-50s to serve these buildings for approximately twenty years, are now ending their anticipated life span. Most have been heavily used, some have been penetrated with new building appurtenances to serve unanticipated, highly specialized experimental activities within and upon these buildings, and all have received some patching. Test plugs cut through to the structural roof deck show that in many places water has penetrated into the existing old style insulation rendering it ineffective.

Of Cornell's many roofs requiring

attention, repairs to the roofs of these three buildings have been given early priority because of condition, rate of deterioration, value of spaces and activities affected, relationship to other maintenance work here and elsewhere on campus, accessibility, and a need to get on with the work at a reasonable point in the construction market.

Cold weather construction obviously can be a problem with its potential for snow and frost, but winter is also a relatively dry period which Ithaca's warmer weather generally is not. Recognizing this dilemma, we offered bidders for this particular work the option of completing work anytime between now and mid-May under close supervision by the owners, and with their agreement of an unconditional, long term, full service guarantee of the total roofing system. All chose to do the work during the colder months, agreeing that when old materials are removed any moisture remaining in the substrate must be dried out before a new roofing system can be installed. This is most effectively and

efficiently done with propane fired open flame, requiring special safety precautions.

Discussions with chairmen of departments occupying these buildings established an acceptable time frame for doing the work and determined possible locations of future roof-top related research activities. The roofing systems selected to replace the old will provide for limited special walk-on surfaces compatible with salvaging and repairing existing metal flashing and associated permanent materials. Insulation will be replaced with new non-absorbant types affording more than twice the present insulative values. This will be covered by a protective membrane which with careful use and nominal maintenance should protect these vital academic buildings for at least another twenty years.

Work began in early January.

James W. Yarnell

Division of Facilities and Business Operations

Total Applications Decline

Some Schools Show Increases

While overall freshman and transfer student applications to Cornell are down about 8 per cent, some schools at Cornell show a marked increase in applicants, according to Donald Dickason, dean of admissions and financial aid.

The figures are estimates as of Jan. 22, 1977, compared to actual figures as of Jan. 25, 1976, said Dickason. Applications to the School of Hotel Administration and the New York State School of Industrial and Labor Relations (ILR) are up 18 and 9 per cent respectively.

Applications to the College of Arts and Sciences, the University's largest undergraduate unit, are down about 8 per cent. Applications to the New York State College of Agriculture and Life Sciences show no change. Engineering is down 5 per cent and the five-year program in the College of Architecture, Art and Planning, and the New York State College of Human Ecology are both down about 17 per cent. The usual number of applicants to these schools is small compared to other schools on campus and therefore a small change in numbers reflects a greater percentage shift, Dickason said.

He said it is not possible yet to determine why the decreases or in-

creases have occurred. One influence on the decrease is undoubtedly the decision this year by Harvard, Yale and Princeton to offer early admissions for the first time. The date for these "early actions" was Dec. 15. He said it is not possible to determine the exact influence on the decrease in Cornell applications.

Dickason said as far as he has been able to determine there is no indication yet of a nationwide trend of increased or decreased applications. Some schools are up and some are down, he said, adding that as of early December the SUNY system's applications were down considerably.

The total number of applications as of Jan. 22 of this year was 15,785 as compared to 17,239 for Jan. 25, 1976. The total decline in numbers is 1,454. He warned against using figures published last year for comparison to this year's figures because last year's totals contained applications to the New York State College of Veterinary Medicine. Veterinary College figures are not included in this year's totals. Dickason said his comparisons take this into consideration.

He pointed out that this year's deadline for submitting applications was extended from Jan. 15 to Feb.

1 due to delays in mail deliveries during the past few months.

A 10 per cent decrease to date in transfer applications does not give a significant picture. Only about 20 per cent of the transfer applications have been returned because transfer deadlines vary from Feb. 15 to April 15.

Go In Snow Or Call It Vacation

In response to questions received from a number of Cornell University employees, the following statement has been issued by Diedrich K. Willers, director of University Personnel Services:

"The University will remain open and operating unless it is closed officially. If employees must leave before the end of the work day because of the inclement weather, the time will be charged to vacation."

Willers added that the University's inclement weather policy is still in effect. If weather conditions force cancellation of classes or events at Cornell, participating radio stations will announce which activities will or will not take place.

Rideout's Soup Recipe Included in New Book

Blanchard Rideout's beef soup is one of four favorite recipes at Cornell University's Statler Club appearing in a recently published book of outstanding recipes from some of the nation's most distinguished private clubs.

In addition to Rideout's beef soup, the other Statler Club dishes selected from among the select are Statler Club Imperial Crab, Coq Au Vin and Biscuit Tortoni. The club is operated by the School of Hotel Administration at Cornell.

Rideout, professor of romance studies, emeritus, is a former president of the Statler club and originator of the recipe named in his honor.

The book, "Private Recipes from Private Clubs" was written by Beverly Anderson Barbour and published by Cahners Books International, Inc. Ms. Barbour, a "Dame de la Chaine des Rotisseurs," "Dame d'Escoffier," and a member of "The International Wine and Food

Society," selected several hundred recipes for the book from 47 private clubs in this country.

The recipe for two quarts of Rideout's beef soup follows: 2 lbs. round steak, cut in 1/2 inch cubes; 1 cup red wine; 4 carrots, peeled sliced; 3 potatoes, medium-sized, peeled, cubed; 3 celery ribs, sliced; green beans, as needed (optional); mushrooms, as needed (optional); salt, bay leaf, thyme, summer savory and parsley to taste. Follow these steps: 1. Brown steak cubes in vegetable oil. 2. Add onions; cover with half of the boiling water and all of the red wine. 3. Bring to a boil again, reduce heat, and cook gently an hour or more, until meat becomes tender. 4. Move to a large pot. Add remaining boiling water and vegetables; season to taste. 5. Simmer until done.

The red wine is the secret ingredient, according to Rideout.

Job Opportunities

Continued from Page 2

- Research Associate II, CPO4 (Agronomy (1 yr. app't))
- Research Assoc. I, CPO3 (Plant Pathology (1 yr. app't))
- * Assistant Librarian, CPO3 (Vet. Library)
- Assist. Prof. (Water Management Eng.) (College of Agr. & Life Sciences)
- * Assist. Prof. of Wildlife Management (Department of Natural Resources)
- Assoc. Professor of Planning (City & Regional Planning)
- Assist. Professor of Planning (City & Regional Planning)
- * Assist. or Assoc. Professor (Department of Agri. Economics)
- * Assist. Prof. in Human Factors & Design (Department of Design & Environ. Analysis)
- * Teaching Support Spec. CPO2 (Agri. Engr.)
- Lecturer (p/t - Fall 1977) (Women's Studies Program)
- * Post Doctoral Assoc. (Sibley School of Mech. & Aerospace Eng. (6 month position))
- Post Doctoral Assoc. (Vet. Phys., Biochem. & Pharmacology)
- Director, Infectious & Chronic Disease (NYS College of Vet. Medicine)
- Staff Surgeon (NYS College of Vet. Medicine)
- * Costumer (Department of Theatre Arts)
- * Scene Designer/Teacher (Department of Theatre Arts)
- * Technical Director (Department of Theatre Arts)
- * Teacher of Acting (Department of Theatre Arts)

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

PART-TIME AND TEMPORARY POSITIONS

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

- Steno II, NP-6 (Vet. Phys., Biochem. & Pharm. (perm. p/t))
- Steno I, NP-5 (Genetics, Dev. & Phys. (Temp. p/t))
- * Sr. Account Clerk, A-13 (Univ. Press (perm. p/t))
- Searcher I, A-13 (Slavic) (Univ. Libraries (Acquisitions) (perm. p/t))
- * Library Assistant II, A-12 (Univ. Libraries (Circulation) (perm. p/t))
- * Library Assistant I, A-10 (Univ. Libraries (Catalog) (perm. p/t))
- Sr. Clerk, A-12 (Campus Bus (Temp. p/t))
- Department Secretary, A-13 (Div. of Biological Sciences (perm. p/t))
- Bibliographic Assistant (Southeast Asia Program (Temp. p/t))
- * Secretary (Chemical Engineering (perm. p/t))
- Temp. Service Clerk (Vet. Micro. - James A. Baker Institute for Animal Health (Temp. p/t))
- Temp. Typist/Receptionist (Graduate School of B&PA (Temp. p/t))
- Temp. Service - Clerical (Human Dev. & Fam. Studies (Temp. p/t))
- Temp. Technical (Human Dev. & Fam. Studies (Temp. p/t))
- * Temp. Service Cook (Dining Services (Temp. f/t))
- Temp. Service Professional (Animal Science (Temp. p/t))
- Lecturer (Spring term) (Natural Resources (Temp. p/t))
- Programmer I, A-19 (MSA (Temp. f/t))
- * Lab. Tech. (2) (Diagnostic Lab. (Temp. f/t))
- Research Tech. NP-8 (Div. of Nutritional Sciences (1 yr. app't))
- Lab. Assistant (hourly) (Biochem. Molec. & Cell Bio. (Temp. p/t))
- Sr. Assistant Librarian, CPO3 (NYSSILR (Temp. f/t))
- Research Support Spec. I, CPO3 (Entomology (Geneva) (1 yr. app't))
- * Research Support Spec. I, CPO3 (Education (Temp. f/t))
- * Research Support Spec. I, CPO3 (Agr. Engr. (Temp. f/t))

'Lancelot' Author Walker Percy To Take Part in Chekhov Event

Walker Percy, whose forthcoming book "Lancelot" has been chosen as the March selection of the Book-of-the-Month-Club, will give the first lecture and reading of the spring term in Cornell's continuing festival celebrating the contributions of Anton Chekhov to modern American writing.

Percy will discuss "The Novelist as Diagnostician of the Modern Malaise" at 8:15 p.m. Thursday, Feb. 3, and will give a reading from "Lancelot" at 4:15 p.m. Friday, Feb. 4. Both events will be held at Kaufmann Auditorium, Goldwin Smith Hall, and are open to all interested persons without charge.

"What I'd like to do," writes Percy about the forthcoming lecture, "is not talk about Chekhov as such, but to use him as a take-off point—especially his suspicion of 'ideas' and 'science' (e.g. 'A Dreary Story') in favor of a healthy respect for the individual and the concrete—to say a few things about the physician-novelist writing about contemporary lives. The reading on Feb. 4 will be relevant to the subject."

Like Chekhov, Percy planned to be a physician, earning the master's degree from Columbia University's College of Physicians and Surgeons in 1941. Born in Birmingham, Ala., he won the National Book Award for his first novel, "The Moviegoer," in 1962.

"Percy is an unusually fine novelist, highly respected by other writers," said James McConkey, professor of English at Cornell and organizer of the Chekhov festival. "I think the Ithaca community is lucky



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Walker Percy

to have the author of what apparently will be one of the major novels of 1977 appear here to give a pre-publication reading from that novel and to give a talk that will illuminate the attitudes underlying the writing of it."

The other participants in the remaining events in the Chekhov festival are as follows:

—S.J. Marks, poet and

psychotherapist—lecture, 8:15 p.m. Thursday, Feb. 17; reading, 4:15 p.m. Friday, Feb. 18, Kaufmann Auditorium.

—Rufus Mathewson, chairman, Department of Slavic Languages, Columbia University—lecture, 8:15 p.m. Thursday, March 10, Andrew D. White House.

—Howard Moss, poet and poetry editor of The New Yorker Magazine—lecture, 8:15 p.m. Thursday, March 24; reading, 4:15 p.m. Friday, March 25, Kaufmann Auditorium.

—Denise Levertov, poet and essayist—lecture, 8:15 p.m. Thursday, April 14; reading 4:15 p.m. Friday, April 15, Kaufmann Auditorium.

—Ralph Lindheim, professor of Slavic Studies, University of Toronto—lecture, 4:15 p.m. Thursday, April 21, Andrew D. White House.

—Eudora Welty, novelist and short story writer—lecture, 8:15 p.m. Thursday, May 5, Room 110 Ives Hall; reading, 4:15 p.m. Friday, May 6, Uris Auditorium.

The festival is sponsored by the Cornell Council on the Creative and Performing Arts.

New York Artists At Johnson

Works by New York State artists will be on display at Cornell University's Herbert F. Johnson Museum of Art through Feb. 16. Artists Michael Boyd, James Ridlon, Frans Wildenhain, and the Rochester Folk Art Guild make up this exhibition of painting and ceramics.

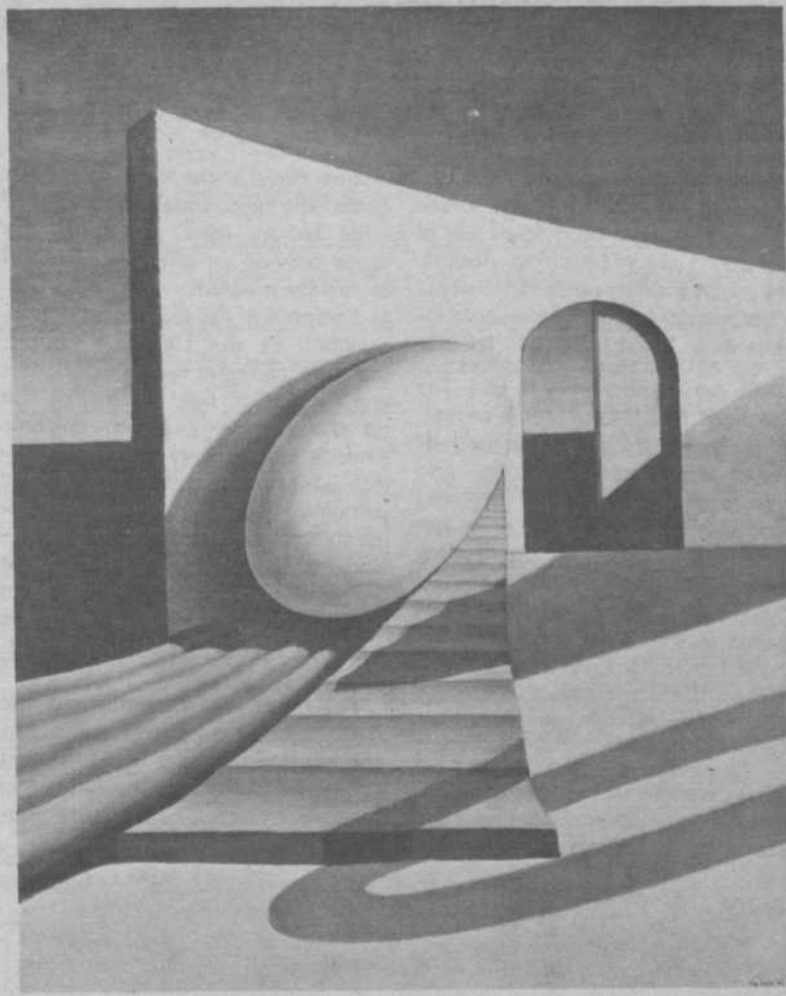
Boyd, an assistant professor at Cornell University, is represented by two series of works. They evolve from a system Boyd has devised for structuring his work, in which compositional elements are automatically determined.

Ridlon, for eight years a professional football player and now professor of art at the College of Visual and Performing Arts at Syracuse University, works with a new media he calls space age materials, such as Nexus, a fibrous polyester.

Now a ceramist, Wildenhain studied at the Bauhaus at Weimar with such artists as Josef Albers and Paul Klee. His ceramics include utilitarian pieces, abstract sculpture, and murals. Sixteen of his most recent works are displayed in this exhibition.

At the Rochester Folk Art Guild farm in Middlesex, artists work anonymously using wheel-throwing and hand-building techniques to produce their pottery. The 32 works from the Guild in this show are mostly porcelains with many different glazes.

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



"My Room Has Two Doors," is the name of this painting by surrealist Kay Sage, whose works are on exhibit through March 23 at the Herbert F. Johnson Museum of Art.

Sage's Works Shown At Johnson Museum

A retrospective exhibition of works by surrealist painter Kay Sage will be held at Cornell University's Herbert F. Johnson Museum of Art from now through March 13.

Sage, who married the French painter Yves Tanguy in 1940, was born in Albany in 1898. Her paintings "talk about infinity, space and obstacles," writes Regine Tessier Krieger in her introduction to the exhibition's catalog. "As in Yves Tanguy's paintings, the landscapes may be from another planet, but in Kay's, the scaffoldings, the riggings, and the towers are familiar to our modern world in a dreamlike fashion," says Krieger, a close friend of Sage.

Sixty-six of Sage's paintings will be on display. Several of her poems selected by Krieger are included in the catalog, as well as excerpts from her unpublished memoirs.

"The paintings of Kay Sage constitute a major American contribution to surrealism, even though she never formally participated in the movement," says Thomas W. Leavitt, director of the museum and organizer of the show. "After her death in 1963 her paintings were distributed to major museums throughout the United States. In this exhibition we have attempted to reassemble as many paintings as possible to provide an opportunity for the comprehensive study of her contribution to 20th century art."

Experimental Films Continue This Spring

The Herbert F. Johnson Museum of Art is continuing its experimental film series this spring. The films are free and open to the public.

The first program, Feb. 2, will offer films by two Americans influenced by Surrealism, Sidney Peterson and James Broughton, to complement the museum's exhibition of paintings by the Surrealist Kay Sage, on display from Jan. 26 to March 13.

The five other programs take place on Feb. 16 (Kenneth Anger), March 2 (Hollis Frampton), March 16 (Women Filmmakers), March 30 (Larry Gottheim), and April 13 (Cornell Filmmakers). All programs

start at 7 p.m., and all are on Wednesdays.

On March 30, Gottheim, chairman of the Film Department at SUNY Binghamton, will be present to discuss his films with the audience.

There also will be a matinee for children on Sunday, March 6, at 1 p.m. and again at 3 p.m. The five short films are: "The Lollipop Opera," "The Golden Fish," "The Mole and the Hedgehog," "The Mole and the Lollipop," and "The Balloon Tree."

The museum is open every Wednesday until 9 p.m.

'Celebrations Group' Plans Ithaca Show

A presentation by Celebrations Group, which is proposing a community-wide display of the creative arts, using the entire Ithaca area environment for several days and involving the talents of many area artists, has been scheduled for Monday, Feb. 7.

Two sessions are scheduled for that day, one from 11:15 a.m. to 1 p.m. at the Ramada Inn, and a second from 3:30 to 5 p.m. at the

BOCES building on Warren Rd., Room A-31. The second session will emphasize the involvement of children.

Persons wishing to attend the Ramada session should make arrangements for a sandwich lunch by contacting Sorrel Fisher at 273-8122 or Cheryl Nickel, 277-0185, or mail to Fisher at 203 The Parkway. Lunch is \$2.

Public Employment Bargaining Criticized

Far-reaching criticism of laws which encourage collective bargaining in public employment is the theme of a new publication by Robert S. Summers, the William G. McRoberts Professor of Law at Cornell University.

In "Collective Bargaining and Public Benefit Conferral," Summers questions the underlying philosophy of the state laws which in recent years have encouraged the formation of unions and collective bargaining in state, county and

municipal government. The main basis of the challenge is that public employe bargaining is inconsistent with the conduct of democratic government.

This monograph is the newest in a series published by ILR under the auspices of its public employee relations institute. The school has plans underway for a symposium at which the views of Summers will be discussed by critics as well as supporters.



Lectures Are on Tape

Something has grabbed our attention at the Academic Resources Center: A reserve-tape operation in the Uris Library Listening Rooms. Any professor may place tapes of his or her regular lectures on reserve for students to listen to at their leisure.

The service is simple to use. The professor (or TA) procures a cassette recorder from his or her department, tapes each lecture, and delivers the tape to the Listening Rooms. If the professor does not want to tape every lecture, or only wants supplemental taped materials placed on reserve, the Listening Rooms is willing to accommodate. Visual materials, such as diagrams, graphs, or calculations that belong with the tapes, can be placed on reserve as well.

The reserve-tape service can be a great aid to professors, teaching assistants, and students alike. For big

lecture classes, the tapes can overcome the acoustical problems of large lecture halls. Generally, the tapes provide an effective remedial or review medium.

Equipment for taping cannot be provided by the Listening Rooms, but the Academic Resources Center will be glad to help professors line up the necessary taping devices. Anyone who wishes to use the service is advised to call before the new semester begins to make arrangements and to consult with a technician. Because heavy use of the program is anticipated at preliminary time, professors are urged to schedule tapes for tests well in advance.

For more information about the tape-reserve program, contact Andrew Herkovic, the Uris Listening Rooms, at 6-3342, or the Academic Resources Center, Uris Library Lobby, at 6-4199.



The Quartetto Italiano will perform at Cornell on Tuesday, Feb. 8.

Quartetto Italiano in Statler Show

The Quartetto Italiano, the group that composer-critic Virgil Thomson called "the finest string quartet, unquestionably, that our century has known," will present the third concert of Cornell University's 1976-77 Statler Auditorium Chamber Music series at 8:15 p.m. Tuesday, Feb. 8.

The program will consist of

Mozart's Quartet in D minor, K. 421, Ravel's Quartet in F Major (1903) and Beethoven's Quartet in A minor, Op. 132.

The four members of the Quartetto Italiano—violinists Paolo Borciani and Elisa Pegreffi, violist Piero Farulli and cellist Franco Rossi—have been playing together for more

than 30 years which has given them, according to the New York Times, "the kind of ensemble perfection achieved only by the greatest string quartets."

A limited number of tickets for the concert are on sale at the Lincoln Hall ticket office (256-5144).

'Viola D'Amore' Is Lecture Topic

"The Viola D'Amore: Its History and Music" will be the subject of a lecture-demonstration by Myron Rosenblum at 8:15 p.m. Tuesday, Feb. 1, at Barnes Hall Auditorium.

