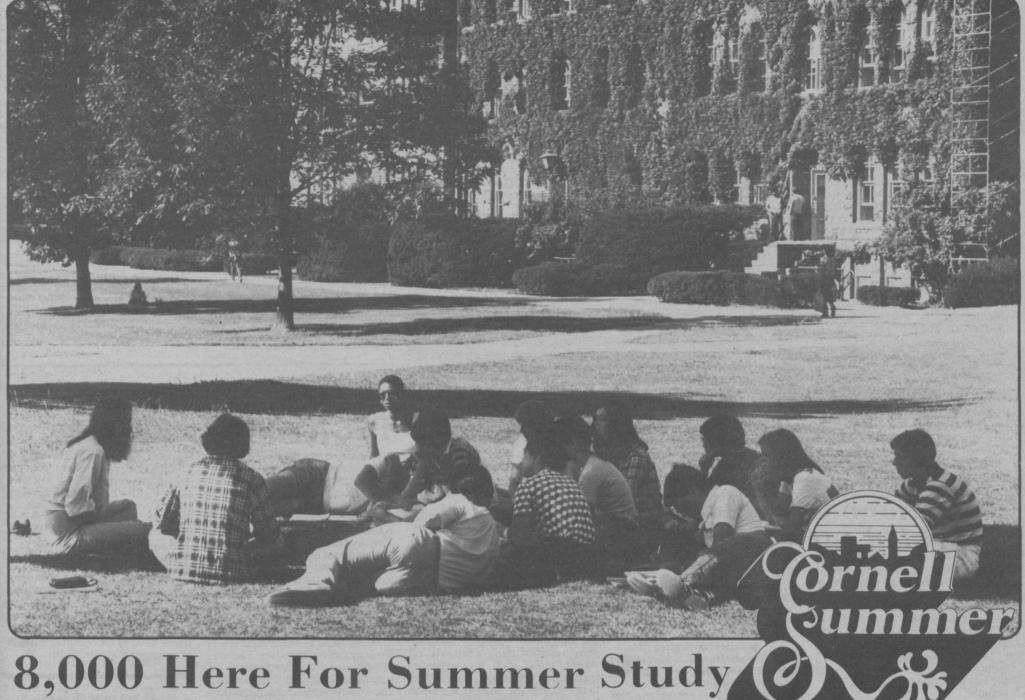
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Volume 11. Number 32

June 19, 1980



Range of Programs Is Broad

Cornell's Summer Session officially began in 1892 with 115 participants. Courses were offered in botany, chemistry, mathematics, philosophy, physics, English,

French, German and drawing. In 1980, summer study at Cornell includes more than 8,000 participants coming from as far away as Hong Kong and as close as Uris Hall. Programs range from introductory courses in photography and computer science to the seductiveness of evil and sociobiology and modern Darwinism.

Some 800 of this year's participants are high school students attending college for the first time in the advanced placement program. More than 1,000 adults are registered in Cornell's Adult University (previously known as Cornell Alumnew interests or taking courses not

ni University).

Other participants are business people and professionals participating in the Executive Development program, hotel management or law courses, conferences or other special programs.

There are also some 2,100 regular Cornell students attending classes to accelerate programs, explore

offered in the regular academic

At a time when money is tight and gas is expensive, Adult University and conference enrollments are the highest they've ever been, up over 22 and 30 percent respectively.

Hard work is not the only thing Cornell offers its summer visitors. There will be a concert and free lecture series, on-campus movies at

low admission charges, sports, games and fireworks. Off-campus there is theatre, camping, hiking, sailing, wine-tasting and a myriad of other summer events.

To those of you who are new to Cornell, the faculty, staff and administration welcomes you. To those of you who are returning,

Uris Gives \$3 Million, Gould \$1 Million Campaign Close to \$205 Million

Gifts to the university totaling \$4 million-from two alumni celebrating their 55th and 50th class reunions-were announced last Saturday by President Frank Rhodes at the Cornell Alumni Association annual meeting in Statler Hall Auditorium

Harold D. Uris of New York City, an investment builder and a 1925

Cornell graduate, has made a \$3 million commitment on behalf of the Uris Brothers Foundation for an addition to Uris Library, the university's main undergraduate library. The foundation was established by Harold and his late brother, Percy.
Milton Gould, also of New York

City, a principal partner in the law

firm of Shea and Gould and a 1930 Cornell graduate, has pledged \$1 million to the Cornell Law School Gould and his wife, Eleanor, established the Milton and Eleanor Gould

Endowment Fund with the gift.
Rhodes called the gifts "magnificent." He said this Uris gift is "the most significant" of several from them. The giving of the Uris

Brothers Foundation is "a tribute to the inspired partnership" of Harold and Percy Uris, Rhodes stated.

As a result of the gifts, the five-year, \$230 million Cornell Campaign is close to \$205 million. The campaign is scheduled to end in Decem-

This gift from Uris brings the total of his personal and Uris

Brothers Foundation giving to Cornell to \$9.3 million.

Earlier gifts have been for the construction and maintenance of Uris Hall, Cornell's social sciences building; the construction of Uris Auditorium in the New York Hospital-Cornell Medical Center in New York City; and the renovation

Continued on Page 7

Deception Is Subject of Research

Is the 'Smuggler' Really a 'Smuggler?'

A graduation gift from my mother,

rest her soul."

Day in and day out, probably no one hears more lies, fibs and halftruths than U.S. Customs Service officers. Of the thousands of trav-elers passing through customs in-spection, they must decide which to detain for the dreaded luggage

When a team of psychologists from Cornell set up a mock customs inspection station at Syracuse's Hancock International Airport, the researchers thought they knew some of the telltale signs of a lying contraband smuggler — shifty eyes perhaps or sloppy appearance or a point of departure from a drug-rich

country.

Led by Robert E. Kraut and Donald Poe, the researchers recruited 110 volunteers from persons waiting for planes and gave approximately half of them miniature cameras of the type sold overseas, small pouches of white powder and other contraband. All volunteers, including the "smugglers," were instructed to present themselves as honest citizens with nothing to hide as a videotape camera filmed their interviews with a uniformed customs officer.

Later, 35 customs officers and 49 laymen were shown the videotapes, then asked which of the travelers

"This little old fur coat? Why, they thought were lying and why I've had it for years. And the watch? they would have them searched. To the surprise of the psychologists. the professional customs officers and the laymen generally agreed on whom to search. They used such clues as the volunteers' nervousness, short answers and hesita-

> Also surprisingly, both the professional customs officers and the laymen who watched the interviews were mostly wrong.

"Travelers who were given contraband were good liars," writes
Kraut in a paper, "Behavioral
Roots of Person Perception," to be
published in the Journal of Personality and Social Psychology. "Both
customs inspectors and laymen were less suspicious of them than of travelers who were not carrying contraband."

The purpose of the study, which was funded by a grant from the National Institute of Mental Health, was to demonstrate the value of what Kraut calls a social psychophysical approach to person perception—an approach that focuses on the behavior of the person-and the fact that many of the wrong people were singled out to be searched does not affect the results of the study, according to Kraut, an assistant professor of psychology and sociology.
"Our analyses show that trav-

elers were most likely to be

searched if they were young and lower class, appeared nervous, hesitated before answering, gave short answers, shifted their posture and had taken pleasure trips," he said. "But the young and the poor were searched more, primarily because they acted differently from other travelers.

'The results of our simulation strongly suggest that a person's performance in a social encounter the verbal and nonverbal behaviors we have termed comportment - is the central casual factor that determines whether lay or professional judges think the person is

The travelers' comportment, rather than the judges, stereotyped beliefs caused many of the professional customs inspectors as well as the laymen to suspect particular travelers, Kraut observes, citing as examples two volunteers who were well-dressed, in their 50s and on short business trips.

A lawyer who constantly fumbled with a scarf and overcoat, avoided eye contact, claimed not to remember any specific purchases and was perceived as nervous was sin-gled out for searching by 84 percent of the persons watching the videotapes. But an investment wholesaler of similar age and background who kept his hands steadily on the table, maintained eye contact and did not evade questions while remaining calm aroused the suspicions of only 26 percent of the

Determining exactly who is lying is not so easy, according to Kraut, whose research in recent years has concentrated on signs of deception. In most research on deception, the psychologist observes, judges are more accurate than chance in deciding who is lying, but not accurate enough to be useful.

"Through a process of feedback and adaptation, liars have become able to control many of the external signs of stress, guilt, fear or concentration that are easily readable cues to deception. The process of adaptation may occur through biological evolution or individual learning," he

when Sen. William Proxmire (D-Wis.) conferred one of his monthly "Golden Fleece" awards on Kraut's research into why people really smile in such public places as bowling alleys, collegiate hockey games and sidewalks, the Cornell psy-chologist replied: "The study of human nonverbal behavior is important because so many of our impressions of other people and our

behaviors toward them are based on the small and fleeting facial expressions and body movements they

In a related study, also funded by the National Institute of Mental Health, Kraut staged simulated job interviews and instructed some volunteer subjects to lie and others to tell the truth when asked if they smoked marijuana. Observers watching videotapes of the mock job interviews tried to determine which of the "applicants" was lying Again, those who hesitated were judged as lying, Kraut reports, but only when their answers were selfserving. Otherwise the pause in their speech made them appear more honest.

"Occasionally, social behavior operates in an agonistic or sparring mode," Kraut wrote of the job interview experiments, "The interaction resembles a contest in which the actor tries to present himself in one way and the audience tries to see through this presentation to the actor's real qualities.

"Presidential debates, job and psychiatric interviews, labor-management negotiating sessions, first dates, defense testimony and police interrogations are often performed in the sparring mode."

