

Investment Hearing Planned

A hearing on University investments in corporations having operations in South Africa, sponsored by the Campus Council, will be held in the Founders Room of Anabel Taylor Hall on Wednesday, Sept. 13, from 9 a.m. to 1 p.m. or until all those wishing to speak have been heard.

Members of an ad hoc committee to study and make recommendations concerning the University's investments in corporations having operations in South Africa, which was established by the University's Board of Trustees earlier this summer, will hear the testimony. Committee members, all of whom are

trustees, will be able to ask clarifying questions of the speakers, but there will be no rebuttals and no debate, according to Campus Council Chairman Robert McGinnis, who will conduct the hearing.

The ad hoc committee is charged with exploring the social, fiduciary and financial impacts of divestment of holdings in corporations doing business in South Africa. The committee will address the question, "Should Cornell continue its current investment policies as they relate to corporations doing business in South Africa?"

A secondary issue being considered by the committee is

whether trustees should participate in decisions relating to University investments in corporations doing business in South Africa if the trustee or any family member is connected with that corporation.

All persons wishing to speak at the hearing must submit written papers to the Campus Council Office, 133 Day Hall, by noon on Sept. 11. Written presentations may be of any length, but oral presentations will be limited to 15 minutes. The order of presentation at the hearing will be on a "first come, first choice" basis. The hearing will be open to the public.

More detailed guidelines are available in the Council office.

Subsidies Sought for Northeast Buses

Regular Monday through Friday Northeast Transit Service to campus has resumed operation with additional bus service to the Commons downtown.

There will be a major cutback in service, however, after Sept. 29, if subsidization is not received from the Village of Lansing, some apartment house owners, and the Town of Ithaca, according to Elmer Meyer Jr., dean of students and assistant vice president for campus affairs at Cornell.

The bus service provided by Swarthout & Ferris for the past four years has not paid for itself through fares and has been subsidized by the University and major apartment complex owners.

Currently there are two bus service routes into and from the campus, twice daily: in the early morning and late afternoon. Route I starts at the Covered

Bridge Apartments in the Village of Lansing and wends its way through apartment complexes at Lansing North, Lansing East, University Park, Gaslight Village, Chateau Claire, Lansing West and then runs south on Triphammer Road to the campus. This route will be eliminated if financial support is not obtained from the apartment owners and local governments concerned, according to Meyer.

Route II will continue through the year because support has been continued by the principal apartment owner, Rocco Lucente and because of interest and support from Town of Ithaca officials. It services The Village and Morningside Manor apartments off of Warren Road, Sapsucker Woods, Winston Court and the apartments at Warren and Winthrop Drive. In a slight change in this route from the past, the bus will go down Hanshaw Road to Warren Road, then north on

Warren Road to Winthrop Drive, then west to Triphammer Road and into the campus. The route is reversed on outbound trips.

Both routes start about 7:20 a.m. and 8:25 a.m. inbound from the Swarthout & Ferris garage on Graham Road and at 4:05 and 5:05 p.m. outbound from the Dairy Bar on the Cornell campus.

The service to the Commons will be provided by the Route I bus, once in the morning and once at night, arriving downtown at 8:05 a.m. and 4:50 p.m. at the completion of the regular runs. If Route I is eliminated, the service will be provided by the Route II bus which arrives at the Commons at approximately the same time.

A detailed schedule of the service may be obtained from Swarthout & Ferris, the Cornell Off-Campus Housing Office in Day Hall or from bus drivers during route runs.

Chester Assumes Associate Deanship

Geoffrey V. Chester, professor of physics and well-known on campus for his work with major University study groups in recent years, has been named associate dean of the College of Arts and Sciences.

In announcing the selection, Dean Alain Seznec said he had chosen Chester because "he knows the University, is respected by the faculty and administration and is from a large area of the college—science—about which I know least."

Chester, who will continue to teach and will serve halftime as associate dean, will be "my alter

ego as dean," Seznec said. "He will make decisions and stand in for me when I am absent; he will be the 'deputy' dean."

Chester was chairman of former President Dale R. Corson's Commission on Self Governance at Cornell in 1976-77. Previously he headed the task force on academic responsibility of the faculty in the presidential study of priorities at Cornell, the so-called MacNeil Committee. He served as a member of the University Computing Board from 1973 to 1976.

After joining the Cornell facul-

ty in 1964, Chester served as director of the Laboratory of Atomic and Solid State Physics at the University from 1968 to 1976. He spent 1971-72 at the University of Sussex on a Guggenheim Fellowship while on sabbatic leave from Cornell.

Campus Policy Notebook Available

The 1978 Policy Notebook for Students, Faculty and Staff, compiled by the Office of the Dean of Students, has been sent to all incoming students and distributed to Faculty members. Returning students may pick up copies of the notebook at 103 Barnes Hall.

Nine changes have been made from the 1977 notebook, which include a statute of limitations, addition of the N.Y. State marijuana penalties, a revised statement on drugs, revision to motor vehicle regulations, addition to Section 504 to Title IX, and expanded non-academic staff grievances policies.

Employees may obtain the new notebook by calling 6-4221.



Job Opportunities

The following are regular continuing full-time positions unless otherwise specified. Please do not inquire at individual departments. An equal opportunity employer. Individuals on lay-off status will be given preference in referrals.

(*) indicates new this week.

CLERICAL POSITIONS

Admin. Aide II, A-20 (Transportation Services)
Sr. Admin. Secy., A-17 (Design & Project Management)
Sr. Admin. Secy., A-17 (University Unions)
*Admin. Secy., A-15 (Alumni Affairs)
*Admin. Secy., A-15 (P.E. & Athletics)
*Admin. Secy., A-15 (Univ. Relations - Visual Services)
Admin. Secy., A-15 (Ctr. International Studies)
Admin. Secy., A-15 (Arch., Art, Plann., 9 mos. year)
Admin. Secy., A-15 (Arch., Art, Planning)
Admin. Secy., A-15 (Arch., Art, Plann., 9 mos. year)
Admin. Secy., A-15 (Univ. Libraries, Olin)
Admin. Secy., A-15 (University Development)
Library Asst. III, A-15 (Univ. Libraries, Uris)
Admin. Secy., A-15 (Cornell Univ. Press)
Admin. Secy., A-15 (Chemistry)
Admin. Secy., A-15 (Personnel)
*Principal Clerk, A-14 (Statler Inn)
*Dept. Secy., A-13 (Office of Admissions)
Dept. Secy., A-13 (University Development)
*Dept. Secy., A-13 (Graphic Arts Services)
Dept. Secy., A-13 (Law School)
Dept. Secy., A-13T (English)
Sr. Account Clerk, A-13 (Accounting-Endowed)
Dept. Secy., A-13 (Hotel Administration)
Dept. Secy., A-13 (Hotel Administration)
Dept. Secy., A-13 (Lab of Ornithology)
Sr. Account Clerk, A-13 (U. Libraries, Olin)
Dept. Secy., A-13 (Computer Services)
Dept. Secy., A-13T (Admissions)
Dept. Secy., A-13 (Law School)
Dept. Secy., A-13 (U. Libraries, Engineering)
Dept. Secy., A-13 (Cornell Univ. Press)
Sr. Key punch Op., A-13 (Univ. Libraries, Olin)
Sr. Key punch Op., A-13 (Accounting-Endowed)
Dept. Secy., A-13 (Ctr. Int'l Studies)
Dept. Secy., A-13 (Computer Services)
Dept. Secy., A-13 (Africana Studies & Research Ctr.)
Searcher I, A-13 (U. Libraries, Olin)
Searcher I, A-13 (U. Libraries, Olin)
Lib. Asst. II, A-12 (U. Libraries, Olin)
Lib. Asst. II, A-12 (U. Libraries, Olin)
Lib. Asst. II, A-12 (U. Libraries, Olin)
Lib. Asst. II, A-12 (U. Libraries, Olin)
Lib. Asst. II, A-12 (U. Libraries, Africana)
Sr. Clerk, A-12 (Accounting-Endowed)
Sr. Clerk, A-12 (Health Services)
Sr. Clerk, A-12 (Dining Services)
Accounting Clerk IV, NP-14 (State Fin. & Bus.)(2)
Library Asst. NP-8 (Vet Student Administration)
Admin. Secy., NP-8 (NYSSILR)
Admin. Secy., NP-8 (Div. Nutritional Sciences)
*Steno II, NP-6 (Finance & Business)
Steno II, NP-6 (NYSSILR)
Steno II, NP-6 (NYSSILR)
Steno II, NP-6 (Div. Nutritional Sciences)
Lib. Asst. II, NP-5 (Flower Veterinary Library)
Steno I, NP-15 (Ag. Economics)

SERVICE & MAINTENANCE

Prof. Chef, CPO5 (Dining Services)
*Cook II, A-17 (Dining Services)
Cook II, A-17 (Dining Services)
*Stockkeeper, A-16 (Maint. & Svc. Ops.)
*Asst. Sanitation Spvr., A-15 (Statler Inn)
Cook I, A-15 (Dining Services, 9 mos. year)
*Head Custodian, A-14 (Bldgs. & Grounds)
Short Order Cook I, A-14 (Dining Services, 9 mos. yr.)(2)
Asst. Cook, A-14 (Dining Services, 9 mos. year)
Stockkeeper II, A-14 (Dining Services, 9 mos. year)
Short Order Cook I, A-14 (Dining Svcs., 9 mos. year)
*Head Food Svc. Worker, A-13 (Dining Services)
Custodian, A-13 (Residence Life)
*Custodian, A-13 (Bldgs. & Grounds)
Custodian, A-13 (Dining Services) (3)
Custodian, A-13 (Residence Life)
Custodian, A-13 (Dining Services, 9 mos. year)
*Telephone Op., A-13 (General Svcs., Telecommunications)
Laundry Worker II, A-12 (General Svcs., Laundry)
Stockkeeper I, A-12 (Graphic Arts Svcs., 35 hrs. wk.)
*Food Svc. Worker, A-11 (Dining Svcs.)
Food Svc. Worker, A-11 (Dining Svcs., 9 mos. yr.)(9)
Food Svc. Worker, A-11 (Dining Svcs., 9 mos. yr.)(2)
Food Svc. Worker, A-11 (Dining Svcs., 9 mos. yr.)(3)
Cashier II, A-11 (Dining Svcs., 9 mos. yr.)(4)
Steamfitter (Maintenance & Service Ops.)
Heating Plant Worker, NP-8 (Bldgs. & Prop., Geneva)
Farmer, NP-7 (Animal Science)(2)
*Janitor, NP-6 (Bldgs. & Grounds)
Janitor, NP-6 (Bldgs. & Grounds)(2)
Lab Asst. III, NP-5 (Seed & Veg. Sciences, Geneva)

TECHNICAL POSITIONS

Elect. Tech. III, A-19 (Computer Services)
Sr. Tech. Aide, A-19 (Computer Services)
Sr. Lab Tech., A-18 (Biochem., Mol. & Cell Biology)
Sr. Lab Tech., A-18 (Biochem., Mol. & Cell Biology)
Lab Tech., A-19 (Materials Science Center)
Technical Aide II, A-17 (Biochem., Mol. & Cell Biology)
* Drafter I, A-14 (Geological Sciences)
Programmer C, NP-13 (Education)
Res. Tech. III, NP-12 (Plant Pathology, Geneva)
Lab Tech. II, NP-11 (Plant Pathology)
Lab Tech. II, NP-11 (Vet Micro., J.A. Baker Institute)
Lab Tech. II, NP-11 (Animal Science)
Experimentalist I, NP-11 (Physical Biology, Vet.)
Res. Supp. Spec. I, CPO3 (Food Science & Tech., Geneva)
Res. Supp. Spec. I, CPO3 (Synch. Rad. Facility & Appl. & Engineering Physics)
Asst. Mgr.-Rad. Safety, CPO3 (Life Safety & Had. Safety)
ADMINISTRATIVE POSITIONS
Director, Univ. Personnel Services (Personnel)
Executive Director, CPO8 (Office of Equal Opportunity)

Continued on Page 6

Road Closing Announced

Campus Road between Statler Drive and Central Avenue will remain closed to through traffic through Sunday, Sept. 17, 1978, due to underground utility repairs

at the East Avenue intersection, according to William Wendt, director of transportation.

Although all parking areas in the vicinity will continue to be available, motorists should use other access routes and avoid this section of campus whenever possible during this period.

Central Avenue has reverted to its normal one-way-north traffic pattern with on-street "U" parking again allowed.

The Cornell Campus Bus Service and the Northeast Transit lines will continue to use the East Avenue-Tower Road temporary route (stopping at Stimson Hall and at the Tower and East intersection) during this period. Ithaca Transit buses will use Central Avenue northbound (stopping at Willard Straight) and West Avenue southbound (stopping at Anabel Taylor Hall) until normal service can be resumed in mid-September.



CORNELL
CHRONICLE

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Trustees, Faculty Plan Discussions of Finances

Three dates this month have been set for preliminary discussion of Cornell's long-range financial plans by trustee and faculty groups, according to Provost W. Keith Kennedy.

On Sept. 12, the matter will be brought to the Executive Committee of the Board of Trustees at its meeting in Ithaca. The Faculty Council of Representatives will meet Sept. 13, and the subject will be on the agenda when the full faculty meets on Sept. 20. It is also expected that a discussion will be scheduled with the Campus Council Priorities Committee.

These sessions are part of the timetable outlined by President Frank Rhodes in May of this year when he said he would present to the full Board of Trustees in January 1979, a plan for maintaining Cornell's academic strength in the 1980s in the face of adverse financial conditions.

Major analytical studies are in process in 23 areas, according to Kennedy, as a basis for shaping Cornell's academic and financial future.

"One of the primary goals of this work," Kennedy said, "is to establish a more stable long-range environment for our academic programs so we can free faculty and staff from constant preoccupation with budget balancing."

He said he expects that it will take several years to bring operations and finances into a state of relative equilibrium. "It is likely that a three-year program will emerge to bring into balance academic and financial concerns," Kennedy said.

Cornell goes into the 1978-79 budget year with a budgeted deficit of \$2.2 million plus an additional \$1.3 million draw-down of capital for Ithaca operations.

President Frank Rhodes has committed to the Board of Trustees that steps would be taken to reduce this year's budgeted deficit. Towards this end academic and administrative units have been assigned savings targets and steps are being taken to enhance tuition income through increased spring semester enrollments.

Among the long-range adjustments which are being explored, in addition to curtailing operating expenditures, are increasing gift, research grant and tuition in-

come, balancing fall and spring enrollment, encouraging transfer students and adjusting fees and other pricing policies.

The University's current and future condition is being tested, Kennedy said, against estimates prepared in other universities facing similar difficulties and against estimates prepared earlier at Cornell.

Kennedy pointed out that some objectives of planning for the 1980s will include establishing clearcut definitions of academic priorities, balancing the annual budget, and rebuilding capital funds.

Cornell now ranks among the top research universities in the nation but concerns have grown that its position might slip if its financial condition is not strengthened.

Kennedy pointed out some warning signals, including the shrinking value of endowment funds relative to the size of the University's budgets, increasing dependence on tuition to meet costs, deterioration of the physical plant, and the fact that some units within the University have tried to do too much with the funds available.

He said that in the future there will be increased competition for the best students and that Cornell's financial position would be affected by continuing inflation, increased government regulation, an unstable economic environment and growing competition for gifts and grants.

The assumptions used in developing the three-year program, according to Kennedy, are aimed at maintaining "the excellence and distinctive quality of the faculty and its programs in instruction, research and public service. Everything else," he said, "must be supportive of that."

Summer Summary

Events of the summer are reviewed in a special section, pages 9 through 14.

'The Chronicle Is ...'

As we enter another publication year, it seems appropriate at this time to put down a few notes about what the Chronicle is and what it is intended to do.

In a statement of purpose when the Chronicle was started in 1969, we said, in part:

The purpose of the Chronicle is to provide official information, important to its readers as members of the University, but not readily available through existing communications channels....

"The Chronicle is *not* intended to compete with local communications media reporting on University activities. It is intended to supplement their efforts by providing more comprehensive information than the media can devote to University matters due to limitations of space and time."

This year it is the intention of the Chronicle staff to provide more people news of Cornell staff people—more Profiles, more features on individual University units and what they do, more news of individual achievements, more information of specific importance to employees.