The viola d'amore, characterized by its scroll-like shape, was used mainly from the mid to the late 18th

century. The instrument is larger than a violin but held in the same way. Its most distinctive feature is a set of "sympathetic strings"—metal strings set underneath those strings which actually come into contact with the bow. The bowing of the upper strings causes the sympathetic strings to resonate, producing what

is often described as a "silvery" tone.

"The instrument makes an incredibly different sound," said Sonya Monosoff, professor of music at Cornell, "which is very, very beautiful and quite unlike the sound of other string instruments." She added that the viola d'amore is virtually always used as a solo instrument, because the unique qualities of its sound prevent it from blending in with ensembles composed of other members of the string family.

Among the composers whose works will be performed as part of the lecture-demonstration are Franz Simon Schuchpaur (d. 1743), Attilio Ariosti (1660-c. 1740), Karl Stamitz (1745-1801) and Dika Newlin (b. 1923).

Rosenblum is the founder and a member of the Viola D'Amore Society of America. He has performed the viola d'amore with the New York City Opera, the Pro Arte Orchestra, the Brattleboro Music Festival and with members of the New York Philharmonic. He wrote his Ph.D. dissertation at New York University on the history and literature of the instrument.

He will be assisted in the lecture-demonstration by guest harpsichordist-pianist Raymond Erickson, associate professor of music at Queens College, and by Cornell faculty artists John Hsu, viola da gamba, and Monosoff, violin.

TC3 Courses Offered On Cornell Campus

Today is the last day to enroll in four courses sponsored by Tompkins Cortland Community College (TC3) to be given on the Cornell campus this spring.

The four courses are: "Fundamentals of Speech" — English 201; "Composition" — English 101; "Psychology of Personal Adjustment" — Psychology 101; and "Personnel Management" — Business Administration 208.

The subject matter may be of special interest to many Cornell employees, according to Gerald S. Thomas, director of training and development. To make it easier for employees to attend, the courses will be held on the Cornell campus, in 164 Morrison Hall, he said.

"Each of the four classes is scheduled at 4:45 p.m. for the convenience of Cornell employees, and the Morrison Hall location is con-

venient to the "B" parking lot," Thomas said.

Persons interested in enrolling should register directly with TC3. Registration began Tuesday, Jan. 25, and ends today. Classes begin Jan. 31.

If the courses are related to an employee's Cornell responsibilities, Thomas said, the employee may be eligible for the University's Tuition Aid program. The program covers the cost of tuition for job-related courses up to \$25 per credit hour. TC3 tuition is \$22 per credit hour. Employees with questions should consult Thomas's office (6-7400—B-12 Ives Hall).

The courses are regular TC3 credit courses and are not limited to Cornell employees.



Dancers in the Jose Limon Dance Company perform *Air for the G String*.

Limon Dance Group On Campus Feb. 4, 5

The Jose Limon Dance Company will be in residence at Cornell Feb. 4 and 5, as the third event in the year's dance series. The group will give a lecture-demonstration at 8:15 p.m. Friday, Feb. 4, at Barnes Hall, and a performance at 8:15 p.m. Saturday, Feb. 5, at the Alice Statler Auditorium.

Limon founded his company in 1947 with Doris Humphrey as artistic director. He choreographed some 65 works, many of which, such as "The Moor's Pavane" and

"The Emperor Jones," have become modern classics.

When Limon died in 1972, Ruth Currier, a soloist with the company for 15 years and assistant to Humphrey for eight, was asked by the dancers to serve as artistic director. Tickets for reserved seats are on sale at the Willard Straight ticket office, Helen Newman Dance Office and Nippenose in the DeWitt Mall.

There will be a general admission charge of \$1.50 for the lecture-demonstration.

Phi Kappa Phi Seeks Student Nominations

Graduate and undergraduate students with outstanding scholastic records and good character are eligible for membership in the honor society Phi Kappa Phi upon nomination by their graduate field representative or dean.

Nominations must be submitted to Robert R. Zall, associate professor of food science and membership secretary for the Cornell chapter of Phi Kappa Phi, no later than Feb. 1. His address is 118C Stocking.

Phi Kappa Phi is a national honor society whose primary objective is the recognition and encouragement of superior scholarship in all academic disciplines.

Science Teachers Training Grant Inaugurated by NSF

The National Science Foundation is inaugurating a new Pre-College Teacher Development in Science Program for the continuing education of elementary and secondary school science teachers. The specific objectives of the program are to improve teachers' knowledge of the subject matter of science and to develop and maintain communication and cooperation between scientists at college and universities and teachers in elementary and secondary schools.

Projects supported in this program will be characterized in general by a group of elementary or secondary schoolteachers engaged in a learning experience sponsored by the grantee institution and staffed by individual faculty or others selected for their appropriate expertise. There will be academic year projects, involving part-time study offered at a central location for teachers within commuting distance, with sessions held regularly during the academic year. Such projects may be preceded by a brief full-time session prior to the beginning of school. Also, during the summer there will be full-time projects ranging from 1 to 4 weeks, on a regional basis and intended for advanced and intensive training in specific disciplines.

Proposals are due at NSF on March 1, 1977. Further information on this program is available from the Office of Academic Funding, 123 Day Hall.

NIEHS Grant Announced

The National Institute of Environmental Health Sciences is seeking proposals for research in the areas of epidemiology and statistics, environmental pathology, environmental pharmacology and toxicology, behavioral toxicology and marine biomedicine and pharmacology through its Young Environmental Scientist Health Research Grant Program. The deadline for applications is March 1.

Proposals should emphasize pollutant pharmacokinetics in both the body and the external environment, the molecular and cellular mechanisms of damage, identification of environmental hazards and development of test methods for risk assessment.

More detailed information and application kits are available at the University's Office of Academic Funding, 123 Day Hall (256-5014).

NSF Seeks Faculty People For Its Rotator Program

The National Science Foundation (NSF) is seeking qualified faculty members, especially minorities, women and the handicapped, to serve as members of its rotator program. Applicants should hold the Ph.D. degree, have six years of scientific research experience (or equivalent academic experience) and some administrative experience.

Faculty members in the program spend from one to two years on the NSF staff, reviewing and evaluating proposals for support, then return to their own universities. NSF fills approximately 30 rotator positions each year.

Interested individuals should send their vitae and statements of interest to Herbert Harrington Jr., Director, Office of Equal Employment Opportunity, 1800 G St. NW,

Room 536, Washington, D.C. 20550 (202-632-9178). Cornell's Office of Academic Funding is available to assist interested persons in preparing their applications.

Rabbi to Give Talk at Sage

Rabbi Jack Riemer will speak on the topic "My Three Sons" at the first Sage Chapel Convocation of the spring term at 11 a.m. Sunday, Jan. 30.

Riemer is the spiritual leader of the Beth Abraham Synagogue in Dayton Ohio. He is the editor of "Jewish Reflections on Death" and of "New Prayers for the High Holy Days," which is used in hundreds of congregations throughout the United States and Canada.

Ordained by the Jewish Theological Seminary, Riemer pursued graduate studies at Brandeis and the University of Pittsburgh.

Cornell University Libraries

CORNELL UNIVERSITY LIBRARIES
Schedule of Hours^A
Spring Semester - January 24, 1977 through May 24, 1977^B

LIBRARY	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Africana Studies	9A-9P	9A-9P	9A-9P	9A-9P	9A-9P	12N-5P	1P-9P
BPA	8A-11P	8A-11P	8A-11P	8A-11P	8A-10P	9A-5P	1P-11P
Engineering ^C	8A-11P 9A-5P	8A-11P 9A-5P	8A-11P 9A-5P	8A-11P 9A-5P	8A-9P	9A-5P	1P-11P
Entomology	7P-10P	7P-10P	7P-10P	7P-10P	9A-5P	10A-5P	Closed
Fine Arts	8A-11P	8A-11P	8A-11P	8A-11P	8A-10P	9A-5P	1P-11P
Hotel	8:30A-11P	8:30A-11P	8:30A-11P	8:30A-11P	8:30A-5P	9A-12:30P	1P-11P
ILR	8A-11P	8A-11P	8A-11P	8A-11P	8A-7P	9A-5P	1P-11P
Law	8A-12M	8A-12M	8A-12M	8A-12M	8A-10P	9A-5P	1P-12M
Mann	8A-11P	8A-11P	8A-11P	8A-11P	8A-10P	9A-5P	1P-11P ^D
Mathematics	8A-11P	8A-11P	8A-11P	8A-11P	8A-10P	9A-5P	1P-11P
Music	9A-11P	9A-11P	9A-11P	9A-11P	9A-5P	12N-5P	2P-11P ^E
Olín	8A-12M	8A-12M	8A-12M	8A-12M	8A-10P	9A-10P	1P-12M ^{F,G}
Physical Sciences	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M
Uris ^H	8A-12M	8A-12M	8A-12M	8A-12M	8A-10P	9A-10P	12N-12M
Veterinary	8A-11P	8A-11P	8A-11P	8A-11P	8A-5P	8A-5P	2P-11P

^A: Except for vacation periods when special schedules will be issued.

^B: The last date of this schedule may vary with changes in the schedule of final examinations.

^C: Exceptions: May 13, 8A-11P; May 14, 9A-11P.

^D: Reserve Desk only opens at 11A Sundays.

^E: Sunday, Jan. 23, open 7-11P.

^F: No paging after 6P on Saturdays.

^G: Sunday, Jan. 23, open 6-10P.

^H: Exceptions: Saturday, Jan. 23, 9-5P; Sunday, Jan. 24, 12N-12M.

Plantations Has Winter Offerings

Winter is a time to find beauty in the subtle shapes and textures of the landscape, a time to cook old-fashioned goodies in the fireplace, a time to root fragrant herbs to plant in the garden next spring — and a time to learn how to do it through the Cornell Plantations winter education program.

Beginning in mid-January, the Plantations will sponsor a series of courses ranging from field natural history for cross-country skiers to keeping ferns as houseplants. The courses are open to all interested persons, according to Meg Niederhofer, education coordinator, but because class size is limited participants are urged to register early. Unless otherwise indicated, all courses meet in the Plantations office, 100 Judd Falls Road.

"Ornamental Trees and Shrubs in Winter" will focus on the interesting bark, branching patterns and colorful fruits of at least 30 ornamental trees and shrubs. The course will meet from 7:30 to 9:30 p.m. Wednesdays, Feb. 2 and 9, and from 9:30 a.m. to noon on Saturday, Feb. 12. The registration fee is \$9.

"An Early American Sampler," taught by Ronn Brown, will adapt recipes popular with pioneers to cooking over modern sources of fire—fireplaces, franklin stoves and campfires. Students will learn to prepare soups and stews, vegetables, meat, bread, biscuits and desserts. All cooking will be done in the fireplace in Japes Lodge, and all supplies are included in the enrollment fee of \$15. The course will meet from 7:30 to 9:30 p.m. Thursdays, Feb. 3, 10 and 17.

Harlan Banks, professor of botany at Cornell, will present "The 3-Billion Year Life-Story of Plants (Fossils)" from 7:30 to 9:30 p.m. Thursdays, March 3, 10, 17 and 24. Each class will focus on a different

period of geologic time as students examine fossils, learn about the evolution of plants, view photochrome slides taken by Banks in his travels around the world and make acetate peels of coal balls. Special attention will be given to the fossils of the Catskill Mountains and Pennsylvania. The course fee is \$15.

Harold B. Tukey, professor of ornamental horticulture at Cornell, and Lane Ziegenfuss, who grafts plants for many of the finest arboreta and nurseries in the country, will teach a course in grafting woody plant materials. Each student will be able to make four grafts of unusual conifers to take home and grow. All supplies are included in the fee of \$20. The course will consist of a lecture from 7:30 to 9:30 p.m. Thursday, Feb. 24 and a laboratory either from 7 to 11 p.m. Friday, Feb. 25 or from 8:30 a.m. to 12:30 p.m. Saturday, Feb. 26.

"Houseplants from Desert Gardens," taught by Dave Stoller, Meg Niederhofer and Jean Kavanagh, will explain how to bring cacti and other "succulents" into flower and how to propagate and care for them. An optional third ses-

sion, offered at no extra charge, will be devoted to creating dish gardens using cacti and other succulents. Supplies for the third session will be available at reasonable prices. The regular sessions will meet from 7:30 to 9:30 p.m. Wednesdays, Feb. 16 and 23; the optional session will meet from 7:30 to 9:30 p.m. Wednesday, March 2. The course fee, which includes the book, "Cacti and Succulents for Modern Living," is \$9.

"A Garden of Fragrance," taught by Audrey O'Connor and Pam Mackesey, will explain how to perfume the air with herbaceous and woody material that have scented flowers and foliage. Students will learn to propagate scented geraniums and fragrant herbs and will be able to make cuttings which can be rooted at home and planted in the garden next spring. The course will meet from 7:30 to 9:30 p.m. Tuesdays, March 1, 8 and 15. All plants and supplies are included in the registration fee of \$14.

Registration forms for all courses are available through the Cornell Plantations, 100 Judd Falls Road. The phone number is 256-3020.

Water Reuse Proposals To Get Funding Priority

Research proposals on reusing units for processing water, and an evaluation of national and regional needs and potential for water reuse are among the areas of particular interest.

Detailed information on the program and instructions for submitting proposals are available from CER, 468 Hollister Hall (256-7535).

Proposals for research on water treatment processes and systems; use of reusing water from municipal, industrial and agricultural systems; use of mobile treatment before Feb. 28.



Engineering Mini-Courses

Freshmen Get Lab Work

Last semester Tom Schwartz and Chuck D'Angelo worked with field emission microscopes and ultra-high vacuum environments to explore engineering applications associated with the surfaces of solids. Guiding their experiments were a professor and a team of technical specialists.

No, Schwartz and D'Angelo are not advanced graduate students — they are freshmen in Cornell University's College of Engineering, and they were involved in one of some 24 mini-courses offered each term to expose beginning students to the complexity and variety of the fields of engineering.

D'Angelo and Schwartz, working under the direction of Thor Rhodin, professor of applied and engineering physics, used vacuum technology equipment as complex as that used by advanced graduate students and professionals. "This isn't a Mickey Mouse laboratory," Rhodin stressed. "It's a hands-on course from the beginning."

Schwartz and D'Angelo first learned to run the equipment, then studied the design behind it, and finally learned something about the physical and chemical principles underlying their observations.

"We back into the analytical side of the subject — an approach different from that taken in most introductory courses," Rhodin said, "and the students seem to find it a refreshing change."

Mini-courses for engineering freshmen include an analysis of the mechanical design and performance of the tonearm of a record player, a study of the principles underlying games of chance, an engineering analysis of landslides and, for potential engineering entrepreneurs, a course outlining the joys and frustrations of running a business.

For men and women who need practice in the laboratory, there is a basic techniques course where students learn to use a soldering iron, a torch, a lathe, and a screwdriver and build and test a simple electrical device.

"The basic skills course is open to men and women, but we have found that women — who usually have fewer preconceptions of how things ought to be done — do better than the men," explained Robert Lieberman, assistant professor in the College's Division of Basic Studies and coor-



Tom Schwartz (left) of Englewood Cliffs, N.J. and Chuck D'Angelo of Harwinton, Conn., use a field emission microscope to study the electron structure of an iridium crystal during a mini-course for engineering freshmen on vacuum technology and solid surfaces.

dinator of the mini-course program.

Professors teaching mini-courses adopt a variety of teaching techniques to suit their personalities and their subject matter, and although almost 400 freshmen take the course each semester, most mini-courses have only a small number of students each — giving the students an unusual opportunity to work closely with a professor early in their college career.

"I've been amazed how responsive freshmen are to the individual attention typical in the mini-courses," Rhodin said. "My technical assistants and I enjoy it too because it is one of the few times we get to work so closely with freshmen."

Students also are enthused about the program. They have consistently rated Engineering 106, which includes the mini-courses and a series of weekly lectures on a topic of interest to all engineers, as their favorite freshman course.

Many of the most popular mini-courses will be offered again next semester and new ones — including a course in videotape production for engineers — will be available.

For more information on the program, contact Robert Lieberman, 170 Olin Hall, Cornell University. The phone number is 256-7414.

Tuition Remission Still Untaxed

The Internal Revenue Service will delay decision on whether to put into effect its proposed taxation of remitted tuition until the Carter Administration has had a chance to review the question.

This is the message that J. Robert Barlow, assistant to Cornell University President Dale R. Corson, brought back from Washington, where he attended an IRS hearing on tuition remission earlier this month.

"We will not rush to judgment," said IRS Commissioner Donald Alexander, according to Barlow, and IRS Chief Counsel Meade Whitaker added, "We cannot and will not

commit our successors" on the issue.

Eighty-four witnesses attended the hearing to testify, and IRS received more than 2,000 letters, Barlow said.

Virtually all of the testimony opposed the proposed regulations, which would begin counting as taxable income benefits received under children's tuition scholarship programs.

Earlier, Corson had written IRS Commissioner Alexander opposing the plan.

University figures show that 486 sons and daughters of Cornell employees attended Cornell during the past academic year under the Children's Tuition Scholarship plan,

with a benefits total of about \$895,000. Tuition benefits were awarded to 766 students for study at other institutions, with tuition partially remitted for a value of about \$588,000.

Barlow said one point made frequently at the hearing was that the IRS proposal is another nail in the coffin of the independent sector of higher education. "Reducing the tuition-remission incentive for faculty will mean that faculty must be paid higher salaries, which means higher tuition, which means a greater tuition gap, which drives students to the public sector," he said. The public sector is also concerned about the proposed change, according to Barlow.

Extramural Has Two Programs

Spring term courses at Cornell University are open to area residents through two programs—the Extramural Program and the Official Visitors Program—sponsored by the Division of Summer Session and Extramural Courses.

Persons who want to take Cornell courses for credit may enroll as extramural registrants, according to Martin W. Sampson, dean of the division. Extramural registrants do all required course work and receive a grade on an official Cornell transcript. In some cases, these credits may later be applied toward degree requirements at Cornell or elsewhere.

Admission to a particular course depends on the permission of the college offering the course and its instructor, and the availability of space after the accommodation of all degree candidates. Tuition is \$100 per credit hour. Extramural registrants may take up to eight credit hours per term.

Registration for the Extramural

Program is under way now and will continue through Friday. Late registration, with a \$10 late fee, may be made through Friday, Feb. 18. No registrations will be accepted after that date.

The Official Visit Program is for area residents who do not wish to earn college credits and who are not Cornell degree candidates. Participants in this program may attend lectures and engage in classroom discussions, but no official record is kept of attendance or performance and no academic credit is earned.

The registration fee for the Official Visitor Program is \$10 per credit hour. Registration for this program also will continue through Friday. Admission to a course is dependent upon the consent of the college, department and instructor.

Further information on these programs may be obtained at the office of the Division of Summer Session and Extramural Courses, 105 Day Hall (256-4987).

Proposals Are Sought By Women's Studies

Cornell University's Women's Studies Program is seeking proposals for teaching new courses in the program during the fall 1977 semester. Anyone not currently on the Cornell faculty is eligible to submit a proposal, according to Johanna Ettin, acting director of the program. They should be submitted to the Women's Studies Program, 431 White Hall, by Feb. 11.

Courses in the social sciences, the arts, the biological sciences and the humanities, as well as interdisciplinary courses, will be considered, Ettin said.

Each applicant should submit a brief description of the proposed course and its importance to the Women's Studies curriculum. A detailed syllabus with full bibliography, and a description of teaching methods should be included.

Applicants also should include a resume of their educational background and relevant experiences and three letters of recommendation.

For more information, contact Johanna Ettin at 256-6480 or Sally McConnell-Ginet at 256-3553.

Prizes to Be Given For Savings Ideas

The University will use a \$2,500 cash prize it won this summer for money-saving efforts in 1975-76 to make a series of "War on Waste Awards" during the coming year to members of the Cornell community.

Cash awards and letters of commendation will be given for conservation ideas and new programs already in process since July 1, 1976. Creativity and daring are encouraged. Any member of the Cornell community, faculty, student and staff, may enter the competition, which will be conducted and judged by a newly established War on Waste Awards Committee appointed by Senior Vice President William G. Herbst.

Entries may be submitted immediately through campus mail to the War on Waste Committee, Day Hall. The first winners will be announced May 2. There will be other contests conducted during the summer and fall based on the results of

the initial competition.

Jack Lowe, chairman of the committee, said the amounts and number of initial cash prizes will not be determined until the seven member committee has an opportunity to analyze the quality and quantity of the first entries.

The entries should follow a three-part format on a single piece of paper if possible. First, give a brief description of present method of practice; second, outline new plan; third, give estimated savings to University if possible.

In addition to Lowe the committee members are Elmer Meyer Jr.

dean of students; Dora S. Hymes, account clerk; Elizabeth Murphy, budget manager; Robert Scott, associate dean of Arts and Sciences; Ann Ward, financial analyst, and Steven Albert, Arts '78.

Cornell Summer



THIS YEAR, WHY NOT A CORNELL SUMMER?

Cornell Summer is three hundred courses in a wide variety of areas offered in three-, six-, and eight-week sessions. Tuition is \$100 per credit hour, with \$5 per week general fees - significantly less than regular endowed college tuition.

Cornell Summer is fifty special programs, five days to eight weeks in length. Programs in historic preservation planning, dance, prelaw, Asian language, the Cornell Alumni University, archaeology, marine science...there's literally something for everyone.

Cornell Summer is Finger Lakes country at the most pleasant time of the year - Summer Ithaca, the state parks, Glen racing, the wineries, Corning Glass Center, and many other places of interest.

Cornell Summer...a place and a time for you.