After reviewing experiments conducted by other researchers at-tempting to detect deception, Kraut notes that even though people were not very accurate at judging deception, "the cues and strategies that people use are important from a practical as well as a theoretical

point of view.'

"Many socially important de-cisions about individuals are based on informal judgments of trustworthiness, sincerity and truthfulness," according to the Cornell psychologist. "Police interrogators, lawyers, juries, customs inspectors, job interviewers and television viewers watching presidential debates all base some of their subsequent behavior on what they believe to be verbal and nonverbal cues to deception.'

Telephone Information Provided for Visitors

Following is a list of emergency telephone numbers and other impor-tant campus telephone numbers as well as instructions on how to use your campus phone.

To reach a Cornell operator, dial

To reach an on-campus number from an on-campus phone, dial 6 and the last four digits of the telephone

To reach an off-campus, local number dial 9 and the seven-digit number.

Long distance calls cannot be made from a campus phone by Summer Session or Special Program participants unless they are collect calls or charged to a credit card accepted by the New York Telephone Co.

To make such a call, dial 9+0+(area code)+number. **IMPORTANT CAMPUS NUMBERS** Fire, Accidents, Emergencies Public Safety 6-111 Gannett Clinic Mental Health 6-5155 6-5208 **Emergency Counseling**

& Referral Service

Religious Affairs

6-4214

Suicide Prevention & Crisis Service 272-1616 Ombudsman 6-4321 Other Summer Session Office Information & Referral 6-4987 6-6200 Center Willard Straight Desk 6-3450 Lost & Found 6-7197 Registrar Athletic Events 6-3752

The Department of Public Safety is open 24 hours a day. The Suicide Prevention and Crisis Service office operates its telephone service 24 hours a day, seven days a week. This service is also equipped to provide counseling for rape victims and battered adults and children.

Construction Projects Proceed on Schedule

Construction activity is in full swing at three major projects on campus, the new Biological Scies Facility at Lower Alumni Field, the Gannett Clinic addition, and the ultraclean laboratory at the National Research and Resource Facility for Submicron Structures.

Aiming for an opening date of December 1981, construction crews have reached the fourth-story level of the Biological Sciences east wing, which will house the Section of Neurobiology and Behavior, and are starting the three-story west wing, to be occupied by the Section of Ecology and Systematics. The 123,000square-foot, \$14.2 million structure, which is being built to vibration-free standards to accommodate delicate equipment such as electron microscopes, will include an atrium on Tower Road.

An overnight patient observation area, a mental health clinic, and a health services library are among the features of the Gannett Clinic addition, which is funded largely through a \$1 million grant from the Gannett Foundation. The threelevel facility is expected to be ready by late August or early September. With the completion, expected by

December 1980, of the addition to

School of Electrical Engineering's Phillips Hall, researchers from Cornell and other institutions will have a new facility to study and develop electronic devices with dimensions of less than one micron (one millionth of a meter). Construction of the 7,000-square-foot laboratory began in January 1980. The National Research and Resource Facility was established at Cornell in 1977 with a \$5 million grant from the National Science Foundation to seek better ways to produce tiny patterns that can be incorporated into elec-tronic devices for communications and computer applications

Emily Day

A memorial service for Emily Day, widow of former Cornell President Edmund Ezra Day, who died April 7, 1980, in Williamstown, Mass., will be held at 1:30 p.m. Saturday in the Memorial Crypt of Sage Chapel.

The Rev. John A. Taylor, Unitarian chaplain at the university, and the Rev. W. Jack Lewis, director of Cornell United Religious Work, will

Jobs

Cornell Chronicle Editor, Randall E. Shew. Staff writers, H. Roger Segelken, Robert W. Smith, Barbara Jordan-Smith, Martin B. Stiles. Photographers, Sol Goldberg, Russ Hamilton. Circulation Manager, Joanne Hanavan.

(USPS 456-650)

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The following job openings are new this week. For information on vacant positions listed in previous issues of the Chronicle, contact Personnel Staffing Services, 440 Day Hall. Cornell is an offirmative action employer. affirmative action employer.

Administrative/Professional Coordinator of Computing Services, CP05 (B&PA)

Supervisor, Physical Plant and Per-sonnel, CPO2 (Diagnostic Lab.) Visual Specialist I, CPO2 (Media Ser-

Clerical Secretary, GR19 (Agricultural Eco-

Secretary, GR18 (University Development)

Secretary, GR18 (NYSSILR) Accts. Asst., GR18 (Endowed Accoun-

ting)
Library Aide, GR18 (Univ. Lib.,

Olin/Catalog)
Office Asst., GR17 (Office of the Acct. Clerk II, NP9 (Food Science)

Technical
Technician, GR22 (Biochem., Molec.

Part-Time/Temporary Technician, GR19 (Food Science) Photo Asst., GR18 (Materials Science & Engr.)
Field Asst., GR17 (Agronomy)

Temporary Paper Grader (Communication Arts)

Academic
Assoc. or Asst. Professor (Agronomy)
Research Assoc. III (Plant Pathology)
Research Assoc. (Agricultural Engi-

Lecturers (Human Services Studies)

Lecturer/Staff Attorney (Legal Aid

1,868 Alumni Return to Campus

Uplift and Education Are Keynotes

Uplift and education were prime items on the agenda for Alumni Reunion 1980 June 12 through 15.

Though alumni received substantial spiritual and emotional elevation from each other and the gorgeous Ithaca weather, the high point came Saturday morning at the Alumni Association annual meeting in Statler Auditorium when university President Frank Rhodes announced gifts of \$1 million from Milton Gould '30, Law '33, and \$3 million from Harold Uris '25 on behalf of the Uris Brothers Founda-

Before that encouraging announcement, the 1,868 reuning alumni had plenty of opportunity for learning from Cornell faculty and from other alumni. Some of the highlights:

Two programs in Statler
Auditorium Friday afternoon attracted nearly full houses. Four
Cornell faculty looked at the upcoming presidential race; Robert J. Kane '34 discussed the Olympic boycott

Election Not Encouraging
Liam Ebrill, assistant professor
of economics, sees little that is encouraging in the economic programs of the three major can-didates, but observed that there is a trend toward tax reform packages that would increasingly help capital

He said there is more concern lately toward the capacity of the U.S. economy to produce, and that after the next few years, the 1980s "look good" because of that con-

Richard Rosecrance, the W.S. Carpenter Jr. Professor of International and Comparative Politics, said the expertise to deal with forsaid the expertise to deal with foreign policy is low among the candidates. World opinion about the
current U.S. foreign policy ranges
from "incompetent" in Europe to
"weak" in China, he said.
In a second term, President
Carter "has to be more effective;
he couldn't be less," Rosecrance
said, and that Ronald Reagan would
need at least two years to become

need at least two years to become effective

Joel H. Silbey, professor of American history, observed that partisanship, personality and issues positions are what presidential candidates must mix as they campaign. All are now "trying to orchestrate their appeal," he said.

Silbey discounted the candidacy of John Anderson. He said that, traditionally, third party candidates have "a high appeal rate" early in a campaign, but drop off sharply. "I don't take a third party movement all that seriously," Silbey said. A real third party formed by Anderson that would make "a revo-

lutionary difference in our political system" is the only really good thing that Theodore J. Lowi, the John L. Senior Professor of American Institutions, could see possible in the 1980 campaign.
Lowi described the presidential

candidate situation as "a Catch 22: The only persons really qualified for the job are those smart enough to refuse it."

Kane: "One-Shot Arsenal"

pic Committee and dean emeritus of Cornell athletics, brought to the alumni a message similar to one he'd given graduating seniors and their parents on May 25:

He has backed Carter's call for the Olympic boycott from the begin-ning, but he was critical of using the tactic before other options could be pursued in dealing with the Russian invasion of Afghanistan.

Kane called a boycott a "one-shot arsenal;" it left the Olympic Committee with no other options.

Nearly 300 women — and a couple of men — heard trustees Patricia Carry Stewart '50 and Barbara Way Hunter '49 address the Cornell Women's Breakfast Saturday morn-

ing in the Straight.

Stewart paid tribute to "the truly significant contributions" of Constance E. Cook '41, Law '43, retiring as Cornell's vice president for land grant affairs. She said the "special beneficiaries" of Cook's efforts "have been the women of the state and of the university.

Hunter, one of the principal owners of Dudley-Anderson-Yutzy Public Relations, Inc. in New York City, offered a short course in public relations practice and history. She noted that "positive visibility for Cornell is crucial," and asked alum-ni to practice what she'd preached whenever possible.

Space Programs Urged
Lecturing Friday in Uris
Auditorum on "Exploring the Solar System," Joseph Veverka, pro-fessor of astronomy, concluded his slide and movie tour of Mars and Jupiter with a pitch for increased government spending on space programs, particularly a rendezvous with Halley's Comet in 1986. "What would such a mission

cost?" asked an alumnus. The audience stirred: Was there a poten-

tial benefactor in their midst?
"About \$300 million," Veverka
replied. That answered all ques-

The university grew a bit greener over reunion weekend with the dedication of the Ruth Uris Garden on Tower Road and a cool greenhouse at the Plantations.

The garden on the slope below the A.D. White House was built by the university as a tribute to the generosity of the Uris family. It includes flowering trees, evergreens, ferns, flowers, stone walkways and a foun-

The cool greenhouse, a gift of the Bowers Foundation, the Neill and Elizabeth Houston Fund, the J.M. McDonald Foundation and the Natural Heritage Trust, will be maintained near 65 degrees in the sum-mer and near 40 degrees in the winter. The two-sectioned glass structure will be used to propogate rhododendrons for teaching and for breeding, and for general needs of the Plantations.