This also would be an appropriate time to check up on our distribution system. If any reader knows of a place on campus which should receive copies and doesn't, or a place where there are too many or too few copies delivered, we would appreciate it if that reader would call Barbara Jordan, circulation manager, at 256-4206 and pass this information on to her.

Also, at any time of the year, if you have an idea you think would improve the Chronicle, please either call or drop us a note with your idea. THE EDITOR

Profile Miles, Smiles Make the Day

It's been a lot of miles and hard traveling from a farm near Richford to the bus stop at Goldwin Smith Hall, but Jim has done it with quality and style.

Jim is one of eight regular drivers for the Cornell Campus Bus Service. The others are Cleon, the head driver; Marion, Ronnie, George, Bob, Oliver and Louis. (Drivers have only first names — if any — to most passengers, even to those who've been riding the Cornell buses since the service began in 1965.)

Several of them have come to Cornell along a route similar to Jim's. But Jim, with his high, infectious laugh, occupies a special place among the drivers — and in the lives of his riders on his 7 a.m. to 4 p.m. shift. After all, anyone who drives at Christmas dressed as Santa Claus and who never owned a CB during some 10 years of driving an 18-wheeler has to occupy a special place.

"The ride with Jim in the morning often is the highlight of the whole day," one passenger says. Another observes, "He's always 'up,' always able to give you a good start or finish to your day."

In December, Jim gets a smile from just about everyone when he dons a complete Santa Claus suit. "This will be my fourth year," he says. "I did it on a bet. A woman bet me a quart of gin I wouldn't do it." He won, and though the payoff for the role is less tangible now, it's doubtful that he'll soon give it up.

Jim has been behind a steering wheel for most of the last 33 years. He started working at 14, driving a truck for a local potato farm. He himself grew up on a farm near Richford and he's always made his home within 20 miles of Ithaca. Now he lives in Enfield with his wife, Shirley, and their four children.

His "serious" driving began in the late 1950s when he became a tractor-trailer driver with North American Van Lines. In nearly 10 years that job took him from New York to California — he missed Arizona, Louisiana and New Hampshire — and he averaged 500 miles a day on the road. Now, he travels some 85 miles on his 12 daily round trips from A lot to B lot.

"I drove to New York when Route 17 was two lanes," he says. "That was back when you worked for your driver's license. You didn't go out and pay \$300 and get one by going to some school. That does not make a truck driver, as far as I'm concerned."

Jim gave up cross country driving to spend more time with his family, but he still made his living behind the wheel. He hauled live poultry for five years for Marshall's Hatchery, then located on Route 79 west of Ithaca. That job gave him his most dangerous driving experience — and a good story.

"One day on the Thruway a car got forced into the median. He braked, then came back on the road right into the side of the trailer. I came very



Jim

close to losing the whole rig," Jim recalls. What he did lose was his load: 5,000 chickens. "It didn't seem funny at the time, but it does now: 5,000 chickens running all over the Thruway in Batavia."

In June 1972 he came to work as a Cornell driver. He misses trucking — "I'll probably miss it 'til the day I die." — but enjoys camping and working around his house, building a patio and chimney for the wood stove. But always there are the Cornell people.

From 7:30 to 8:30 a.m., he exchanged smiles and "good mornings" with most passengers. With some, he seems to be engaged in ongoing five-minute conversations — interrupted by gaps of only 24 hours. During the middle of the day, he'll probably startle a friend on the street with a comment over the p.a. system. From 2:25 to 3 p.m., he trades jibes and wisecracks with maids, janitors and custodians on their way home. "You have a real good time with the people," he says.

And if the people remember that everybody gets grumpy sometimes because of a headache, backache or bills, they can have a good time with all the drivers: Cleon Daniels, Marion Hanson, Ronnie Kannus, George Lehr, Bob Munch, Oliver Nivison, Louis Pendleton.

And Ransom "Jim" Royce.

Robert W. Smith

Equal Opportunity Offices to Combine

University offices overseeing affirmative action, the status of women, Title IX and the handicapped soon will be combined into a single unit for equal opportunity, according to Provost W. Keith Kennedy.

The consolidation of offices has been prompted by the impending retirement of Ramon E. Rivera, affirmative action officer at Cornell since 1971. Kennedy said. Rivera suffered a heart attack last winter and plans to retire as soon as a replacement can be found.

"We deeply regret the slow and incomplete recovery experienced by Mr. Rivera," Kennedy said. "We sincerely hope that retirement will provide him an opportunity to obtain the rest he needs in order to regain his health and strength."

The decision to create the Office of Equal Opportunity came as a result of the recommendation of a committee chaired by W. Donald Cooke, vice president for research at Cornell.

The position to be vacated by Rivera will be filled by an executive director of the office who will serve as deputy to a senior officer of Cornell and will have supervision of the office staff.

According to the position description, "The responsibilities of the office will include all aspects

of the programs mandated by state and federal legislation and the programs of the University pertaining to equal opportunity, affirmative action, status of women, Title IX, and Sections

503 and 504 of the Federal Rehabilitation Act." A national search for an executive director is under way. Applications are due by Oct. 1.

Tuition Plan Deadline Set

The deadline for applications for Cornell Children's Tuition Scholarships for 1978-79 will be Sept. 22, according to the University's personnel benefits office.

The Sept. 22 deadline applies

War on Waste

In the continuing war on waste being waged on campus, several suggestions have crossed the desk of the University's War on Waste Committee repeatedly. Among these is the following:

Those wishing to send mail to the Geneva Experiment Station should use the Campus Mail Service and mark the envelope for the Geneva Experiment Station, Box 15, Roberts Hall. This avoids the use of first class postage, and it receives one-day service.

If you have other suggestions, submit them to Jack W. Lowe, B-7 Day Hall. If your's is a good one, it might win a cash prize.

to applications for other institutions, as well as for Cornell applications.

Cornell's new registration policy, which requires that Cornell students be fully registered within the first three weeks of the first semester — Sept. 22 this year — has brought about the establishment of the deadline. In the past, applications were accepted through the end of an academic year.

Exceptions to the deadline will be made only in extreme circumstances, according to the personnel benefits office. Questions should be directed to that office at B-12 Ives Hall, extension 6-3936.

In future years, Cornell Children's Tuition Scholarship applications will be accepted only through the third week after the first day of classes at the University.

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 must be typed, double space, no more than 600 words in length. The Chronicle must adhere to this limit because of space and financial restrictions. The deadline is Monday noon. Letters addressed to someone other than the editor, personal attacks against individuals or unsigned letters will not be printed.

Investment Policy Rebutted

Editor:

Since 1969 the question as to whether or not Cornell should invest in companies operating in South Africa has been a hotly debated campus issue.

Those who support U.S. investment in South Africa rely on three major arguments to justify their position. They propose that the withdrawal of U.S. firms would cause substantial unemployment and hardship among black workers, that U.S. firms do (or can) exert a positive influence on the South African situation, and that black leaders in South Africa oppose divestment. As a self-exiled South African, and one who has studied the economic and political situation in that country, I have written this letter in order to point out the fallacies inherent in each of these statements.

The most comprehensive information available on the employment practices of U.S. firms operating in South Africa is contained in the Clark Report (U.S. Corporate Interests in South Africa: A Report to the Committee on Foreign Relations of the U.S. Senate, January 1978). The data are limited in that 54 of the 260 U.S. firms operating in South Africa did not respond at all to the questionnaire (of which Cornell invests in Coca Cola, A.C. Nielson, S.C. Johnson and Tampax), and a further 108 declined to provide any information (including Olin). The information which is available indicates the following: First, relative to their South African counterparts, the sample of U.S. firms employs a relatively large proportion of white workers. White employees constitute 45 percent of the labor force of these companies, in comparison with 22 percent in the South African manufacturing sector as a whole.

Second, black laborers employed by U.S. firms constitute a very small proportion of the total black labor force. Using various assumptions to make allowance for the missing data, I estimate that at most 1.5 percent of black South African workers are employed by U.S. firms, and the correct figure is probably in the vicinity of 0.5 percent to 0.8 percent.

Third, contrary to popular opinion, U.S. firms do not on average pay their black workers particularly high wage rates. The survey identified 16 firms which compensate their black workers at a level sufficient to attain a reasonable standard of living as defined by official criteria. A substantially larger number of firms — including Ford, Goodyear, Firestone, Colgate-Palmolive and Kellogg — pay wages which "cover only those expenses necessary for survival" (Clark Report, p. 109).

The Clark Survey also questioned firms on the obstacles which they encountered in promoting black workers. Seventy-seven percent claimed to have experienced difficulties, citing as the primary reasons South African laws and racial prejudice. To the extent that avenues are available for circumventing restrictive labor legislation, the report found that "Overall U.S. companies in South Africa are not taking an aggressive role

with the South African government on labor-related issues" (Clark Report, p. 118).

Even if U.S. firms did improve substantially the wage rates and working conditions of black laborers, the net effect of the presence of U.S. firms in South Africa would still be negative. In essence, this presence is serving to support the white minority regime and enabling it to continue repression and racial discrimination on a scale comparable only with Nazi Germany.

There are those who contend that the withdrawal of U.S. firms would cause white South Africans to become more intransigent and oppressive. This in turn implies that by supporting the South African regime — or refraining from offending it — political repression might be alleviated or at least maintained at present levels. Again, the evidence indicates otherwise. During the 1960's South Africa experienced huge foreign capital inflows, one of the highest rates of economic growth in the world and comparatively little criticism from the West. In this period increasingly restrictive legislation appeared on the books, including the Terrorism Act of 1967 and the Prohibition of Political Interference Act of 1968.

Those very marginal improvements which occurred — for example the government's permitting some interracial sport — have resulted directly from powerful international pressure, primarily the banning of white sports teams from international competition. White South Africans are extraordinarily sensitive to American disapproval, and while divestment is primarily a symbolic act, it would have a considerable impact on white opinion in South Africa. More importantly, it would constitute a major statement of solidarity with the oppressed black majority who will eventually assume their rightful position of leadership in South Africa.

This leads me to the final point, that of the frequently cited opinions of prominent black South Africans. The attitudes of the majority of the population towards foreign investment is, of course, a difficult question given that those political leaders known to have widespread popular support are either incarcerated (Nelson Mandela) or dead (Steve Biko). Consequently, in assessing the issue, one has to rely largely on inference and on

understanding the subtleties inherent in indirect statements. The South African Council of Churches, an ecumenical group representing approximately 15 million South Africans (58 percent of the population), recently issued a statement on foreign investment in South Africa. According to the New York Times of July 13, 1978: "The South African Council of Churches...went further than any legal organization in South Africa has ever done in counseling foreign investors to weigh moral factors before expanding their involvement. Noting that 'foreign investments and loans have largely been used to support the prevailing patterns of power and privilege' in the country, the church group declared: 'We urgently call on foreign countries and organizations, for the sake of justice, to revise radically their investment policies and employment practices in regard to South Africa, in such a way as to benefit the total population.'"

The Times report goes on to note that "Bishop Desmond Tutu, the black who is general secretary of the council, acknowledged that the formulation of the statement had also been influenced by legal considerations. *At least three South African laws make it illegal to advocate political change by means of foreign economic pressure, and two of them provide a maximum penalty of death or life imprisonment.*" (My emphasis.)

These laws, together with the fact that South Africa has no equivalent of the Fifth Amendment and that abstention from comment can be interpreted by the authorities in any way they choose, place leading black South Africans in an extraordinarily difficult position when confronted with direct questions as to their opinions on foreign investment. One should therefore regard with great skepticism reports by Mr. Sol Linowitz and others that certain prominent black South Africans support the presence of U.S. firms.

Indeed it is precisely the nature of the South African political-economic system, and the fear of reprisal whereby it is maintained, which render so abhorrent the continuing support of institutions committed to the principles of academic and human freedom. *Gillian Hart '78*

*Research Associate
Department of Agricultural Economics*

Episcopal Guild Scholar Is Convocation Speaker

Dr. Ursula Niebuhr, president of the Guild of Scholars of the Protestant Episcopal Church, will be the speaker for the Sage Chapel convocation at 11 a.m. Sunday, Sept. 10. The sermon topic is "Redeeming the Time." The reader at the service will be Cornell president Frank Rhodes.

Niebuhr worked with her husband Reinhold Niebuhr until his death in 1971. She taught at Barnard College and Columbia University and in 1973 was scholar in residence at The Ecumenical Institute for Advanced Theological Studies at Tantur, outside Jerusalem.

She was educated at Southampton University, Oxford University and Union Theological Seminary. She edited "Justice and Mercy," written by her husband and posthumously published in 1974. In 1977 she was the Sprunt Lecturer at Union Theological Seminary, Richmond, Va.

Niebuhr will lecture at 8 p.m. Sunday in the Chapel of Anabel Tyllor Hall on the subject "Guidelines For Christian-Jewish Relations."

Music will be provided by the Sage Chapel Choir under the director of Donald H.M. Paterson, University organist.

Council to Hold Student Reception

All students and particularly freshman are invited to a reception Wednesday, Sept. 13, to acquaint them with the operation of the Campus Council, its committees and their concern with campus governance.

The reception is scheduled for 4:30 p.m. in the third floor lounge of Noyes Center.

By way of background, the Council office, located at 133 Day Hall, has issued the following information:

The Cornell Campus Council was established by Chancellor Dale R. Corson in 1977, while he was president, to provide for the discussion of campus issues, examine matters of campus interest, supervise the judicial system, and maintain a system of committees with policy making authority in areas of University affairs which are non-academic in nature. This system provides for participation in decision-making by students. Faculty and employees in areas of joint concerns to them. The Campus Council consists of 7 students, 7 faculty, 2 employees and 6 ex-officio members. All meetings of its various committees (listed below) are open to the public.

Committee on Committees (COC) is responsible for selecting student and employee members of the various Campus Council standing committees, boards, and ad hoc committees, for overseeing their active and efficient performance and for replacing ineffective members. It is responsible for conducting Campus Council elections and student and employee trustee elections. It is also responsible for assisting the Council in coordinating the work of its committees and ensuring that the business of the Council and its committees is conducted efficiently.

Codes and Judicial Committee (C&J) considers substantive and procedural rules of the *Campus Code of Conduct* and the *Statement of Student Rights*, and makes recommendations concerning changes in these rules to the Campus Council provides advice to the Committee on Committees in selecting states of qualified candidates for the Hearing and Review Boards; may review rules and procedures established by other campus bodies, including policies of the University administration that affect campus life, with both rule-making and punitive authority.

The Campus Planning Committee reviews and makes recommendations to the president on plans for construction and major renovation of all new or existing buildings, physical structures and lands on the Ithaca and Geneva campuses of the University. It reviews, in consultation with the Committee on Transportation (COT), all plans for alterations of or additions to roads and parking lots on the Ithaca and Geneva campuses of the University and makes recommendations to COT, and through it, to the Council.

The Priorities Committee has authority to review issues that arise in the course of the preparation of the University budget and may review plans for the development of the University in advance of any final decisions with respect to these plans.

The Committee on the University as an Employer (CUE) has authority to examine the University's personnel policies and make recommendations to the appropriate bodies and University officers concerning these matters. Monitors actions of the Council and its committees as

they affect personnel matters, including morale, and makes recommendations. However, the committee may not investigate the merits of individual grievances.

The Committee on Residence Life determines the policies for student residences owned and operated by the University, University-related housing and off-campus student housing. It meets for the first time this term on Monday at 4:30 p.m. in 117 Day Hall.

The Committee on Dining Services determines policies for the Department of Dining Services. It will meet tomorrow at 4:30 p.m. in 133 Day Hall.

The Committee on Student Life and Activities (SLAC) determines the policies for the registration, regulation, scheduling of events by the Organizations and Activities Review Committee (OARC) and financing of all student organizations by the Undergraduate and Graduate Finance Commissions (UFC and GFC). Any programs of the Office of the Dean of Students other than the Department of Residence Life and the counseling programs shall come under the jurisdiction of this committee. Appeals from decisions of the Undergraduate and Graduate Finance Commission shall be heard by this committee. SLAC will meet tomorrow at 4:30 p.m. in Room 117 Day Hall.