THREE-WEEK SESSION June 6 - June 28

ANTHROPOLOGY

101 *Nature, Culture, and Human History: An Introduction to Anthropology* [U,G]. 4 hrs. cr. M T W Th F 9:30-11:45. D.J. Greenwood.

ART

154 *Life and Still-life Drawing* [U,G]. 3 hrs. cr. M T W Th F 9-12. Z. Blum.
Art 161 [also Arch 250] *Beginning Photography* [U,G]. 3 hrs. cr. Section 1, M T W Th F 9-12, plus darkroom work (two hours a day average). S. Bowman. Section 2, M T W Th F 1-4, plus darkroom work (two hours a day average). J. Livingston-Dennis.
270 *Special Studios* [U,G]. Variable credit. By arrangement.

BIOLOGICAL SCIENCES

421 *Comparative Vertebrate Ethology* [U,G]. 3 hrs. cr. M T W Th F 9-11, plus daily field trips. W.C. Diller.

CITY AND REGIONAL PLANNING

614 *Neighborhood Theory* [U,G]. 3 hrs. cr. M T W Th F 9-12. H. Hammerman.
639 *The British New Towns Experience* [U,G]. 3 hrs. cr. M T W Th F 10-11:30, 1-2:30. H. Wirz.
930 *Seminar in Methods for Planning and Policy Analysis* [G]. 2 hrs. cr. M T W Th F 10-11:30, 1-2:30. P. Brandford.

COMPARATIVE LITERATURE

328 *Studies in the Literature of the Old Testament* [U,G]. 4 hrs. cr. M T W Th F 9:30-11:45. C. M. Carmichael.

COMPUTER SCIENCE

102 *Computer Programming with PL/1* [U,G]. 3 hrs. cr. M T W Th F 9:30-11:45.

ECONOMICS

101 *Introductory Macroeconomics* [U,G]. 3 hrs. cr. M T W Th F 9:30-12. P. McClelland.
102 *Introductory Microeconomics* [U,G]. 3 hrs. cr. M T W Th F 9:30-12. R. Schuler.
311 *Intermediate Microeconomic Theory* [U,G]. 4 hrs. cr. M T W Th F 9:30-12. L. M. Falkson.
312 *Intermediate Macroeconomic Analysis* [U,G]. 4 hrs. cr. M T W Th F 9:30-12. M. Haines.
331 *Money and Credit* [U,G]. 4 hrs. cr. M T W Th F 9:30-12. U. Posen.
351 *Industrial Organization* [U,G]. 4 hrs. cr. M T W Th F 9:30-12. R. Masson.
361 *International Monetary Theory and Policy* [U,G]. 4 hrs. cr. M T W Th F 9:30-12. T. Bayard.
367 *Comparative Economic Systems: United States and Europe* [U,G]. 4 hrs. cr. M T W Th F 9:30-12. G. Staller.

ENGINEERING

Chemical Engineering
110 *Mass and Energy Balances* [U,G]. 3 hrs. cr. Self-paced, audiovisual instruction only, at the convenience of the student. R. Thorpe.
Electrical Engineering
210 *Introduction to Electrical Systems* [U]. 3 hrs. cr. M T W Th F 9-10:15, 10:30-11:30. B. Nichols.
480 *Thermal and Statistical Physics for Engineers* [U]. 3 hrs. cr. M T W Th F 9-11:15. R. L. Liboff.
675 *Switching Theory and Logic Design* [U,G]. 3 hrs. cr. M T W Th F 9-10:15, 10:30-11:30. N. M. Vrana.

The courses and teaching personnel listed herein, are subject to change at any time by official action of Cornell University.

ENGLISH

368 *American Short Stories* [U,G]. 4 hrs. cr. M T W Th F 9-10:15, 10:30-11:45. J. McConkey.
368 *Narrative and Expository Writing* [U,G]. 4 hrs. cr. M T W Th F 9-10:15, 10:30-11:45. E. Rosenberg.
425 *The Poetry of Eliot and Stevens* [U,G]. 4 hrs. cr. M T W Th F 9-10:15, 10:30-11:45. T. Jeffers.

GOVERNMENT

161 *Freedom and Justice in the Western Tradition: An Introduction to Political Philosophy* [U,G]. 3 hrs. cr. M T W Th F 8-10:15. I. Kramnick.
316 *The American Presidency* [U,G]. 4 hrs. cr. M T W Th F 9:30-11:45. R. Kurlander.
332 *Society and Politics in France and Italy* [U,G]. 4 hrs. cr. M T W Th F 9:30-11:45. S. G. Tarrow.
399 *The Documentary Impulse: A Workshop in Documentary Photography and Writing* [U,G]. (See Special Programs.)

HISTORY

151 *Introduction to Western Civilization* [U,G]. 4 hrs. cr. M T W Th F 8-10:30. L. P. Williams.
316 *American Constitutional Development* [U,G]. 4 hrs. cr. M T W Th F 11-12, 3:30-4:45. F. Somkin.

INDUSTRIAL AND LABOR RELATIONS

222 *Studies in Organizational Behavior* [U,G]. 3 hrs. cr. M T W Th F 8-9:15, 10:15-11:30. S. Bacharach.
360 *Personnel Management* [U,G]. 3 hrs. cr. M T W Th F 9:30-12. W. B. Wolf.

MATHEMATICS

111 *Analytic Geometry and Calculus* [U]. 3 hrs. cr. M T W Th F 9:30-10:45, 2-3:15. Staff.

NATURAL RESOURCES

230 *Diet for a Small Planet* [U,G]. 3 hrs. cr. M T W Th F 9:45-12. G. M. Berardi.

PSYCHOLOGY

281 [also Soc 281] *Interpersonal Relations and Small Groups* [U]. M T W Th F 9:30-12. L. Meltzer.
325 *Introductory Psychopathology* [U,G]. 3 hrs. cr. M T W Th F 10-12:30. R. Mack.
351 *Human Sexual Dysfunction and Treatment* [U,G]. 3 hrs. cr. M T W Th F 10-12:30. M. Dickman.
542 *Individual Intelligence Testing* [G]. 4 hrs. cr. M T W Th F 10-12:30. W. White.

SEMITIC LANGUAGES AND LITERATURES

249 [also Arkeo 275] *Underwater Archaeology and Ancient Seafaring* [U,G]. 3 hrs. cr. M T W Th F 9-10, 11-12:15. D. I. Owen.

SOCIOLOGY

101 *Introduction to Sociology* [U]. 3 hrs. cr. M T W Th F 9-11:30. D. Hayes.
281 [also Psych 281] *Interpersonal Relations and Small Groups* [U,G].



SIX-WEEK SESSION June 29 - August 12

AFRICANA STUDIES

390 *The Socioeconomic History of Black America* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. R. Harris.

AGRICULTURE

See Special Programs in Agriculture

ANTHROPOLOGY

104 *Evolution of Man* [U,G]. 3 hrs. cr. M T W Th F 8-9:15. B. P. Winterhalder.
363 *Hunters and Gatherers: Past and Present* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. G. O. Rollefson.

ARCHAEOLOGY

See Special Program in Archaeology

ARCHITECTURE

125 *Issues and Methods in Architecture* [U]. 6 hrs. cr. Morning and afternoon sessions. Staff.
250 [also Art 161] *Beginning Photography* [U,G].
433 *History of Asian Architecture* [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. R. D. MacDougall.
See also Special Program in Architecture.

ART

110 *Color, Form, and Space* [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. N. Daly.
121 *Painting* [U,G]. 3 hrs. cr. M T W Th F 2-4. E. Berendt.
141 *Sculpture* [U,G]. 3 hrs. cr. M T W Th F 2-4. M. Vallila.
155 *Conceptual Drawing* [U,G]. 2 hrs. cr. June 30-July 21. M T W Th F 11-1:15. S. Blum.
156 *Conceptual Drawing* [U,G]. 2 hrs. cr. July 22-August 12. M T W Th F 11-1:15. D. Seyer.
161 [also Arch 250] *Beginning Photography* [U,G]. 3 hrs. cr. M W F 2-4, plus darkroom work, (average two hours a day). J. Livingston-Dennis.

163 *Advanced Photography Workshop* [U,G]. 3 hrs. cr. M W F 2-4, plus darkroom work. J. Leonard.
210 *Creative Intermedia* [U,G]. 3 hrs. cr. M T W Th F 11-12:15. N. Daly.
234 *Life Drawing and Transfer Lithography* [U,G]. 3 hrs. cr. M T W Th F 8-10:30. A. Singer.
237 *Landscape Drawing and Hard-Ground Etching* [U,G]. 3 hrs. cr. M T W Th F 11-1. G. Pederson-Krag.
270 *Special Studios* [U,G]. Variable credit. Hours and credit by arrangement.

ASIAN STUDIES

333 *History of Japanese Poetry* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. D. McCann.

ASTRONOMY

105 *A Rough Sketch of Our World* [U]. 3 hrs. cr. M T W Th F 11-12:15. V. Mansfield.
106 *Essential Ideas in Relativity and Cosmology* [U]. 3 hrs. cr. M T W Th F 9:30-10:45. S. Malin.

ATMOSPHERIC SCIENCES

101 *Basic Principles of Meteorology* [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. B. E. Dethier.
202 *Dynamic Climatology* [U,G]. 3 hrs. cr. M T W Th F 11-12:15. B. E. Dethier.

BIOLOGICAL SCIENCES

100 *General Biology* [U]. 7 hrs. cr. M T W Th F 9:30-11:50; lab, M T W Th F 1:30-4:30. C. H. McFadden and staff.
300 *Laboratory Methods in Biology* [U,G]. 3 hrs. cr. M T W Th F 1:30-4. L. D. Uhler.
318 *Cellular Physiology* [U,G]. 3 hrs. cr. M T W Th F 11-12:15. M. Hinkle.
360 *General Ecology* [U,G]. 3 hrs. cr. M T W Th F 12:30-1:45. Afternoon field trips to be arranged. Staff.
389 *Vertebrate Developmental Anatomy (Embryology)* [U,G]. 3 hrs. cr. Lectures T 12:30, Laboratory W Th 12:30-3:15. A. W. Blackler.
463 *Plant Ecology* [U,G]. 4 hrs. cr. M W 8-10:30 and F 8-9:15. C. L. Mohler.
471 *Mammalogy* [U,G]. 4 hrs. cr. M W 2-4:30 and F 2-3:15. R. S. Gourley.
472 *Herpetology* [U,G]. 4 hrs. cr. T Th 2-4:30 and F 3:30-4:30. W. J. Mautz.
475 *Ornithology* [U,G]. 6 hrs. cr. M W F 8-9:15, plus morning field trips 5:30-8 and two weekend trips; lab M W F 2-4:30. A. J. Berger.
476 *Biology of Fishes* [U,G]. 4 hrs. cr. T Th 8-10:30 and F 9:30-10:45; laboratory to be arranged. Staff.
See also Special Programs in Marine Science.

BUSINESS AND PUBLIC ADMINISTRATION

590 *Communication for Administrators* [G]. 3 hrs. cr. M T W Th F 8-9:15. M. Morris.
See also C Art 301 Oral Communication.

CHEMISTRY

207 *General Chemistry* [U]. 4 hrs. cr. June 30-August 12. Lectures, M W F 12:20-2:15; labs and recitations, T Th 12:20-4:25. S. T. Marcus.
207 *General Chemistry* [U]. 4 hrs. cr. June 30-July 21. Lectures, M T W Th F 8-9:50; recitations T W Th 2-3; labs, M T W Th F 10-1. S. T. Marcus.
206 *General Chemistry* [U]. 4 hrs. cr. July 22-August 12. Lectures, M T W Th F 8-9:50. Recitations, T W Th 2-3. Labs, M T W Th F 10-1. S. T. Marcus.

CLASSICS

101 *Greek for Beginners* [U]. 3 hrs. cr. June 30-July 21. M T W Th F 8-9:15, 11-12:15; drill section, 1:30-3. D. Malone.
103 *Attic Greek* [U]. 3 hrs. cr. July 22-August 12. M T W Th F 8-9:15, 11-12:15; drill section 1:30-3. D. Malone.

Latin

105 *Latin for Beginners* [U]. 3 hrs. cr. June 30-July 21. M T W Th F 8-9:15, 11-12:15. P. Kirkwood.
106 *Latin for Beginners* [U]. 3 hrs. cr. July 22-August 12. M T W Th F 8-9:15, 11-12:15. C. Cavalier.
206 *Readings in Latin Poetry: Virgil and Ovid* [U,G]. 3 hrs. cr. M T W Th F 8-9:15. A. Edwards.

Classics

109 [also Engl 109] *An Introduction to Rhetoric: The Art of Speaking and Writing Well* [U]. 3 hrs. cr. M T W Th F 9:30-10:45. F. Ahl and R. Farrell.
119 *Alexander the Great* [U]. 3 hrs. cr. M T W Th F 9:30-10:45. M. Davis.
120 *Laughter and Catharsis in the Greek and Roman Theater* [U]. 3 hrs. cr. M T W Th F 8-9:15. F. Williams.

COMMUNICATION ARTS

301 *Oral Communication* [U,G]. 3 hrs. cr. M T W Th F 8-9:15. B. Earle.
See also *Business and Public Administration* 590, *Communication for Administrators* and *Special Program in Video Applications for the Professional*.

COMPARATIVE LITERATURE

103 *Inner Worlds, Outer Worlds, Other Worlds* [U]. 3 hrs. cr. Sec. 1, M T W Th F 11-12:15. B. Pedersen; Sec. 2, M T W Th F 12:30-1:45. Staff.
104 *The Modern Tradition* [U]. 3 hrs. cr. M T W Th F 9:30-10:45. W. J. Kennedy.
293 *Aspects of Modern Fiction* [U]. 3 hrs. cr. M T W Th F 9:30-10:45. A. Jones.
364 *The Modern European Novel* [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. W. Holdheim.
369 *Marriage and Divorce in Fiction* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. A. M. Kovacs.
See also *English and German Literature*.

COMPUTER SCIENCE

100 *Introduction to Computer Programming* [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45.
102 *Computer Programming with PL/1* [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45.
211 *Computers and Programming* [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45.
314 *Introduction to Computer Systems and Organization* [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45; lab time to be arranged.

ECONOMICS

101 *Introductory Macroeconomics* [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. J. Yoon.
102 *Introductory Microeconomics* [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. E. Carlson.
105 *Principles of Accounting* [U]. 3 cr. hrs. M T W Th F 11-12:15. E. Carlson.
311 *Intermediate Microeconomic Theory* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. R. Schuler.
312 *Intermediate Macroeconomic Theory* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. J. Yoon.
320 *Quantitative Methods* [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. K. Ohashi.
335 *Public Finance* [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. P. Pestleau.
352 *Industrial Organization* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. Staff.
371 *Economic Development* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. Staff.
665 [also Latin American Studies 665] *Workshop in Latin American Political Economy* [G]. 4 hrs. cr. M T W Th F 11-12:15. T. Davis.
See also ILR 344 and 140

EDUCATION

406 *Field Natural History* [U,G]. 3 hrs. cr. T Th 2-5:30. R. Alexander.
448 *Reading, Learning, and Study Skills* [U,G]. 3 hrs. cr. June 30-July 22. M T W Th F 8:30-10:45. W. Pauk.
512 *Standardized Tests: Use and Interpretation* [U,G]. 3 hrs. cr. June 30-July 22. M T W Th F 8-9:45; additional hours to be arranged. H. Andrus.
See also Psych 542 *Individual Intelligence Testing and Special Program in Education*.

ENGINEERING

Chemical Engineering
110 *Mass and Energy Balances* [U,G]. 3 hrs. cr. Self-paced, audiovisual instruction only, at the convenience of the student. R. G. Thorpe.
Mechanical Engineering
209 *Intermediate Technology* [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. B. Conta.
302 *Technology, Society, and the Human Condition* [U,G]. 3 hrs. cr. M T W Th F 11-12:15. B. Conta.
Operations Research and Industrial Engineering
260 *Introductory Engineering Probability* [U]. 3 hrs. cr. M T W Th F 8-9:15. D. Heath.
622 *Operations Research I* [G]. 3 hrs. cr. M T W Th F 9:30-10:45. L. Schruben.
See also Special Programs in Engineering.

ENGLISH

109 [also Class 109] *An Introduction to Rhetoric: The Art of Speaking and Writing Well* [U]. 3 hrs. cr. M T W Th F 9:30-10:45. F. Ahl and R. Farrell.
135 *Writing from Experience* [U]. 3 hrs. cr. Sec. 1, M T W Th F 8-9:15. Staff. Sec. 2, M T W Th F 9:30-10:45. H. Elias and staff.
136 *Practical Prose Composition* [U]. 3 hrs. cr. Sec. 1, M T W Th F 9:30-10:45. Staff. Sec. 2, M T W Th F 11-12:15. P. Sawyer and staff.

**Summer is a relaxed time
of year at Cornell, the
most pleasant time for
study and fun. Join us.**

137 *Workshop in Expository Writing* [U]. 1, 2, or 3 hrs. cr. D. Crabtree.
150 *Critical Approaches to Literature* [U,G]. 3 hrs. cr. M T W Th F 11-12:15. P. Marcus and staff.
157 *American Fiction* [U]. 3 hrs. cr. M T W Th F 8-9:15. Staff.
159 *American Culture and Literature* [U]. 3 hrs. cr. M T W Th F 9:30-10:45. T. Postlewait and staff.
166 *Films and Theatre* [U]. 3 hrs. cr. M T W Th F 12:30-1:45. J. Merod and staff.
166 *Films and Theatre* [U]. 3 hrs. cr. M T W Th F 12:30-1:45. J. Merod and staff.
202 *Major English Writers* [U]. 4 hrs. cr. M T W Th F 9:30-10:45.
240 *Summer Tutorial Program in Literature* [U]. 1, 2, or 3 hrs. cr. F. Cespedes.
252 *Joyce* [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. P. Marcus.
270 *The Reading of Fiction* [U]. 3 hrs. cr. M T W Th F 9:30-10:45. D. Schwarz and staff.
319 *Chaucer* [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. D. Rygiel.
327 *Shakespeare* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. I. Keller.
340 *Major Romantic Poets* [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. R. Parker.
362 *Whitman and Dickinson* [U,G]. 4 hrs. cr. M T W Th F 2-3:15. R. Morgan.
367 *The Modern American Novel* [U,G]. 4 hrs. cr. M T W Th F 11-12:15.
380 *Creative Writing Workshop* [U,G]. 4 hrs. cr. M T W Th F 11-12:15. S. Parrish.
401 *Criticism* [U,G]. 5 hrs. cr. M T W Th F 9:30-10:45. C. Thomsen.
475 *Science Fiction* [U,G]. 4 hrs. cr. M T W Th F 8-9:15. D. O'Connor.
796 *Directed Teaching and Research* [U,G]. 5 hrs. cr. By permission only.

GEOLOGICAL SCIENCES

101 Introductory Geological Science [U]. 3 hrs. cr. June 30-July 21. Lectures M T W Th F 9:30-11:20; lab, M T W Th 1:30-4. W. Brice.
102 Introductory Geological Science [U]. 3 hrs. cr. July 22-August 12. Lectures, M T W Th F 9:30-11:20; lab M T W Th 1:30-4. W. Brice.

GERMAN LITERATURE

350 Yiddish Literature in English Translation [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. S. Gilman.
357/633 Romanticism [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. U. Proffittich.

GOVERNMENT

100 Revolution [U]. 3 hrs. cr. M T W Th F 9:30-10:45. I. Kramnick.
111 American Government and Politics [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. E.W. Kelley.
131 Introduction to Comparative Government [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. Staff.
161 Freedom and Justice in the Western Tradition: An Introduction to Political Philosophy [U,G]. 3 hrs. cr. M T W Th F 11-12:15. E. J. Eisenach.
181 Introduction to International Relations [U,G]. 3 hrs. cr. M T W Th F 11-12:15. D. J. Driscoll.
329 Races, Education, and Politics [U,G]. 4 hrs. cr. M T W Th F 11-12:15. E. Kelley.
389 International Law [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. D. Driscoll.

HISTORY

152 Introduction to Western Civilization [U,G]. 4 hrs. cr. M T W Th F 2-3:15. L. P. Williams.
202 Introduction to American History from the Civil War to Recent Times [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. H. Kushner.
326 The Family in America [U,G]. 4 hrs. cr. M T W Th F 11-12:15. H. Kushner.
381 Historical Studies in the Development of Modern Science [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. L. P. Williams.

HISTORY OF ART

103 Seminar in Visual Analysis [U,G]. 3 hrs. cr. M T W Th F 8-9:15. R. G. Calkins.
210 Introduction to Art History: Beginnings of Civilization [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. J. Scott.
215 Introduction to Art History: Art of the Classical World [U,G]. 3 hrs. cr. M T W Th F 11-12:15. C. Straughan.
230 Introduction to Art History: Medieval Art [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. R. G. Calkins.
260 Introduction to Art History: Nineteenth and Twentieth Centuries [U,G]. 3 hrs. cr. M T W Th F 12:30-1:45. Staff.
270 Introduction to Art History: American Art [U,G]. 3 hrs. cr. M T W Th F 2-3:15. E. Lamb.

HUMAN DEVELOPMENT AND FAMILY STUDIES

115 Human Development: Infancy and Childhood [U]. 3 hrs. cr. M T W Th F 9:30-10:45. Staff.
116 Human Development: Adolescence and Adulthood [U]. 3 hrs. cr. M T W Th F 11-12:15. Staff.

HUMAN ECOLOGY

See Special Programs, Human Ecology Unit Courses.