In a Saturday ceremony, the Moot Court Room in Myron Taylor Hall was dedicated in honor of John W. MacDonald, the Edwin H. Woodruff Professor of Law Emeritus. Mac-Donald, who attended the ceremony with his family, has been associated with Cornell as a student and faculmember since 1921.

Eight members of the New York State College of Agriculture and Kane, president of the U.S. Olym- Life Sciences faculty were honored



Veteran groundsman Louis DiRusso greets Ruth D. Uris at the dedication of the garden below the Andrew D. White House on Tower Road in her honor. Standing behind Mrs. Uris are President Emeritus Dale R. Corson, and her husband, Harold D. Uris. DiRusso, a 48-year employee of the university, was actively involved in the construction of the garden. The dedication took place Saturday.

by the college's alumni association at a Saturday breakfast. Retiring at the end of the 1979-80 academic year

are:
Carl W. Boothroyd, plant
pathology; Warren F. Brannon, animal science; Benjamin E. Clark, animal science; Benjamin E. Clark, seed and vegetable science at Geneva; Loy V. Crowder, plant breeding and biometry; Otis F. Curtis, pomology and viticulture; Edward W. Foss, agricultural engineering; Chester H. Freeman, communication arts; and Milton L. Scott,

Two Agriculture College graduates were cited as "outstanding alumni" in a Saturday ceremony. Harold L. "Cap" Creal '21 and Mort Adams '33 were recognized by the college's alumni association.

As usual in recent years, Barton Hall was the center of reunion ac-tivity. Two all-alumni luncheons were held there, and some 30 Cornell departments and programs had

And, as always, there was: the Savage Club Show, Cornelliana Night, tent parties, canoeing on Beebe Lake, golf, swimming, tennis, fraternity and sorority open houses and receptions.

Robert W. Smith

COURSE REGISTRATION

In Barton Hall Wednesday June 25

8:30-11:30 a.m.; 1-3:30 p.m.

Calendar Of Events

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

-Admission charged.

Announcements

Commons Coffeehouse Summer schedwhen the content of t

Dance

Every Monday, 7-10 p.m. Ithaca Commons Central Pavilion. Cornell Country Dance Club Contra dance, Square dance, Circles, Mixers, Waltzes, Polkas. Live music. Open to the public. All dances are taught. Beginners are welcome and encouraged to come early. New musicians are invited. Free.

Every Tuesday, 7:30-10:30 p.m. Martha van Rensselaer Auditorium. Couples dancing. Scottish, English and International, teaching and requests. Free, singles welcome

Every Wednesday Straight Memorial Room. International folkdancing.
Beginner's dances taught 7-8:30 p.m., request dancing 8:30-9:45 p.m. Free.
Every Thursday Anabel Taylor One World Room. Israeli folkdancing.

Teaching 8-9 p.m., requests 9-11 p.m. Free. Begins June 26.

Free. Begins June 26.
Every Sunday Straight North Room.
International folkdancing. Intermediate
and advanced dances taught 7-8 p.m.,
request dancing 8-9:45 p.m. Free.

Exhibits

Olin Library "The Growth of an Artist: Louis Agazziz Fuertes." Sketches, drawings, paintings and letters of the famed bird illustrator, from the collection given to Cornell by his daughter, Mary Fuertes Boynton, as arranged by Mrs. Boynton and Professor Frederick G. Marcham, through July 26.

G. Marcham, through July 26. Herbert F. Johnson Museum "The Art of the Meiji Era: 1869-1912)," through June 29; "Sculpture by Kenneth Washburn, Class of 1926," Reunion exhibition: through July 6; "Permanent Collection" including recent acquisitions (Modern, American and prints), Asian art, and sculpture. Museum hours: Tuesday through Sunday from 10 a.m. to 5 p.m.

Films

Except where noted films are under sponsorship of Cornell Cinema.

June 19,8 p.m. *Uris Hall Auditorium.

'Shadow of the Thin Man'' (1941),
directed by W.S. van Dyke, starring
William Powell, Myrna Loy, Asta.

Friday
June 20, 8 p.m. *Uris Hall Auditorium.
"Mr. Lucky" (1943), directed by H.C.
Potter, starring Cary Grant, Laraine
Day, Charles Bickford.

June 21, 8 p.m. *Uris Hall Auditorium.

'High Noon' (1952), directed by Fred
Zinnemann, starring Gary Cooper,
Grace Kelly, Thomas Mitchell.

Sunday June 22, 8 p.m. *Uris Hall Auditorium. "Rebecca" (1940), directed by Sir Alfred Hitchcock, starring Sir Laurence Olivier, Joan Fontaine, Dame Edith Evans, George Sanders.



Creation Urn is on view at the Johnson Museum as part of an exhibition of small bronze sculptures and reliefs by Kenneth Washburn '26. The exhibition will be at the museum through July

Monday June 23, 8 p.m. *Uris Hall Auditorium. "The Pink Panther" (1964), directed by Blake Edwards, starring Peter Sellers, David Niven, Capucine.
Tuesday

June 24, 8 p.m. Morrill Hall 106.
Classics of Early Soviet Film. "Man
With a Movie Camera" (1928), Dziga
Verrov. Free and open to the public.
June 24, 8 p.m. *Uris Hall Auditorium.
"Some Like It Hot" (1959), directed by

Billy Wilder, starring Marilyn Monroe Tony Curtis, Jack Lemmon.

Wednesday
June 25, 8 p.m. *Uris Hall Auditorium.

'Hiroshima Mon Amour'' (1959),
directed by Alain Resnais, starring Em-

mannuele Riva, Eiji Okada.

Thursday

June 26, 8 p.m. *Uris Hall Auditorium.

"The Thin Man Goes Home' (1945), directed by Richard Thorpe, starring William Powell, Myrna Loy, Asta.

Friday
June 27, 8 p.m. *Uris Hall Auditorium.
"Topper" (1937), directed by Norman
McLeod, starring Cary Grant, Constance

Friday & Saturday
June 27 & 28, 8 p.m. *Statler
Auditorium. "Breaking Away" (1979),
directed by Peter Yates, starring Dennis Christopher, Dennis Quaid, Daniel Stern.

Christopner, Dennis Quaid, Daniel Stern Saturday June 28, 8 p.m. *Uris Hall Auditorium. ''Shall We Dance'' (1937), directed by Mark Sandrich, starring Fred Astaire, Ginger Rogers.

Sunday
June 29, 8 p.m. *Uris Hall Auditorium.
"Captain Blood" (1935), directed by
Michael Curtiz, starring Errol Flynn, Olivia de Havilland.

Lectures

Sunday
June 29, 3-4 p.m. Johnson Museum. "
Imperial Japan: Art of the Meiji Era,
(1868-1912)" Series. "Looking at Details:
Japanese Art Materials." For further
information, call Education Department

Miscellaneous

Farmers' Market: Saturdays, next to the Station Restaurant, West Buffalo

Street, 9 a.m. to noon.

Square Dancing: Fridays, Square-ANaders, Newfield School, 8 to 10 p.m.

Mondays, Cornell Country Dance, Commons, 7-10 p.m.

Bolles Sketing: Ido's on Judd Folls

Roller Skating: Ide's on Judd Falls

Road: Cass Park Rink on Route 89.

Road; Cass Park Rink on Route 89.
Sailing: Rental boats are available at
Stewart Park Boat House and at
Taughannock State Park Marina.
Swimming: Cass Park Pool, located
on Route 89. Open from noon to 7 p.m.
Entrance fee: \$1 adults, 75 cents for
children ages 13-17 and 50 cents for those
under 12. Treman, Buttermilk and
Taughannock State Parks. East park has
\$2 entrance fee. Flat Rock, located off \$2 entrance fee. Flat Rock, located off Forest Home Drive. Free and great for the kids—wading only.

Tennis: Several courts are located

around the campus and at Cass Park, Ithaca High School (lighted for night play), Ithaca College and Stewart Park. Golf: Cornell Golf Club: Warren Road.

18 holes, 6,347 yards, par 72 (for men), 5,411 yards, par 71 (for women). Fees: \$4 for students, \$6 for school personnel, \$8 for summer students and conferees, \$12 for summer students and conferees, \$12 for introduced guests and alumni. 256-3361. Newman: Willow Ave., 9 holes, 3,330 yards, par 36. Fees: \$3.50 weekdays, \$4.50 weekends and holidays, \$3.50 after 5 p.m. 273-6262. Dryden Lake: 430 Lake Road, Dryden, 9 holes, 2,600 yards, par 33. Fees: \$3.50 weekdays, \$4.50 weekends and holidays, 844-9173. ends and holidays, 844-9173.

Stonehedges: Lick St., Groton, 18 holes, 6100 yards, par 72 (men), 5,250 yards, par 74 (women). Fee: \$4.00. Trumansburg Golf Course: Halsey St., Trumansburg. 18 holes, 6,322 yards, par 70 (men); 5,194 yards, par 74 (women). Fee: \$4 weekdays, \$5.50 weekends and holidays; \$3.50 for 9 holes; \$3.50 for senior citizens; and \$3.50 after 5 p.m. any day. 387-8844.

Hillendale: 218 Applegate Road. 18 holes, 5,870 yards, par 70 (men), 5,610 yards, par 74 (women). Fees: \$4 on weekdays, \$5.50 weekends and holidays. 273-2363.

Music

Pianist Fei-Ping Hsu, a student at the Eastman School of Music, will give a free public concert at 8:15 p.m. Monday, June 23, in Walter Ford Auditorium on the Ithaca College Campus.

Hsu will play a program of all Chopin pieces. Included in the program will be Four Mazurkas, op 24; Sonata in B flat minor, op 35; Three Etudes, op 15; Nocturne in B major, op 62, No. 1 and Scherzo in B flat minor, op 31.