The Board on Student Health (BOSH) determines policies for the Student Health Services with the exception of policies relating to the professional aspects of medical care. It will meet Monday at 4:30 p.m. in 133 Day Hall.

The Committee on Transportation Services (COTS) determines policies for the Department of Transportation, including policies for parking on the Ithaca campus, for the regulation of traffic, and for the University-operated bus service. Has authority to determine fees and user charges for parking and bus systems. With the assistance of the COC, appoints new members to the Violation Appeals Board and the Special Requests Appeals Board.

The University Unions Board of Governors (UUBG) determines the policies for the University Unions, including policies for the use and scheduling of all University Unions facilities.

The Campus Store Administrative Board reviews and makes recommendations on all policies concerning the Campus Store.

The Board of Directors of Cornell United Religious Work acts as the policy-making body for Religious Affairs.

The Council on Physical Education and Athletics reviews policies affecting programs, services, and practices within the Department of Physical Education and Athletics and advises the Athletic Director. Insures that the needs and interests of the physical education, intramural, and recreational programs are not subordinated to the intercollegiate athletics program.

The Proxy Advisory Subcommittee (A subcommittee on the Investment Committee of the Board of Trustees.) Advises the Trustee Committee on Investments concerning Cornell's social responsibility as a holder of securities and other matters of social policy as they apply to the University's investments. The committee shall continually solicit information from all available sources including corporate management and social and environmental action groups.



There Is a Difference Between Temporary and Transient Housing

The type of accommodations set up for students in "temporary housing" and those in "transient housing" is often confused, according to William P. Paleen, director of residence life and associate dean of students. The barracks-style transient housing (above) is available in Clara Dickson Hall for students who are looking for off-

campus rooms. Arrangements in temporary housing (below) are more private and comfortably furnished with six to eight students placed in one study lounge. The majority of temporary housing is set up in the West Campus dorms. Students are eventually offered permanent on-campus rooms.



Lafayette Papers Project Editorial Assistant Named

Leslie Wharton, a doctoral candidate in American history at Princeton University, has been named an assistant editor of the Lafayette Papers project at Cornell University.

She will serve in the position for one year under funding from the Lila Acheson Wallace Fund of Mt. Kisco, N.Y. through the National Historical Publications and Records Commission.

Underway since 1971, the Lafayette project is aimed at the publication of a six-volume work titled "Lafayette and the Age of the American Revolution." Expected to be completed in the next few years, the project's first volume was published last year.

Cornell has the world's largest collection of personal papers concerning the Marquis de Lafayette, including some 5,000 letters. The project is under the direction of Stanley J. Idzerda, editor of the papers.

Wharton, who is from Providence, R.I., received her bachelor's degree in 1973 from Boston University and a master's degree in 1975 from Princeton. She is specializing in American political economy.

Her first project with the Lafayette papers is to edit the letters of the Marquis during a return

visit to America in 1784. He was on a goodwill tour and also attempted to establish greater commercial interactions between France and the newly freed British colonies.

Parking Spaces Added on Campus

Nineteen additional parking spaces have been added to central campus parking lots at Cornell University, according to William E. Wendt, director of transportation services.

The new spaces result from restriping—for compact cars—portions of five centrally located lots. Previously, the five lots totaled 263 spaces. With the restriping, there are 282 spaces. The compact spaces are 7 feet 6 inches as compared to the normal 9-foot width. They are also marked by signs designating areas for compact cars.

The lots are at Myron Taylor, Hollister, Willard Straight, Sibley and Franklin Halls.

If the new spacing scheme proves successful, more lots will be partially converted for compacts, according to Wendt.

Campus Parking Changes Set

A number of new parking arrangements will go into effect this fall on campus, according to William Wendt, director of transportation.

Eighteen parking meters have been installed on Central Avenue, opposite Gannett Clinic. These 3/4-hour maximum meters are intended to provide much needed rapid-turnover parking for Cornell community members and others visiting

Gannett Clinic, the Campus Store, Willard Straight, Day Hall, or the libraries in this area.

Six two-hour maximum meters have been installed on East Tower Road adjacent to Stocking Hall; these meters will be restricted to use by outside visitors needing longer-term parking facilities than were previously available in this part of campus. Ten two-hour maximum meters have been installed at Helen Newman and five one-hour maximum meters have been moved from the Sibley lot to the existing metered area in front of Noyes Lodge to provide additional short-term parking for Cornell community members, their families, and others using the athletic and dining facilities in that area.

The parking lot south of the new Boyce Thompson Institute building has been expanded and paved and will be open to "O" and "VET" permit holders. Wing Drive has been converted to oneway traffic south, improving controlled access to the interior campus at this point; the parking spaces on Wing Drive and upper Tower Road have been redesignated "U2" restricted interior parking.

In the Lynah-Teagle area, the parking meters have been removed from the South Lynah lot and the entire lot has been

designated "U1" parking. The parking spaces in the Lynah-Teagle lot — formerly U1 — have been redesignated "U" to help ensure that more restricted central campus parking will be continuously available for community members and visitors.

The southwest Barton and Statler metered areas will continue to be open to outside visitors only during the period 8 a.m. to 5 p.m. Monday through Friday. During the period 5 to 10 p.m. Monday through Sunday, however, these metered areas will be open to Statler permit holders only. In addition, the existing "U" parking areas on Statler Drive and in the Ives-ILR lot are now restricted to holders of "S" and "U" permits only from 7 a.m. to 10 p.m., Monday through Sunday.

Finally, the former "E" permit parking spaces in the Balch-Helen Newman area have been redesignated "HN" to reflect that area's discrete, exterior location.

These changes are part of the comprehensive parking proposals adopted by the Campus Council this past spring which are intended to alleviate a number of long-standing campus parking problems.

NROTC Midshipmen Sworn In

Sixty-seven Navy Reserve Officer Training Corps midshipmen were sworn in during ceremonies in Barton Hall Aug. 23. It marked the beginning of three days of intensive orientation, from 6 a.m. to 10 p.m. each day, including physical fitness training, close order drill, classroom lectures and seminar discussions.

The NROTC Class of 1982 will include two women and two brothers, Michael and Bradley Evanoff from Gales Ferry, Conn. Four of the new midshipmen were sworn into the United States Naval Reserve by their fathers, officers presently on active duty in the Navy and the Army.

Cornell Plantations Announces Courses

September offerings in Cornell Plantations's Fall Education Program include outdoor education for youngsters, mushroom hunting, bonsai, campfire cooking and a series of lectures and tours highlighting the Plantations's resources.

"Birds, Beasts N' Bugs," taught by Judith Meckling, is a series of outdoor education programs for 7- and 8-year-olds which supplement elementary school science programs. Three Saturday mornings (Sept. 16, 23 and Oct. 7, with a rain date of Oct 14) will be spent collecting and studying insects, exploring the fish hatchery ponds and visiting the Cornell Laboratory of Ornithology. The fee is \$15.

"Mushrooms," taught by Linda Kohn, will help the beginning mushroom hunter learn the techniques of collection, identification and preservation. Lectures are scheduled from 7:30 to 9:30 p.m. Tuesdays, Sept. 12, 19, 26 and Oct. 3. In addition, a Saturday morning field hike will be arranged so that students can practice their skills and learn about environmental preferences of various species. Two books, "How to Identify Mushrooms to Genus" and "Mushrooms of North America" are included in the course fee of \$32.

William N. Valavanis will teach two courses in bonsai (the Japanese art of dwarf potted trees) on Wednesdays, Sept. 13, 20, 27 and Oct. 4. An introductory short course on the aesthetic appreciation and fundamentals of bonsai—design, pruning, wiring and potting—with the opportunity for students to create their own bonsai will be offered from 7 to 10 p.m. Advanced open bonsai workshops, for those who have already taken a course from Valavanis, will offer an opportunity to develop specialized forms of bonsai. The advanced class is limited to 10 students. The fee for either course is \$25.

"Campfire Cooking," taught by Ronn Brown, will offer alternatives to "beanies and wienies" and freeze-dried fare. Dishes to be created include Oriental

Alternative Agricultures Seminars Set

"Alternative Agricultures," a bag lunch seminar series, will meet from 12:15 to 1:30 p.m. every Friday during the fall semester in room 32 Warren Hall. The seminars will consider to what extent is commercial agriculture fulfilling its function in society as the key to basic health for humanity, making possible our potential for living and growth as individuals and as societies? And to what extent is our present agricultural system a sustainable one?

At the opening session Friday, Sept. 8, Fred Buttel, Department of Rural Sociology, will make an overview presentation on "Agriculture in the Transition to a Sustainable Society."

The following week will feature a presentation on China.

A discussion will follow each presentation. The series is co-sponsored by the Center for Religion, Ethics and Social Policy and the Department of Rural Sociology.

For further information, call Philip Snyder, CRESP, at 256-6486.

prawn soup, wild greens in cheese sauce, apple strudel or mixed stewed fruit cobbler with real biscuit topping. Each class member should bring a mess kit and dress for the weather. The class will meet from 7 to 9 p.m. Mondays, Sept. 18, 25 and Oct. 2. The fee is \$18.

"Exploring Cornell Plantations," will include lectures and tours of the Mundy Wildflower Garden and the Hockwell Field Laboratory by Meg Niederhofer, education coordinator; the Robison York State Herb Garden and the Ground Cover Collection by Audrey O'Connor, editor; the Synoptic Shrub Collection and Hedges by Ann Paschal, landscape designer, and a general tour of the Plantations Arboretum, including a 400-year forecast, by Richard Lewis, director.

Lectures will be held from 7:30 to 9:30 p.m. Thursdays, Sept. 14, 21, 28 and Oct. 5. Saturday tours will be held from 9:30 to 11 a.m. Sept. 16, 23, 30 and Oct. 7. The fee is \$16.

Students can register for courses by mail or in person at Plantations headquarters, 100 Judd Falls Road. Fees must be paid at the time of registration. The Plantations staff requests that calls for more information on the education program and visits to register be limited to 8 a.m. to 4:30 p.m. Tuesdays and Thursdays. The telephone number is 256-3020.

University Libraries Schedules Fall Semester, through December 22

LIBRARY	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Africana Studies	10A-8P	10A-8P	10A-8P	10A-8P	10A-5P	Closed	5P-8P
B & PA	8A- 12mid	8A- 12mid	8A- 12mid	8A-12mid	8A-12mid***	9A-5P	12n-12mid
Engineering #	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	12N-4P	1P-11P
I & LR	8A-11P	8A-11P	8A-11P	8A-11P	8A-5P	9A-5P	1P-11P
Law #	8A-12mid	8A-12mid	8A-12mid	8A-12mid	8A-10P	9A-5P	1P-12mid
Mann	8A-11P	8A-11P	8A-11P	8A-11P	8A-10P	9A-5P	1P-11P**
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
Olin #	8A-12mid	8A-12mid	8A-12mid	8A-12mid	8A-10P	9A-10P	1P-12mid
Physical Sciences	8A-12mid	8A-12mid	8A-12mid	8A-12mid	8A-12mid	8A-12mid	8A-12mid
Uris #	8A-12mid	8A-12mid	8A-12mid	8A-12mid	8A-10P	9A-10P	12N-12mid
Veterinary	8A-11P	8A-11P	8A-11P	8A-11P	8A-5P	9A-5P	2P-11P

*Except for vacation periods when special schedules will be issued.
**The last date of this schedule may vary with changes in the schedule of final examinations.
***B & PA will close at 5:00 p.m. Dec. 22.
*
**Mann Reserve Desk only open at 11A on Sundays.
Hours will vary during study and examination week. Changes will be posted.
No paging at Olin after 6P on Saturdays.

Professor Has Book Published

"Guestworkers in Germany: The Prospects for Pluralism," is the title of a new book written by Ray C. Rist, professor of Human Ecology, examining whether The Federal Republic of Germany, as a representative Northern European country, can continue to reap economic benefits from foreign workers while relegating

them and their children to inferior social status and low-paying jobs.

While a Senior Fulbright scholar at the Max Planck Institute for Educational Research in Berlin, the author examined the social, economic, political, and educational problems of a

once homogeneous country that is now pluralistic, with two million migrant workers, and many of their families.

"To assume that Germany is only for the Germans and that the new immigrants will return home is to distort present realities," he concludes.

Job Opportunities

Continued from Page 2

Admin. Assoc., CPO6 (Public Safety)
Develop. Officer II, CPO6 (Univ. Development)
Develop. Officer II, CPO6 (Univ. Development)
SDS III, CPO5 (Coord. of Special Programs) (Financial Aid)
Admin. Manager II, CPO5 (Maint. & Service)
Admin. Manager II, CPO5 (Utilities)
Cost Accountant, CPO5 (Controller, 1 year)
Admin. Manager II, CPO5 (Cornell Plantations)
Dining Manager II, CPO5 (Dining Services)
Budget Analyst III, CPO5 (Finance & Business)
Manager, Material Control, CPO5 (Maint. & Svc. Ops.)
Counselor-Therapist I, CPO5 (Univ. Health Services)
* Personnel Associate II, CPO4 (Personnel)
Admin. Manager I, CPO4 (Theater Arts)
Regional Director I, CPO4 (Public Affairs-Reg. Offices, NYC)
Health Associate II, CPO4 (Univ. Health Services)
Plant Manager, CPO4 (Food Science)
Assistant Production Director (University Press)
Res. Tech. II, NP-10 (Food Science & Tech., Geneva)
Res. Tech., NP-10 (Biochem., Mol. & Cell Biology)
* Res. Aide, NP-9 (Poultry Science)
Res. Tech. II, NP-10 (Biochem., Mol. & cell Biology)
* Res. Tech. I, NP-8 (Plant Pathology)
Lab Tech. I, NP-8 (Poultry Science)
Lab Asst. III, NP-5 (Div. Nutritional Sciences)
Sr. Arch. Engr. II, CPO7 (Design & Project Mgmt.)
Sr. Res. Supp. Spec., CPO6 (Elect. Engineering)
Comp. Tech. Admin. III, CPO6 (Computer Services)
Sr. Comp. Staff Spec., CPO6 (Computer Services)
Elect. Engineer II, CPO5 (Design & Project Mgmt.)
Res. Supp. Spec. II, CPO4 (Agronomy)
Res. Supp. Spec. II, CPO4 (Plant Pathology, Geneva)
Res. Supp. Spec. II, CPO4 (Div. Nutritional Sciences)
Res. Supp. Spec. II, CPO4 (Nuclear Science & Engr. & Applied & Engineering Physics)
Res. Supp. Spec. II, CPO4 (Plant Pathology, Geneva)
Res. Supp. Spec. II, CPO4 (Mat'ls Science & Engr.)
Comp. Tech. Admin. I, CPO4 (Computer Services)
Res. Supp. Spec. I, CPO3 (Mat'ls Science Center)
Applications Programmer I, CPO3 (Computer Services)
Applications Programmer I, CPO3 (Computer Services)
Applications Programmer I, CPO3 (Computer Services)
Applications Programmer I, CPO3 (Agronomy)
Admin. Spvr., CPO3 (Media Services)
* SDS II, CPO3 (Asst. Director) (A&S Admissions)
Vis. Spec. II, CPO3 (University Publications)
* SDS II, CPO3 (Asst. Director) (Univ. Unions - Noyes)
SDS II, CPO3 (Asst. Director) (University Unions)
SDS II, CPO3 (Residence Life)
Res. Admin. II, CPO4 (Residence Life)
PART-TIME AND-OR TEMPORARY POSITIONS
Temp. Svc. Cler. (Public Affairs, Reg. Offices, temp.pt)
Temp. Svc. Cler. (Animal Science, perm. pt)
Temp. Svc. Cler. (S.E.A. Program, perm. pt)
* Sr. Admin. Secy., A-17 (Sociology, pt)
Lib. Asst. IV, A-17 (U. Libraries, Olin, perm. pt)
* Lib. Asst. III, A-15 (U. Libraries, Engineer, perm.pt)
Lib. Asst. III, A-15 (U. Libraries, Olin, perm. pt)
Admin. Secy., A-15 (CRSR, perm. pt)
Admin. Secy., A-15 (Botany, Genetics & Dev., perm. pt)
Admin. Secy., A-15 (Psychology, temp. ft)
Admin. Secy., A-15 (Arch., Art, Plann., perm. 20 hrs.wk)