INDUSTRIAL AND LABOR RELATIONS

140 Historical Development of Economic Institutions [U,G]. 3 hrs. cr. M T W Th F 12:30-1:45. G. Clark.
150 Survey of Industrial and Labor Relations [U,G]. 3 hrs. cr. M T W Th F 11-12:15. J. O. Morris.
300 Collective Bargaining [U,G]. 3 hrs. cr. T Th 7-10 p.m. M. Mironi.
344 Comparative Economic Systems: Soviet Russia and China [U,G]. 4 hrs. cr. M T W Th F 2-3:15. G. Clark.



371 Individual Differences and Organizational Behavior [U,G]. 4 hrs. cr. M T W Th F 8-9:15. L. Gruenfeld.
710 Introductory Statistics for the Social Sciences [G]. 3 hrs. cr. Lectures, M T W Th F 9:30-10:45; lab, two sessions each week to be arranged. I. Blumen.
720 Organizational Behavior I [G]. 3 hrs. cr. M T W Th F 9:30-10:45. L. Gruenfeld.
721 Organizational Behavior II [G]. 3 hrs. cr. M T W Th F 11-12:15. H. E. Aldrich.

LANDSCAPE ARCHITECTURE

102 Introduction to Landscape Architecture [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. R. L. Dwellie.
201 Fundamentals of Landscape Design [U,G]. 3 hrs. cr. M T W Th F 11-12:15. R. L. Dwellie.

LAW

See Special Programs in Law

MATHEMATICS

009 Precalculus [U]. 3 hrs. cr. M T W Th F 9:30-10:45. Staff.
107 Finite Mathematics with Applications [U]. 3 hrs. cr. M T W Th F 8-9:15. Staff.
111 Analytic Geometry and Calculus [U]. 3 hrs. cr. M T W Th F 8-9:15. Staff.
112 Analytic Geometry and Calculus [U]. 3 hrs. cr. M T W Th F 9:30-10:45. 2-3:15. Staff.
122 Calculus [U]. 3 hrs. cr. July 22-August 12. M T W Th F 9:30-10:45. 2-3:15. Staff.
200 Basic Concepts of Mathematics [U,G]. 3 hrs. cr. M T W Th F 11-12:15. Staff.
213 Calculus [U,G]. 3 hrs. cr. M T W Th F 11-12:15. Staff.
331 Linear Algebra [U,G]. 4 hrs. cr. M T W Th F 11-12:15. Staff.
370 Elementary Statistics [U,G]. 4 hrs. cr. M T W Th F 9:30-10:45. Staff.

MICROBIOLOGY

290 General Microbiology, Lectures [U,G]. 3 hrs. cr. M T W Th F 11-12:15. Staff.
291 General Microbiology, Laboratory [U,G]. 3 hrs. cr. M T W Th F 2-4:30. Staff.

MODERN LANGUAGES AND LINGUISTICS

Linguistics

101 Introduction to the Scientific Study of Language [U,G]. 3 hrs. cr. M T W Th F 12:30-1:45. Staff.
214 Linguistics and the Teaching of English [U,G]. 6 hrs. cr. M T W Th F 8-11. Staff.

French

101 French Basic Course I [U]. 6 hrs. cr. M T W Th F 8. Twenty hours of instruction per week. Staff.
102 French Basic Course II [U]. 6 hrs. cr. M T W Th F 8. Twenty hours of instruction per week. Staff.
131 French Elementary Reading Course I [U,G]. 3 hrs. cr. M T W Th F 8. June 30-July 21. Twenty hours of instruction per week. Staff.
132 French Elementary Reading Course I [U,G]. 3 hrs. cr. M T W Th F 8. July 22-August 12. Twenty hours of instruction per week. Staff.
203 Intermediate Conversation and Composition [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45; lectures, T Th 2-2:50. Staff.

German

101 German Basic Course I [U]. 6 hrs. cr. M T W Th F 8. Twenty hours of instruction per week. Staff.
131 German Elementary Reading Course I [U,G]. 3 hrs. cr. M T W Th F 8. June 30-July 21. Twenty hours of instruction per week. Staff.
132 German Elementary Reading Course I [U,G]. 3 hrs. cr. M T W Th F 8. July 22-August 12. Twenty hours of instruction per week. Staff.
203 Intermediate Conversation and Composition [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45; lectures, T Th 2-2:50. Staff.

Japanese

100 Introductory Course [U]. 6 hrs. cr. M T W Th F 8:30-11:30, 12:30-3:30 (including two hours of tape listening). Staff.

Russian

203 Intermediate Conversation and Composition [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45; lectures, T Th 2-2:50. Staff.

Spanish

101 Spanish Basic Course I [U]. 6 hrs. cr. M T W Th F 8. Twenty hours of instruction per week. Staff.
102 Spanish Basic Course II [U]. 6 hrs. cr. M T W Th F 8. Twenty hours of instruction per week. Staff.
203 Intermediate Conversation and Composition [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45; lectures, T Th 2-2:50. Staff.
 See Special Programs, Asian Languages.

MUSIC

102 Music with Words [U]. 3 hrs. cr. M T W Th F 9:30-10:45. T. A. Sokol.
104 Symphony [U]. 3 hrs. cr. M T W Th F 2:30-3:45. H. A. Orlov.
111 Summer Session Choir [U]. 1 hr. cr. Rehearsals: Tues. evenings 7:15-9 p.m.; Sunday mornings 9:30. D. R. M. Paterson.
141 Rudiments of Music [U]. 3 hrs. cr. M T W Th F 11-12:15. D. R. M. Paterson.

NATURAL RESOURCES

215 Attitudinal Aspects of our Environmental Dilemma [U,G]. 3 hrs. cr. M T W Th F 11-12:15. M. Heiman.
222 Environmental Conservation [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. S. D. McRae.
333 Ecological Basis of Resources Science [U,G]. 3 hrs. cr. M T W Th F 2-3:15. S. D. McRae.
 See also Special Programs.

PHILOSOPHY

101 Introduction to Philosophy [U]. 3 hrs. cr. M T W Th F 9:30-10:45.
131 Logic: Evidence and Argument [U]. 3 hrs. cr. M T W Th F 11-12:15.
145 Contemporary Moral Issues [U]. 3 hrs. cr. M T W Th F 12:30-1:45.

PHYSICS

112 Physics I: Mechanics and Heat [U]. 4 hrs. cr. Lectures and discussion, M T W Th F 11-12:15; lab, T Th 2-5.
213 Physics II: Electricity and Magnetism [U]. 4 hrs. cr. Lectures and discussion, M T W Th F 9:30-10:45; lab, T Th 2-5.
214 Physics III: Optics, Waves, and Particles [U]. 4 hrs. cr. Lectures and discussion, M T W Th F 11-12:15; lab, T Th 2-5.
400 Independent Study in Physics: Advanced Experimental Physics [U]. 3 hrs. cr. TBA.
500 Informal Graduate Laboratory [G]. 1 or 2 cr. hrs. Lab, M T W Th F 2-5.

PSYCHOLOGY

101 Introduction to Psychology: Explorations into Psychology and Life [U,G]. 3 hrs. cr. M T W Th F 11-12:15. M. Haltom.
123 Introduction to Psychology: Biopsychology [U,G]. 3 hrs. cr. M T W Th F 8-9:15. K. Immier.
124 Introduction to Psychology: The Cognitive Approach [U,G]. 3 hrs. cr. M T W Th F 12:30-1:45. R. Evans.
128 Introduction to Psychology: Personality and Social Behavior [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. S. C. Jones.
215 Psychology and Language [U,G]. 3 hrs. cr. M T W Th F 2-3:15. D. Hille.
286 [also Soc 286] Nonverbal Behavior and Communication [U,G]. 3 hrs. cr. M T W Th F 12:30-1:45. L. Meltzer.
313 Cognitive Processes [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. S. Kemper.

330 Selected Problems in Psychopathology and Society: Alcohol and Drug Abuse

[U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. C. Eddy.
331 Existential Psychology [U,G]. 3 hrs. cr. M T W Th F 12:30-1:45. L. Parker.
381 Social Psychology [U,G]. 3 hrs. cr. M T W Th F 12:30-1:45. J. Nyce.
385 Theories of Personality [U,G]. 3 hrs. cr. M T W Th F 11-12:15. B. Tesler.
469 Psychotherapy: Its Nature and Influence [U,G]. 3 hrs. cr. M T W Th F 9:30-10:45. R. Mack.
472 Introduction to Transactional Analysis [G]. 2 hrs. cr. T Th 7:30-10:30 p.m. L. Jasper.

RURAL SOCIOLOGY

See Special Programs in Agriculture

SEMITIC LANGUAGES AND LITERATURES

101 Elementary Hebrew [U,G]. 6 hrs. cr. M T W Th F 9-10:45, 11-12:30. D. Vardi.

SOCIOLOGY

101 Introduction to Sociology [U]. 3 hrs. cr. M T W Th F 12:30-1:45. C. Russell.
245 Inequality in America [U]. 3 hrs. cr. M T W Th F 11-12:15. S. Harlan.
246 Sociology of Sport [U]. 3 hrs. cr. M T W Th F 2-3:15. L. Kraft.
248 Political Sociology [U]. 3 hrs. cr. M T W Th F 9:30-10:45. B. Wallisch-Prinz.
251 Sociology of Art [U]. 3 hrs. cr. M T W Th F 9:30-10:45. K. Hazzard.
252 Public Opinion [U,G]. 3 hrs. cr. M T W Th F 12:30-1:45. A. Bibilowicz.
254 Religion and Society in America [U]. 3 hrs. cr. M T W Th F 2-3:15. R. Haupt.
255 The Technological Society [U]. 3 hrs. cr. M T W Th F 11-12:15. E. Hackett.
285 Personality and Social Systems [U]. 3 hrs. cr. M T W Th F 9:30-10:45. R. Grosser.

THEATRE ARTS

287 Summer Acting Workshop [U,G]. 3 hrs. cr. Sec. 1, M T W Th F 9:30-10:45. J. Wilson. Sec. 2, M T W Th F 11-12:15. S. Cole.
300 Directed Studies [U,G]. Credit and hours to be arranged.
475 Seminar in the Cinema [U,G]. 3 hrs. cr. T Th 12:30-3. D. Fredericksen.
 See also Classics 120 and English 166.



EIGHT-WEEK SESSION June 20 - August 12

BIOLOGICAL SCIENCES

311 Principles of Biochemistry, Lectures [U,G]. 4 hrs. cr. M T W Th F 8-9:15. Staff.

CHEMISTRY

251 Introduction to Experimental Organic Chemistry [U]. 2 hrs. cr. Eight weeks, June 20-August 12. Lab, T Th 1:25-4:25; lab-lectures, M W 10-10:50.
251 Introduction to Experimental Organic Chemistry [U]. 2 hrs. cr. Four weeks, June 20-July 15. Lab, M T W Th 1:25-4:25, F 8-11; lab-lectures, M T W Th F 11-12.
252 Introduction to Experimental Organic Chemistry [U]. 2 hrs. cr. July 18-August 12. M T W Th F 1:25-4:25, F 8-11; lab-lectures M T W Th F 11-12.
253 Elementary Organic Chemistry [U]. 4 hrs. cr. Lectures, M T W Th F 8-9:50.

ENGINEERING

Chemical Engineering
110 Mass and Energy Balances [U,G]. 3 hrs. cr. Self-paced, audiovisual instruction only, at the convenience of the student. R. G. Thorpe.

MATHEMATICS

192 Calculus [U]. 4 hrs. cr. M T W Th F 8-9:50. Staff.
294 Engineering Mathematics [U]. 3 hrs. cr. M T W Th F 8-9:50. Staff.

PHYSICS

101 General Physics [U]. 4 hrs. cr. June 20-July 15. One group meeting on June 20, 9:30-10:45.
102 General Physics [U]. 4 hrs. cr. July 18-August 12.
500 Informal Graduate Laboratory [G]. 1 or 2 hrs. cr. TBA.
510 Advanced Experimental Physics [G]. 3 hrs. cr. M T W Th F 2-5.



SPECIAL PROGRAMS

The following Special Programs of the Summer Session are often scheduled for periods not consistent with the regular sessions offerings. Tuition rates, application procedures, registration processes, and so forth also may vary. For Special Programs offering academic credit, the courses are listed where known. The individual or department to contact for information and applications is indicated for each program.

ACADEMIC SKILLS PROGRAM

June 28-August 12
 Contact: Charles W. Jermy, Jr., 105 Day Hall

ADVANCED PLACEMENT PROGRAM FOR SECONDARY SCHOOL JUNIORS

June 28-August 12
 Contact: Charles W. Jermy, Jr., 105 Day Hall

AEROSPACE STUDIES (AFROTC)

June 6-August 12
 Contact: Professor of Aerospace Studies, 113 Barton Hall.

The following courses are to be offered on a directed study basis. Times and exact dates to be arranged.
AS 211 Development of Air Power [U]. 1 hr. cr.
AS 212 Development of Air Power [U]. 1 hr. cr.
AS 361 National Security Forces in Contemporary American Society [U]. 3 hrs. cr.
AS 362 National Security Forces in Contemporary American Society [U]. 3 hrs. cr.
AS 431 Management and Leadership [U]. 3 hrs. cr.
AS 432 Management and Leadership [U]. 3 hrs. cr.

AGRICULTURAL AND OCCUPATIONAL EDUCATION

July 4-August 5
 Contact: A. L. Berkey, 202 Stone Hall

One-Week Courses: July 4-8

Ag En 414 Planning, Operation, Maintenance, and Repair of Dairy Equipment Systems [U,G]. 1 hr. cr. M T W Th F 9-12, M T W Th 1-4. Staff.
Larch 441 Constructing Landscape Features [U,G]. 1 hr. cr. M T W Th F 9-12:30, T W Th 1:30-4.

Three-Week Courses: July 11-29

Agron 651 Special Topics in Crop Science: Production Practices for Field Crops [U,G]. 2 hrs. cr. M T W Th F 10-11:50. Staff.
Ag En 499 Small Gasoline Engine Maintenance and Repair [U,G]. 2 hrs. cr. M T W Th F 8-9:50; M T Th 1-4. F. G. Lechner.
Educ 532 Methods and Materials of Teaching Agricultural and Occupational Education [U,G]. 2 hrs. cr. M T W Th F 10-11:50. A. L. Berkey.
Educ 730 Seminar in Agricultural and Occupational Education [U,G]. 2 hrs. cr. M T W Th F 8-9:50. W. Drake, H. Cushman, and J. Ball.

One-Week Course: August 1-5

Educ 433 Special Problems in Occupational Education: Adviser Training for Occupational Youth Organization Programs [U,G]. 1 hr. cr. M T W Th F 9-12, 1:30-3:30. J. Ball, R. Jones, and A. Berkey.

July 4-August 5

The following courses are available any or all weeks of the program: **Educ 500 Informal Study in Education** [U,G]. Credit, hours, and dates to be individually arranged.
Educ 600 Internship in Education [U,G]. Credit, hours, and dates to be arranged.



KEYS TO AGRICULTURAL DEVELOPMENT AT THE LOCAL LEVEL

July 24-August 5
Contact: L. W. Zuidema, 252 Roberts Hall.
R Soc 671 Informal Study [G]. 2 hrs. cr.

SMALL FARM AGRICULTURE AND CROPPING SYSTEMS
August 3-26
Contact: James Converse, 17 Warren Hall
R Soc 703 Agricultural Organization and Rural Development [U,G]. 3 hrs. cr. M T W Th F 9-12. J. Converse.

CORNELL BLACK AGRICULTURALISTS - SUMMER '77
June 20-August 12
Contact: D. Graham, 16 Roberts Hall
R Soc 491 Informal Study [U,G]. 3 hrs. cr.

ALUMNI UNIVERSITY
Our Times: Trends, Traditions, and New Frontiers
July 10-August 6
Contact: G. M. McHugh, 158A Olin Hall.

The Inner Frontier: People and Their Institutions
July 10-16 and July 24-30

The Creative Frontier: What's Happening in the Arts
July 17-23 and July 31-August 6

Ornithology Field Seminar
June 5-11 and June 12-18

Backyard Birding
July 10-16

Field Natural History A
July 10-16

Historic Preservation in the Finger Lakes: A Unique Upstate Environment
July 10-16

Gourmet Cooking
July 10-16 and July 17-23

Nature Photography
July 17-23

Collective Bargaining Workshop
July 17-23

Field Natural History B
July 24-30

Horticulture for Enthusiastic Gardeners
July 24-30

Opera: Its Pleasure and Problems
July 24-30

A Prelude to Wild Foods
July 31-August 6

Urban Affairs Workshop
July 31-August 6

The Literature of the Eastern European Jews
July 31-August 6

AQUATIC FIELD ECOLOGY PROGRAM
June 6-July 8
Contact: Dr. John Forney, 118 Femow Hall
N Res 630 Aquatic Field Ecology [U,G]. 5 hrs. cr.

ARCHAEOLOGICAL FIELD PROGRAM IN HONDURAS
June 6-August 12
Contact: John S. Henderson, 260 McGraw Hall
Anthr 388 Archaeological Research Methods [U,G]. 4 hrs. cr.
Anthr 389 Field Archaeology in Mesoamerica [U,G]. 6 hrs. cr.

Take a course in the three-week session and still have time for travel or a summer job...



ARCHITECTURAL SURVEYING FOR ARCHAEOLOGISTS
June 9-August 24
Contact: W. W. Cummer, 105 Day Hall
Arch 484 Practice in Architectural Aspects of Archaeological Field Work [U,G]. 4-6 hrs. cr. W. W. Cummer.

INTRODUCTORY PROGRAM IN ARCHITECTURE
June 28-August 12
Contact: Director, Introductory Program in Architecture, 105 Day Hall

SUMMER ARCHITECTURE DESIGN PROGRAM
Schedule for Design Programs offered:
8 weeks, 8 hours credit: June 6-July 29
6 weeks, 6 hours credit: June 6-July 15
Contact: Mario L. Schack, 143 East Sibley Hall
Arch 200, 201, 202 Elective Design [U]. 6 hrs. cr. each. M T W Th F 9-12, 1-5
Arch 301, 302 Design V, Design VI [U]. 6 hrs. cr. each. M T W Th F 9-12, 1-5
Arch 401, 402, 501 Design VII, Design VIII, Design IX, [U]. 8 hrs. cr. each. M T W Th F 9-12, 1-5
Arch 601, 602 Special Program [U]. 8 hrs. cr. each. M T W Th F 9-12, 1-5
Arch 630, 631 Advanced Seminar in Architecture [U]. 1 hr. cr. each. To be arranged.
Arch 711, 811 Problems in Architectural Design [G]. 9 hrs. cr. each. M T W Th F 9-12, 1-5.
Arch 730 Architectural Theory [G]. 3 hrs. cr. To be arranged.

ASIAN LANGUAGE PROGRAM
June 13-August 5
Contact: Eleanor H. Jordan (Japanese) or John H. McCoy (Chinese), Morrill Hall.
Chin 160 Introductory Intensive Chinese [Mandarin] [U,G]. 10 hrs. cr. M T W Th F 8:30. J. McCoy and staff.
Japan 160 Introductory Intensive Japanese [U,G]. 10 hrs. cr. M T W Th F 8:30. R. Sukle and staff.
Japan 121-122 Accelerated Introductory Japanese [U,G]. 5 hrs. cr. each. M T W Th F 8:30. R. Sukle and staff.

SUMMER DANCE PROGRAM
June 1-30
Contact: Director, Summer Dance Program, 105 Day Hall.

THE DOCUMENTARY IMPULSE: A WORKSHOP IN DOCUMENTARY PHOTOGRAPHY AND WRITING
June 6-28
Contact: The Documentary Impulse, 105 Day Hall.
Govt 399 Documentary as a Way of Seeing and Persuading [U,G]. 4 hrs. cr. E. Kenworthy, H. Wallis.

THE SPECIAL PROGRAM IN EDUCATION
Contact: Summer Study Coordinator, Department of Education, Stone Hall.
Scheduled Courses:
Educ 546 Evaluation for Program Management [G]. 2 hrs. cr. M T W Th F 9-3:30. June 20-24. R. L. Bruce, W. E. Drake, E. Beamish, L. M. Fadale, G. M. Winter.
Educ 615 Seminar in Career and Developmental Counseling: Adult Counseling [U,G]. 2 hrs. cr. M T W Th F 9-3:30. June 27-July 1. H. C. Veres, L. M. Fadale.
Educ 744 Special Program in the Improvement of College Teaching [G]. 2 hrs. cr. M T W Th F 9-3:30. June 13-17. J. P. Ball, E. E. Beamish, A. Beilby, R. L. Bruce, H. R. Cushman, D. B. Gowin, D. E. Hedlund, J. Maas, J. Milman, G. J. Posner, J. D. Novak.
Educ 400 Field Experience [U]. 1-4 hrs. cr. Staff.
Educ 600 Internship in Education [G]. 2-6 hrs. cr. Staff.
Educ 500 Informal Study [U,G]. Credit to be arranged. Staff.

WORKSHOP IN ELEMENTARY SCHOOL SCIENCE
July 11-15
Contact: Verne Rockcastle, 105 Day Hall.
Educ 607 Workshop in Elementary Science [G]. 1 hr. cr. M T W Th F 9-12, 1-4. V. Rockcastle.

ENGINEERING COOPERATIVE PROGRAM - Summer Term
May 30-August 27
Contact: Director of Engineering Cooperative Program, Upson Hall.

ENGINEERING SHORT COURSES
Contact: R. H. Lance, Associate Dean, College of Engineering, Carpenter Hall.

ENGLISH AS A SECOND LANGUAGE
June 29-August 12
Contact: Director, English as a Second Language, 105 Day Hall.
Engl 102 English as a Second Language [U,G]. 6 hrs. cr. Twenty hours of instruction per week. M. A. Martin.