When Hsu was an 11-year-old prodigy in mainland China, his teacher died. The circumstances of the Cultural Revolution prevented him from resuming for-

tion prevented him from resuming for-mal training until this past fall when the 27-year-old pianist arrived at the Eastman School of Music to study with David "That Fei-Ping plays competently is remarkable; that he plays so beautifully is little less than a miracle," wrote

Stepehn Wigler, music reviewer for the Rochester Democrat and Chronicle.
In October, Hsu is scheduled to be mainland China's representative at the Chopin International Competition in

Every Monday, 7-10 p.m. Ithaca Commons Central Pavilion. Cornell Country Dance Club Contra/Square Dance with Irish, Scottish, American, Bluegrass music. Live music, new musicians are invited

Friday, June 20, 8 p.m. *The Strand, 310 West State St. Community Chorus. Thursday, June 26, 7 p.m. The Commons, West entrance of the First National Band, Ithaca Concert Band, Inc. "Supmer Nights '90" 'Summer Nights '80.

Friday, June 27, 8 p.m. *The Strand, 310 West State St. Frederick Chrislip, tenor and classical guitar recital. Saturday, June 28, 8 p.m. *The Strand, 310 West State St. Tompkins County Miss

Teenage Pageant.

Sunday, June 29, 7 p.m. Taughannock State Park. Ithaca Concert Band, Inc. "Summer Nights '80."

Religion

Every Friday, 7:30 p.m. Anabel/Myron Taylor Courtyard. Hillel Conservative Services. If raining, services will be in Anabel Taylor Edwards Room. Starts June 27.

Every Saturday, 9:15 a.m. Anabel Taylor Edwards Room. Hillel Orthodox

Seminars

Biochemistry-Biophysics: "Motion of Hormone Receptors on Cell Mem-

branes," Joseph Schlessinger,
Weizmann Institute, Rehovot, Israel,
1:30 p.m. Friday, June 20, 700 Clark Hall
Biochemistry-Biophysics: "The
Leucine Operon of S. typhimurium and
E. coli: Biochemical Analysis of Regulators Mutations," Lillie Searles, 12:20
p.m. Friday, June 20, Wing Hall Library.
Biochemistry, Molecular and Cell
Biology: "Regulation of Alanine Transport by a Membrane Potential-Dependent Gating Effect in
Rhodopseudomonas Spheroides," Ilan

Rhodopseudomonas Spheroides," Ilan Friedberg, Tel Aviv University, Israel, 12:20 p.m. Monday,June 23, 105 Riley Robb.

Theater

Tues. through Sat., June 24 through 28, 8:15 p.m. *The Hangar Theatre. "Brigadoon" by Allen J. Lerner, guest director Janet McCall.
Sat. June 28, 3:30 p.m. *The Hangar

Sat. June 28, 3:30 p.m. *The Hangar Theatre. "Brigadoon." Tickets may be ordered by phone between noon and 5:30 p.m. daily except Sunday at 273-2432.

June 20-22 and 27-29, 8:15 p.m.
*Central Castings, 407 Taughannock Blvd. "Act for Our Times" and "Happy Endings." Tickets available at McBooks on the Commons, 106 North Aurora St. or by calling 272-1688. by calling 272-1688.

Workshops

Sunday June 22, 3-4 p.m. Johnson Museum "Imperial Japan: Art of the Meiji Era, (1868-1912)" Series. "Art: East vs. West." Workshop leader: Carla Bach, education assistant.

Sponsored Programs

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

SPECIAL RESEARCH OP-PORTUNITIES ASSOCIATED WITH THE MT. ST. HELENS VOLCANO ERUPTION

The recent eruption of Mt. St. Helens is the most severe example of volcanism in the continental United States in this century. The geophysical, ecological, environmental and economic impacts of the eruption present unique op-portunities for research projects in a

variety of physical, biological, engineering and social sciences.

The National Science Foundation will respond as rapidly as possible to proposals for research associated with the eruption and subsequent events. To be considered for expedited processing, proposals must involve data gathering or experiments on transient phenomena. experiments on transient phenomena where failure to act in a timely fashion would mean loss of research op-portunities. Research proposals which do not carry such pressing time demands should be submitted to NSF for processing in normal fashion.

Each NSF research directorate will

accept new or supplemental proposals for this expedited processing in its re-

Prior to submitting a proposal, the appropriate directorate representative should be contacted. It is anticipated that grants will average about \$10,000. Proposers will be notified of NSF grant actions within seven working days from

the receipt of the written proposal.

For further information and a list of the NSF representatives, please contact

the Office of Sponsored Programs, 123 Day Hall.

NSF DEVELOPMENT IN SCIENCE EDUCATION (DISE)

The long term goal of the National
Science Foundation's Development in
Science Education (DISE) Program is to
increase the quality and diversity of science education. It provides funding to originate, develop and experiment with new ideas having potential for improving science education. The five areas that will be specifically focussed on for FY 1981 are: science for the early adolescent; improving access to careers in science for women, minorities and the physically handicapped; science literacy, and science, technology and society; new knowledge and new skills -education for productivity; technology for science education and continuing education.

Activities supported by DISE include: development, testing, and evaluation of new instructional materials; design, testing, and evaluation of innovative in-structional delivery modes both in formal school settings and in out-of-school situations; and identification of technologies that promise enhanced effectiveness of science education.

Preliminary proposals are required and may be submitted at any time. Starts for June, July or August of 1981 should be submitted this summer.

Further information is available in the Office of Sponsored Programs, 123 Day

NATIONAL HUMANITIES CENTER The National Humanities Center, Research Triangle Park, North Carolina, has set a January 10,1981, receipt dead-line for applications under its 1981-1982 FELLOWSHIP PROGRAM. Each year the Center selects approximately 40 fel-

SMTWTFS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

lows in the humanities and social sciences from America and abroad. Representatives of the natural sciences and the professions may also receive fellowships and participate in seminars. Fellowships awarded for the academic year, although some shorter residencies may be arranged. Support is offered for: (1) Young Fellows - scholars three to ten young reflows - scholars three to ten years beyond the doctorate; (2) Senior Fellows - scholars more than ten years beyond the doctorate; (3) Fellows to participate in the following Seminars -Energy and the Values of Modern Socie-ty; The Idea of a Profession; Literary Theory on Criticism; Biography as History; and the Charles Frankel Seminar on Citizenship. The amount of the fellow-ship stipend is based on the fellow's salary, and applicants are encouraged to bring some support with them if pos-sible. Fellows who have received partial support in the form of sabbatical salaries or grants from other funding sources normally receive from the Center the difference between that support and their usual salaries. Scholars with full support from another source may apply for residence at the Center without stipend. All Fellows are asked to submit a curriculum vita, financial statement, and a detailed account of the research project they wish to undertake. For further information and application ma-terials contact: Kent Mullikin, Assistant Director, National Humanities Center, P.O. Box 12256, Research Triangle Park, N.C. 27709 (919) 549-0661.

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Further information is available in the

Office of Sponsored Programs, 123 Day

THE COMMUNITY EDUCATION

June 30th has been designated the Postmark deadline by the Department of Education for applications to its Com-munity Education Program.

This program provides support to in-

stitutions of higher education to plan, establish, expand, and operate community education programs; promote effi-cient use of school facilities; encourage effective delivery of social services; and train persons involved in community

Priority is given to applications which are designed to serve as exemplary models or which build an agency's long range capacity to maintain community

\$500,000 is available for this funding

Additional information on priority areas of training is available in the Office of Sponsored Programs.

Application forms and program in-

formation is available by writing to Community Education Program, De-partment of Education, Room 5622, Re-gional Office Bldg. 3, 400 Maryland Avenue, S.W., Washington, D.C. 20202.

COMMUNITY SERVICE AND CONTINUING EDUCATION PROJECTS

The Department of Education has announced a postmark deadline of June 23rd for applications for non-competing continuation awards for special projects in Community Service and Continuing

These projects are to assist institu-tions of higher education in carrying out continuing education related to technological, social or environmental changes.

Applications forms and program in-formation may be obtained by writing to Community Service and Continuing Education Branch, Department of Education, Room 3737 Regional Office Bldg. No. 3, 400 Maryland Avenue, S.W. Washington, D.C. 20202.

AMERICAN IRON AND STEEL IN-

The AISI sponsors an appreciable research program on behalf of the iron and steel industry. Research sponsored by the Institute is directed toward the increase of knowledge and understanding of (1) the process involved in converting raw materials to final products, (2) the control of those processes, (3) the fac-tors that govern the properties and suc-cessful application of steel products. Emphasis is placed on obtaining basic technical information that can be utilized by the individual companies and

users of steel products.

Much research aimed at obtaining such bases of information is especially suited to the atmosphere of University research laboratories which are interested in seeking new knowledge and in the training of young people in the scientific attack on these types of technological problems. Projects are nor-mally of several years' duration and may be organized in such a way that they can at the same time satisfy the requirements of the researchers' doctoral pro-

Broad research fields of interest are (1) Minerals Benefication, (2) Iron and Steelmaking, (3) Forming, Fabrication and Application, (4) Product Properties. and Application, (4) Product Propertie
(5) Environmental Research. Specific
areas of interest are (1) Coke-to-coke
transformation for blast furnace fuels,
(2) Solid waste disposal, (3) Process
control and sensor development, (4)
Steel conditioning methods with improved energy and environmental performance, (5) Improved efficiency of
combustion and heat transfer systems' combustion and heat transfer systems (6) Longer life refractories, (7) Coalbased reduction processes, (8) The nature of the steel surface and its effect on

prainting, joining, forming, etc.
Proposals must be submitted by August 1, 1980, for grants beginning the following May 1.