* Dept. Secy., A-13 (V.P., Campus Affairs, perm. pt)
Dept. Secy., A-13 (Mat'ls Science & Engr., perm. pt)
Dept. Secy., A-13 (Johnson Museum, perm. pt)
Library Searcher I, A-13 (U. Libraries, temp. ft)
Data Clerk, A-13 (Arch., Art, Plann., perm. pt)
Custodian, A-13 (Dining Svcs., perm. pt)(2)
* Custodian, A-13 (U. Unions, Noyes, perm. pt)(2)
Night Spvr., A-13 (U. Libraries, Engineering, perm. pt)
* Lib. Asst. II, A-12 (U. Libraries, Olin, perm. pt)
* Lib. Asst. II, A-12 (U. Libraries, Physical Sciences, perm. pt)
* Steno, A-11 (Learning Skills Ctr., COSEP, perm. pt)
Clerk, A-9 (Public Affairs, Records, perm.pt)
Admin. Secy., NP-8 (NYSSILR, temp. ft)
Steno II, NP-6 (Div. Nutr. Sciences, perm. pt)
Steno II, NP-6 (Natural Resources, 1 yr. pt)
Steno II, NP-6 (Comm. Svc. Educ., 1 yr. pt)
Steno II, NP-6 (Hum. Dev. & Fam. Studies, perm. pt)
Stockkeeper II, NP-7 (Entomology, perm. pt)
Janitor I, NP-6 (Avian & Aq. Animal Med., perm. pt)
Lab Asst. I, NP-3 (Biochem., Mol. & Cell Bio., perm. pt)
* Temp. Svc. Labor (Pomology, temp. ft)(30)
Temp. Svc. Svc. (Neurobiology & Beh., temp. pt)
Temp. Svc. Stockkeeper (Chemistry, perm. pt)
* Temp. Svc. Tech. (Field Asst) (Plant Path., temp. ft)
Temp. Svc. Tech. (Lab Plasma Studies, temp. ft)
Temp. Svc. Tech. (DCS-Clinical Pathology, temp. ft)
Temp. Svc. Tech. (Biological Sciences, perm. pt)
Temp. Svc. Tech. (LASSP, temp. ft)
Temp. Svc. Tech. (Environ. Engr., temp. pt)
* Tech. Assoc. I, NP-16 (Neurobiology & Beh., perm. pt)
Lab Tech. I, NP-8 (Avian & Aq. Animal Med., Eastport, NY)
Programmer II, A-21 (Comp. Svcs., temp. pt)(2)
Programmer I, 19 (Comp. Svcs., temp. pt)(2)
Programmer I, A-19 (Psychology, temp. pt)
X-Ray Tech., A-17 (Health Services, perm. pt)
* Tech. Aide I, A-15 (Mat. Science & Engr., perm. pt)
Jr. Elect. Tech., A-15 (Mat. Science Ctr., perm. pt)
Systems Programmer III, CPO5 (Comp. Svcs., 1 year)
Temp. Svc. Prof. (NYSSILR, temp. pt)
SDS III, CPO5 (Coord. Student Activities & Orientation) (Dean of Students, temp. ft)
Systems Programmer II, CPO4 (Comp. Svcs., 1 year)
Regional Director, CPO4 (U. Develop., Cleveland, pt)
Appl. Programmer I, CPO3 (Comp. Svcs., temp. pt)
Systems Programmer I, CPO3 (Comp. Svcs., 1 year)
SDS II, CPO3 (Div. of Academic Svcs., temp. ft)
Res. Supp. Spec. I, CPO3 (Comm. Svc. Educ., 1 yr. pt)
* Admissions Counselor, CPO2 (A&S Admissions, temp. pt)
* Temp. Svc. Prof. (Paper Grader)(Comm. Arts, temp. pt)
ACADEMIC-FACULTY POSITIONS (Contact Dept. Chairperson)
* Lecturer (Field Study, Human Ecology)
Asst. Librarian, CPO2 (U. Libraries, Olin)
Asst. Librarian, CPO2 (U. Libraries, Olin)
Research Assoc. I, CPO3 (Veterinary Pathology)
Research Associate III, CPO5 (Chemistry)
Anesthesiologist (Dept. of Clinical Sciences)
Sr. Res. Associate (Agronomy)
Instructor (Asst. Tech. Director)(Theater Arts)
Res. Assoc. I, CPO3 (Educ., Inst. for Hes. & Dev. in Occupational Education)
Lecturer (Field Study Office)
Assoc. Director, Ag. Exp. Station & Assoc. Director of Research (Office of the Director of Research, CALS)
Director of Coop. Extension (NYS Coop. Ext. Admin.)
Res. Associate II, CPO4 (Biochem., Mol. & Cell Bio.)

Customers Include Puppies, Kittens, Snakes

Friday is puppy and kitten day at the New York State College of Veterinary Medicine's Small Animal Clinic. It's a day when the three women who run the clinic's front desk smile a lot. (Who could resist a wagon-load of basset hound puppies or a boxful of malamute-collie crosses?) It's also a day when Marie Tome, Sally Kopko and Janet Clark can catch their breath a bit. The phone seems to ring only every two minutes—instead of every thirty seconds—and the scheduled appointments for puppy and kitten vaccinations are spread throughout the morning.

Still things are far from quiet. Marie Tome greets the puppy and kitten appointments, asks the owners to weigh their pets and fill out a form from which she can make each animal its own blue identification card. This data will later be combined with the animal's medical record in a computerized retrieval system.

A "walk-in" brings Tome a stool sample to be analyzed for tapeworms. Another wants flea powder and her dog's nails clipped. "We don't do grooming," Tome explains, but directs the client to the pharmacy where she can buy flea powder.

Meanwhile Sally Kopko is handling the phone, paging veterinarians, scheduling appointments. "Yes, we can spay your cat, but she needs to have her shots updated two weeks before surgery. She just had kittens? We'll have to wait six to eight weeks until her milk has dried up," she tells a client.

And Janet Clark is processing the paper work and collecting the money for a steady stream of patients who are rejoining their owners. "That's the best part of the job, seeing animals who come in here very sick and go home cured. The dogs, especially, are so happy to see their people—and vice versa," Tome

said. "The quality of the care the animals receive is extraordinary," Clark said. "Our fees for routine procedures—spays, castrations, vaccinations—are about in the middle of what local private veterinarians charge, and we require some things—like shots before surgery—that other practices don't bother with. But when an animal comes in with a complicated problem such as a back or abdominal injury, we don't charge extra for the follow-up examinations. Some of these cases come back for a year or

more," she added. Clinic patients aren't limited to dogs and cats. On the day the Chronicle staff visited the clinic, a Cornell herpetologist called about two of his water snakes suffering from skin problems. Dr. Gary Bolton, who specializes in the treatment of exotic animals, warned the front office that the snakes would arrive at 11:30 a.m. in a 20-gallon aquarium. Animals have come to the clinic for treatment from as far away as Ohio and Virginia. Some are referred by private practitioners, others

are brought in by individuals who have heard about the clinic's facilities. Except for emergency situations, handled 24 hours a day, an appointment is required. The clinic also gives a free exam to pets adopted from the SPCA if the new owner brings the pet and a SPCA certificate to the clinic within three days of adoption.

The clinic also sets aside "call hours" from 11:30 a.m. to noon and from 3:30 to 4 p.m. every day when individuals can obtain

general information directly from a staff veterinarian.

There is never a dull moment in the clinic reception room. Tome, Clark and Kopko agreed. "Especially on Mondays we get so busy sometimes that unless someone shouts at us, we're not likely to even hear them" Tome said.

But one task they are spared—and it is a common one in any veterinary waiting room—is cleaning up puddles. "We usually let the students do that," they said.



Roy and Terry Carling of Newfield and their wagon-load of basset hound puppies are greeted at the Small Animal Clinic by Sally Kopko (left) and Marie Tome.

Females Play Key Role in Baboon Society

Baboons, although not as closely related to humans in an evolutionary sense as the chimpanzees made famous by scientist Jane Goodall, have made the transition from forest to grassland, like early humans, by developing a complex social organization, according to Glenn Hausfater, associate professor of neurobiology and behavior at Cornell University.

Hausfater, co-organizer (with colleagues at the University of Chicago) of one of the first long-term studies of free-living savannah baboons, is discovering details of baboon behavior never before known and challenging some of the traditional assumptions about their social organization.

He has found, for example, that females form the stable core of baboon society. Their rank remains relatively fixed throughout their lives and their status is passed on to their daughters. Males, by contrast, change rank frequently throughout their lives and typically leave the group of their birth at adulthood.

This finding calls into question the description of baboon society put forth in the controversial grade school curriculum, "Man: A Course of Study." In the widely used social studies course, the baboon troop is portrayed as dominated by the larger males, with the rank of females being dependent upon their sexual status and on the rank of the males with whom they associate.

"There may be similarities in the social organizations de-

veloped by large-bodied terrestrial primates—humans and baboons—in order to cope with the dangers of life on the savannah, but, unlike MACOS, our findings suggest that females play an extremely important and key role in the organization of baboon societies," Hausfater said. Hausfater emphasized, however, that he supported the overall goals and design of MACOS and that he was impressed with its successful use in schools.

Hausfater, who has been studying savannah baboons in Kenya's Amboseli National Park since 1971, has pioneered the use of mathematical models and computer simulations to understand and predict animal behavior. Studies by Hausfater and his students focus on individuals over the course of their life cycles—an approach that underlies all studies of baboon behavior at Amboseli.

He and his graduate students use carefully collected, quantitative field observations of a variety of behaviors (including feeding, courtship, mating, grooming and aggressive encounters) to test and refine the models.

The 50 or so baboons in Hausfater's main study group can be observed at close range—often less than 10 feet—without interfering with their activities. Each member of the troop can be identified individually, and its age, sex and reproductive state ascertained from visual cues alone; the animals are not fed or

manipulated in any way.

Among the aspects of baboon behavior currently under investigation by Hausfater and his graduate students are reproduction and mating partner selection, maternal effects on offspring's social development, grooming, parasite infection patterns in relation to social status and behaviors by which baboons regulate their body temperature.

Carol Saunders, a graduate student, is studying grooming behavior to determine who grooms whom and to attempt to use her findings to test so-called

sociobiological or evolutionary theories of who should groom whom based on dominance rank, age, genetic relationship and other considerations.

Jean Meade, a graduate research associate, is studying species diversity of parasitic worms and protozoa recovered from baboons in an attempt to learn how the number and diversity of parasites harbored by an individual changes with the social rank, age, or sexual status of the individual.

A pilot study conducted by Hausfater several years ago in-

dicated that high-ranking males emitted more parasites than lower ranking males, and that parasite egg emission by females was tied more to the reproductive cycle than to rank. His findings suggest that parasite egg emission could be linked to social stress or to the secretion of steroidal hormones.

Jeff Stelzner, who began his first field season of observations in Kenya this summer, is measuring temperature, windspeed and time spent at specific thermal sites within the home range of the baboon troop to determine if baboons select sites within the home range and maintain specific postures to cope with changes in temperature.

All three studies focus on baboon behavior, ecology and social life as an adaptation to the problems of survival faced by primates in natural, wild environments.

"What is needed in social behavior research is a theory sufficiently general to account for recurrent patterns in the life cycles of individuals, but sufficiently sensitive to explain individual differences. The theory also must consider whether individual likes and dislikes, the basic glue of social groups, have survival value," Hausfater said.



Infant baboon, Kub, is sheltered by his mother, Mom, by a water hole in Amboseli National Park, Kenya.





Historical Resources Center Launches Two Programs

Two new programs soon will be launched by the University's New York Historical Resources Center with financial support from four funding agencies. A survey of historical resources held by repositories in a 14-county area of south-central New York State will begin in September. A state-wide pilot program, called Historians-in-Residence, aimed at assisting collaboration between historical agencies and academically trained historians will also begin this fall.

Public funds for the historical resources survey have been provided by the National Historical Publications and Records Commission (\$42,619) and the New York State Council on the Arts (\$6,100). The A. Lindsay and Olive B. O'Connor Foundation, a private philanthropic organization, has contributed \$9,150 toward the survey. The pilot Historians-in-Residence program is supported by grants from the New York Council for the Humanities (\$31,586) and the New York State Council on the Arts (\$17,834).

The historical resources inventory will include manuscript, archival and photographic collections; genealogical materials, architectural records, maps and other graphic materials will also be included. Utilizing a computerized system, the New York Historical Resources Center will be able to produce repository guides, county guides, and, ultimately, a state guide to historically important sources in the

state. In addition, the data will be incorporated into a nationwide data base being created by the National Historical Publications and Records Commission.

The Historians-in-Residence program will bring academically trained historians and historical agencies together in collaborative efforts which will more fully interpret the community's heritage through public programming. During the pilot year the number of such collaborations will be limited. If the test is successful, the program would likely grow to include more institutions and individuals. A Community History Conference is planned for Cornell next summer as part of the Historians-in-Residence Program.

G. David Brumberg, director of the New York Historical Resources Center, said that both programs will assist local organizations in translating their resources into meaningful educational tools for their communities.

"Through the Historians-in-Residence program, broad theoretical concepts will be applied to very specific local artifacts and documents. In this way, the local resources can be placed in a larger context while, at the same time, highlighting the locality's relationship to regional or national historical events and movements. For example, a costume collection can be used to illustrate changes in the concept of the family or the role of women in society," Brumberg said.

"Everyone has an interest in history. The Historical Resources Center will be working to uncover the history of laborers and farmers as well as wealthy first families and to make the information more accessible to the general public as well as scholars," Brumberg said. The New York Historical Resources Center is affiliated with the Department of Manuscripts and University Archives of the Cornell University Libraries and is under the general supervision of Herbert Finch, assistant director of Olin Library.

Women's Studies Holds Seminars

The Women's Studies Program is sponsoring a series of seminars on topics related to women on Fridays from 12:15 to 1:15 p.m. in 105 Industrial and Labor Relations Conference Center.

Tapes of the seminars will be available in the Uris Library Listening Room for those who cannot attend the regular seminars. The seminar schedule follows:

—Sept. 8. "Beyond Androgyny: Some Presumptuous Prescriptions for a Liberated Sexual Identity" by Sandra Bem, associate professor of psychology Women's Studies and new director of the Women's Studies Program;

—Sept. 15. "Sexism in Communist Politics" by Barbara Jancar, associate professor in the Department of Political Science

at the State University of New York at Brockport;

—Sept. 22. "Women and Cooperative Extension" by Eunice P. Heed, extension associate in charge of staff development at Cornell;

—Sept. 29. "Crimes Against Women in the Family: A Slide Show" by Lisa Garrison, former staff member of the United Nations Commission on Crimes Against Women;

—Oct. 6. "Sex-Based Employment Discrimination" by Margaret Gates, co-director of the Center for Women Policy Studies in Washington, D.C.;

—Oct. 13. "Organizing Women Clerical Workers: 'Raises not Roses'" by Jeanne Milstein, a 1977 graduate of the New York State School of Industrial and Labor Relations and organizer of

the "Nine to Five" project in Hartford, Conn.; —Oct. 20. "Women in the Business World: Starting to Make a Difference?" by Myrlie Evers, director of community affairs for the Atlantic Richfield Co. of Los Angeles, Calif.; —Oct. 27. "The Woman Artist and the One Man Show" by Daphne Sola, artist and designer; —Nov. 3. "Transsexualism and Women: A Critical Perspective" by Marcia Yudkin, instructor in the Department of Philosophy at Smith College; —Nov. 10. "What It's Like to Move into a 'Man's Job'" by Eleanor Lundy Rice, Cornell registrar; —Nov. 17. "La questione femminile: Women and Feminism in Contemporary Italy" by Karen Beckwith, a Ph.D. candidate in the Department of Political Science at Syracuse University; —Dec. 1. "Perspectives on Women in Literature: A Panel Discussion" by Eva Rudat (Mellon postdoctoral fellow), Bonnie Buettner (Ph.D. candidate in German literature) and Renee Levin (Ph.D. candidate in comparative literature) at Cornell. All Women's Studies seminars are free and open to the public. Coffee will be available, and participants may bring a brown bag lunch. Child care is available at the Drop In Center, 318 N. Albany St., weekdays until 1:30 p.m. For more information on the day care facility, telephone 272-6259.