FRESHMAN SUMMER START PROGRAM
June 29-August 12
Contact: J. Merod, 105 Day Hall.
Engl 166 Films and Theatre [U]. 3 hrs. cr. M T W Th F 12:30-1:45. J. Merod.

SUMMER PROGRAM IN GERMANY
June 1-July 28
Contact: Sander L. Gilman, 172 Goldwin Smith.
Germ 296 Summer Course in Germany [U,G]. 3 to 4 hrs. cr. as arranged.
Germ 299 Summer Course in Germany [U,G]. 3 to 4 hrs. cr. as arranged.

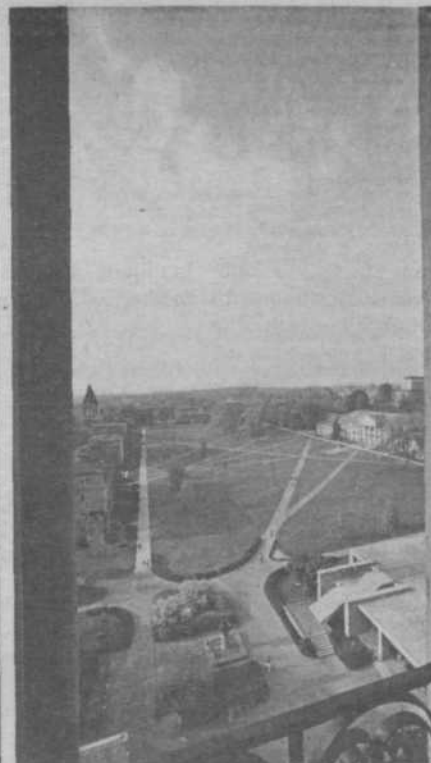
HISTORIC PRESERVATION PLANNING INSTITUTE
June 12-17
Contact: Michael Tomlin, 726 University Ave.
Arch 545 Design and Conservation [U,G]. 1 hr. cr.

HOTEL AND RESTAURANT ADMINISTRATION
June 20-August 5
Contact: Administrative Aid, Summer School of Hotel Administration, W105 Statler Hall.

HUMAN ECOLOGY UNIT COURSES
Community Service Education
Contact: Jane Pedersen, Martha Van Rensselaer Hall.
June 6-July 29
CSE 471 Social Work Practice [U,G]. 9 hrs. cr. M 1:30-4:30. C. Shapiro and staff.
Field Study
June 30-August 12
Contact: Kathe Evans, Martha Van Rensselaer Hall
ID 409 Organizational Dimensions of the Network of Health and Human Services [Upstate New York] [U]. 6 hrs. cr. K. Evans.
Nutritional Sciences
July 18-29
Contact: M. H. Pimentel, Martha Van Rensselaer Hall
NS 605 Recent Advances in Nutritional Biochemistry and Human Nutrition [G]. 2 hrs. cr. M T W Th F 9-12, 1-4. T. Dills and staff.

INTRODUCTION TO LANDSCAPE ARCHITECTURE
June 6-July 1
Contact: L. Mirin, B-40 E. Sibley Hall
CRP 689 Landscape Architecture [G]. 6 hrs. cr. M T W Th F Section 1, History, Theory, and Scope, 9:30-12. Section 2, Techniques and Applications, 1:30-4. L. Mirin and staff.

CORNELL LAW SCHOOL PRELAW PROGRAM
June 27-August 9
Contact: Judith T. Younger, Myron Taylor Hall.
Law 495 The Adversarial Process [U]. 3 hrs. cr. M T W Th F 11-12:15. I. Younger.
Law 496 Torts [U]. 3 hrs. cr. M T W Th F 9:30-10:45. A. Gunn.
Law 497 Family Law [U]. 3 hrs. cr. M T W Th F 9:30-10:45. W. T. Dean.
Law 498 Issues in Property Law [U]. 3 hrs. cr. M T W Th F 9:30-10:45. J. T. Younger.



CORNELL LAW SCHOOL CONTINUING LEGAL EDUCATION
July 10-15 and July 17-22
Contact: Judith T. Younger, Myron Taylor Hall

WORKSHOP IN PROPOSAL WRITING AND GRANT APPLICATION PROCEDURES
July 10-15
Contact: Summer Session, 105 Day Hall.

MARINE SCIENCE PROGRAM
June 2-29 and July 22-August 18
Contact: Shoals Marine Laboratory, 202 Plant Science Building.
Bio S 363 Introductory Marine Science for Teachers [U,G]. 1 hr. cr. Three sections: June 30-July 6; July 7-13; July 14-20.
Bio S 364 Introduction to Marine Science [U,G]. 5 hrs. cr. June 2-29 or July 22-August 18. J. M. Kingsbury and staff.
Bio S 365 Underwater Research [U,G]. 1 hr. cr. July 7-13.
Bio S 409 Research in Biology [U,G]. Credit to be arranged. June 2-August 18.

MILITARY SCIENCE (AROTC)
June 6-24 or July 11-29
Contact: Cpt. Matthews, 101 Barton Hall.
MS 299 Army ROTC Basic Course [U,G]. Non-credit.

PSYCHOLOGY AND FOOD SERVICE SYSTEMS
June 6-June 28
Contact: R. Mack, 105 Day Hall.
Psych 363 [also NS 303] Psychology and Food Service Systems [U,G]. 3 hrs. cr. M T W Th F 10-12:30 H. Meiselman.

VIDEO APPLICATIONS FOR THE PROFESSIONAL
June 6-28 or June 29-August 12
Contact: Shirley White, Communication Arts Grad. Center, 640 Stewart Ave.
C Arts 460 Video Applications for the Professional [G]. 1 hr. cr. per module.
Module I The VTR Portapac June 6-9, 13-16, or 20-23. 9-12. June 10-12, 17-19, or 26-28. 9-1.
Module II Studio Production June 13-16 or 20-23. 9-12.
Module III Video Editing June 13-16 or 20-23. 9-12.
Module IV Field Experience June 23-25.
C Arts 461 Video for the Professionally Oriented [G]. 3 hrs. cr. June 29-August 12. M T W Th F 9-11.
C Arts 462 Writing for Broadcast [G]. 3 hrs. cr. June 29-August 12. M T W Th F 2-4.



The 1977 Announcement will be published in March. Course and program descriptions are available now at

Cornell University
Summer Session
105 Day Hall
Ithaca, N.Y. 14853
Telephone 607 / 256-4987

Interactive Computing Short Course Offered

A short course titled "Introduction to Interactive Computing with CMS" will be offered jointly by the Computer Science Department and the Office of Computer Services from Jan. 31 to Feb. 25.

The class, which will meet for one hour at 2:30 p.m. Mondays, Wednesdays and Fridays, will emphasize practical aspects of computing and is open to both staff and students. Concepts of interactive computing using the editor, data management, utility commands, remote job submission, interactive

language processors and the EXEC facility will be covered.

Students register for the one credit course by taking an add slip from their college to the Computer Science Department, Upson 422, to be signed and returned to their college. Staff register through the Extramural Office, Day 105, or interested persons may sign up for the class without credit in Uris Hall G-24.

For further information, telephone Mariann Carpenter at 256-7341.

'America and World Community' Course

"America and World Community," a multidisciplinary course in its fourth semester at Cornell, is open to all interested persons without charge, according to Robert W. Beggs, coordinator.

Seven Cornell faculty members plus guest lecturers from India, Japan and the United States will discuss such topics as "Interdependencies of Global Population, Food, Economic Growth

and Man's Control of the Environment," "World Religions and World Community" and "Beyond the Myth of Underdevelopment and a Search for Liberation."

The course is held from 7:30 to 9 p.m. Mondays and Wednesdays at the One World Room at Anabel Taylor Hall. Further information may be obtained by calling Beggs at 256-4864.

Special Living Units Applications Due Soon

Undergraduates wishing to live in one of the University's six special project units during the 1977-78 academic year, Risley College for instance, must apply as soon as possible.

All selections and room assignments will be completed by Tuesday, March 1. Deadlines for submitting applications vary with each unit. Applications may be obtained from the units, the Dean of Students Office in Barnes Hall or any of the student unions.

The units, which are centered around intellectual, cultural and social themes, are — in addition to Risley — Ecology House (Hurlburt House); International Living Center (North Campus Residences, House 8); Sperry Community (Sperry Hall); Ujamaa Residential College (North Campus Residences, House 10) and

Transfer Center (Clara Dickson Hall).

A detailed description of the themes of each unit are available with application forms. There are a total of about 800 places in the units. The number of new openings each year varies based on the number of hold-over occupants.

Selections for the units will be completed before the regular undergraduate room allocations for 1977-78 are made, so persons who do not get in special units may apply for regular on-campus housing.

A 16-page booklet covering all room allocations procedures has been distributed to students now living on campus. Students living off campus and who wish to apply for on-campus housing may obtain a copy of the procedures at the Dean of Students Office.

Students Vehicles Must Be Registered Now

All new and rejoining Cornell students who will be operating motor vehicles and who have not previously registered them with the Traffic Bureau at 115 Wait Ave. must do so, according to Richard J. Mooney, appeals and program officer.

Commuting student permits (C-SA), which allow students to park in "A" lot, will be available for purchase at the time of vehicle registration and are available for the first time to any Cornell student.

Students may also inquire about the availability of other parking permits during regular business hours of the Traffic Bureau (8 a.m. to 4 p.m., Monday through Friday).

The Traffic Bureau will have special hours from 9 a.m. to noon, Saturday, Jan. 22, to assist students in vehicle registration.



The winning team in the first annual Cornell MBA Tournament Jan. 13 through 15 was from Cornell's Graduate School of Business and Public Administration (B&PA). Eight of the nation's leading graduate schools of business took part. From left are Patrick W. Jeffries, Thomas H. Mulligan, Nancy K. Read and Richard Tushingham.

Business and Public Administration Tournament

Cornell Team Wins First

With a bit of embarrassment, four students in the Graduate School of Business and Public Administration (B&PA) won the first annual Cornell MBA Tournament in competition with students from some of the nation's leading graduate schools of business.

How could such an accomplishment be an embarrassment? Look at the circumstances. The tournament was conceived and run by fellow students of the winning team in the B&PA school where the tournament took place Jan. 13 through 16.

But the saving circumstance for the winners, as well as the other contestants, was the knowledge of

who the judges were and that half the 1,000 total points possible had to be awarded without knowing the school affiliation of each team.

The judges were Malcolm Forbes Jr., treasurer of Forbes Magazine; Henry Mintzberg, professor of business policy, McGill University; Elmer Robinson, vice president, Borg Warner Corporation; Max Sporer, partner, Touche, Ross & Co., and Charles Summer, professor of business policy, Washington University.

The runnerup teams in the tournament were the Graduate School of Industrial Administration, Carnegie-Mellon University and Northwestern University Graduate

School of Management. The other teams were from The Graduate School of Business, University of Chicago; The Amos Tuck School of Business Administration, Dartmouth University; Graduate School of Business Administration, the University of Michigan; Sloan School of Management, Massachusetts Institute of Technology; and The Wharton School of Finance, University of Pennsylvania. According to the rules, the scores of each team including the winners were kept secret by the judges.

The tournament was conducted with funds provided by Chase Manhattan Bank and dealt with each team's proposed solution to a business problem.

The case was based on a real business problem that faced a publishing house in 1974. It was prepared by a Harvard Business School professor and was posed for the first time to the competing teams on the opening day of the tournament.

The key executive involved in the actual business problem was present at the closing dinner of the tournament, much to the amazement of the competitors. He engaged in a lengthy question-and-answer session with the students and even invited one of the Cornell team members for a job interview. Since the business crisis he faced in 1974, the executive has been promoted to the presidency of a larger subsidiary of the parent conglomerate for which he works.

The oral arguments in which the eight teams defended written solutions took nearly eight hours. About 40 executives and recruiters from firms across the country sat through the entire series of presentations — talent scouts at a all-star bowl game for business students.

The members of the winning team were Patrick W. Jeffries of Omaha, Neb.; Thomas H. Mulligan, of Middlesex, N.Y.; Richard Tushingham and Nancy K. Reed, of Ithaca.

Cornell Is Recruiting To Fill Albany Office

An Albany-based legislative and governmental relations assistant is being sought by Cornell University's vice president for land grant affairs.

Constance E. Cook, a former member of the New York State Assembly, who was recently named to the land grant vice presidency, said recruiting for the new position has begun.

Cook's assistant will keep her informed of legislation and budget decisions which affect Cornell, attend meetings on her behalf and respond to requests for information about the University.

To fill the position, the University is seeking a person with experience in a budget office or legislative finance committee and who has several years experience working with the legislature, or similar background, according to Cook.

The individual will work full-time in Albany.

"Particularly since my own office is in Ithaca," Cook said, "there is a need for someone based in Albany who can assure that Cornell is fully informed about developments in state government."

Night Buses Continue

Evening bus runs have been resumed on campus and will continue at least until April 1, according to the Department of Transportation.

There is no charge for riding the buses, which run from 6:30 to 11:30 p.m. nightly. The 10-cent fee which was charged during the fall has been dropped in order to in-

crease ridership on the evening buses, according to David W. Brown, director of the department.

The route has been expanded for this term. Where buses previously made their easternmost stop at the corner of Tower and Garden, they now will extend the run to the College of Veterinary Medicine.

'Bulimarexics' Look Thin but Feel Fat

Continued from Page 1

many more Cornell women also were locked into the fasting-bingeing cycle. So she inserted an ad in the Cornell Daily Sun, which began "Attention Food Bingers," and which said that group sessions were being formed to work on the problem.

The ad ran for one week in both the spring and fall terms. Some 60 women and four men from Cornell, Ithaca College and the community responded to it. "The ad itself was therapeutic," Lodahl said. "Many women told us how relieved they were to learn that theirs was not a unique problem, that other women suffered with it, too."

"Isolation — that's what's so dangerous about this symptom," she continued. Most bulimarexics eat privately, even furtively, for fear that they will be unable to control their gorging impulses if they eat publicly. After they binge on food for several days, some resort to fasting, others to purgative behavior, such as laxative abuse or self-induced vomiting.

But where does it all begin? The traditional Freudian psychoanalytic view of the anorexic, Lodahl said, is that her self-starvation is prompted by a fear of oral impregnation, while refusal to eat or admit to feelings of hunger is interpreted as a rejection of her femininity. The fact that many anorexics are afraid of sexual relations with men was seen as a further denial of femininity.

Hatred of the domineering mother, who appears in the case histories of most anorexics and bulimarexics, is seen as causing the victim to resist becoming a mature woman, using food as her weapon of resistance.

Lodahl and Sirlin reject this "rather metaphorical thinking." They found that the women they worked with were aware of their bad feelings about their mothers, and spoke of such feelings with regret. Although some of the women reported having the common adolescent fear of becoming pregnant by kissing, as adults they engaged in frequent petting or kissing.

Bulimarexics, Lodahl said, are for the most part "good daughters" who tried hard as children to please their parents, and who were taught to find fulfillment in the good opinions of men, rather than in self-development and awareness. Their mothers are generally intelligent, well-educated women who never pursued careers or who abandoned them in order to raise a family, and had, as a result, invested many of their personal ambitions in their daughters.

On the basis of these and other observations, Lodahl and Sirlin concluded "that the gorging behavior was not due to a twist in what has been represented as the innate psychology of the female, but due to the values with which the more affluent

classes inculcate their daughters ... We concluded that we were not dealing with a strictly psychiatric problem but one that was inextricably tied to the process of female socialization and its reinforcement by the media's steady bombardment of 'ideal' female images."

Lodahl added that the four men who responded to the 1973 advertisement had faced similar pressures, through parental insistence on achievement in sports.

The traditional treatment of the anorexic has been through analysis aimed primarily at getting the woman to accept her passive, socially predetermined role. "If you follow a traditional psychoanalytic approach, you reinforce those factors which were causative in the first place," said Lodahl, who believes that the best form of treatment is the group therapy session, led by a woman.

"The group immediately begins to tear down the feelings of isolation that the bulimarexic has," she said. "Women group leaders are important for several reasons. First, as role models. Second, to give the women a positive experience with another woman to counteract the negative experiences they have had with their own mothers. And third, and perhaps most important, because the conditioned need to win approval from men in these women would make them compete for a male therapist's attention, and thereby reinforce the bulimarexic's unrealistic expectations of men and notions of her own helplessness."

The main goal of the group sessions is to increase the women's feelings of self-worth, to wean them from the idea that all their problems would be solved if only they could find the right man. Sessions also are devoted to showing group members the limited ways in which our culture teaches women to perceive and use their bodies. Athletic and other movement activities outside the group are encouraged.

Lodahl and Sirlin's confidence in the group therapy technique has been confirmed by the progress they observe in group members, a progress noticeably lacking when traditional treatment methods have been followed.

Some group members began eating in public for the first time in years. One who joined the group weighing 82 pounds allowed herself to gain 10 pounds during the course of the therapy. Several began to seek new, close relationships with men. There were general changes among the members toward greater self-assurance and self-reliance.

In the three years that they have been working with bulimarexic women, Lodahl and Sirlin have seen 138 from the Cornell community alone. Lodahl estimates that two to four per cent of the women at institutions like Cornell suffer from bulimarexia.

To Review Policies Financial Aid Group Named

A special committee on financial aid policy has been appointed by University Provost David C. Knapp to review the University's current policy on financial aid and to explore how changes in the policy might affect the well-being of individual students and the University as a whole.

The recommendations of the committee, which is chaired by Walter R. Lynn, director of the School of Civil and Environmental Engineering, will be a major consideration in determining budget priorities for 1978-79 and successive years, Knapp said.

In his charge to the committee Knapp pointed out that the University's allocations for financial aid have been growing faster than other expenditure items in the University budget and that the rate of growth may not be able to continue without severe effects on other aspects of the University.

Because the number of college-age students is expected to decrease in the next decade while the costs of attending the University increase, it is important to continue to attract the best academic talent to Cornell through a sound financial aid policy, Knapp said.

He asked the committee to consider whether academic merit should be considered in allocating at least some portion of the financial aid budget. At present financial aid at Cornell is awarded on the basis of need rather than academic criteria.

Knapp also pointed out that although the University's tuition has not increased faster than the disposable income of the average fami-

ly, the bill for attending the University appears substantial to low and middle-income families. He asked that costs be viewed in terms of both their economic and psychological effect on students and their families.

Serving on the committee with Lynn are Thomas R. Dyckman, professor of accounting and quan-

titative analysis; Donald C. Graham, associate professor of food science; Gerald E. Rehugler, associate professor of agricultural engineering; Joel H. Silbey, professor of history; Sheryl L. Jones, Arts '79, and Louis Massiah, Arts '77. The committee's recommendations are expected by May 15.

Ombudsman Search

Cornell University President Dale R. Corson has announced the names of a seven-member Ombudsman Search Committee to screen candidates for the July 1, 1977, to June 30, 1979, term of the post.

The office was established in the fall of 1969 as a "court of last resort" for all members of the Cornell community and is currently held by Kenneth Greisen. All four ombudsmen to date have been members of the faculty. The president's nomination is based on

recommendations from the search committee.

The search committee is now accepting nominations. It is headed by Douglas Fitch, a member of the faculty. Its other members are William Erickson and Jennifer Gerner, both faculty; Clifton Taylor and Stephen Zizzi, students, and Benjamin Bowser and Ronald Wolverton, employees. Erickson, Wolverton and Zizzi were appointed by the Senate. The others were named by Corson.

Referendum Revised

Continued from Page 1

the 1969 assembly which laid the ground work for the current Senate.

It was also pointed out during the meeting that the president is not expected to decide on the exact wording and extent of the referendum proposals until the end of this month. The referendum is scheduled to take place by Feb. 21.

In other business the Senate set the dates for its spring meetings: Feb. 15, March 22, April 12 and 26,

all Tuesdays.

A resolution was passed recommending to the president that funds be available in fiscal year 1977-78 to keep the Guidance and Testing Center open for 12 months. This year the center is scheduled to be closed during the month of June for budgetary reasons.

The meeting was adjourned shortly after 9 p.m. when a quorum count revealed only 19 Senators present, not the required 28.

Community Symposium Feb. 12

Continued from Page 1

of Industrial and Labor Relations, and Joel Silbey, professor of history.

Eight separate panels, four functioning at a time so that all persons may attend two panels during the afternoon, will expand on the morning's session and explore particular aspects of the nation's character.

These panels will be conducted in Uris Hall Auditorium, 120 Ives Hall, 110 Ives Hall and Statler Hall Auditorium.

Free parking will be available all day in the B lot on Rte. 366, and buses will shuttle back and forth from there to the symposium sites on central campus throughout the day.

The afternoon panel lineup, first session, from 1:15 to 2:45 p.m.:

"The Changing Constitution," Uris Hall Auditorium: Dean Crampton; Mary Beth Norton, associate professor of history; James Jacobs, assistant professor of law; David Danelski, the Goldwin Smith Professor of Government.

"Conflict and Social Change," 120 Ives: Robin Williams, the Henry J. Scarborough Professor of Social Sciences; J. Mayone Stycos, professor of sociology and director of the International Population Program; William Lambert, dean of the Graduate School.

"Environmental Policy and Food Production," Statler Auditorium: W. Keith Kennedy, dean of the College of Agriculture and Life Sciences; David Call, director of Cooperative Extension and professor of agricultural economics; Martin Alexander, professor of agronomy; David Pimentel, professor of entomology; Richard O'Brien, director of Biological Sciences and professor of neurobiology and behavior; Robert Young, profes-

sor of animal nutrition.