Additional information, regarding sub-mission of proposal may be obtained from The Office of Sponsored Research.

The Office of Sponsored Programs announces the following new grants and contracts for the Ithaca and Geneva units of the University, received between January 1 and February 15, 1980. This list does not include continuations or renewals newals.

J. Abel, W. McGuire, & D. Greenberg , Civil and Environmental Engineering: Three-Dimensional Interactive Computer Graphics in Structural- and Geo-Mechanics. NSF, One Year, \$246,464. K. Adler, Biosci: Cues, Receptors and Mechanisms for Orientation. NSF, Oe

Year, \$85,000.

M. Alexander, Agronomy: The Effect of Acid Precipitation on Microorganisms. Tetra Tech, Two Years,

J. Bird & W. Bassett, Geological Sciences: Field and Laboratory Studies by

Campus Parking and Traffic Rules, Regulations Outlined

The university is concerned about must be affixed and displayed as e impact of motor vehicles on the directed within 24 hours of issuance. the impact of motor vehicles on the environment and on the limited parking facilities on campus. Ridesharing and the use of alternate forms of transportation is encouraged for all members of the university community.

All on-campus parking (except for certain metered and time-zone areas) is by permit only from 7 a.m to 5 p.m. Monday through Friday. Parking restrictions are in effect 12

months of the year.

Any person registered in a summer program who owns or operates a vehicle on the grounds of the university must register each vehicle with the Traffic Bureau at the time of summer session registration or as soon as the vehicle is acquired. There is no fee for vehicle registration. However, a registration sticker is not in itself, a parking permit

Campus parking permits are available at a nominal charge through the Traffic Bureau. Registration stickers and parking permits

The applicant and the vehicle(s) being registered must meet all re quirements prescribed by New York State for legal operation.

Motorcycles, motor scooters and mopeds are motor vehicles and are subject to all rules and regulations governing parking and traffic. Motorcycles and motor scooters may be parked on campus only in designated motorcycle areas when displaying a valid "M" parking permit or in metered and other nonpermit time zone areas. Mopeds displaying an "M" permit may also be parked in bicycle rackles located outside campus buildings.

Bicycles are subject to all New York State motor vehicle laws that apply to passenger cars and motorcycles. Bicycles should always be parked at the appropriate racks or hitching posts provided on campus. They may not be chained to or parked against trees, shrubs, fire hydrants, fire escapes, light poles or stairs, or in building corridors or similar locations. All bicycles must

be registered with the Division of Public Safety.
Trailers, as family living units,

are not allowed on any university

Persons with questions regarding parking permits or vehicle registration should contact the Traffic Bureau between 8 a.m. and 4 p.m. Monday through Friday. The Traffic Bureau is located at 115 Wait Avenue (telephone: 256-4600).
The campus buses run at approx-

imately 10-minute intervals from 7 a.m. to 6 p.m. Monday through Friday. They run from the peripheral parking lots to central campus. Fare is 10 cents exact change. Bus passes for students are available at the Traffic Bureau.

Schedules for local bus services connecting the campus with residential and shopping areas are available at the Traffic Bureau and at the Information and Referral Center in Day Hall.

Further information on the Campus Bus service is available by calling the Bus Garage, 256-3782.

Josephinite. NSF, One Year, \$37,865. T.L. Brown, Natural Resources: An Investigation of American vs. Canadian

Tourism in the Thousand Islands Region Sea Grant; NOAA, Eight Months, \$1,500.

Sea Grant; NOAA, Eight Months, \$1,500.

B. Carpenter, Chemistry: Test of a
New Theory on Structure and Reactivity. NIH, One Year, \$57,578.

D. Caughey, Mechanical & Aerospace Engineering: Analysis of Transonic Flow Past Helicopter Rotors. NASA, Nine Months' \$10,500.

G. Cukierski, Agricultural Engineering: Energy Efficient Window Treatments in Passive, Solar Houses. Owens-Corning Fiberglas, Seven Months, \$19,800.

G. Dalman & C. Lee, Electrical Engineering: Large Signal Studies of Voltage-Source Operated Cu and Pulsed GaAs Impact Diodes and Amplifiers. Air

Force, One Year, \$99,640.
G. Dunny, Vet: Agreement for Comparison of R-Plasmids in Gram-Positive Bacteria. Public Health Research In-

stitute of NY City, Two Years, \$113,869
M.W. Duttweiler, Cooperative Extension: Oil Spill Citizens Guide. Sea
Grant; NOAA, Three Months, \$1,500.
L.F. Eastman, Electrical Engineering: Graduate Research in Compound

Semiconductor Materials and Their Associated Microwave Devices. Microwave Associates, One Year, \$15,000. S. Emlen, Biosci: Studies of Coopera

tive Behavior in Animal Societies. NSF, One Year, \$61,778.

R. Farrell, English: Viking Public Lecture Series. NSF, Thirteen Months,

P. Feeny, Biosci: Comparative Population and Chemical Ecology of Herbivorous Insects. NSF, One Year,

\$54,097. F.F. Foltmanl, ILR: Employment Opportunity Roundtable Discussions. U.S. Department of Labor, One Year, \$9,500.

M.J. Goldstein, Chemistry: Structure and Mechanism in Cyclobutane
Pyrolysis. NSF, One Year, \$81,600.
E.R. Grant, Chemistry: Time Resolved Studies of Unimolecular Decomposition Dissociation Dynamics for

Alchohols, Thiols, and Amines. NSF Two Years, \$45,000.

K. Gubbins & W. Streett, Chemical Engineering: Computing Facility for Research in Chemical Fngineering. NSF, One Year, \$24,435.

J-P. Habicht, Nutrition: The Study of the Dietary Intake and Food Patterns Related to Nutritional Anemia. ABT
Associates, One Year, \$27,155.

R. Hoffmann, Chemistry: Unrestricted Grant to Department of
Chemistry for the Work of Professor R.

Hoffmann. Exxon Education Foundation, One Year, \$8,000.
M. Isaacson, Applied & Engineering Physics: Research Agreement. IBM,

One Year, \$40,023.

W.J. Kender, Pomology: Vinefera
Grape Research. NY State Department
of Agriculture and Markets. Three Months \$30 000

B. Koslowski & M.A. Moran, HDFS: Early Intervention for Developmentally Disabled Infants. Office of Education, One Year, \$13,806.

S. Severinghaus, Laboratory of Ornithology: Research on the Wildlife Resources of Taiwan. NSF, One Year,

T. Leavitt, Johnson Museum: Special Exhibition Performance Art. National Endowment for the Arts, Two Years,

T. Leavitt, Johnson Museum: Dutch

Drawings. National Endowment for the Arts, One Year, \$5,000.

S. Leibovichl, Mechanical & Aerospace Engineering: Nonlinear Stability Theory and the Large Amplitude Transitions of Concentrated Vortex Flows.

NSF, One Year, \$85,000. S. Lichtenbaum, Mathematics: Mathematics Support Center. Sloan Foundation, Eighteen Months, \$6,000. J. Lumley, Mechanical & Aerospace Engineering: Modeling Ocean Tur-

bulence. Office of Naval Research, One

W.N. McFarland, Biosci: Life History Stages in Reef Fishes of the Family

Haemulidae - Ecological Aspects of their Behavior. NSF, One Year, \$65,904. M. Mitchell, Center for Environmen-tal Research: Effects of Atmospheric Sulfur Pollutants Derived from Acid. Office of Water Research and Technolo-gy. Three Years \$127,645

gy Three Years, \$127,645.

F.K. Moore, Mechanical & Aerospace Engineering: Perform Preliminary Experiments to Evaluate Entrance Loss of Flared Cooling Towers. Owens-Corning Fiberglas, Six Months, \$8,000.

Fiberglas, Six Months, \$8,000.

N. Press, Johnson Museum: Museum Program Catalogue. National Endowment for the Arts, One Year, \$5,500.

W. Provine, History: Transcription of Tapes of Interviews with Professor Sewall Wright. American Philosopical Society, Open-Ended, \$2,400.

W. Provine, History: Genetics in Relation to Evolution; the Evolutionary Synthesis. NSF, One Year, \$49,988.

C. Schofield, Natural Resources: Aluminum Dynamics in Adirondack

Aluminum Dynamics in Adirondack Mountain Watersheds. Tetra Tech, Forty-One Months, \$111,368.

S. Stein, Program on Urban & Re-gional Studies: Small Town Community Design Workshop. NY State Council on the Arts, One Year, \$12,000. L. Wager, Vet: Bristol Laboratories Project #2879. Bristol Labs, Eight

Months, \$10,000.

K.K. Wang, Mechanical & Aerospace Engineering: An Exploratory Study of Quality Control of Friction Welds by Acoustic Emission Techniques. Welding Research Council, One Year, \$3,000.

People

Mario L. Schack, professor of architecture, has been elected a lifetime fellow of the American Institute of Architects. He was installed during ceremonies June 2 at the annual meeting of the AIA in Cincinnati, Ohio. The honor is based on notable contributions to the profession of architecture. A member of the Cornell faculty from 1963 to 1965, Schack returned to Cornell in 1975 as chairman of the Department of Architecture. He held the post until 1979 and is now director of the college's special architectural program in Washington, D.C.

Kelvin Arden, director of publica-tions since 1964, has been appointed

director of university communications at Cornell. The new University Communications office will include writers, editors, designers, photographers and support staff from the news, publications and visual services units of the university. Long active in the field of graphic com-munications, Arden is the author of numerous articles as well as a book on college and university publications. Arden received an A.B. degree from North Central College in 1949 and an M.A. in Journalism from the Meddill School of Journalism at Northwestern University in

Bike Touring Popular in Region Finger Lakes Area Offers Cycling Challenges



Religious Services

The following is a partial listing of religious services in the immediate Ithaca area. This listing is not exhaustive, and further information may be obtained from the office of Cornell United Religious Work, 118 Anabel Taylor Hall,

Sage Chapel: Sunday, 11 a.m.