Women's Colloquia For Graduates, Faculty

Cornell University's Women's Studies Program is sponsoring a series of colloquia on topics related to women at 12:15 p.m. Thursdays in 494 Uris Hall on the Cornell campus.

The colloquia are designed primarily for graduate students and faculty interested in women's studies but are open to all interested persons. The schedule for the colloquia follows:

—Sept. 14. "Household Production and the New Home Economics" by Jennifer Gerner, assistant professor of consumer economics and housing;

—Sept. 21. "Problems in the Study of Women's Work" by Jennie T. Farley, assistant professor of industrial and labor relations and women's studies;

—Sept. 28. "Women in Folktales" by Alison Lurie, associate professor of English;

—Oct. 5. "Political Theory and the Question of Equality for Women" by Werner Dannhauser, professor of government;

—Oct. 12. "Career Satisfaction and Problems Among Women in Professional Occupations" by Lawrence K. Williams, professor of industrial and labor relations;

—Oct. 19. "Women, Women's Divinities and the Divine: An Investigation of Femaleness as a Social and Cultural Mediator" by Kathryn March, instructor in anthropology;

—Oct. 26. "Women's Public and Private Role: Achievement Over the Life Cycle" by Barbara Richardson, assistant professor of human development and family studies;

—Nov. 2. "Implications of the

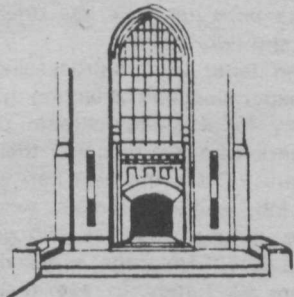
Bakke Case for Women" by Mary Katzenstein, assistant professor of government;

—Nov. 9. "Genes, Hormones and Gender" by Elizabeth Adkins, assistant professor of psychology;

—Nov. 16. "Our Need to Control: Reflections on the Nature of the University" by Richard Baer, associate professor of natural resources and director of the Project on Environmental Values;

—Nov. 30. "The Impact of Uneven Development on Women: The Case of Arab Village Women in Palestine" by Rachelle Taquq, assistant professor at Hobart & William Smith College and lecturer at Ithaca College;

Dec. 7. "Readings on Women in Medieval Literature" by Bonnie Buettner, lecturer in the Women's Studies Program.



WILLARD STRAIGHT HALL

Bi-weekly Forums Planned For Managerial Personnel

A bi-weekly series of forums, intended to generate ideas and possible solutions to current concerns faced by managerial personnel at the University, is scheduled to begin next month.

Announcement of The Management Forum was mailed last week to deans, directors, department heads and supervisors from the Office of University Personnel Services. The program is managed by Wendy Campbell of the personnel development section. She can be contacted at 256-7400.

"We are looking for prompt response to the mailing,"

Campbell said, "in order to establish topics, develop forum leaders and arrange meeting times, and get started as soon as possible. It's very important that managers and supervisors realize that this is 'their program.' They'll run it and profit from it, we believe."

Any Cornell employee with even one person working under him or her qualifies as a manager or supervisor for the forum, Campbell said. Anyone planning to attend needs the approval of his or her supervisor, she added.

Among the 28 possible topics listed to be ranked by interested managers and supervisors are office personality problems, merit pay and charges of inequities, discipline, performance appraisal follow-up, motivation, and the threatened male employee.

Each forum session will be limited to 25 participants and will meet for two hours one morning every other week throughout the academic year. The announcement asks interested people to check the day they could attend.

In listing the objectives of The Management Forum, Campbell said Cornell is "in an environment of shrinking resources and greater managerial pressures."

In order to disseminate information from the sessions, as well as specific courses of action and possible problem solutions to the University community, a bi-weekly round-up of each forum will be published in the Chronicle.

CURW, CRESP Sponsor Religious Studies Program

Cornell United Religious Work and the Centre for Religion, Ethics and Social Policy are sponsoring a Religious Studies Program in Anabel Taylor Hall, with classes to begin Sept. 11.

The program is intended to enrich the existing educational services of both sponsoring groups and to complement the religious studies concentration in the Arts College as well as to bring the Ithaca religious community and that of the University into closer cooperation.

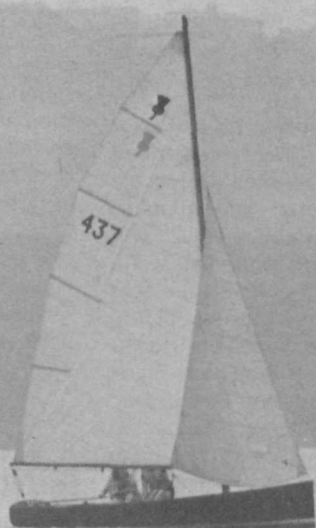
The program will provide an open, informal setting in which to explore and discuss traditional religious systems, and grapple

with issues of substantive moral and social significance.

Course leaders have been drawn from the denominational offices of CURW, from the CRESP staff, from churches in the community and from the University Faculty.

With few exceptions, the courses are non-credit and free of charge. Anyone may register for them. Anyone interested in knowing more about the program or wishing to take part may call Program Coordinator Ingrid Olsen-Tjensvold at 256-6486 or the Religious Affairs Office at 256-4214.





Professor Discusses Nuclear Waste Disposal

No one wants high-level nuclear waste stored in their backyard—but if we don't want simply to pass the problem on to the next guy, perhaps we shouldn't keep producing nuclear waste before we know how to get rid of it, according to Robert Pohl, professor of physics, who also is associated with the University's Program on Science, Technology and Society.

Pohl, who for several years has been interested in disposal problems associated with nuclear power, is a member of a scientific advisory committee that is evaluating a draft report on nuclear waste disposal prepared by President Carter's Office of Science and Technology Policy.

The report calls into question the suitability of nearly all current proposals for long-term storage of nuclear wastes, including burial in deep salt formations such as the Salina Basin that underlies parts of Michigan, Ohio, Pennsylvania and New

York's Finger Lakes Region.

Salt deposits have been considered for storage of nuclear wastes since the late 1950s because they are geologically stable, have high thermal conductivity (to dissipate the heat from the high-level wastes) and plasticity (to seal any cracks that developed in the salt).

Pohl pointed out, however, that salt deposits contain about one half of a percent of water (by volume) trapped in the crystal lattice. This water tends to migrate toward heat—such as that generated by nuclear waste. How much water would migrate and how fast is not known, Pohl said.

As the water trapped within the salt crystals is heated, it may expand and crack the salt, providing a way for ground water to enter the storage area. Because salt is so plastic, the cracks might heal over time—but they might not, Pohl said.

The consequences of water reaching the buried containers is

Summer Summary

not known, but one possibility is that the brine would dissolve the waste container and perhaps the glass material into which the nuclear waste had been solidified. The waste containers might also migrate downward in the salt deposit, perhaps entering different rock formations with unknown effects, Pohl said.

Prior to the release of the OSTP draft report in mid-July, a task force of the Department of Energy had proposed to build six repositories for nuclear waste by the year 2000. The first two would be in salt formations, but would be designed so that the waste could be retrieved if salt were found subsequently to be unacceptable as a storage site.

"We don't know enough about how the waste will behave in the salt formations to have any idea how to retrieve the material,

particularly if it dissolves or migrates through the salt to new locations," Pohl said.

Pohl thinks the OSTP report does not give sufficient attention to the problem of human error. "How long will mankind remember the existence of the disposal site?" Pohl asked. "Using historical experience as a guide, it seems imprudent to expect our descendants' memory to extend more than a few hundred years, any optimistic proposals regarding perpetual guardianship notwithstanding."

One thing future generations are not likely to forget, he said, is that salt is a valuable resource that often occurs with other valuable resources such as oil, gas or potash.

A plan to bury nuclear wastes in a salt formation near Lyons, Kan., he said, was judged unacceptable in 1972 because unplugged drill holes and solution salt mining nearby might serve as conduits for water to enter the repository, and carry some of the toxic waste back to the human environment.

Similarly, several sites in the Finger Lakes Region, including the areas around Watkins Glen, Ithaca and Ludlowville were judged unacceptable by the engineering firm of Stone and Webster in an initial review of the Salina salt formation as a possible disposal site for nuclear

waste because of past and present salt mining activities, he added.

"There is an excellent chance that our descendants will mine in the salt near our waste disposal sites, thus creating a geological situation of the same kind that made us reject the Lyons site and several sites in the Finger Lakes Region," Pohl said.

One conclusion that can be drawn from existing studies, Pohl said, is that future investigations of sites for radioactive waste repositories should focus on geologic formations that are not important resources and that are not water soluble.

Pohl is now reviewing a third draft of the OSTP report on nuclear waste disposal. The interagency committee responsible for the report hopes to present general recommendations on possibilities for nuclear waste disposal to President Carter by Oct. 1.

Rhodes Meets Black Alumni

President Frank Rhodes, in a meeting with the newly-formed

Cornell Black Alumni Association, reaffirmed the commitment of the University to continue

recruiting, admitting and providing financial aid to talented black students as part of Cornell's

ongoing obligation to maintain a diverse student body.

Rhodes also expressed the opinion that Cornell's long-standing commitment to education of and public service to minorities is consistent with the U.S. Supreme Court's recent decision in the Bakke case.

"The recent U.S. Supreme Court decision...need not damage those programs at Cornell designed to help fulfill its founding ideals by assuring more racial diversity in the classes entering and leaving Cornell," according to both Rhodes and the association.

That statement came out of a meeting held on campus July 28 involving representatives of the Cornell Black Alumni Association and University officials.

"The creation of the Cornell Black Alumni Association establishes the beginnings of what should be a positive force in recruiting and assisting minority students," Rhodes said. "We shall look forward to the help of association members in recruitment and in student counseling in life-long responsibilities to career and community. I expect the CBAA will be highly beneficial to black students at Cornell. The association and the University have been supportive of each other's objectives in this formative period and should remain so in the future."

Gladstone Cooper, a 1975 Cornell graduate and now in international banking in New York City, a prime organizer of CBAA, called for more communication between the University and the association, emphasizing the benefits to be derived on both sides through working together.

Black Alumni Association Holds Second Reunion

Helen Claxton, a 1974 graduate of the University, was among members of the Cornell Black Alumni Association who came to campus July 28-30 for a reunion. Following is her account of the weekend:

They came from points as far away as Alabama, Florida, and even California to participate in UPDATE '78, the second annual reunion of the newly formed Cornell Black Alumni Association. Some 75 black graduates of the prestigious Cornell University returned to Ithaca for the weekend—older, wiser, and, in many cases, richer than they were in their days as students.

Amidst the smiles and hugging that went on as the alumni registered, one heard statements like, "I never thought I'd be glad to see this place again." One member of the class of '69, returning for the first time since

his graduation, said, "I swore when I left this place that I'd never come back, but when I heard about it, I couldn't fight the urge to come back."

One alumna confessed while greeting a classmate that she "got all choked up and actually cried" as she drove over the hills of the scenic campus. Still others could be seen throughout the weekend stealing off for a few moments of private reflection. But the initial watery mood was short-lived as the alumni geared up for a well-planned weekend of organizational seminars and recreational activities.

UPDATE '78 got underway Friday afternoon with a meeting between students presently at Cornell and the organizers of CBAA.

In a subsequent meeting, representatives of CBAA spoke with President Rhodes and other top

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Cornell Is in Compliance With Title VI Requirements

A compliance review by the Office of Civil Rights of the Department of Health, Education and Welfare of several aspects of Title VI of the Civil Rights Act of 1964 at the University has been finalized with OCR finding Cornell in compliance.

A letter in July to President Frank Rhodes from William R. Valentine, acting director of OCR for Region II, said OCR "can find no reason why Cornell...should be cited for non-compliance," and concluded the negotiations in which Cornell and OCR have been engaged for several years.

Title VI provides that "No person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance."

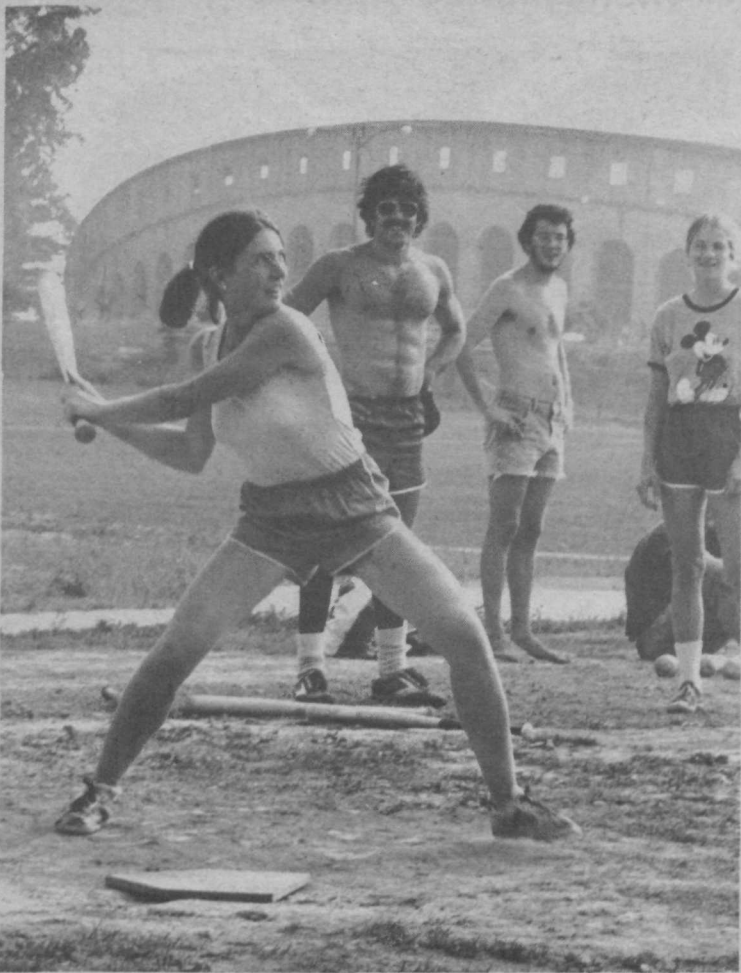
The negotiations began in 1973 after an on-campus review of Cornell was conducted by OCR in 1972. Programs re-

viewed were Ujamaa Residential College, the Africana Studies and Research Center and the Committee on Special Educational Programs.

Cornell officers regularly submitted information and met with OCR officials through May 1975, but "due to national priorities in the Office...between June of 1975 and the summer of 1977, there was a substantial delay in the analysis of the May 15, 1975 data," Valentine said in his letter to Rhodes.

"While the negotiations...were lengthy in time, we feel that a basic understanding between the University and this Office has set a good foundation for any further compliance activities," Valentine wrote. "If the Office of Civil Rights can assist Cornell in the future in matters regarding Title VI or other civil rights laws we enforce, please do not hesitate to contact us."





University Is Issued U.S. Patent on Solar Cell

The University was issued a U.S. Patent in June covering the configuration of micro-thin solar cells that could be used within transparent coverplates on earth, or unrolled like great sails over square-mile areas in outer space, and serve as electrical generating stations for earth.

According to Cornell officials, the invention is the idea of Gregory Williams, a research associate at Cornell, and now also president of Solar Technology Associated Research, Inc., a newly established Ithaca-based firm, which holds the exclusive license to the new Cornell patent, No. 4,094,703.

Williams' invention utilizes a heretofore impractical means for generating electrical energy from sunlight known as photoemission. In photoemission the sun's rays, that is photons, knock negatively charged electrons from a target material permitting them to fly into open space. Stable, high-efficiency surfaces are under development at a variety of research centers. The problem of capturing these freed electrons so they can be built into a substantial electrical charge has been solved by the device's unique geometry, according to Williams.

Roof-top use, community arrays, and very large arrays in sunny areas—providing power nationally—are envisaged. The new device has been discussed with the National Aeronautics and Space Administration, and with Fred Koomanoff and J.

Richard Burke of the Department of Energy's Satellite Power Systems Group for possible terrestrial and space use, Williams announced.

According to STAR's current financial backer and Vice President for Development, David M. Abbott, the possibility exists that panels for terrestrial use might be in production by late 1981.