"The Political Dimension: Promise or Frustration?" 110 Ives: Professor Sibley; Martin Shefter, associate professor of government; Peter Schuck '62, director of the Washington office of Consumers Union.

The lineup for the second afternoon session, from 3 to 4:30 p.m.:

"Labor and Capitalism," Uris Auditorium: Dean McKersie; Robert Summers, the William G. Roberts Professor in the Administration of Law; Jacob Sheinkman '49 LLB '52, general secretary-treasurer of the Amalgamated Clothing Workers of America, AFL-CIO; William M. Marcussen '50, vice president and products director of Atlantic Richfield Co., Los Angeles, California.

"Technology: Pandora's Box in Disguise?" 110 Ives: Professor Lowi; Neil Orloff, associate professor of environmental engineering; Frank Long, the Henry R. Luce Professor of Science and Society; Jack E. Oliver, the Irving Porter Church Professor of Engineering; moderated by Edmund Cranch '45, dean of the College of Engineering.

"The Second Republic and Foreign Policy," Statler Auditorium: Professor LaFeber; Richard Rosecrance, the Walter S. Carpenter Jr. Professor of International and Comparative Politics; George Quester, professor and chairman of government; Thomas J. Downey '70, Congressman from the 2nd District, New York.

"Social Policy: The Role of Government in Individual Lives," 120 Ives: Irving Lazar, chairman of the Department of Community Service Education; Keith Bryant, professor of consumer economics and public policy; John Ford, assistant professor, Community Service Education; Kathleen Rhodes, professor, Community Service Education.



Ask CIRCE

Cornell's diversity is one of its greatest assets, but it sometimes adds a touch of confusion. The official University information center is the Cornell Information and Referral Center. The center will help you find out what you want to know about the University. It is set up to answer questions from the entire Cornell Community — faculty, students, alumni, staff and visitors. If we do not have the answer to your question, or the name of a person to which you can be referred, we will research it until we find what you need to know.

This column will be used to answer frequent or unique and interesting questions received by the center or to present other information to the members of the Cornell community.

The center is located in the main lobby of Day Hall. The desk is staffed from 8 a.m. to 6 p.m. Monday through Friday and from 9 a.m. to 5 p.m. Saturday and Sunday. Telephone is 256-6200 or 256-3572. After desk hours an answering device will record questions and the call will be returned the following day.

The center also conducts campus tours. The tours originate from the Willard Straight Lobby at 1:30 p.m. Monday through Friday, at 11:15 a.m. Saturday and at 1 p.m. Sunday.

Cornell's offerings go beyond academics, employment and entertainment. We'd like to make it easy for you to make the most of the opportunities available here. Stop by with your questions or just to meet us.

Levin: 'Writing Is Most Important'

Continued from Page 1

said, "We will continue to offer it to freshmen, but we will add another section of it for seniors in their last semester."

He said that this idea has received enthusiastic support from students. Freshmen have indicated that they would like to read the seniors' papers, for instruction in writing as well as for obtaining a new perspective on the college years ahead of them.

Farrell also plans to institute a number of courses in "special" writing. "We hope to have a seminar on 'Science as Writing' to offer a place where scientists can come to learn how to talk to everybody else," he said.

An experimental course format, which employs a writing instructor in addition to the course content instructor, was used in the last year in a few courses in the Graduate School of Business and Public Administration and in the Department of City and Regional Planning. Farrell said that students in those courses responded enthusiastically to the opportunity to work on writing problems within the context of the course, and that he hopes to see the format extended to courses in other departments by next fall.

Farrell also will work in conjunction with other colleges and departments to serve the writing needs of entering law students, graduates in Business and Public Administration, and others. And for the first time, non-academic Cornell employees will be able to work with on-the-job writing problems in a special workshop offered by the Office of Personnel Services and the Department of English. Further information on the employee writing course may be obtained by calling Gerald Thomas, director of training and development in the Office of Personnel Services (256-4869).

Such cooperative ventures between the colleges and departments, combined with such existing programs as the Freshman Seminar Program, which emphasizes



Robert Farrell

developing the writing skills of all entering students, mean that the college's concern for writing will be felt by students, staff and faculty throughout the University, Farrell said.

"We will try very hard to discover writing needs and put the courses to deal with those needs into existence," he added. Working with him will be the newly established College Writing Committee, consisting of David Connor, associate dean, College of Arts and Sciences; Walter LaFeber, the Marie Underhill Noll Professor of History; Isaac Kramnick, professor of government; Anthony Caputi, professor and chairman of the Department of Chemistry; Albert Silverman, professor of physics and Frederick Ahl, associate professor and chairman of the Classics Department.

Farrell hopes that further guidance and ideas about the teaching of writing will come from Cornell's involvement in the "Consortium of Eight" — an organization consisting of representatives from Harvard, Yale, Princeton, Massachusetts Institute of Technology (MIT), Chicago, Stanford, Columbia and Cornell, all of whom are concerned about the current "writing crisis."

Dr. W. H. Allaway, former director of the U.S. Plant, Soil and Nutrition Laboratory and currently a senior lecturer in the Agronomy Department at Cornell, has been awarded honorary membership in the American Society of Agronomy. This honor was in recognition of "sustained outstanding service to agronomy" and was presented Dec. 1, 1976, at the society's 68th Annual Meeting in Houston, Texas. Allaway's research is concerned with the relationship of soils to the nutritional quality of plants.

Widom

Benjamin Widom, professor of chemistry, has been awarded the 1976 Boris Pregel Award for Research in Chemical Physics. The award, which includes a \$500

The consortium has drafted a proposal to obtain foundation funds to establish a framework for ready communication among the writing staffs of the member institutions. It also plans to seek a grant from the National Endowment from the Humanities to support systematic research on the teaching of writing and formal programs to teach teachers of writing.

"The widespread lack of prose writing skills among university students is a perennial problem," the group maintains. "In our meetings to date we have found that communication on common problems and attempts toward solutions is essential. If we have the opportunity to continue this kind of exchange, we can gain a great deal. First of all, we can avoid the feeling of isolation that so often besets those involved in writing programs. We can also gain by being aware of experiments and developments in any member university. Should something work, we can quickly become aware of it; should one of us find some experiment a failure, we can quickly save others from a similar error."

Or, as Levin puts it, "We want to be sure that none of us reinvents the wheel."

Does Farrell anticipate a time when the writing crisis will be over, when an associate dean for writing at Cornell will no longer be necessary?

"No. It is just impossible for human beings to do what is necessary to handle student writing adequately in high school," he said. "The nationwide trend is handwriting about writing. At Cornell we are taking on the work necessary to change the situation."

"But," he cautioned, "unless all faculty members in the University teach writing and are concerned with it, there can be no hope of success. If the attitude is 'Writing for Freshmen' the exercise is relatively pointless."

Awards, Honors

honorarium, a certificate and a gold medal, was presented to Widom at the annual meeting of the New York Academy of Sciences on Dec. 8.

The award cited Widom's contributions to equilibrium statistical mechanics and chemical kinetics and his formulation of scaling laws. "The basic hypothesis and its consequences contained in our work are departure points for anyone concerned with the important area of behavior of fluids in the region of their critical points," wrote Academy President Philip Siekevitz in announcing the award.

Wiesenfeld

John R. Wiesenfeld, assistant professor of chemistry has been awarded a \$35,000 teacher-scholar

grant from the Camille and Henry Dreyfus Foundation, Inc. He is one of 15 scientists nationwide to receive the award this year.

Wiesenfeld's technical interests are gas phase kinetics and the role of non-equilibrium energy distributions in the chemistry of atoms and small molecules. He is also conducting research in laser chemistry and photodissociation dynamics. He is the author of more than 40 publications in these fields.

Dreyfus teacher-scholar grants are awarded annually to outstanding young faculty members who combine interest and demonstrated ability in education and research in the fields of chemistry, biochemistry and chemical engineering.

Volunteer Training Programs to Begin

Several volunteer training programs will be starting soon. They are: *Ithaca Tutorial Program.* Volunteers are needed to tutor in Ithaca schools in traditional subjects or to provide individualized help for children with learning disabilities from kindergarten through high school. Time required is about one hour twice a week. Volunteers are asked to make a semester's commitment. An orientation meeting will be held from 4:30-5:30 p.m. Sunday, Feb. 6, in the Founders Room, Anabel Taylor Hall.

MAINLINE Training in Counseling and Youth Outreach. Training for drop-in or hot-line counselors began Wednesday, Jan. 26. It will continue for 8 consecutive Wednesday evenings. Those persons wishing to participate should call MAINLINE in the evening. Youth outreach training will begin at 7:30 p.m. Thursday, Jan. 27 and continue for 5 consecutive Thursday evenings. Initial meeting for both training programs at MAINLINE offices in Collegetown. Time commitment after training is 4 hours per week for the semester.

EARS Training in Peer Counseling for Cornell students starts at 7:30 p.m. Tuesday evening, Feb. 1. Weekly meetings on Tuesday evenings will continue for the semester with initial meeting in Uris Hall 202.

Training for Jail Program for Inmates, Ex-Offenders and Their Families. Training sessions will be held from 7-10 p.m. Feb. 3, 4, 7, 8, 9 and all day Feb. 5. The program is designed to assist people committed to jail, ex-offenders and their families through personal counseling and practical problem-solving. Time commitment is a few hours a week at least for the semester, preferably longer.

CURRENT VOLUNTEER NEEDS

TUTORS NEEDED IMMEDIATELY FOR HIGH SCHOOL STUDENTS having difficulty with biology, chemistry, algebra, geometry and Western Civilization courses. Also, tutors are needed to help two motivated and able students with English grammar. Times and days flexible.

IF YOU SPEAK POLISH OR FINNISH, downtown day facility for mentally handicapped adults would welcome your expertise. Also welcome are volunteers with musical ability. Some schedule flexibility.

FEMINIST ORGANIZATION is looking for temporary office assistance until March 1 to help with mailings and other preparations for funding drive. Any weekday between 9 a.m. and 5 p.m.

ONE-TO-ONE LEARNING THROUGH PLAYING PROGRAM seeks volunteers to spend a few hours per week with individual 3-6-year-old children. Materials and space provided or volunteer may take child on short trips into the community.

HIGH SCHOOL STUDENT FROM JAPAN needs help with textbook English, particularly in relation to Physics. Any day from 2:30-3:30 p.m.

MOVIE PROJECTIONIST needed by residential facility for the elderly. Saturday evenings at 8 p.m. preferred, but other weekday evenings possible.

DOWNTOWN YOUTH RECREATION PROGRAM needs volunteers to work with youth groups in cooking (Mondays, 7-8 p.m.); woodworking (Tuesdays, 5-6:30 p.m. or 7-8:30 p.m.); sewing (Thursdays at 5:15 or 6:30 p.m.); plant science and/or bird studies (Saturdays, 10 a.m.-noon).

NEW TRANSPORTATION SYSTEM FOR ELDERLY AND HANDICAPPED INDIVIDUALS seeks volunteer drivers for their van. Drivers receive training and insurance coverage, and may choose regular assignments or be on call as a substitute.

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

Cornell Board of Trustees to Meet

Summary agenda for the meetings of the Executive Committee and the full Board of Trustees of Cornell University to be held Jan. 27, 28, 29, 1977 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. The minutes of Executive Committee meetings of Oct. 21, Nov. 9 and Dec. 14, 1976 will be presented for approval and the minutes of the July 28 and Sept. 14 meetings will be presented to the full Board of Trustees for ratification and confirmation. Approval of the full Board minutes for the Oct. 22-23, 1976 meetings also will be sought. The proceedings of the Joint Administrative Board of the New York Hospital-Cornell Medical Center for Nov. 30, 1976 will be presented for information.

2. Geoffrey Chester, professor of physics and chairman of the President's Commission on Self-Governance, will present the recommendations of the Commission to the Board of Trustees. William D. Gurowitz, vice president for campus affairs, will report concerning conduct of a community referendum on self-governance at Cornell.

3. Allied to the discussion of campus self-governance, University President Dale R. Corson will make recommendations concerning extension of terms of members of the Seventh University Senate and the extension of Board membership of certain Trustees until the Commission on Self-Governance recommendations are acted upon by the Board.

4. Samuel A. Lawrence, vice president for financial and planning services, will report on the University's current fiscal position.

5. The president will make recommendations concerning revision of the 1976-77 budget at the Cornell Medical College, installation of a combined personnel/payroll system at the college, and performance of a construction cost reallocation study at the Medical College toward developing increased recovery of indirect costs at the college. He will also make funding recommendations concerning the latter two projects.

6. The president will recommend allocations from certain funds for four on-campus uses. He will ask appropriation of funds from the Campus Life Central Reserve for a Sperry Hall resident director position and financing costs of last summer's bottle redemption center. Another allocation would meet one-time costs in transferring computing support for the University's National Defense Student Loans from a commercial service bureau to the University's computer. The final appropriation would be on monies in the Lewis H. Durland Fund to support the program of the Anne Carry Durland Memorial Alternatives Library.

7. The president will recommend the establishment of six Liberty Hyde Bailey Professorships in the New York State College of Agriculture and Life Sciences, and the establishment of the Janet Frisch Klein Scholarship in the Federation of Cornell Women's Clubs scholarship program. He will announce a major anonymous gift to the University.

8. The president, along with Vice President Lawrence, will present, and recommend approval of, the proposed budgets for the fiscal year 1977-78 for the endowed colleges at Ithaca, the Medical College and the School of Nursing in New York City. These budgets include a proposed adjustment in tuition and other fees as well as proposals for financing the budget program.

9. The president will recommend, subject to Buildings and Properties Committee approval, that the University administration be authorized to proceed with eight projects, within their respective project schedules and budgets, under the critical maintenance program. These projects involve roof repairs, paving and curb repairs, gas line repairs, and bathroom rehabilitation.

10. The president will recommend, also subject to Buildings and Properties Committee approval, that the administration be authorized to proceed with construction of a library storage facility in the Cornell orchards area. He will seek authorization to award a contract for construction of the facility.

11. Other recommendations which will be made subject to Buildings and Properties Committee approval include: 1) authorization to increase the project budget and

funding and to award the contract on the Long Island Horticultural Laboratory (Riverhead) project; 2) authorization to proceed with construction of expanded utility services to the east campus area and to solicit bids and to award a contract; 3) authorization to proceed with detailed design and incremental construction (as funds become available) of a landscape rehabilitation project for the Agriculture quadrangle; 4) authorization to proceed with construction of a third floor addition to Wing Hall and permission to seek bids and award a contract for that project and; 5) making available four rooms in the Medical College's S Building to The New York Hospital for a kidney acquisition unit.

12. The trustees will hear a report from the chairman of the Buildings and Properties Committee, Trustee Earl Flansburgh.

13. The president will recommend amending the Cornell University Retirement Plan for nonexempt staff at Ithaca. The amendment deals with those individuals who are qualified for the University retirement plan and who also may have been participants in the State Retirement System or in TIAA/CREF.

14. Executive Committee Chairman Charles T. Stewart, assisted by University Counsel Neal R. Stamp, will lead a discussion on a policy on potential conflicts of in-

terest on the part of individual Board members or executive staff members.

15. The president will review the status of the School of Nursing in New York City and Dean Eleanor Lambertson will report on the Nursing School's program.

16. The president will recommend approval of changes in degree designations. These changes have already received Faculty Council of Representatives approval.

17. The president will recommend a series of personnel actions.

18. The president will report on activities of the ad hoc committee appointed in May 1976 to review the joint agreement between the University and The New York Hospital which established The New York Hospital-Cornell Medical Center. He also will report that he has accepted membership on the Board of Governors of The Society of The New York Hospital.

19. The secretary of the board will report on a trustee death and on other changes in composition of the board.

20. The president will report on the state of the University.

21. There will be a discussion on the establishment of a community health care program including the University Health Services. The discussion will focus on the preliminary report of the Tompkins County Health Services Alliance; a report which is forthcoming.

22. The trustees will hear reports from the Committee on State Relationships, the ad hoc committee on health professions schools, the Presidential Search Committee, and the Academic Affairs Committee.

23. There will be a report on the progress of The Cornell Campaign by Trustee Jansen Noyes Jr. Also there will be a Cornell Fund report and a report on gifts received through Dec. 31, 1976.

24. Provost David C. Knapp will report on progress to date in the development of minority education programs and on Affirmative Action.

25. The full board will hear reports and recommendations from the Executive Committee.

26. The chairman of the Investment Committee, Nelson Schaenen Jr., will give his annual report as will Audit Committee Chairman, Charles W. Lake Jr.

27. A report on the status of sponsored research at Cornell will be presented to the trustees.

28. The president will seek authorization to confer degrees in January, May and August, 1977 upon candidates who have fulfilled all necessary requirements and have been recommended for a degree by their respective faculty.

29. The president will report to the trustees on deaths of emeritus faculty and will report on faculty resignations.

The Senate Page

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

NEXT SENATE MEETING: Tuesday, Feb. 15, 7:30 p.m., 110 Ives Hall

Current Legislative Log

BILL NO. & DATE SUB.	ABSTRACT	SPONSOR	COMMITTEE REFERRED TO
G-66 12-13-76	Amends the calendar of Senate meeting dates (SA-410) to take into account the early completion of budget consideration and the extension of the Seventh Senate term.	Executive Committee	Executive Comm.
G-67 1-6-77	Rejection of final Chester Commission Report	Shirley White	Executive Comm.

Bulletin Board

Judicial Positions Still Open

The deadline for submitting applications for the positions of Judicial Administrator and Judicial Advisor has been extended to Feb. 7.

Applications should be sent to the Senate office, 133 Day Hall, and should contain the following information: name, address, phone number, background, qualifications and interests pertinent to the position, and a brief curriculum vitae.

The Judicial Administrator is a full time position, with a CP05 classification and a salary range of \$13,800-\$20,700. The Judicial Advisor is part-time, about 10 hours per week, and pays about \$3,000 per year. Appointments to each of these positions will be made for a two-year term.

Descriptions of the positions can be found in the *Policy Notebook for Students, Faculty and Staff*.

Viking Warfare Lecture Topic

"Warfare and Defense in the Viking Age" will be the subject of a free, public lecture by David M. Wilson, director of the British Museum, at 4:30 p.m. Wednesday, Feb. 2, at Kaufmann Auditorium, Goldwin Smith Hall.

Wilson is the author of eight books and 100 articles on topics in Anglo-Saxon, Scandinavian and Slavic studies. He has been a professor of Medieval archaeology at the University of London since 1971. His lecture is sponsored by the University Lectures Committee.

Parenting Skills Group to Meet

An informal discussion group to share experiences and ideas about child rearing will hold its first meeting at 8 p.m. Friday, Feb.

4 in 2G Pleasant Grove Apartments. The purpose of the group is to increase parents' understanding of themselves and their children, and to build on skills as listeners, communicators and problem-solvers. The group is open to all members of the Cornell community, with a special invitation extended to fathers.

For more information call Gemma Petit at 257-3296 or Fran Poe at 272-8563.

Dance Concert to Be Given

A dance concert by Saga Ambegaokar, winner of the 1975-76 Award for Choreography from the Creative Artists Public Service Program, will be given at 8:15 p.m., Friday and Saturday, Jan. 28 and 29 at the Dillingham Center at Ithaca College. Reservations can be made at the Egbert Union, Ithaca College, 274-3224, or Nippenose in the DeWitt Mall.

Pew Trust Gift

Chemical Engineering to Benefit

The University has received \$500,000 from the J.N. Pew Jr. Charitable Trust of Philadelphia to modernize the chemical engineering laboratories in Olin Hall, President Dale R. Corson has announced.

Since the construction of Olin Hall in 1943 to house the School of Chemical Engineering, there has been no major renovation of the teaching laboratories, Corson said.

"The preparation of graduates for modern industrial practices requires that the level of experimentation in the teaching laboratories approach that of industry," he said. "This grant will help the University carry

out a much-needed project."

The School of Chemical Engineering is one of the major divisions of the College of Engineering, according to Dean of Engineering Edmund T. Cranch. Since its founding in 1938 by the late Fred ("Dusty") Rhodes, it has graduated more than 1,700 students.

"Today," Cranch said, "the number of undergraduate and graduate students enrolled in chemical engineering is at a record level. For that reason the gift is especially timely."

The late Joseph N. Pew Jr. was a 1908 Cornell mechanical engineer-

ing graduate. From 1947 until his death in 1963 he was chairman of the Board of Directors of the Sun Oil Co. Throughout his professional career he was recognized as one of the petroleum industry's greatest innovators.

In 1968, the College of Engineering received a grant from the J.N. Pew Jr. Charitable Trust to establish a distinguished professorship. The current holder of the professorship, named in honor of Mr. Pew, is Edwin L. Resler Jr., director of the Sibley School of Mechanical and Aerospace Engineering.

'Better Than Tankers'

Geologists Study Drilling

"Exploration for and development of petroleum resources on the Atlantic outer continental shelf is the environmentally preferable alternative to increasing oil imports by tankers," according to William B. Travers, assistant professor of geological sciences, and Percy R. Luney, an attorney in the Office of the Solicitor, U.S. Department of the Interior, who formerly taught at Cornell.

The two reported in a recent issue of the journal *Science* that petroleum production from the Atlantic outer continental shelf would prove ultimately safer to the environment of the heavily industrialized East Coast than either drilling in other coastal areas of the United States or importing oil in tankers.

The geology of the Atlantic outer continental shelf is such that the high subsurface pressures that have caused "blowouts" in wells in the Gulf of Mexico and off California are unlikely to occur, they found.

Unlike the Gulf Coast, the Atlantic region does not contain the thick layers of a volcanic clay that are usually associated with deposits of oil under high pressure. The region also is free from active fault zones, which are associated with difficult-to-control shallow deposits of high pressure oil such as those in the Santa Barbara, Calif. region, Travers and Luney stressed.