Sage Chapel: Sunday, 11 a.m.
June 29-Aug. 3, Sage Chapel Service.
An inter-religious service.
A.M.E. Zion: Sunday, 11 a.m., St.
James A.M.E. Zion Church, 116
Cleveland Ave., 272-6651.
Baha'i: July 12 and 31, Aug. 19.
All at 7:30 p.m. Call 257-2280 for

Baptist: Sunday, 10 a.m., First Baptist Church, DeWitt Park corner of East Buffalo and North Cayuga

Catholic: Weekday masses 12:15 p.m., G-19 Anabel Taylor Hall; Sat-urday, 5:15 p.m., Chapel, Anabel Taylor Hall; Sunday, 9:30 and 11 a.m. Auditorium, Anabel Taylor Hall; Sacrament of Reconciliation by appointment, call 256-4228

Christian Science: Sunday, 10:30 a.m. First Church of Christ, Scientist, University Avenue at Cascadilla Park. For rides call 256-7680, 273-6452 or 272-2409.

Congregational: Sunday, 10 a.m.; First Congregational Church, 309 Highland Rd.

Episcopal: Sunday, 9:30 a.m., Chapel, Anabel Taylor Hall. Evangelical: Sunday, 10:30 a.m. and 7 p.m. Bethel Grove Bible Church, 1763 Slaterville Road

Friends (Quakers): Sunday, 10:30 a.m. Hector Meeting House, Perry City Road. For rides call Thor Rhodin, 273-7062, or Peter Nutting,

Jewish: Friday, 7:30 p.m., Anabel Taylor Courtyard (weather permitting) or Edwards Room, Anabel Taylor Hall. Saturday, 9:15 a.m., Edwards Room.

Latter-day Saints: Sunday, 9,

10:45 and 11 a.m. Latter-day Saints Chapel, Burleigh Drive.

Lutheran: Sunday, 9:30 a.m. Lutheran Church, Oak Avenue at College Avenue Sunday, 10:30 a.m., Trinity Lutheran Church, Honness Lane. Bible classes 9 a.m. Call

Muslim: Friday, 1 p.m., Edwards Room, Anabel Taylor Hall.

Orthodox (Eastern): Sunday 10:30 a.m. St. Catherine Greek Orthodox Church, 120 W. Seneca

Unitarian Universalist: No formal Sunday church services during the summer. For summer programs call the Unitarian Church, 273-7521. United Methodist: Sunday, 9 a.m.

Informal services at Stewart Park: Sunday, 10:30 a.m. St. Paul's United Methodist Church, corner of North Aurora and East Court Streets. Sunday, 10 a.m., Forest Home Chapel, 222 Forest Home Drive.

United Presbyterian: Sunday, 10 a.m., First Presbyterian Church, corner of East Court and North

Cayuga Streets. Cornell United Religious Work administers and schedules the use of Anabel Taylor Hall by religious and other campus groups and provides information, counseling and

referral services Also located in Anabel Taylor Hall is the Centre for Religion, Ethics and Social Policy, a chart-

ered independent educational institution

Chaplains and group advisers for counseling and special services may be contacted by calling 256-4214 or by going to 118 Anabel Taylor Hall.

Energy shortages, gasoline price increases and pollution have all been cited as reasons to reduce our national dependence on the automobile for recreational transportation. Yet, the best reason of all to try cycling as an alternative may simply be the sensory pleasure of glid-ing down a road in direct contact with the environment one travels

Cycling around Ithaca is not monotonous. Variations in elevation, changing vistas along bucolic farmland roads and an abundance of state-protected lands combine to make the area a cyclist's paradise. Though possibilities for short bicycle trips in the Ithaca area are seemingly endless, the Chronicle presents this thirty-mile loop as a sampler. It takes in three of the

Finger Lakes' region state parks.

Begin downtown heading south on
Meadow Street (Route 13). Soon after passing the fast food stands, one leaves the city behind. Just ahead on your left is the entrance to lower Buttermilk Falls State Park... As you're not driving a motor vehicle, admission is free.

Within the 675 acres of the park are 10 waterfalls and two glens. A gorge trail climbs more than 500 feet in a mile; swimming at the foot of the falls after a hike hits the spot and you're ready to continue your

Continue south on Route 13 another three miles until you reach a turn-off on your right: Route 327. You can start the long slow climb towards Enfield Center immediately or you may choose to visit the Robert H. Treman State Park three miles west of the junction with Route 13.

Through this park runs the rustic Enfield Glen. The most spectacular portion is the upper half mile where the scenery provided a backdrop for many 'pre-talkie' "Western" and "Alaskan" films before the industry moved to California. Twelve waterfalls in the glen may be viewed from

a three-mile gorge trail.

The ride from Robert H. Treman State Park to Enfield climbs approximately 1,000 vertical feet. Take your time; walk the bike a bit if you feel like it. The effort will be

rewarded.

Just west of town you'll meet the Halseyville Road. It is a perfect cycling route offering new sets of horizons begging you to explore them. As you reach Route 96, bear left onto it until you come to Park Road. Turn right onto Park Road and go down the hill to Taughannock Falls State Park.

The falls at Taughannock drop over 200 feet while the surrounding glen walls reach 400 feet. One gorge trail winds along the rim of the gorge and another runs from the base of the falls to the Taughannock Creek outlet on Cayuga Lake.

To return to Ithaca, ride about eight miles south on Route 89. Pay attention to traffic along this route

To maximize your enjoyment of this outing, take along a good map. If you have the time to look over O.D. von Engeln's The Finger Lakes: It's Origin and Nature, you'll be rewarded with a greater understanding of how the topology over which you've ridden was formed.

Good riding and may you have a lovely tailwind.

Sage Choir Seeks Summer Singers

Anyone interested in joining the Summer Session Sage Chapel Choir is invited to a rehearsal at 9:20 a.m. Sunday, June 29, in Sage Chapel.

Regular rehearsal sessions will be held at 7:15 p.m. on Tuesdays and 9:30 a.m. on Sundays.

The choir provides music for the 11 a.m. Sage Chapel inter-religious services held each Sunday, June 29 through Aug. 3

through Aug. 3.
Donald R.M. Paterson, university organist and Sage Chapel choirmaster will direct the choir. Stephen May, graduate student, will

be the organist.

Speakers for the services will be: Susan K. Roll, Roman Catholic chaplain, Ithaca College; Ingrid Olsen-Tjensvold, associate coordi-nator, Eco-Justice Project; John A. Taylor, university Unitarian Chaplain and pastor, First Unitarian Chaplain and pastor, First Unitarian Church, Ithaca; Michael S. Kogan, professor of religion and philosophy, Montclair State College; J. Anthony Gaenslen, attorney and adviser to Young Friends (Quakers); Douglas J. Green, minister First Congregational Church ister, First Congregational Church, Ithaca.

Arrangements for the services are made through Cornell University Religious Work and the music department in cooperation with the dean of summer session. Questions concerning the services may be directed to Ingrid Olsen-Tjensvold, 256-4214

Acheson Gift Honors Engineering Graduates

A \$200,000 fund is being established by Mrs. Howard A. Acheson as a memorial fund to her husband and son, both graduates of the College of Engineering at Cornell Uni-

The gift from Mrs. Acheson will be used to create the Howard A. Acheson '24 and Howard A. Acheson Jr. '51 Master of Engineering Scholarship Endowment. Income from the endowment will be used to support students selected by a faculty scholarship committee

Both men received professional engineering degree from Cornell, the senior Acheson in mechanical engineering and the son in chemical engineering, each having spent five years at the university. "The Master of Engineering degree today is the modern analog of their degrees," according to Thomas E. Everhart, dean of Cornell's College of Engineering of Engineering.

The Master of Engineering is a one-year program following the four-year bachelor of science degree at Cornell. The M.Eng. program is designed to prepare Cornell graduates for engineering careers in industry and business. It complements the research degree program offered by the college

In thanking Mrs. Acheson for her gift, Everhart said: "May the enrichment of Howard's and Howard Jr.'s lives derived from their years at Cornell be something that can now be experienced by other worthy young people through your gener-

osity."
Both father and son, in succession, directed Acheson Industries, Inc., a firm that manufactures speciality lubricants and chemicals in the United States and a number of foreign countries, with world headquarters in Port Huron, Mich. Both men died in 1975.

Computer Decentralization Underway

New Group (DACS) Coordinates Effort

If a "micro" computer is like a wheelbarrow, then a "mini" computer can be compared to a van and a "maxi" - Cornell's IBM 370/168, for example - to a semi-trailer. To use a semi-trailer to haul sand around the back yard would be inefficient. Likewise, although a fleet of wheelbarrows might be able to carry hundreds of cartons across the country, a semi-trailer would be better.

That admittedly imperfect analogy describes the idea behind the newly-formed Decentralized Academic Computer Support group (DACS). The new division of Cornell Computer Services has been established to provide hardware and software support and consultation to users who opt to purchase their own

"mini" and "micro" computers.
In addition to providing support,
DACS will assist in the planning and

acquisition phase.
"Computing is pervasive and has become important in virtually every aspect of the university," according to J. Robert Cooke, special assistant to the provost. "Recent technological and economic changes," he adds, "have made decentralization quite attractive. The role of DACS is to be supportive of this decen-

tralization process."
Under a university policy set forth last year, purchases of small computers are handled in the manner of other capital equipment requests and are no longer subject to review by the University Comput-

Computers of substantial capacity are now available for \$10,000 and as little as \$3,000 "or even \$1,000 without some of the bells and whistles," explains Douglas Van Houweling, director of academic computing and associate director of Computer Services.
The switch to smaller computers

is not without its hazards, however, Van Houweling observes. "Technological advances are making computer hardware inexpensive, but computing is actually getting more expensive, especially if it is not well planned.