The keys to Williams' solar cell are its unique geometry, lightness, and apparent cheapness. While similar in texture to the surface of a phonograph record, the new cell will be based on a multitude of mountains and valleys over the surface of the micro-thin, sail-like cells. One side of the ridges will be exposed to the ceaseless photon barrage from the sun, while the other side will be in shadow, collecting the freed electrons. In this way, the sunlit sides will feed the shadow sides in an endless build-up of voltage which can be tapped at any level desired. Each ridge will be insulated from the others. Part of the efficiency of his method, says Williams, is that only a single, extremely thin semiconductor coating is required, whereas standard solar cells require a thicker, very carefully tailored double-layer of semiconductor material.

In addition to developing Williams' idea for use on earth, STAR is working on applications of the idea for use in outer space.

Sagan to Work for NASA

Carl Sagan, the David Duncan Professor of Astronomy and Space Sciences at Cornell University, will spend a year beginning in December working on the National Aeronautics and Space Administration Voyager Mission to the outer solar system and on a 13-part television series for the Public Broadcasting System.

The Executive Committee of the University Board of Trustees has granted Sagan a leave of absence from Cornell from Dec. 9, 1978, to Jan. 5, 1980, to

enable him to work on both projects.

Sagan, who also is director of the Laboratory for Planetary Studies at Cornell, will work at NASA's Jet Propulsion Laboratory in California as a member of the Voyager Imaging Science Team. The team's studies will focus on the cloud systems of Jupiter, including the Great Red Spot, and close-up views of the moons of the giant planet.

The television series, tentatively titled "Man and the Cosmos," will deal with various topics in astronomy and will be filmed at studios in California and on location throughout the world.

Department Chairmen Appointed

Williams

Hibbard E. Williams, M.D., a noted internist and clinical investigator in metabolic and genetic disorders, has been appointed physician-in-chief of The New York Hospital and professor and chairman of the Department of Medicine, Cornell University Medical College. The appointments were effective July 1.

In their joint announcement, Stanley deJ. Osborne, president of the Board of Governors of The Society of the New York Hospital, and Cornell President Frank Rhodes said: "We are indeed fortunate to have obtained a man of Dr. Williams' expertise as a clinician, teacher and administrator. Under his direction, we are confident that the excellence of the Departments of Medicine at NYH and CUMC will continue to make forward strides."

Dr. Williams succeeds Alexander G. Bearn, M.D., who had served in these posts since 1966. Dr. Bearn will continue to pursue his research interests at CUMC and to serve as the first Stanton Griffis Distinguished Medical Professor, an honor accorded him in 1976.

Dr. Williams comes to The New York Hospital-Cornell Medical Center from the University of California School of Medicine in San Francisco, where he had been a faculty member since 1965. Vice Chairman of UCSF's Department of Medicine and chief of the Medical Service at San Francisco General Hospital since 1970, the 45-year-old Dr. Williams was appointed a professor of medicine in 1972. In addition, he served as chief of the Division of Medical Genetics, UCSF, from 1968-70.

A native of Utica, Dr. Williams received the A.B. from Cornell in 1954 and the M.D. from CUMC in 1958. He trained at Massachusetts General Hospital where he was chief resident (1963-4). From 1960-62, Dr. Williams was a clinical associate at the National Institute of Arthritis and

Metabolic Diseases in Bethesda, Md. and in 1964-65 he was an instructor in the Department of Medicine at Harvard Medical School. Dr. Williams was certified a diplomate of the American Board of Internal Medicine in 1965. In 1968 he received the U.S. Public Health Service Career Development Award and was appointed a Markle Scholar in Medicine by The John and Mary R. Markle Foundation; in 1970 he was the recipient of the Kaiser Foundation Award for Excellence in Teaching.

Majumdar Parker Lewis

Three faculty members in the College of Arts and Sciences at Cornell University have all been elected to three-year terms as chairmen of their respective departments.

The three are Mukul Majumdar, professor of economics; A. Reeve Parker, associate professor of English, and Philip E. Lewis, associate professor of Romance studies.

Majumdar, who joined the Cornell faculty in 1973, succeeds Erik Thorbecke, professor of eco-

nomics, as chairman of that department.

Parker, a member of the Cornell faculty since 1967, succeeds Anthony Caputi, professor of English, as department chairman.

Lewis, acting chairman of Romance studies since Feb. 1 while chairman Alain Seznec, professor of Romance studies, was acting dean of the Arts College, previously served as department chairman from September 1973 to December 1975. He came to Cornell in 1968.

Cypess

Dr. Raymond Cypess, professor of microbiology and epidemiology and director of the New York State Diagnostic Laboratory at the College of Veterinary Medicine, has been appointed chairman of the Department of Preventive Medicine at the college for a five-year term.

The department was established with funds from the New York State Legislature in 1977 to promote teaching, research and service programs in the areas of epidemiology, animal health, regulatory medicine, food hygiene, public health and continuing education.

Women's Coaches Named

Evans

Renee Evans of Jamaica, N.Y. has been named women's cross country and track coach replacing Greg Page who served as parttime coach for six years.

Evans attended Adelphi University and was graduated in 1977 with a Bachelor of Science degree in social work. An AAU All-American in 1973, she was a member of the 1975 AAU National Indoor sprint relay championship team while running for the Atoms Track Club of Brooklyn. She was also the Adelphi University intramural

track and field champion in 1975.

Vaissiere

Sharon K. Vaissiere, 26, crew coach at Phillips Exeter Academy in Exeter, N.H., for the past year, has been named women's crew coach at the University.

A 1974 graduate of Boston University with a B.S. degree cum laude in Human Movement and Health Education, Vaissiere coached the Phillips Exeter boys' crew from an inexperienced crew at the start of the season into one of the finest in New England. At Boston University, she was stroke and captain of a championship crew.

Commitment to Blacks Reaffirmed

Here is the complete text of the statement of Cooperation and Commitment:

Cornell University reaffirms its longstanding commitment to adding black men and women to the ranks of the educated by recruiting, admitting, and providing financial aid to talented, motivated black students.

Included in that commitment is a pledge of cooperation with the Cornell Black Alumni Association, established July 29, 1978, in its effort to:

1. Implement or be instrumental in the implementation of programs to further ensure the development of Alumni leaders for further services as trustees, Cornell University Council Members, Cornell Fund officers, Class officers, and other alumni posts;

2. Provide a vehicle to alumni in order to stimulate interest in the development of future services of the association;

3. Recruit students in order to maintain diversity in the Cornell population as well as to increase minority enrollment;

4. Encourage participation by alumni in the Cornell Black Alumni Association Scholarship Fund, as well as the Cornell Men's and Women's Scholarship Funds, thus furnishing additional scholarship support at Cornell University;

5. Encourage appropriate alumni participation in the life and development of our alma mater.

The Association's goals are a natural extension of those expressed by the founders of Cornell. Cornell's co-founder and first president, Andrew Dickson White, said that Cornell, as a great university, should strive to educate blacks and women. "To admit women and colored persons into a petty college would do good to the individuals concerned; but to admit them to a great university would be a blessing to the whole colored race and the whole female sex..." Ezra Cornell, while traveling through the South, saw black slaves auctioned and condemned the institution of slavery; his determination to build a university "where any person can find instruction in any study" was influenced by this experience.

The recent U.S. Supreme Court decision in *University of California v. Bakke* will not weaken those programs at Cornell designed to help fulfill its

founding ideals by assuring more racial diversity in the classes entering and leaving Cornell. For many members of the Cornell Black Alumni Association, a Cornell education has meant the difference between poverty and prosperity, sometimes breaking the welfare cycle for persons whose strengths and motivation allowed them to achieve far beyond the levels predicted for them.

Members of the Association realize that the turmoil and tragedy of past years' disruptions traumatized the Cornell University community. However, the pain of past years can give way to the promise of a new era of open communications and cooperation. Cornell University welcomes the efforts of the Black Alumni Association to identify potential students and produce graduates, black and white, who can help the nation find solutions to the enduring problems of race.

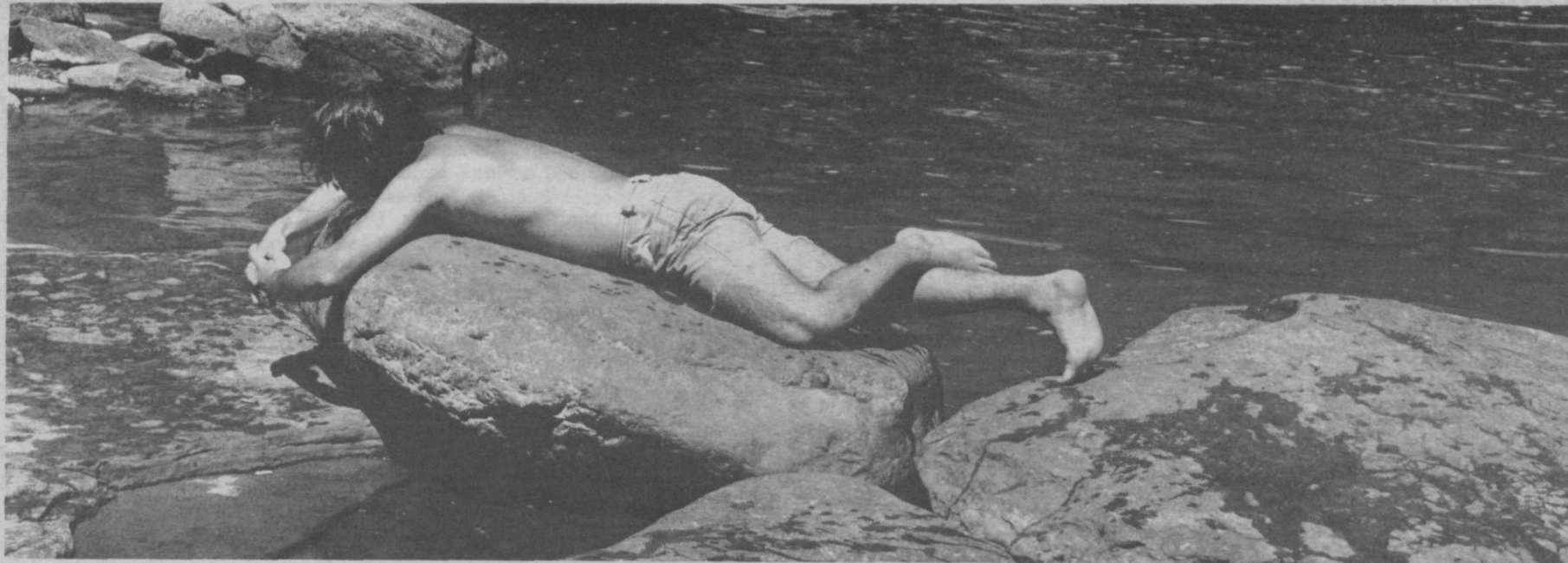
Black Reunion Held

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University officials. Gladstone Cooper '75, a prime organizer of CBAA, opened the session by giving University officials background information on the alumni association. Cooper called for more communication between the two bodies emphasizing the benefits to be derived on both

sides through working together. Cooper presently works in New York City in the international banking field.

The meeting concluded on a warm note, with both CBAA and University officials agreeing to issue a joint statement of commitment and cooperation to continue recruitment and admission of blacks to Cornell.



Alumni Gifts to Cornell Fund Set Record

Records for the amount of money given—more than \$5.4 million—and the number of donors—some 32,000—have been set by the 1977-78 Cornell Fund, the annual alumni giving program.

At the end of the campaign on June 30, the Fund total was \$5,406,687, an increase of more than \$600,000 over the previous high of \$4.8 million in 1976-77. Donors totaled 32,157, up more

than 1,700 from the 1976-77 high of 30,376. It was the seventh consecutive year that donors have topped 30,000.

Preliminary national figures indicate that Cornell will rank among the top four universities in the United States in alumni annual giving for 1977-78.

Results of last year's campaign were announced by Cornell Fund Chairman Charles W. Lake Jr., a 1941 Cornell graduate

from LaGrange, Ill., and Tower Club Chairman Richard F. Tucker, a 1948 graduate from Westport, Conn.

"The leadership of the Cornell Fund board, the hard and dedicated work of more than 3,000 volunteer workers, and the loyal support of our alumni made these records possible," Lake said.

He described the funds raised as "critically important" because they are unrestricted, and "are needed to maintain Cornell as a high quality independent university." Most of the Cornell Fund is applied directly to the University's annual operating expenses.

Another milestone was reached during the recent campaign when the Class of 1918 became the first Cornell class to contribute a total of \$3 million. That amount is the total given by the class since the Cornell Fund began in 1941.

Classes reaching the \$1 million total for the first time are the classes of 1923 and 1939. There are now 19 classes that have reached the \$1 million total.

Gertrude M. Nolin of Skaneateles was one of two class representatives for the Class of 1923.

As in past years, nationwide personal solicitations were augmented by regional and class phonathons.

One of the phonathons involved students, faculty and Cornell administrators. During two weeks in February, more than 200 students at Cornell called alumni throughout the country. They raised some \$63,000 from more than 1,700 alumni.

Ithaca area alumni contributed \$122,571 to the Cornell Fund. The local effort was chaired by two men—Ezra Cornell '70 and Frank Baldwin '23—and three women—Arlene N. Sadd '32, Frances E. Young '31 and Elizabeth T. Cornish '41.

Call Named Acting Ag Dean

David L. Call, director of New York Cooperative Extension in the College of Agriculture and Life Sciences, has been appointed acting dean of the college, pending his final approval as dean by the trustees of Cornell and the State University of New York in September.

Call succeeds W. Keith Kennedy, who left the deanship earlier this summer to become University Provost. His appointment was approved by the college faculty.

Call, born and reared on a farm in Batavia, holds the B.S., M.S. and Ph.D. degrees from Cornell. He served as an assistant professor of agricultural economics at Michigan State University in 1960, and returned to Cornell in 1962 to become the H.E. Babcock Professor of Food Economics in the Graduate School of Nutrition.

As the Babcock professor, Call taught courses in food economics. His research centered on the analysis of government food and

nutrition programs; factors causing changes in nutrition and food

consumption, and acceptance of food analogs and substitutes.

California Man Joins Public Affairs Staff

Leo E. Geier, assistant vice president of university relations for the University of California's systemwide administration, has been named director of University Relations at Cornell University.

The announcement was made by Richard M. Hamin, vice president for public affairs, to whom Geier will report. Geier succeeds Arthur W. Brodeur who became vice President for public affairs at Northeastern University in Boston, Mass. earlier this year.

Geier 52, has been at the University of California since 1969.

Ramin said "I am looking forward to working with Leo Geier who will bring to Cornell's overall

public affairs effort an unusually broad background of experience in public relations and fund-raising at both public and private institutions. His broad perspective and proven leadership will undoubtedly contribute greatly to the part public affairs plays in insuring the continuance of the special contributions Cornell makes not only to America but to the world."

Ramin said Geier's basic responsibilities will be "to recommend policies and programs and coordinate communication programs in order to secure the best possible public understanding and support for the University in teaching, research and public service. He also will evaluate public attitudes and the effect of University policies and activities on University constituencies. He will supervise the professional and support staff of Publications, the News Bureau, Radio-TV-Film, Visual Services, and the Information & Referral Center."

Before joining the staff of the University of California, Geier was executive director of development and vice president for public affairs at Franklin and Marshall College in Lancaster, Pa., from 1963 to 1969. From 1960 to 1963 he was associate director of University Relations at Stanford University and from 1955 to 1960 he was assistant director of public relations at The Johns Hopkins University in Baltimore, Md., and producer of the university's network television documentary.

He and his wife, Deborah Champion Steele of Longmeadow, Mass., have a son Bradley, 20, and a daughter Jennifer, 16.

Spencer Special Assistant To Rhodes for One Year

James W. Spencer, professor of agricultural engineering and associate dean of the State College of Agriculture and Life Sciences since 1973, has accepted a request to become special assistant to President Frank Rhodes for one year. He will devote full time to the new position beginning during the summer.

Rhodes said, "Jim Spencer's professional background in both engineering and agriculture, and his previous experience as associate dean of the College of Agriculture make him exceptionally well-qualified for the analytical tasks which he will assume during the coming year. His experience in having already worked closely with Provost Kennedy and his wide familiarity with many aspects of campus life will be most important during the difficult task of institutional review in which he will be involved," Rhodes said.