They pointed out that even the largest marine oil spill from a blowout in recorded history, the 1969 Santa Barbara event, released less than 15 per cent of the estimated oil spilled that year from tanker operations. No major oil spills from blowouts have been recorded since 1972, they added, due to technological advances and more stringent safety requirements.

Pipelines, which almost certainly would be used to bring oil from Atlantic fields to shore, also are much safer than they once were because of new safety requirements, the researchers said. They added that even before safety standards were imposed, spills from pipelines were less than those from tankers.

"Tankers are the source of the

highest volume of oil spilled each year (0.016 per cent of the total volume handled); platforms have the lowest volume of oil spilled (0.006 per cent)," they found. The statistics for platforms include data from the most dangerous areas for drilling.

Travers and Luney contended that "without petroleum production from the Atlantic outer continental shelf, imports of crude oil and petroleum products will increase, and the concomitant use of more tankers will increase the number of collisions and accidental and deliberate spills occurring in Atlantic coastal waters."

Using "supertankers" to reduce congestion in Atlantic harbors would not increase safety, they added, because such tankers during a crash stop, require 11 minutes and two miles to stop and cannot be steered during that stop — even if operated by highly trained personnel. And, the spills resulting from super tanker accidents, they said, could be much larger than spills from conventional tankers.

In 1971 and 1972, tankers unloading at their terminals spilled more than three times the volume of oil spilled from all offshore production facilities, including pipelines, they found.

More than 90 per cent of the estimated 17 million barrels of oil spilled annually by tankers is spilled deliberately, Travers and Luney said. They explained that tankers often take on sea water as ballast after unloading their petroleum. Considerable residues of oil are pumped out with the sea water before a new load of petroleum is taken on.

Many tankers bringing oil to the U.S. carry grain on their return trips and clean their holds through "deliberate 'accidental' oil spills on the high seas, often near a U.S. coast," they said, instead of spending an extra, costly day in port.

The researchers concluded that "international agreements on the regulation of the shipping industry ... are extremely difficult to negotiate and appear virtually impossible to enforce."

But they maintained, because platforms and pipelines do not move from place to place, "a surveillance system can be efficiently maintained over their operation and regulations governing uniform equipment and safety requirements can be easily imposed."

Humanists Named to Media Panel

Four Cornell humanists have been named members of the general committee of the Humanities Media Planning Project of WSKG Public Television and Radio, Endwell, N.Y. They are David B. Lyons, professor of philosophy; Kenneth A. McClane, poet and assistant professor of English; Mary Beth Norton, associate professor of history, and Robert A. Scott, associate dean of the College of Arts and Sciences.

According to Arthur F. Dees, WSKG president and general manager, the project's main goal is to develop new and innovative program production ideas on various subjects in the humanities. "It is our hope that over the course of the coming year, the Humanities Media Planning Project will prove to be a

valuable source of information for professionals in the broadcast industry, and academic humanists seeking access to the media," he said.

A secondary goal of the project is to identify area humanists who may be called upon to provide information and ideas about projects in their fields.

Some ideas the committee discussed at its first meeting, Scott said, are potential programs about the Underground Railroad, which smuggled slaves from the South into the "free states" of the North, and which operated through the central and Upstate New York region.

Another show or series might deal with religions, such as the Church of Latter Day Saints, and

"utopian" communities, such as the Oneida Community, which were founded in Upstate New York, a region once known as the "burned-over district" because of the evangelical zeal it nurtured.

Other programs might focus on the value questions and humanistic aspects of such policy issues as the land claims of Native Americans.

"Programs like these could contain ideas and information of national interest," Scott continued. "But we also are interested in producing two-minute news pieces on topics in the humanities for local audiences."

Other representatives to the 10-member general committee have been drawn from the SUNY/Binghamton and City College of New York faculties.

Appointments

Evans

Howard E. Evans, professor of veterinary anatomy at the New York State College of Veterinary Medicine, has been appointed chairman of the Department of Anatomy.

He received the B.S. degree from Cornell in absentia while serving in the U.S. Army in 1944, and the Ph.D. in comparative anatomy with minors in ichthyology and entomology at Cornell in 1950. He has been a member of the veterinary faculty since 1950 and served as secretary of the college for 12 years. His teaching, research, and publications concern vertebrate structure, function, and development.

Everett

Herbert L. Everett, director of resident instruction at the State

College of Agriculture and Life Sciences for the past 11 years, will leave the position Dec. 30, to return to the Department of Plant Breeding and Biometry to teach the course in methods of plant breeding and continue his research on corn. He was first appointed to the department in 1952.

A faculty committee to solicit nominations for the post is chaired by Bernard F. Stanton.

O'Brien

Carol L. O'Brien has been named director of foundation relations in Cornell's Office of University Development. She replaces Steven R. Martin, who has assumed new responsibilities for Cornell's gift campaign.

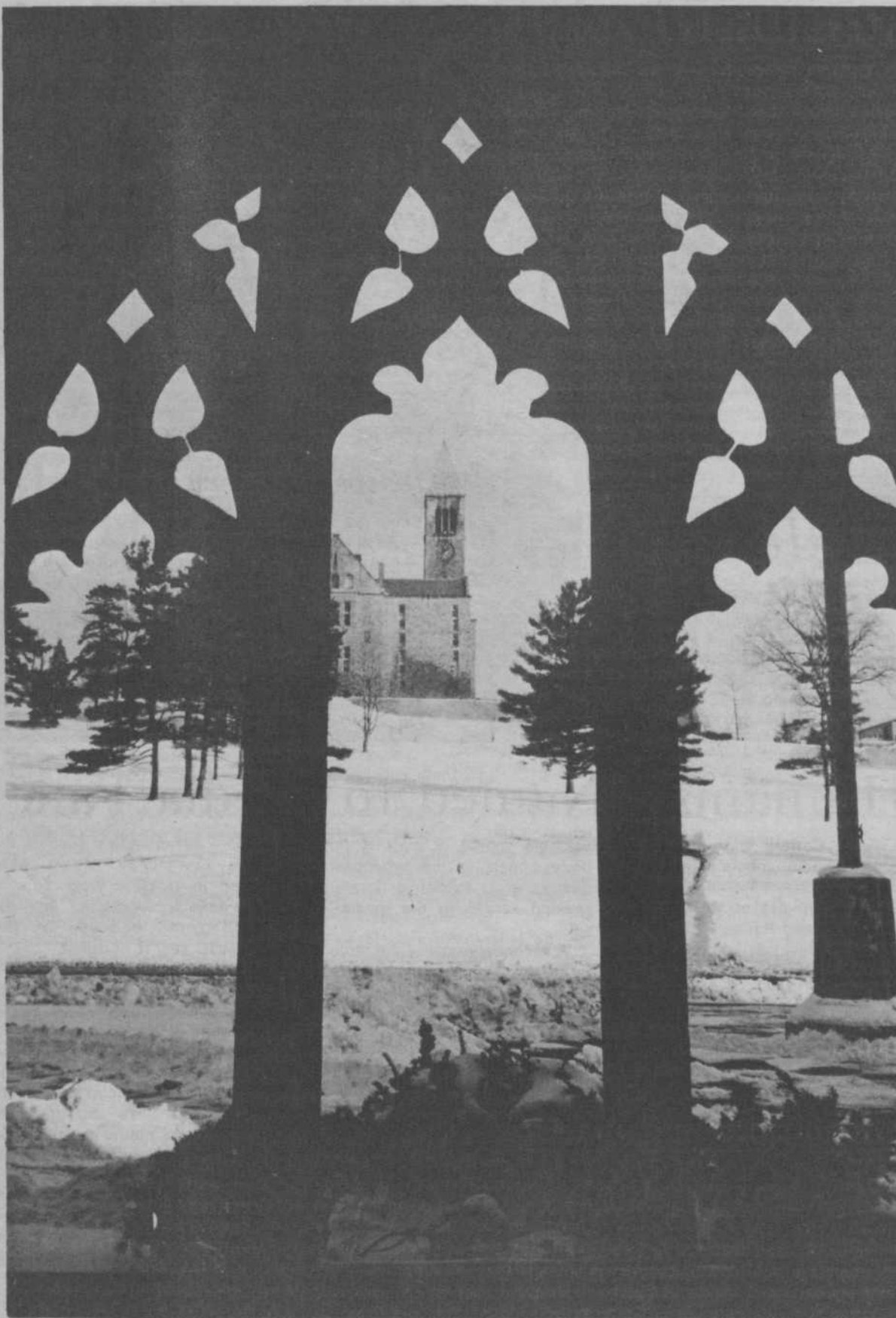
Director of Development Raymond T. Handlan said, "With the ad-

dition of Mrs. O'Brien to our Development staff, we will become more active in initiating proposals to foundations for capital support. She brings an energy and intelligence as well as a thorough knowledge of Cornell and a fine record of personal rapport with faculty and staff."

A 1968 graduate of the College of Arts and Sciences, O'Brien has worked in the administration of the History of Art Department since her graduation. She is married to Robert J. O'Brien, an Ithaca architect.



Looking at McGraw Tower from the War Memorial



Blomquist

Alfred T. Blomquist, professor of chemistry emeritus at Cornell, died Saturday, Jan. 15, 1977, after a long illness. He was 70.

Blomquist, a specialist in organic chemistry, made major contributions to the study of small and medium-size carbon rings, polymer chemistry and the synthesis of amino acids and peptides.

He was a member of the National Academy of Sciences, the author of the book "Organic Chemistry," published in 1948, and the editor of a series of monographs on organic chemistry. He also served as a consultant to the B.F. Goodrich Co. for 25 years.

During part of World War II, he was the only organic chemist on the faculty. He taught all the organic

chemistry courses and directed the research of all organic graduate students. Among his graduate students were Liang Liu, who now heads a large natural products research laboratory in the Peoples Republic of China and Robert Holley, who holds a Nobel Prize in Chemistry.

Herrmann

Walter Herrmann, 51, died of a heart attack Jan. 18 in Peshawar, Pakistan, where he was giving a seminar as a member of the faculty of the School of Hotel Administration. For nine years manager of the Statler Inn, Herrmann joined the school's faculty in 1972.

An authority on food preparation, he was graduated from the Hotel School in 1952 and earned a master's degree there in 1976.

Donations may be made to the

Walter Herrmann Memorial Scholarship Fund, School of Hotel Administration.

Smith

Alpheus W. Smith, professor emeritus of industrial and labor relations, died Sunday, Jan. 23, 1977, in Tompkins County Hospital after a long illness.

He taught human relations, joining the Cornell faculty in 1946 and retiring in 1966. He was raised in Ithaca and graduated from Cornell.

Contributions in his memory are sought for the Marian Donahue Tolles Fund which provides financial assistance to undergraduate students. Contributions may be sent to the Dean's Office, Industrial and Labor Relations School, Box 1000, Cornell.

'Give That Chicken Fat Back to the Chickens'

The Cornell Adult Fitness Program, open to Cornell faculty, staff, graduate students and their families, will begin on Monday, Feb. 7 at 8 a.m. in Barton Hall.

Participants in the program under Cornell's Physical Education Department will meet every Monday, Wednesday and Friday at 8 a.m. in Barton during the spring semester.

The co-ed program consists of

scientific testing at the beginning and end of the semester, individually prescribed exercise programs, and instruction in the science of exercise.

Persons interested in the program should either attend the organizational meeting on Feb. 7 or call Ed Burke (274-3409) or the physical education office (6-4286).

Portee Joins Football Staff

Dick Portee, an assistant football coach at Illinois State since 1969, has been appointed to the football staff at Cornell, it was announced by Head Coach Bob Blackman.

"When I was at Illinois I heard many fine reports throughout the area about Dick. He's a quality coach who will be an excellent, high class representative for Cornell on the field and on the road," Blackman said.

Portee, 34, will coach either the receivers or the defensive backs, Blackman said. A definite assignment will be made in the near future.

During his eight seasons at Illinois State, Portee coached the defensive secondary, defensive ends and linebackers, offensive backs and wide receivers. He was responsible for recruiting in central Illinois, Chicago and its suburbs, northern Indiana and Milwaukee.

Hammond Named Librarian

Jane Hammond, director of the Cornell University Law Library, has been named to the executive committee of the Association of American Law Schools (AALS) for a one-year term starting this January. She is the first librarian ever elected to the executive committee of the

association, comprised of the nation's major law schools.

Hammond, who is also a professor of law, came to Cornell last fall from Villanova University, where she was law librarian and a member of the law faculty. She was president of the American Association of Law Libraries during 1975-76.

Grants and Contracts Awarded to Cornell

The Office of Academic Funding has announced the following new grants and contracts for sponsored programs for the Ithaca and Geneva units of the University. This list does not include renewals or continuations.

P.L. Auer, Mechanical and Aerospace Engineering, Administration Support for Participation in project SOA76-330, ERPI, 16 months, \$10,000.

J.M. Blakely, Materials Science Center, Adsorption Segregation and Reactions at Metal Surfaces, NSF, 12 months, \$85,000.

E.W. Brown, Modern Languages, Support for Polish Language and Culture Course, Corning Glass, 3 months, \$4,300.

D.A. Caughey, Mechanical and Aerospace Engineering, Transonic Wing-Body Calculation, NAVY, 12 months, \$30,000.

L.F. Eastman, Electrical Engineering, Investigation of Solution Epitaxial Growth and High Field Electronic Properties of Indium Phosphide, ARMY, 12 months, \$36,600.

L.F. Eastman, Electrical Engineering, Research on Gallium Arsenide Growth, Honeywell Corporation, 12 months, \$5,000.

B. Ganem, Chemistry, Synthesis of Tumor-Inhibitory Diepoxides, NIH, 12 months, \$35,233.

A. Lewis, Applied Physics, Fellowship for B. Ehrenberg, Weizmann Institute of Science, 12 months, \$11,000.

V.U. Utermohlen, Bio Chemistry, Lymphocytes in Multiple Sclerosis, NIH, 12 months, \$42,930.

V.U. Utermohlen, Bio Chemistry, Lymphocyte Agglutination With Paramyxoviruses in Multiple Sclerosis, Multi Sclerosis, 24 months, \$32,942.

D.D. McGregor, Aging Immunity and Cancer, NIH, 12 months, \$138,972.

R. Merrill, Chemical Engineering, Collision Dynamics with High Energy Oxygen Atoms, NASA, 12 months, \$17,500.

D.A. Paine, Agronomy, The Balance Equation as a Diagnostic Tool for Detecting the

Initiation, NASA, 14 months, \$29,268.

S.M. Parrish, English, Support for Work on Sigmund Freud Concordance, Dr. Muriel Buttinger, 3 months, \$10,000.

N.U. Prabhu, Operations Research and Industrial Engineering, Operations Research Applied Stochastic Processes, NSF, 12 months, \$11,300.

M. Salpeter, Neurobiology and Behavior, Cellular and Molecular Neurobiology Training Program, NIH, 12 months, \$27,004.

L.A. Wager, Veterinary College, DOW Project #1276, Dow Chemical, 6 months, \$6,800.

L.A. Wager, Veterinary College, The Schering Project #1176, Schering Corporation, 6 months.

R.A. Wentworth, Veterinary College, Pharmacokinetics, Deposition and Tissue Distribution, Food and Drug Research Lab, 12 months, \$5,000.

L.L. Wicks, Education, Ag Ed Curriculum Materials Development, NYS, 12 months, \$29,700.

J.R. Wiesenfeld, Chemistry, Chemical Reactions of Chlorine — Atoms with Small Molecules and Free Radicals, MFG Chemists Association, 12 months, \$26,250.

G.M. Winter, Education, Service Contract-Expanded Program in Basic 3R's, Delhi University, 12 months, \$1,493.

G.M. Winter, Education, Expanded Occupational Education for Non-Traditional Students, Delhi University, 12 months, \$1,481.



Bulletin Board

Financial Aid Applications Due

Completed 1977-78 financial aid applications for undergraduate students are due in 203 Day Hall by Tuesday, March 1. Graduate students who wish consideration for University loans and jobs should also obtain applications from 203 Day Hall and submit them by the March 1 deadline.

Law, Business, Veterinary, Engineering Masters and International students should apply directly to their respective units. Information concerning these programs can be obtained from the following people: Law, Dan Kimball; Business, George Ridenour; Veterinary Medicine, John Thompson; Engineering Masters, Dwight Sangry; International Office, Dave Williams.

New Parking Permits Procedure

Department heads must submit letters to the Traffic Bureau on the status of new employees, before any parking permits can be issued, according to Richard J. Mooney, appeals and program officer.

New employees seeking U permits must have a statement from the department head stating they are exempt and earning over \$9,000 per year.

Students are not eligible for faculty or staff permits unless approved by the Special Request Appeals Board.

For further information, contact Mooney at 256-4600.

Pre-Med Dual Registration

Junior pre-med students interested in the Cornell-Upstate Medical Center Dual Registration Program should register in G-14 Stimson by Jan. 31. The program is open to students who will have completed 105 credit hours by the end of the junior year.

Special Seminars

Agriculture and Life Sciences

FOOD SCIENCE: "Protective Lipid Feeding: Influence of Milk Composition and Stereospecific Composition of Triglycerides," David Barbano, 4:30 p.m., Tuesday, Feb. 1, Thurston 204.

PLANT PATHOLOGY: "Dealing with Disease in Veterinary Medicine," R.M. Lewis, 8:15 p.m., Thursday, Feb. 3, Vet Research Tower G-3.

Arts and Sciences

ASTRONOMY: "Some Current Problems in the Fluid Dynamics of the Earth's Core," Edward R. Benton, National Center for Atmospheric Research, 3 p.m., Tuesday, Feb. 1, Thurston 205.

BIOPHYSICS: "Electric Structures of Polyenes," Brian Kohler, Wesleyan University, 4:30 p.m., Wednesday, Feb. 2, Clark 700.

PHYSICS: "Pseudomomentum in the Theory of Condensed Matter," Sir Rudolf Peierls, Oxford University and UCLA, 4:30 p.m., Monday, Jan. 31, Clark 700.

Engineering

CHEMICAL ENGINEERING: "Steady-State Approximation in Modelling Problems in Chemical Reaction Engineering," Richard Aiken, Chevron Research, 4:30 p.m., Monday, Jan. 31, Olin Hall B.

GEOLOGICAL SCIENCES: "Geologic History — Key to Accumulation at Cedar Creek," James H. Clement, American Association of Petroleum Geologists Distinguished Lecturer, 4 p.m., Monday, Jan. 31, Thurston 205.

GEOLOGICAL SCIENCES: See ASTRONOMY, Feb. 1, for jointly sponsored seminar.

GEOLOGICAL SCIENCES: "Motagua Fault Zone of Eastern Guatemala: An Intercontinental Suture Zone," Thomas Donnelly, SUNY Binghamton, 4:30 p.m., Tuesday, Feb. 1, Thurston 205.

MATERIALS SCIENCE AND ENGINEERING: "Oxidation Reactions on Noble Metal Surfaces," Robert Merrill, 4:30 p.m., Thursday, Jan. 27, Bard 140.

MATERIALS SCIENCE AND ENGINEERING: "Surface Segregation in Alloys," James Burton, Exxon Corporate Research Lab, 4:30 p.m., Thursday, Feb. 3, Bard 140.

MECHANICAL AND AEROSPACE ENGINEERING: "Application of Pattern Recognition to the Evaluation of Human Gait," Max Donath, MIT, 4:30 p.m., Tuesday, Feb. 1, Grumman 282.

PLASMA STUDIES: "Numerical Simulation of Drift Instabilities in Three Dimensions," H. Okuda, Princeton University, 4:30 p.m., Wednesday, Feb. 2, Grumman 282.

THEORETICAL AND APPLIED MECHANICS: "The Dynamics of Shot Put, Javelin and Discus Throw and Correlations," T.C. Soong, Xerox, 4:30 p.m., Wednesday, Feb. 2, Thurston 205.

Biological Sciences

GENETICS: SPECIAL LECTURE CANCELLED, was scheduled for 4:30 p.m., Thursday, Jan. 27.

GENETICS: SPECIAL LECTURE CANCELLED, was scheduled for 12:20 p.m., Friday, Jan. 28.

NEUROBIOLOGY AND BEHAVIOR: "The Functional Organization of the Vertebrate Retina," John E. Dowling, Harvard University, 4 p.m., Monday, Jan. 31, Ives 110.

NEUROBIOLOGY AND BEHAVIOR: "Of Alkaloids and Waxes: Some Recent Studies of Insect Behavior," Thomas Eisner, 12:30 p.m., Wednesday, Feb. 2, Langmuir Penthouse.

PHYSIOLOGY: "Acute Steroid Effects on Skeletal Metabolism," William H. Bergstrom, SUNY, Syracuse, 4:30 p.m., Tuesday, Feb. 1, Vet Research Tower G-3.

Human Ecology

NUTRITION: "Impact of Nutritional Status in Work Performance of Guatemalan Field Workers," Martin Immink, 4:30 p.m., Monday, Jan. 31, Savage 100.

Olin Library Tours Announced

Tours of Olin Library will be given once a week beginning Thursday, Feb. 3. Later scheduled tour dates are Friday, Feb. 11; Thursday, Feb. 17; Friday, Feb. 25 and Thursday, March 3. Persons who wish to take tours should meet in the area between the Circulation Desk and the Periodical Room at 3:30 p.m.

Group tours with bilingual guides will be arranged upon request by calling 6-4199 and giving a language preference and a phone number.

"Self Guided Tours of Uris Library" booklets are available from the display in front of the Uris Circulation Desk.