"If every new computer owner has to reinvent the wheel, there is a tremendous amount of inefficiency," says Douglas Gale, the recently-appointed head of DACS, in explaining why the amount of time required to program a small computer for a particular task may be greater than with a large machine.
"There are certain facilities that every computer installation has to

DACS will offer facilities and programs commonly used by small computer owners as well as custom hardware and software design and equipment service.

One software package to be pro-vided at a modest cost by DACS will be a file transfer system to send data from one computer to another across campus. To spread the word about services offered by DACS, Gale will be starting a small computer users' newletter. Persons wishing to receive the newsletter should contact Gale at Computer Services, Uris Hall.

There will always be a need for a large central computer facility at

the university, the DACs organizers agree. Researchers who normally use a computer only a few times a year to process data probably will not need their own computer, and the central computer will continue to be used for administrative functions in which large programs require a lot of memory.

Gale points to the use of 17 Terak micro computers, purchased at a cost of about \$6,000 each and programmed to help students in introductory computing courses to learn to program, as an example of an application uniquely suited to the small computer. The teaching program, which Gale says forces students to develop good computer use habits from the start, may soon be distributed to other users around the

"We are right on the threshold of a major change in computing," says Cooke. "In the next 12 months, it will be astounding how much change you will see.

Drake to Leave Arecibo Post, **But Continue Teaching Here**

Frank D. Drake, director of the National Astronomy and Ionosphere Center (NAIC) at Cornell and Arecibo, Puerto Rico, has announced his intention to resign as director, effective June 30, 1981.

Drake, who first proposed the recently-completed upgrading of the world's largest radio-radar telescope at the Arecibo Observatory, will continue with NAIC as a senior member of the scientific staff and with Cornell as the Goldwin Smith Professor of Astronomy, allowing more opportunity to carry out research and to pursue special

projects.
NAIC is operated by Cornell under contract with the National Science Foundation. Financial support is provided primarily by the foundation with additional support by the National Aeronautics and Space Administration (NASA). The Arecibo Observatory is a uniquely powerful instrument for radio astronomy, radar astronomy and atmospheric

physics observations. Cornell President Frank Rhodes. expressing regret at the director's decision to resign the post at the national center, said, "Its present eminence owes much to Frank Drake's leadership.

The director of NAIC since its founding in 1971, Drake had pre-viously served as director of the Arecibo Observatory from 1966 to 1968. At that time, the nature of the giant radio reflector in the mountains of northern Puerto Rico restricted its operation to radio wavelengths of limited interest to

Studies conducted by Drake showed that the basic structure of the facility would allow operation at more interesting radio wavelengths, and the Arecibo Upgrading Project was begun in 1971 with funding from the National Science Foundation. Recognizing the potential for improved planetary study capabilities at the telescope, NASA provided funding for a more powerful radar

The upgraded telescope has been used for a variety of important scientific projects, including the detailed mapping of the surface of Venus and the guiding of the Viking I spacecraft to a safe landing on Mars. Scientists have used the telescope to study turbulence and dispersal of contaminants in the Earth's atmosphere and to perform the most definitive test of the Theory of General Relativity so far

carried out. Others have used the facility to study the structure and evolution of the most distant galaxies and clusters of galaxies ob

served by radio telescopes.
This year some 160 visiting scientists from 55 institutions are expected to use the Arecibo Ob servatory to conduct about 130 different research projects.

A native of Chicago, Drake holds an undergraduate degree from Cor-nell and a master's and doctorate from Harvard University. From 1958 to 1963 he was one of the first staff members of the National Radio Observatory at Green Bank, W. Va., where he participated in the construction and development of the first large radio telescope for use by the scientific community at large.

Drake became known for his radio studies of planets, including the discovery, with a colleague, of the radiation belts of Jupiter, and for carrying out the first organized and sensitive search for extraterrestrial intelligent radio signals, known as Project OZMA. He is widely known for his beliefs that life exists elsewhere and is a leading authority on the methods for the detection of and communication with extraterrestrial intelligent civilizations.

Uris, Gould Gifts

Continued from Page 1

of Uris Library. Among other Uris gifts have been ones to endow a professorship in pediatrics at the Medical College, to improve undergraduate education in the College of Arts and Sciences, for campus beautification and for several works of art.

A new undergraduate reading room will be made possible by the latest Uris gift. In a recent interview Uris said his 1963 gift for library renovation was "the nicest thing I've done at Cornell.

"The undergraduate reading room used to be the dullest looking place in the world. You couldn't read in it." Use of the undergraduate library tripled after the renovations, according to Cornell librarians.

Uris served on the Cornell Board of Trustees for 10 years and was elected a Trustee Emeritus and a Presidential Councillor in 1977.

In addition to his activities on several board committees and in university fund-raising efforts, Uris has been a member of the Art Museum Board since 1967 and the Joint Administrative Board of the Medical College since 1973.
Gould intends his gift to Cornell to

be used for "supplementary needs" of the Law School, he said, and

expressed the hope that this "first step" will set an example for oth-

"My purpose is to establish an independent endowment which will provide flexible funding for the Law School, to increase the efficiency of its operation, and help it to maintainits high academic standards,' Gould said.

The Milton and Eleanor Gould Endowment Fund will provide for "special projects and needs" of the Law School, he added.

Gould has spent years successfully asking fellow Law School alumni for their gifts to the annual Law School Fund. He was fund chairman for many years, regularly breaking records for the numbers of alumni participants and dollar totals.

Gould also has figured prominently in the Class of 1930 Reunion Fund efforts. He is a member of the Cornell University Council, and has served on the Law School Advisory Board and as a visiting lecturer in the Law School.

Regarded as one of the nation's leading trial lawyers for many years, Gould recently received national attention and praise for his book, "The Witness Who Spoke With God and Other Tales from the Courthouse," 13 stories about the practice of law in New York City.

Summer Session Concert Series Tickets on Sale; Monday Events

The 1980 Summer Session will offer a series of special Monday evening concerts during July and early August. This year's events will give Ithaca visitors and residents an opportunity to hear outstanding artists from the university's music faculty and their guest collaborators.

Subscription tickets for the series of five concerts are \$8.50; tickets for the individual concerts are \$2.50 They are available at the Summer Session Office, 105 Day Hall, and will also be on sale at the door on concert nights before the 8:15 p.m. curtain time.

The opening concert of the series, July 7, will be a program of Indo-

nesian music, featuring Javanese musician Sumarsam and members of his Wesleyan University Gamelan Program together with the Cornell Gamelan Ensemble under the direction of Martin Hatch. The concert will take place in the Memorial Room of Willard Straight

On Monday, July 14, Donald R.M. Paterson will present an organ recital in Sage Chapel. Paterson has been Cornell University organist and choirmaster since 1964

The series continues with two concerts of baroque music in Alice Statler Auditorium. On July 21, John Hsu, one of today's foremost viola da gambists, will perform music of

the 17th and 18th centuries written by Bach, Marals and Couperin. On the 28th, Sonya Monosoff will play a program of works for baroque violin by Biber, Bach, Leclair, Corelli and Handel. Both faculty artists will be joined by visiting harpsichordist Pe

The final concert, on Aug. 4, will be presented by Cornell's noted Amade Trio. The ensemble, which has achieved international recognition, is composed of Malcolm Bilson, fortepiano: Sonya Monosoff, classical violin; and John Hsu, classical cello. They will play trios by Mozart, Haydn and Beethoven.

Identification Cards

All students registered in the Summer Session or in a special program are reminded that they must carry their official Summer Session identification cards with them at all times.

When stamped by the registrar, this card is evidence of registration. It identifies students registered in the 1980 Summer Session and entitles them to use the facilities of the university and as admission to all public Summer Session events for which no special admission is charged.

The identification card must be presented for borrowing books from

the libraries, for obtaining treatment at Gannett Medical Clinic, for admission to Teagle and Helen Newman Halls, for receiving reduced rates at the University Golf Course and for admission to activities sponsored by Willard Straight Hall. In addition, the card is a means of identification for Department of Public Safety in case of emergency or accident.

The Summer Session identification card remains the property of Cornell University and must be surrendered upon withdrawal from the university

-Around Campus-

Commons Coffeehouse

The Commons Coffeehouse, located in Anabel Taylor Hall, is open from 9 a.m. to 3 p.m. Monday through Friday until June 20.

Starting June 23, the hours will

Monday through Thursday: 9 a.m. to 4 p.m. and 8 p.m. to 11 p.m. Friday: 9 a.m. to 4 p.m. and 8 p.m. to midnight.

Saturday: 8 p.m. to 1 a.m. Sunday: 7:30 p.m. to 11 p.m. Open Mike on Friday evenings

offers an opportunity for anyone interested to entertain. In the past readers' theatre, films and experimental enterainment have complemented local musicians. Live entertainment will be scheduled each Saturday evening.
On Sunday evenings Bound for

Glory will be broadcast live from the Commons on WVBR-FM. Traditional folk songs accompanied by acoustic guitar, banjo and other instruments will be featured.

Information And Referral

Do you want to know when Cornell was founded? What the Ithaca Transit bus schedule is? When the libraries are open?

To find the answer to these and many other questions one does not have to check the yellow pages or call 29 different departments. Just call or visit Cornell's Information and Referral Center, located in the main lobby of Day Hall.