"Jim will be undertaking the tremendous task of coordinating the assembling of fiscal and related data for both the academic and service units of the University, especially the endowed units," according to Provost W. Keith Kennedy.

"In addition," Kennedy continued, "he will have the challenging responsibility of analyzing current levels of support in relation to program priorities, workloads and staffing patterns. The overall objective is to help the University make objective, even-handed decisions which will bring Cornell into financial equilibrium."

The primary reason for the creation of the one-year special assistant to the president posi-

tion and the selection of Spencer is because Cornell will go into the 1978-79 fiscal year with an anticipated deficit of \$2.2 million in the general funds operations of the endowed colleges at Ithaca and \$3.5 million in its medical units in New York City.

In May, the Cornell Board of Trustees accepted the deficits as an interim measure, pending formulation and adoption, expected next January, of a plan to achieve a balanced budget.

As associate dean, Spencer has been actively involved in the administration of the Agriculture College's annual operating budget of some \$41 million, as well as monitoring selection and promotion of more than 450 faculty. The college has an enrollment of some 4,000 students.

Spencer, who has been serving as acting dean of the Agriculture College since Kennedy left the post to become provost, joined the Cornell faculty in 1951. Since 1961, he has been a professor of highway engineering in the Department of Agricultural Engineering.

From 1970 to 1973, Spencer was vice director of cooperative extension in the Agriculture College and the New York State College of Human Ecology at Cornell.

Spencer holds bachelor's and master's degrees in civil engineering from Cornell and a Ph.D. in engineering-economic planning from Stanford University. He is registered as a professional engineer and land surveyor in New York.

South Africa Investment Study Committee Named

An ad hoc committee of the Board of Trustees has been named to study and make recommendations concerning the University's investments in corporations doing business in South Africa.

Board Chairman Jansen Noyes Jr., in announcing the committee, said the main issue the committee should address is: "Should Cornell continue its current investment policies as they relate to corporations doing business in South Africa?" He said the committee should explore the social, fiduciary and financial impacts of divestment of such holdings.

Nelson Schaenen Jr., who is chairman of the board's Investment Committee, will also be chairman of the new ad hoc group. Others on the committee

will be Trustees Ardella Blandford-Wilson, Donald F. Holcomb, Joseph P. King, Austin H. Kiplinger, Keith Said and Harvey E. Sampson.

Noyes said that a secondary issue to be considered by the committee is whether trustees should participate in decisions relating to University investments in corporations doing business in South Africa if the trustee or any family member is a director, officer, employee, member, partner or trustee or has a significant financial or other interest which enables him or her to "exercise control or significantly influence policy of a corporation doing business in South Africa."

Noyes asked that the committee report back to the board "as promptly as possible."



Five Named Emeritus

Five University faculty members, whose teaching and research cover such diverse fields as the behavior of sharks and the history of Judaism, have been awarded emeritus status by the Cornell Board of Trustees.

The five are John M. Echols, professor of linguistics and Asian studies, emeritus; Perry W. Gilbert, professor of neurobiology and behavior, emeritus; Norman A. Malcolm, the Susan Linn Sage Professor of Philosophy, emeritus; Ben Zion Netanyahu, professor of Judaic studies, emeritus, and Fred Slavick, professor of industrial and labor relations, emeritus.

Echols joined the Cornell faculty in 1952. The John M. Echols Collection on Southeast Asia at Cornell, which numbers some 135,000 volumes and is regarded as one of the world's largest and most comprehensive records on the culture and history of Southeast Asia, was named in his honor by the University in 1977. He is credited with much of the development of the collection. Echols earned his bachelor's, master's, and doctor's degrees at the University of Virginia.

Gilbert, who has been associated with Cornell for 41 years, has been director of Mote Marine Laboratory in Sarasota, Fla. since 1967. He has studied the biology and behavior of sharks throughout the world for more than four decades. For many years he has been a consultant on shark attack for the Office of Naval Research. Gilbert is a graduate of Dartmouth College who holds his Ph.D. from Cornell.

Malcolm, a member of the Cornell faculty since 1947, specializes in the philosophy of mind. The author of four books,

Malcolm has held several distinguished fellowships, including a Guggenheim and a Fulbright. He was chairman of Cornell's Department of Philosophy from 1965 to 1970. Malcolm is a member of the American Academy of Arts and Sciences and was president of the eastern division of the American Philosophical Association. He is a graduate of the University of Nebraska and holds master's and Ph.D. degrees from Harvard University.

Netanyahu, who came to Cornell in 1971, was awarded emeritus status because of his long and distinguished career, though he had not been at Cornell the 10 years normally required. He served as chairman of Cornell's Department of Near Eastern Studies from 1971 to 1975. He previously held an endowed chair in Hebraic studies at the University of Denver, and was chairman of the Department of Hebrew Language and Literature at Dropsie College. Among the languages he commands are Hebrew, Aramaic, Latin, German, French and Spanish. Netanyahu holds degrees from Hebrew Teacher's Seminary, Hebrew University and Dropsie.

Slavick has been a member of the Cornell faculty for 23 years. He has written on flexible and compulsory retirement policies, unemployment insurance benefits in time of recession, and distribution of medical care costs and benefits. At Cornell he has been a member of the University Hearing Board, committees on financial aid and the calendar, and ILR School committees on curriculum, academic standards, personnel policies and long range planning. He holds bachelor's and master's degrees from the University of Wisconsin and his Ph.D. from Princeton University.

Professors Appointed

Leibovich

Sidney Leibovich, an authority on fluid dynamics, has been elected a professor in the Sibley School of Mechanical and Aerospace Engineering, in the College of Engineering at Cornell University.

A member of the Cornell faculty since 1966, Leibovich earned his bachelor of science degree in engineering from the California Institute of Technology in 1961 and his doctor of philosophy degree in theoretical and applied mechanics from Cornell in 1965.

Leibovich is internationally known for his work in fluid mechanics, especially in the areas of flows involving coupling with electrical and magnetic effects, vortex flows, wave propagation phenomena in fluids, dynamics

of the upper ocean, and hydrodynamic aspects of oil spills at sea.

Meyburg

Arnim H. Meyburg, an authority on transportation planning and engineering, has been promoted to professor in the Department of Environmental Engineering. He also was recently selected as an Alexander Humboldt Foundation Fellow by the Federal Republic of Germany. He is spending the 1978-79 academic year in Germany at the Technical University Munich, conducting research on disaggregate travel demand models for densely populated urban areas.

An expert in transportation planning and engineering, Meyburg has published many technical papers in the field. He is the co-author of three books on transportation systems modeling and evaluation and statistical analysis techniques

Nation

John A. Nation, a specialist in electron beam plasma research, has been promoted to professor of electrical engineering by the University Board of Trustees.

He is the author of some 30 articles and is recognized internationally as a leader in research on the applications of high energy relativistic electron beams to microwave generation and ion acceleration.

Nation is a native of England and earned a bachelor of science degree at the Imperial College in London in 1957. He was awarded a doctor of philosophy degree there three years later.

Three Appointed as Directors

Benson

Frances Benson, managing editor of the publications division of the New York State School of Industrial and Labor Relations since 1974, has been named director of the division, according to Robert B. McKersie, dean of the ILR School.

She replaces Charlotte Gold, who resigned the position last fall.

Benson's duties include financial planning, supervision of personnel, production planning, review and selection of manuscripts, author, printer and public relations, editing, designing, promotion, sales and distribution.

Bent

Frederick T. Bent, a specialist in public administration in the Graduate School of Business and Public Administration at Cornell University, has been named director of the newly established Graduate School of Business Management at the American University of Beirut, Lebanon.

A member of the Cornell faculty since 1958, Bent will be on leave of absence from the B&PA School over the next two academic years.

Scheinman

Lawrence Scheinman, pro-

fessor of government at Cornell University, has been appointed director of the University's Program on Science, Technology and Society for a five-year term, effective Sept. 1. He will succeed Raymond Bowers, professor of physics, as director of STS.

Scheinman, a specialist in international law and organization, with particular emphasis on scientific and technological issues and on nuclear development and non-proliferation policy, has been on leave from Cornell since February 1976, initially as senior

policy analyst and head of international policy planning in the Office of International Affairs of the U.S. Energy Research and Development Administration and then as senior adviser to the Under Secretary of State for Security Assistance, Science and Technology.

Scheinman joined the Cornell faculty in 1972. He previously had been a faculty member at the University of California at Los Angeles and at the University of Michigan. At Cornell he also was director of the Program on Peace Studies.

Foundation Gives Grant to Engineering

The Teagle Foundation, Inc. has made a grant of \$75,000 to the University to be used for the Master of Engineering scholarship program in the College of Engineering.

The program is designed for students seeking a professional engineering degree applicable for practicing engineers, rather than one preparatory for teaching or research.

The foundation is named for the late Walter C. Teagle, a 1900 Cornell graduate who was chairman of the board of Standard Oil Company of New Jersey and a member of the Cornell Board of Trustees. Teagle Hall, a major building for indoor sports at Cor-

nell, is named for him and his wife, Rowena Lee Teagle, and was given by them in 1954.

In explaining the need for the scholarship funds, Edmund T. Cranch, dean of the College of Engineering, pointed out that "unlike research, advanced professional engineering programs are not financed by the government. Students with this orientation and outlook have almost no access to scholarships and other similar forms of support."

"With three-quarters of the undergraduate engineering students pursuing advanced work, it is clear that the problem of scholarship support is the crucial element in the success of a professionally-oriented master's

degree program. We are grateful for this generous grant from the Teagle Foundation. It will help Cornell to assist several new students who are committed to the aims of this professional program."

Since the program was established at Cornell in 1965, it has become the largest of its kind in the country. Some 2,200 men and women have earned the Master of Engineering degree from Cornell in the last 13 years.

"The program is consistent with Cornell's long tradition of placing emphasis on the preparation of outstanding young people for professional careers in industry and business," Cranch said.

Mellon Foundation Matches Funds

The Andrew W. Mellon Foundation has made a matching grant of \$300,000 to the University in support of postdoctoral fellowships for younger scholars at Cornell's Andrew D. White Center for the Humanities.

Terms of the grant cover a five-year period. An initial payment of \$185,000, for use over the first three years, has been received by the University. The remaining \$115,000 will be awarded by the Mellon Foundation to Cornell by 1982-83, if the University raises \$370,000 for the center from other sources during the next three years.

This latest Mellon Foundation support will contribute to the center in several ways, according to Michael Kammen, director of the center, who noted that the new junior, postdoctoral fellows are different from the fellows who have been appointed each year for the past three years under an earlier Mellon grant.

The previous "Mellon Fellows" have been chosen on the basis of departmental need, have a departmental affiliation during their two years at Cornell, and teach half-time in a department, Kammen explained.

"Our new junior fellows, appointed for one year each, will be selected, apart from their intrinsic excellence, on the basis of the importance and pertinence of their applications to our publicly announced integrating theme for a given academic year," Kammen said.

"We will select a cohort of fellows on the basis of their congruent intellectual interests," he continued, "providing them with a mutually supportive setting. We will expect them to address, on common ground, some major and important problem, participate together in symposia, and contribute to a volume concerned with the focal theme of that particular year."

Four or five scholars with Ph.D. degrees who are early in their teaching careers will come to the center each year under the \$300,000 Mellon grant, Kammen said. All of these scholars will come from other institutions in the United States and from abroad.

These younger scholars will be in addition to the two Faculty Fellows and one or two Senior Fellows who now join the center each year. The center's limited permanent endowment sharply restricts the number of fellows,

Kammen said, and consequently the center seeks a permanent endowment of \$3 million.

The center will be reoriented over the next five years, with emphasis in 1979-80 given to assessing the structure of humanistic knowledge and its changing configurations in recent decades, Kammen said. "We will be especially receptive to research by scholars interested in the changing relationships between the humanities, on the one hand, and the social and natural sciences on the other," he said.

Cornell President Frank Rhodes praised the Mellon Foundation for "this generous appropriation," and for the stimulus given the center's efforts by the gift. "There has been extensive and widespread discussion of Professor Kammen's imaginative plan by our faculty and administration and the reorientation of the center is one of Cornell's highest academic priorities," he said.

A sequence of thematic years and suitable program orientations are being developed. "If we replace randomness in the selection of fellows and topics for colloquia with a core focus each year, it should be possible to increase our impact on the humanistic disciplines and upon Cornell as a whole," Kammen said.

A second aspect of the reorganization would involve supporting and also supplementing the traditional, individualistic work done by humanists, Kammen said.

"The time has come," he said, "for humanists to reassess their goals and work—not merely in relation to one another—but in relation to the realm of science in particular, which has been responsible, more than any other phenomenon in the 20th century, for altering the world in which we live and its social as well as political and human relationships."

Unrestricted Gift Received

Gerald J. Grossman, a 1954 graduate of Cornell University and now president of Commercial Trading Co. in New York City, has made an unrestricted gift of \$175,000 to Cornell, according to University President Frank Rhodes.

"We are especially delighted

with Mr. Grossman's generous gift because it clearly reflects an understanding of the needs of the University," Rhodes said. "This kind of extraordinary devotion, without which Cornell could not increase its influence as a major force in higher education, should be still another spur to our efforts in the Cornell Campaign."

The five-year campaign for \$230 million began in 1975 and now stands at more than \$110 million.

Grossman, who lives in Mamaroneck, N.Y. with his wife, Barbara, and their three children, is a native of Forest Hills, N.Y. He was graduated from Stuyvesant High School before attending Cornell's College of Arts and Sciences. Grossman was president of Tau Delta Phi fraternity. He earned a law degree at New York University in 1961.

The Grossman's eldest daughter, Susan, is presently an economics major in her junior year in the Arts College at Cornell.



J.M. Kaplan Fund Gives To Historic Preservation

The J.M. Kaplan Fund, Inc. has made a grant of \$25,000 to Cornell University, earmarked for Cornell's program in historic preservation within the College of Architecture, Art and Planning.

The grant will be used in partial support of an additional faculty member in historic preservation, according to Ian R. Stewart, assistant professor of city and regional planning at Cornell.

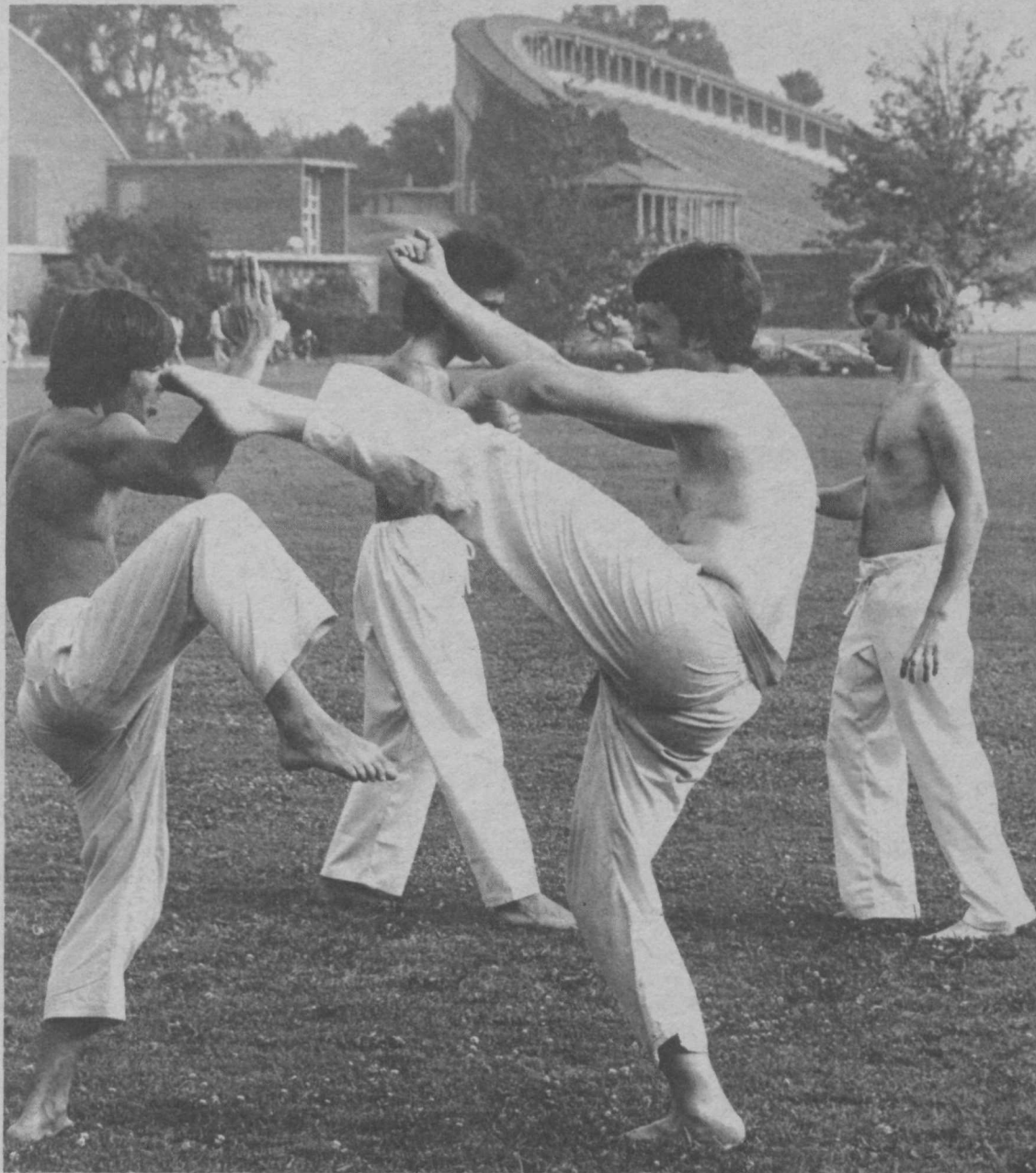
"This grant will not only help to sustain and improve Cornell's status as a leader in preservation education, but is an important investment in the national preservation movement," Stewart said. "More students will be able to be trained and they will receive a more comprehensive education than would otherwise be possible."