Missing Reference Book Sought

Academic Funding, 123 Day Hall, is asking for assistance in locating volume 1 of "Government Contracts Reports," published by Commerce Clearing House, which has been missing for several weeks.

The 8½"x10"x4" black, hard-cover, loose-leaf book is used to reference government regulations and guidelines. It is an expensive book to replace and the office will be most grateful to have it returned as soon as possible.

English Language Classes Set

The Campus Club Committee for International Hospitality sponsors classes at all levels for anyone who wants to learn English as a second language.

Classes begin Monday, Jan. 31. Students register at their first class meeting. Schedules are available at the International Student Office in Barnes Hall.

For further information, call Judith Ashcroft, 273-8549 or Margaret Fowler, 273-5263.

Campus Club Art Series

The Campus Club of Cornell University will sponsor a series of four Fine Arts programs each Thursday in February from 10 to 11 a.m. in the Lecture Room of the Herbert F. Johnson Museum of Art. The first of the series will be held Thursday, Feb. 3 with a lecture on Print Makers by H. Peter Kahn, professor of Fine Arts.

These programs are free and open to the public. Parking is available in the Conference Parking Lot on the corner of Triphammer and Jessup Roads. Bus service to the campus costs 10¢ per passenger. (Exact change is required.)

Programs for the remaining Thursdays in February are as follows:

Feb. 10 — Looking at Modern Art, Jacqueline V. Falkenheim, assistant professor, History of Art;

Feb. 17 — An Artist on His Work, Jason L. Seley, professor of Art;

Feb. 24 — Pre-Colombian Art, John F. Scott, assistant professor, History of Art.

Career Center Calendar

Jan. 27—Resume critique, 3 p.m., Career Center. Bring typed draft of your resume.

Jan. 27—United Nations Summer Internships Meeting, 7:30 p.m., Career Center.

Jan. 27—"Interviewing and Job Hunting," 12:20 p.m., and again at 4:35 p.m., Straight Loft #3.

Jan. 28—"Career Decision-Making," the first in a series of 8 sessions to be given every Friday from 2-3:30 p.m. in Martha Van Rensselaer 301.

Jan. 28—"Resume and Letter Writing," 12:20 p.m., Straight North Room.

Jan. 29—"Career Day," sponsored by the Divisions of Nutritional Sciences' Student-Faculty Council: "Nutrition and Food Professionals: Future Outlooks," 9 a.m.-4 p.m., Noyes Center. You must register in advance. Registration forms are available at the Career Day Table in Martha Van Foyer from 9 a.m.-1:30 p.m. until Jan. 28. All registration forms should be returned to MVR 335 by Jan. 28.

Jan. 31—"Techniques for Job Interviewing," 3 p.m., Career Center. Sign up in advance.

Jan. 31—"Resume and Letter Writing," 7:30 p.m., Career Center.

Feb. 1—Resume Critique, 10:45 a.m., Career Center. Sign up in advance.

Feb. 2—"Interviewing and Job Hunting," 7:30 p.m., Career Center.

Feb. 2—On-campus corporate recruiting begins. You must sign up in advance for interviews with these employers. Lists of employers recruiting and sign up procedures are posted in the Career Center, Carpenter Hall, Malott Hall, Ives Hall and Roberts Hall.

Feb. 3—Resume Critique, 3 p.m., Career Center. Sign up in advance.

Feb. 3—State and Local Government Internships Meeting, 7:30 p.m., Career Center.

Feb. 4—A representative from the Harvard School of Public Health will be at the Career Center to speak with interested students from a wide variety of disciplines in the natural and social sciences. Make an appointment through the Career Center.

Engineering Ambassadors

Engineering students interested in representing Cornell at high schools near their homes, helping plan programs for prospective new students and eliciting student opinion on such college activities as admissions and placement may apply for the Engineering Student Ambassador Program. Applications are available at 170 Olin Hall, 221 Carpenter and at the Engineering Library.

CIS Grants Deadline Set

The deadline for submitting applications for research grants from the Center for International Studies (CIS) is Feb. 15. Notification of awards, which will be made to both graduate students and junior faculty, will be made before March 18. Application forms are available at CIS, 170 Uris Hall, telephone 6-6370.

Grants of up to \$750 will be made for research of direct relevance to international or comparative studies. Funds may be used for research-related travel, employment of a research assistant, summer support, supplies and technical assistance, including computer expenses.

Professors-at-Large to Visit

Jacques Dreze, director of the Center for Operations Research and Econometrics at the Catholic University of Louvain, Belgium, will deliver a free, public lecture on "Economic Problems and Policies: Uncertainty or Ignorance?" at 4:30 p.m. Tuesday, Feb. 8, in Kaufman Auditorium, Goldwin Smith Hall.

As one of Cornell's Andrew D. White Professors-at-Large, Dreze will be on campus, leading economics seminars and talking with students and faculty, from Sunday, Jan. 30, through Saturday, Feb. 12.

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Ronald M. Dworkin, professor of jurisprudence at Oxford University and one of Cornell's Andrew D. White Professors-at-Large, will be visiting the campus through Tuesday, Feb. 8.

Dworkin will deliver a public lecture at 4 p.m. Monday, Feb. 7, at Ives 120. He also will meet with the Philosophy Discussion Club on Thursday, Feb. 3, will participate in Law School seminars and meet with other classes.

Leisure Reading Books Sought

Uris Library is enlisting the help of the Cornell Community to expand its collection of leisure reading books in the tower smoking room. Students in particular are urged to give, swap or lend paperbacks. The collection contains mysteries, short stories, general fiction, science fiction and some westerns. Bring donations, swaps or loans to the attention of Carolyn Cockrell in the Uris Reference Department. A substantial addition to the collection was made recently by the transfer of the mystery paperbacks housed in Olin Library.

Biochemistry Course Announced

Biochemistry 734, "Selected Topics in Nucleic Acid Biochemistry," will be offered at 9:05 a.m. Tuesdays and Thursdays during the first four-and-a-half weeks of the term in Wing Hall Library.

Leon A. Heppel, professor of biochemistry, will present the first four lectures. During the remaining time, students will present short seminars on topics of current importance in nucleic acid biochemistry. Those unable to present seminars will be required to prepare term papers.

Sage Notes

The next meeting of the Graduate Faculty will be held at 4:30 p.m. on Friday, Jan. 28, in Kaufmann Auditorium, Goldwin Smith Hall. The only scheduled order of business will be approval of candidates for January degrees.

Late registration is being held this week in Barton Hall. A \$10 late fee will be charged starting Jan. 31.

All graduate students must turn in course registration forms at Sage Graduate Center by Feb. 2. File forms early and avoid long lines!

NOW IS THE TIME TO CHECK INTO FINANCIAL AID FOR THE 1977-78 ACADEMIC YEAR:

The deadline is fast approaching for Cornell Continuing Graduate Student Fellowships. Applications are available at 116 Sage Graduate Center. The deadline date is Feb. 1.

The deadline for NDFL (NDEA Title VI) Fellowships is Feb. 1. Applications are available at 116 Sage Graduate Center.

For information on fellowships, grants and awards from non-University sources, ask to see the Fellowship notebook, available in the office of your Graduate Faculty Representative and also in the Graduate School Fellowship Office.

Applications are now being accepted for Graduate Work Study and Graduate Student Loans for the 1977-78 academic year at the Financial Aid Office, 203 Day Hall. Deadline for applications is March 1, 1977.

Calendar

January 27—February 6

*Admission charged.

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

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

Thursday, January 27

- 12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
- 4 p.m. Open reading - Prose and Poetry. Temple of Zeus, Goldwin Smith.
- 6 p.m. The Christian Science Organization invites students, faculty, staff and visitors to campus to a Readings and Testimony meeting in the Founders Room, Anabel Taylor.
- 7:30 p.m. Israeli Folk Dancing. One World Room, Anabel Taylor.
- 7:30 p.m. *Cornell Varsity Hockey-Princeton. Lynah Rink.
- 8 p.m. Thursdays Coffeehouse, featuring Mother Mallard's Portable Masterpiece Company. Sponsored by Willard Straight Hall Board. Memorial Room, Willard Straight Hall.
- 8 p.m. *Cornell Cinema presents "Pickwick Papers." Co-sponsored by Cornell Law School. Attendance limited. Uris Auditorium.
- 8:30 a.m.-4 p.m. Extramural Registration. Day 105.

Friday, January 28

- 11:15 a.m. Plant Physiology Seminar: "Methionine and Threonine Synthesis in Higher Plants." James T. Madison, U.S. Plant, Soil and Nutrition Laboratory, Cornell. Plant Science 404.
- 12:15 p.m. Women's Studies Friday Seminar. "Getting Even: The Abused Women in Shakespeare's 'Measure for Measure'." Marilyn Williams, instructor, Graduate School of Continuing Education, Elmira College. Bring a bag lunch if you wish; coffee available. ILR 105.
- 1:15 p.m. SALAT-AL-JUMA (Friday prayer for Muslims). Edwards Room, Anabel Taylor.
- 3 p.m. Happy Hour. Thirsty Bear Tavern, North Campus Union.
- 4 p.m. Happy Hour. The Pub, Noyes Center.
- 4:15 p.m. Coalition for the Right to Eat meeting to discuss issues of world hunger and campus activities to raise awareness. Forum, Anabel Taylor.
- 4:30 p.m. Regular meeting of the Graduate Faculty for consideration of the January degree list. Kaufmann Auditorium, Goldwin Smith.
- 4:30 p.m. Shabbat Services (Orthodox). Young Israel House.
- 4:30 p.m. *Cornell JV Hockey-Grimsby. Lynah Rink.
- 5:30 p.m. Shabbat Services (Conservative). Founders Room, Anabel Taylor.
- 5:45 p.m. *Cornell Freshman Basketball-Cortland. Barton Hall.
- 8 p.m. *Cornell Women's Hockey-Clarkson. Lynah Rink.
- 8 p.m. *Cornell Varsity Basketball-Brown. Barton Hall.
- 8 p.m. *Cornell Cinema presents "Patton." Attendance limited.
- 7 Deadly Sins Series. Willard Straight Theatre.
- 8:30 p.m. *Cornell Rock and Roll Society Dance with Zobo Funn Band. Straight Memorial Room.
- 8:30 a.m.-4 p.m. Extramural registration. Last day to register without payment of \$10 late fee. Day 105.
- 9:15 p.m. *Cornell Cinema presents "The Maltese Falcon." Attendance limited. 7 Deadly Sins Series. Uris Auditorium.
- 11:15 p.m. *Cornell Cinema presents "Take the Money and Run." 7 Deadly Sins Series Late Nite Special. Uris Auditorium.

Saturday, January 29

- 9 a.m. Cornell University's Division of Nutritional Sciences is presenting a Career Day entitled "Nutrition and Food Professions: Future Outlooks." Speakers from many different areas in the field will speak on career opportunities. Third floor lounge, Noyes Center.
- 9:30 a.m. Shabbat Services (Orthodox). Edwards Room, Anabel Taylor.
- 1:30 p.m. *Cornell JV Hockey-Grimsby. Lynah Rink.
- 2 p.m. *Cornell Swimming-Yale. Teagle Hall.
- 2 p.m. *Cornell Squash-Army. Grumman Squash Courts.
- 5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
- 5:45 p.m. *Cornell Freshman Basketball-Mohawk Valley Community College. Barton Hall.
- 7 & 9:15 p.m. *Cornell Cinema presents "The Maltese Falcon." Attendance limited. 7 Deadly Sins Series. Uris Auditorium.
- 8 p.m. *Cornell Cinema presents "Patton." Attendance limited.

Theatre, Willard Straight Hall.

- 8 p.m. *Cornell Varsity Basketball-Yale. Barton Hall.
- 8:15 p.m. *Cornell Polo-Valley Forge. Oxley Polo Arena.
- 8:15 p.m. Music Department Concert: student concert featuring Thomas Georgi, violin; James Parakilas, piano. Works of Bach, Brahms and Bartok. Barnes Hall.
- 9 p.m. *Dance, with Mother Freedom. Sponsored by Willard Straight Hall Board. Straight Memorial Room.
- 10 p.m. Catholic Mass. All welcome. Anabel Taylor Chapel.
- 11:15 p.m. *Cornell Cinema presents "Take the Money and Run." Attendance limited. Late Nite Special. Uris Auditorium.

Sunday, January 30

- 9 a.m.-1:30 p.m. *Sunday Brunch in the Rathskeller at Statler Inn. Classical International Cuisine.
- 9:30 a.m. Episcopal Church Worship Service. Sunday school and nursery provided. Anabel Taylor Chapel.
- 9:30 & 11 a.m. Catholic Mass. All welcome. Coffee hour follows Mass. Anabel Taylor Auditorium.
- 10 a.m. Ithaca Society of Friends (Quakers). Meeting for worship. Forum, Anabel Taylor.
- 11 a.m. Sage Chapel Convocation. Jack Riemer, Rabbi, Beth Abraham Synagogue, Dayton, Ohio.
- 12:30 & 5 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
- 5:30 p.m. *Hillel Deli Dinner with speaker Rabbi Jack Reimer. "Wisdom for the End of Life: Some Jewish Insights into Death and Dying." Reservations at Hillel Office, Anabel Taylor G-34. Dinner in the One World Room, Anabel Taylor.
- 7 p.m. Cornell International Folkdancers. 7-8 p.m. Advanced Teaching. 8-11 p.m. Requests. Everyone welcome. Straight North Room.
- 7 p.m. Cornell Table Tennis Club. Round robin singles. All welcome. Barton Hall.
- 7 p.m. *Benefit Square Dance, sponsored by Ecology Action. Straight Memorial Room.
- 8 p.m. *Cornell Cinema presents "Le Boucher." Attendance limited. 7 Deadly Sins Series. Uris Auditorium.
- 9 p.m. Coffeehouse, sponsored by North Campus Union Board. First floor lounge, North Campus Union.

Monday, January 31

- 12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
- 7 p.m. *Cornell Women's Basketball-Keuka. Helen Newman.
- 7:30 p.m. Lecture: "Winter Sports." Sponsored by Noyes Center Board. Third floor lounge, Noyes Center.
- 7:30 p.m. Hillel Seminar: "Sefer Aggadah." Informal discussion of selected passages of Midrashic literature. Some knowledge of Hebrew required. Founders Room, Anabel Taylor.
- 7:45 p.m. Ornithology Seminar. Public welcome. Lyman K. Stuart Observatory, 159 Sapsucker Woods Road.
- 9 p.m. *Cornell Cinema presents "Monika." Film Club Members only. Uris Auditorium.

Tuesday, February 1

- 12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
- 12:15 p.m. Cornell Women's Caucus. Uris Hall 494.
- 4:30 p.m. *Cornell Squash-Hobart. Grumman Squash Courts.
- 7:30 p.m. Folk dancing for couples. Singles, beginners, all ages welcome. Straight North Room.
- 8 p.m. *Cornell Cinema presents "The Fallen Idol." Attendance limited. Lost Illusions Series. Uris Auditorium.
- 8:15 p.m. Department of Music Concert: "The Viola D'Amore: Its History & Music." Lecture-Recital by Myron Rosenblum, viola d'amore; Raymond Erickson, harpsichord and piano, assisted by Sonya Monosoff, violin and John Hsu, viola da gamba. Works of Schuchpaur, Ariosti, Stamitz, Hindemith, Newlin and Schlein. Barnes Hall.

Wednesday, February 2

- 12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
- 4 p.m. *Cornell JV Hockey-RPI. Lynah Rink.
- 4:30 p.m. University Lecture: "Warfare and Defense in the Viking Age." David M. Wilson, director, British Museum. Kaufmann Auditorium, Goldwin Smith.
- 5 p.m. Episcopal Evening Prayer Service. Anabel Taylor Chapel.
- 7 p.m. *Cornell Cinema presents "The Blue Angel." Sternberg Directs Dietrich Series. Uris Auditorium.
- 7 p.m. Chess Club. Straight Art Lounge.
- 7:30 p.m. Workshop on Programs in Israel. Students will relate personal experiences on different programs in Israel. Founders Room, Anabel Taylor.
- 7:30 p.m. Hebrew Conversation: 7:30-8:15 p.m. beginning; 8:15-9 p.m. intermediate; 9-10 p.m. advanced. Anabel Taylor 314.
- 7:30 p.m. Cornell International Folkdancers: 7:30-9 p.m. teaching; 9-11 p.m. requests. Everyone welcome. Straight Memorial Room.
- 7:30 p.m. Bridge Club. Straight North Room.
- 7:30 p.m. Cornell Gay Liberation business/general weekly meeting. Straight 28. Open to the Cornell Community.
- 7:30 p.m. *Cornell Varsity Hockey-Northeastern. Lynah Rink.
- 9 p.m. *Cornell Cinema presents "Elvira Madigan." Swedish Cinema Series. Attendance limited. Straight Theatre.

Thursday, February 3

- 12:10 p.m. International Economic (Dis)Order Bag Lunch Seminar: "The Institutional Takeover of Consciousness Formation." Rose Goldsen, Department of Sociology. Sponsored by CRESO and CIS, coffee and cookies available. Uris Hall 202.
- 12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
- 4 p.m. Open reading-Prose and Poetry. Temple of Zeus, Goldwin Smith.
- 6 p.m. The Christian Science Organization invites students, faculty, staff and visitors to campus to a Readings and Testimony meeting in the Founders Room, Anabel Taylor.
- 7:30 p.m. Israeli Folk Dancing. One World Room, Anabel Taylor.
- 8 p.m. CUSLAR Free Film Series: "Mexico, the Frozen Revolution." Co-sponsored by Cornell Cinema. Uris Auditorium.
- 8:30 p.m. "Thursdays" featuring guitar/vocalist Steve Snider. Refreshments available. Open to the Cornell Community. Sponsored by Willard Straight Hall Board. Straight Memorial Room.
- 9 p.m. Noyes Center Free Film Series: "Magical Mystery Tour." sponsored by Noyes Center Board. Third floor lounge, Noyes Center.

Friday, February 4

- 6 p.m. *Cornell Freshman Basketball-Ithaca College. Barton Hall.
- 7 & 9:30 p.m. *Cornell Cinema presents "Family Plot." Attendance limited. Straight Theatre.
- 7 p.m. Pentangle II Free Film Series: Julien Duvivier's "Pepe le Moko." Uris Auditorium.
- 8 p.m. *Cornell Varsity Basketball-Harvard. Barton Hall.
- 8:15 p.m. *Lecture demonstration by the Jose Limon Dance Company. Barnes Hall.
- 8:15 p.m. Cornell Women's Polo-University of Conn. Oxley Polo Arena.
- 8:15 p.m. *University Unions Program Board is presenting "The Intimate P.D.Q. Bach." Tickets are available at Willard Straight Ticket Office, Egbert Union and McBooks. Bailey Hall.
- 9 p.m. *Cornell Cinema presents "The Clockmaker." Attendance limited. Uris Auditorium.
- 11 p.m. *Cornell Cinema presents "Truckstop Women." Late Nite Series. Attendance limited. Uris Auditorium.

Saturday, February 5

- 1 p.m. *Cornell Gymnastics-Southern Connecticut. Barton Hall.
- 5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
- 6 p.m. *Cornell Freshman Basketball-Genesee Community College. Barton Hall.
- 7 & 9 p.m. *Cornell Cinema presents "The Clockmaker." Attendance limited. Uris Auditorium.
- 7 & 9:30 p.m. *Cornell Cinema presents "Family Plot." Attendance limited. Straight Theatre.
- 8 p.m. *Cornell Varsity Basketball-Dartmouth. Barton Hall.
- 8:15 p.m. Department of Music Concert. Sonya Monosoff, violin. Barnes Hall.
- 8:15 p.m. *Performance by the Jose Limon Dance Company. Reserved seats. Statler Auditorium.
- 8:15 p.m. *Cornell Polo-University of Conn. Oxley Polo Arena.
- 10 p.m. Catholic Mass. All welcome. Anabel Taylor Chapel.
- 11 p.m. *Cornell Cinema presents "Truckstop Women." Attendance limited. Late Nite Series. Uris Auditorium.

Sunday, February 6

- 11 a.m. *Hillel Bagel Brunch. One World Room, Anabel Taylor.
- 12 noon. Hillel Conference: "The Changing Role of Women in Judaism: The Cherished Rose or the Thorn in the Side of Tradition?" Panel discussion, workshops and speaker: Joan Friedman, third year rabbinical student at HUC. Co-sponsored by Women's Studies Program. One World Room, Anabel Taylor.
- 12:30 & 5 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
- 2 p.m. *Cornell Cinema presents "Cheaper By The Dozen." Attendance limited. Children's Film Classics Series. Uris Auditorium.
- 4 p.m. Department of Music Concert: Malcolm Bilson, piano. Works of Beethoven, Schumann and Bartok. Barnes Hall.
- 7 p.m. Cornell Table Tennis Club. Round robin singles. All welcome. Barton Hall.
- 7 p.m. Cornell International Folkdancers: 7-8 p.m. advanced teaching; 8-11 p.m. requests. Straight North Room.
- 8 p.m. *Cornell Cinema presents "Scarlet Street." Attendance limited. Film Noir Series. Uris Auditorium.

EXHIBITS

Olin Library: "Cornell University Press Books and Early Ithaca Imprints," a brief history of the first university press founded in America together with a selection of books published in Ithaca before 1850, through Jan. 31.

ANNOUNCEMENTS

The North Campus Union Craft Studios now open. Regular hours will be 2-10 p.m. Tuesday through Thursday and 12 noon-8 p.m. on Saturday and Sunday. The Yarn Barn is open 6-9 p.m. Tuesday through Thursday and 1-5 p.m. on Saturday. Spring semester class schedules may be picked up at North Campus, Willard Straight Hall and Noyes Center main desks.