With a campus as large and diverse as Cornell's, things can often get confusing. The center staff, which is made up of Cornell students, is there to answer questions, guide visitors and, when necessary

do the research to get the answers Open from 9 a.m. to 5 p.m. Monday through Saturday, the center also offers campus tours to visitors Tours originate from the center weekdays at 11:15 a.m. and 1:30 p.m. On Saturdays they start at 11:15 a.m. and on Sundays at 1 p.m.

Questions can be directed to

Dining

Meals are available at the following locations during the summer

Willard Straight Hall: 7:15 a.m. to 7 p.m. weekdays; 9 a.m. to 7 p.m. Saturday and Sunday. Continuous cash and coop service.

North Campus Union: Breakfast: 7:15-9 a.m. Monday through Saturday; Lunch: 11:30 a.m. to 2 p.m. Monday through Saturday; Dinner: 5-7 p.m. daily; Brunch: 10 a.m. to 2 p.m. Sunday

Pancake House: 8 a.m. to 7 p.m.

Ag. Quad Dairy Bar: 7 a.m. to 3:30 p.m., Monday through Friday

The Green Dragon (Sibley Hall) 9 a.m. to 3 p.m. weekdays through

Statler Student Cafeteria: 11 a.m. to 1:30 p.m. weekdays. Box lunches

Summer Co-op Dining is offered at the North Campus Union and Willard Straight Hall. It is the warm weather counterpart of the contract meal plan available to Cornellians during the regular academic year. Members eat nutritious meals

without limitation during meal plan hours. Students may choose one of six meal plan options to provide themselves with a variety of en-

Non-members may purchase individual co-op meal tickets at the door. Prices are \$2.60, for breakfast and lunch, and \$3.90 for dinner. Children under three are free. Children ages four to twelve are half

Unions

Following is a listing of hours and services offered by the University Unions:

The North Campus Union building and lounges are open from 7 a.m. to 1 a.m. daily. The Student Services Desk is open Monday through Friday, 1 p.m. to 3:30 p.m. The Union Store will be open from 7:30 a.m. to 9 a.m. and from 4 p.m. to 10 p.m. Monday through Friday, and from 4 p.m. to 10 p.m. on weekends. Hours for the Gameroom will be posted after June 25. Mailroom services are available weekdays from 1 p.m. to 3:30 p.m.
Thirsty folks may repair to the

Thirsty Bear Tavern for refreshments from 9:30 p.m. to midnight Sunday through Thursday and from 9:30 p.m. to 1 a.m. on Friday and Saturday. Happy Hour is from 5 to 7 p.m. Monday through Friday. Alcoholic beverages will not be served to anyone under 18 years of

The Craft Studio at the North Campus Union is open to all mem-bers of the Ithaca community students and townspeople alike. This summer, evening adult courses will be offered in acrylic painting, miniature house building, basic jewelry fabrication, intermediate jewelry, kite making, reed basketry, stained glass, wildflower preserva-tion, origami (Japanese paper folding) and beginning weaving.

Teen programs in printmaking, sandpainting and flower pressing will be available as well as Singer sewing classes. For further information about the classes contact Randy Richter at 256-6220 (days) or

256-6238 (evenings). Noyes Center will be open throughout the Summer Session from 10 a.m. to 12:45 a.m. Sunday through Thursday and from 10 a.m. to 1:45 a.m. Friday and Saturday. The main information and service desk sells newspapers, magazines and sundries and provides a drycleaning service. The desk is open whenever the building is open as is the Gameroom, which is located adjacent to the main desk. The Gameroom features table tennis, billiards and a variety of pinball

The Browsing Library is open Monday through Friday from 5:30 p.m. until the building closes. A file of old "prelims" (course examina-

tions) can be found here. Darkroom facilities are available by sign-up. Persons interested should go to the -

The Noyes Center Soda Shoppe is open from 8 p.m. to 12:45 a.m. Sunday through Thursday, and fron 8 p.m. to 1:45 a.m. on Friday and Saturday. Grocery Store will be posted.

The Alfalfa Room, located in Warren Hall, is open from 7:30 a.m to 5 p.m. Monday through Friday. I

is closed on weekends.
Willard Straight Hall will be open from 7 a.m. to 10 p.m. throughout the Summer Session. The main desl offers newspapers, candy and information from 9 a.m. to 9 p.m. Monday through Saturday and from 10 a.m. to 9 p.m. on Sundays. The Closet will sell dried fruits and nuts and handcrafted gifts Monday through Friday from 11 a.m. to 2

A browsing library is open from 9 a.m. to 5 p.m. weekdays and offers relaxing atmosphere in which to read books, magazines and newspapers. On the fifth floor, the gameroom is open daily from noon to 9 p.m. The Willard Straight Hall darkroom is open daily from 10 a.m to 9 p.m. Fees are to be arranged at the main desk.

Cornell Clippers offers a full line of hair care services Monday through Friday from 9 a.m. to 5 p.m. The pottery shop is open from 10 a.m. to 9 p.m. daily. Membership may be purchased at the desk.

Brief Reports

Tavern to Offer **Catering Service**

The Thirsty Bear Tavern will provide a catering service with hors d'oeuvres and beverages this summer. A two to three week advance notice is required for any function taking place anywhere other than at the Thirsty Bear. For more in-formation, contact Debra Updike,

Youth Program Remains Open

The five-week Cornell Adult University Youth Program, July 6 through Aug. 9, will once again be open to area youths from 3 to 12 years of age.

The day camp operates from Mary Donlon Hall where children may be dropped off at 8:30 a.m. and picked up between 4:30 and 5 p.m. Children may be registered for

one or two weeks in one of three age groups: "Snoopys," ages 3 to 5; "Clowns," children who have finished kindergarten or first grade; "Sports," children who have finished between grades two and six.

Tuition, which includes lunches for all and Friday night dinner for "Clowns" and "Sports," is \$50 per child per week. Details of the program are available at the CAU Office, 626B Thurston Ave. (256-6260).

"Snoopys" have a pre-school program that includes crafts, music, cooking, dramatics and bus trips to nearby parks. The program for "Clowns" features swimming, tie dying, active games and park visits For "Sports" there is pioneering, swimming, handicrafts, active sports, canoeing and trips to Cornell's McGraw Bell Tower, computer center and College of Veterinary Medicine.

Pohl To Spend Year in Germany

Robert O. Pohl, professor of physics, will spend the 1980-81 academic year at the Juelich Nuclear Research Center in Juelich West Germany as an Alexander von Humboldt Foundation Fellow. The prestigious fellowships are sponsored by the Federal Republic of Germany Pohl, a member of the Cornell

faculty since 1958, will be conducting research on heat transport in solids. Born and brought up in Germany, he received his doctorate in 1957 from the University of Erlangen in West Germany

He is the 20th Cornell professor to receive a von Humboldt fellowship. In 1972, the foundation and the West German government established a special program for the United

Dating back to 1860, the founda-tion was re-established in 1953 and offers 480 research scholarships annually to scientists and scholars all over the world. There are some 7,000 former fellows, 1,400 of whom are in the United States.

Faculty interested in applying for the fellowships may obtain details

from the Office of Sponsored Programs, 123 Day Hall.

Block Fellowships Awarded to Two

The first annual H.D. Block Summer Fellowships have been awarded to two of the late engineering and mathematics professor's graduate students, Donald L. Lewis and Steven Woods, doctoral candidates in theoretical and applied mechanics.

The fellowships commemorate H.David Block, a member of the Cornell faculty from 1955 until his death in the fall of 1978. The awards are funded with the interest on gifts from family, friends and colleagues of Block. He was a specialist in bionics, applied mathematics and nonlinear mechanics.

Lewis received his B.S. degree in agriculture in 1974, and a master of engineering degree in 1978 from Cornell. In his dissertation he is attempting to develop mathematical models of the role of coordinate tranformations in visual perception and memory.

Steven Woods was graduated in physics from Reed College in 1976. He is working on a mathematical description of retinal receptor cells that will allow an understanding of certain color vision phenomena.

Law Conference **Conducted Here**

Some 70 law teachers from all areas of the United States attended

a week-long conference here June 1 through 7, on the subject of teaching civil procedure.

It was the first conference of its particular type sponsored by the Association of American Law Schools, according to Millard H. Rudd, executive director of AALS.

He said the conference emphasized the clinical approach to the subject with the professors giving lectures and demonstrations of how they teach various aspects of the general subject of the civil procedure. The seven days involved considerable analysis of each others work by the law professors

The AALS has scheduled a conference following the same format for the end of June at Big Sky, Montana, Rudd said.

Chemistry Student Wins Fellowship

A third-year graduate student in the Department of Chemistry, Michael P. Barbalas, has been awarded a full-year fellowship by the Analytical Division of the American Chemical Society. Barbalas, a native of Indian-

apolis, Ind., will use the \$5,000 fellowship to pursue his studies of the analytical applications of mass spectrometry, a sensitive technique used for detecting organic compounds and determining their struc-

The award is considered one of the most prestigious national fellowships available to graduate students in chemistry. Only three are given per year.

Butterworth Prize Is Shared by Two

Two Ph.D. candidates in education will share the \$500 1980 Julian E. and Veta S. Butterworth Fund Award for dissertations—Deborah Cohen and Victor I. Bellard.

Named in honor of Professor Julian Butterworth who served as a faculty member at the State College of Agriculture and Life Sciences at Cornell from 1919 to 1952, the award is presented to the graduate studen whose dissertation shows the greatest promise of becoming a signficant scholarly contribution to the field of education.

Cohen's study is entitled, "Publi Aid to Non-Public Schools: Tradition vs. Equity.

Bellard's study, "Faculty Development Needs of Post-Secondar Instructors", is concerned with the pedagogical needs of instructors at the six agricultural and technical colleges of SUNY