At present, Cornell does not have a faculty member whose time is devoted entirely to the teaching of preservation. However, since the 1960s Cornell has pioneered in providing a set of graduate courses in historic preservation by drawing from "faculty expertise and enthusiasm in two existing departments, History of Architecture and City and Regional Planning," according to Stewart.

In 1976, the New York State Board of Regents approved a formal preservation program at Cornell and authorized the granting of a new degree—Master of Arts in Preservation Planning.

The decision by the state "was a recognition that more well-trained people were badly needed for preservation endeavors at both state and local levels," Stewart said.

... Practicing the Martial Arts ...



Medical College Is Awarded Grant

The John A. Hartford Foundation, Inc. has awarded a two-year grant of \$100,025 to Cornell University Medical College (CUMC) to support research by

William M. O'Leary, which may lead to one of the solutions required to overcome bacterial resistance to antibiotics. Dr. O'Leary, who is a microbial biochemist and professor of microbiology at CUMC, has spent

much of his time for the last 12 years working on this medical problem that has risen to alarming proportions since antibiotics were first made widely available after World War II.

Dr. O'Leary has shown that one of a variety of ways in which bacteria become resistant is by changing the nature of the cells' surface into an impermeable barrier. Thus the antibiotics cannot get through to the cells' interior where the antibiotic is needed to affect the micro-organism causing the infection. "Until that time," he said, "although it had been suggested, no one knew with certainty if cells could become impermeable in this way."

Dr. O'Leary hopes that his

method will enable antibiotics to enter the cells and do the job for which they were intended: successfully combat the micro-organisms that caused the infection. But a big problem still remains: "Glassware" (lab test tubes) can tolerate the surfactants—many of which are extremely potent—but the body cannot.

With the support of The Hartford Foundation, Dr. O'Leary has begun what may be a long search to find similar surfactants that are not only effective but mild enough to be safely introduced into the body. His investigations, which the Foundation's grant supports, are titled: "The Potentiation of Antibiotics by Surfactants."

University of Rochester Honors Cornell Professor

The doctor of humane letters degree was conferred on M.H. Abrams, Cornell's Class of 1916 Professor of English, by the University of Rochester at its 128th Commencement May 7.

Engineering Professor Elected to Chair

Shan-Fu Shen, an international authority on aerodynamics and fluid dynamics, has been elected the John Edson Sweet Professor of Engineering, effective July 1.

He succeeds Dennis G. Shepherd, who retired June 30 after serving 30 years on the Cornell faculty.

The author of more than 50 scientific articles and reports in his field, Shen joined the Cornell faculty as a full professor in 1961. He teaches in the Sibley School of Mechanical and Aerospace Engineering in the College of Engineering at Cornell and in the University's aerospace graduate program.

Abrams' achievements were the subject of a rare Cornell symposium, titled "High Romantic Argument," here on April 21 and 22.

Abrams, who joined the Cornell faculty in 1945, is internationally known for his writing and scholarship and has been frequently honored for his work.

He is the author of "The Mirror and the Lamp: Romantic Theory and the Critical Tradition," which was hailed by the Modern Language Association in 1960 as "one of the five works published within the last 30 years that have contributed most to the understanding of literature." Published in 1953, the book was awarded the Christian Gauss Prize.

A graduate of Harvard University, from which he also holds master's and Ph.D. degrees, Abrams has received fellowships from the Rockefeller, Ford, and Guggenheim foundations and a Fulbright fellowship.



University Publications Win Twelve CASE Awards

Twelve awards for publications produced by five different units at the University have been won in the 1978 Council for Advancement and Support of Education Recognition Program. There were more than 3,000 entries in the national competition conducted by CASE.

Exceptional achievement awards were won by the Office of University Publications and the Graduate School of Business and public Administration.

Publications was a winner for "Landscape: New Views," a piece on the Herbert F. Johnson Museum of Art designed by Claude Schuyler. B&PA won for three 1977-78 issues of "Executive," a management magazine edited by Edward T. Lewis, associate dean for external affairs. The March 1978 issue won for visual design by David May and Mike Hider, free-lance designers.

The same issue also took citation awards for visual design and for its theme, "Creeping Social-

ism: Fact or Fiction?" Publications gained a citation award for "This is Cornell," an admissions brochure written by Dorothy Pasternack, managing editor. The College of Engineering Quarterly, edited by Gladys J. McConkey, also gained a citation award.

An excellence in writing citation was won by the Cornell Alumni News, edited by John Marcham. His May 1971 issue of the News was selected as one of the 10 best issues of alumni magazines published this decade.

Three Cornell Fund publications produced by Henry T. Gayley, director of communications for the Office of Development, received a special merit award. "Announcement, Summer 1978," designed by Sally Dutko and edited by Pasternack, also won a special merit award, as did a series of other general University pieces submitted by Publications.

B&PA Quarterly Ranks Number One in Survey

"Administrative Science Quarterly," published by the Graduate School of Business and Public Administration, was ranked number one in three out of four categories in a recent survey of graduate management school professors.

With 19 management journals rated, Cornell's Business School quarterly was ranked first in the areas of academic stature, contribution to knowledge, and research usefulness. The "Harvard Business Review" was rated number one for teaching usefulness.

Museum Catalog Receives Award

The catalog "Landscape: New Views," which describes a craft exhibition held last winter at the Herbert F. Johnson Museum of Art, has received the 1978 Publication Design Award, a national design award given by the Society of Publication Designers.

The catalog was designed by Claude Schuyler of Cornell University's Office of Publication.

The survey was done by two professors of business; Thomas H. Miller of Memphis State University and Robert Dodge of Northern Illinois University. According to Miller and Dodge, the study ranked those journals focusing chiefly on general management, organizational theory and behavior, and personnel administration.

Veterinarian Given Citation

Dr. George C. Poppensiek, the James Law Professor of Comparative Medicine and former dean of the New York State College of Veterinary Medicine, recently received a special citation from the Veterinary Medical Alumni Society of the University of Pennsylvania.

Dr. Poppensiek, who received the V.M.D. degree from the University of Pennsylvania in 1942, was recognized "for his contributions to veterinary medical teaching and research on a national and international scale."



Students Win Fulbright-Hays

Three Cornell University students, all New York State residents, are winners of Fulbright-Hays Full Grants for 1978-79.

Peter Cappelli of Clinton will study in England. Deborah Grossvogel of Ithaca will study in Italy and Janet Sternberg of Levittown will study in Brazil. Cappelli and Grossvogel earned bachelor's degrees from Cornell this year. Sternberg, a graduate student who expects to receive her master's degree from Cornell this year, is a Ph.D. candidate as well.

The purpose of the prestigious Fulbright-Hays Program is to give American students the opportunity to live and study in a foreign country and to increase mutual understanding between the people of the United States and other countries through the exchange of people, knowledge and skills.

Countries participating in the Fulbright-Hays Program have given evidence of their strong support through sharing costs of the program with the U.S. government. Some 24 countries contribute close to \$4 million annually.

The program provides round-

trip transportation, tuition, books, insurance and living costs in a foreign country for one academic year.

Cappelli, a graduate of the New York State School of Industrial and Labor Relations at Cornell, will leave in mid-September for Nuffield College of Oxford University. Nuffield College specializes in social science and political theory and Cappelli will do research in labor relations and related fields in Great Britain, he said.

Grossvogel graduated from Cornell's College of Arts and Sciences with a dual major in the history of art and an independent undergraduate major in comparative literature. After spending the summer in Italy, she will begin her Fulbright grant in October at the Istituto Centrale del Risauro in Rome studying fresco and painting conservation.

Sternberg is a 1975 graduate of Kirkland College. She majored in French and Spanish there and is now a Ph.D. candidate in linguistics at Cornell. She will leave for Rio de Janeiro, the city where she grew up, in September and begin collecting material via tape recordings of people in

normal speech patterns for her doctoral dissertation.

Cappelli was Cornell's nominee for a Rhodes Fellowship this year and a New York State finalist. In his sophomore year at Cornell he won the Irving M. Ives Award as the outstanding member of his class. For three years Cappelli was editor-in-chief of the "ILR Forum," a research quarterly published by the ILR School for people in that field.

He has held jobs during the summer and the academic year in Albany and Washington, D.C., as a researcher for state legislators and as a reporter-writer for the Bureau of National Affairs's "Daily Labor Report."

Grossvogel's academic interest is the interrelation of literature and art. She has studied French, Italian and English art and literature from the Middle Ages to the 18th century, concentrating on the 16th century.

Summers and during her sophomore year abroad, Grossvogel began working on book binding and book restoration and has continued her efforts in Ithaca. She has also been involved with restoring Venetian paintings of the 16th and 17th centuries and working on the problems of stone conservation in Venice.

"Language as people actually speak it is quite different from the way grammar books say it should be," according to Sternberg, who'll go to Brazil in September. "I have a hypothesis as to why this is true, and I hope to prove it via tapes. After getting the data, I'll do a linguistics analysis." Her goal is to contribute to the knowledge of language as spoken and to aid in teaching languages to others.

Sternberg has been teaching Portuguese at Cornell for three years as a teaching assistant in the Department of Modern Languages and Linguistics. She is eager to return to Rio de Janeiro after an absence of 12 years.

Teaching Award to Shuler

Michael L. Shuler, assistant professor of chemical engineering, has received the Excellence in Engineering Teaching Award for the 1977-78 academic year. The award, which is accompanied by a \$1,000 prize, is

sponsored by the Cornell Society of Engineers, an alumni group, and Tau Beta Pi, the student honorary society in engineering. The selection is on the basis of balloting by all upperclass engineering students.

Items for the Bulletin Board must be typed and arrive in the Chronicle Office by noon of the Monday before publication.

Disciplinary Letters Told It Like It Was

A cache of letters from the 1930s uncovered at the Hotel School this summer may reinforce suspicions among today's students that they are not getting the same kind of personal attention Cornell students of the past received.

All they have to do is read a few copies of these missives, "academic disciplinary letters"

written 40 and more years ago. They were brought to light by Edna S.M. Osburn, administration supervisor, while reorganizing files.

The writer of these letters, she says "obviously would have been hobbled by today's form letters for such purposes."

Here is a sampling of excerpts from the 1930 letters, written by the late O.W. Smith, secretary of

the State Colleges at Cornell.

"The faculty has reviewed your record again and it has about resigned itself to the fact that you will never achieve a scholarly status....You will recall that the Committee on Admissions was a bit apprehensive for your chances of success in the university and that there was some delay in your admission. Your record has proven that there were ample grounds for the doubt of the Committee....The faculty has about exhausted its repertoire of warnings as you have been placed on probation twice and it has apparently had little effect on you....The number of candidates admitted at mid-year is decreasing year by year, and your average of last term is another argument for the abolition of mid-year entrance....Your trend in scholarship is the reverse of what it should be—76, 71 and 63. If your father's income went down proportionately wouldn't you all be worried?...With the approach of warm spring weather when one's thoughts turn to anything else rather than study, you will have to exercise a lot of backbone if you are to maintain and improve your scholarship....You have been continued on probation for the time being, not that you did satisfactory work last term but simply because the faculty was softhearted....It is certainly your move and unfortunately it appears from the record you have made as though that move would be away from the University."

Cornell Is Family Tradition For 277 of Class of '82

Dozens of members of the Class of 1982 found out on Aug. 28 that they had one thing more in common than most of their fellow freshmen — they are children of Cornell alumni.

The first reception for freshmen with Cornell relatives attracted some 175 students and alumni to the ballroom of the Statler Inn. The gathering, arranged by Cornell's Office of Alumni Affairs, lasted from 9:30 to 10:30 a.m.

The Cornellians old and new heard greetings from Richard M. Ramin '51, vice president for public affairs, and Frank R. Clifford '50, director of alumni affairs. Donald G. Dickason '53, dean of admissions and financial aid, was among the other University officials who attended.

The attendance could have been much greater, according to Craig L. Esposito '74, assistant director of alumni affairs. He said

there are 277 children of alumni in the Class of '82 and close to that many more who have other relations who are Cornell alumni.

Improvement Award Given to Senior

Ruth Palmer of Rocky River, Ohio, has been chosen by the Department of Classics as the 1978 recipient of the Bess and Max Cohan Prize of \$100. The award is presented annually to the graduating senior whose work has shown the most consistent improvement and promise.

Upon completion of a six-week, on-site field archaeology course with the Alambra Excavation Project in Cyprus, Palmer is scheduled to return to Cornell as a Ph.D. degree candidate in classical archaeology.

University Theater Plans Something Different

The Cornell University Theater has announced a departure in its scheduling for the 1978-79 season. The four plays in the theater series and the two Drummond Studio faculty-directed plays will be given in repertory (alternating performances), at times playing the same night.

The four plays by the theater are "The House of Bernarda Alba" by Federico Garcia Lorca; "Keep Your Eye on Emily" by Georges Feydeau; "Hamlet" by William Shakespeare, and "Rosencrantz and Guildenstern Are Dead" by Tom Stoppard.

The theater is planning a three-week Hamlet Festival during the spring which includes Shakespeare's "Hamlet," Tom Stoppard's "Rosencrantz and Guildenstern..." a production of a new script on the world of Hamlet in Drummond Studio and special showings of the best-known and most acclaimed films of Shakespeare's Hamlet. The festival, co-sponsored by the Cornell Council for the Creative and Performing Arts and the Department of Theater Arts, is

scheduled so that the three stage productions can be seen on successive nights.

The fall production in Drummond Studio directed by a Faculty member, is "Vietnam Revisited." The spring production is the new Hamlet script.

A season ticket has four numbers, usable in any combination, which must be exchanged for reserved seat tickets for the performance of the ticket-holder's choice. It enables a person to attend the four plays at a discount. A three-day number exchange is held for subscribers prior to public sale of tickets.

A season ticket for students and senior citizens is \$10 for non-students it is \$14. Single admission tickets for students and senior citizens with I.D. is \$3; for non-students it is \$4.

Season tickets and performance tickets may be purchased at the Theater Office, lower floor of Willard Straight Hall, or by mail (10 Willard Straight Hall).

A brochure with details about the plays may be obtained by calling 256-5165.

Looks Like a Ringer at Fun in the Sun



Pentangle II Announces Season's Films

Pentangle II, now in its fourth year, is devoted to bringing the best in cinematic art to Cornell. The program, subsidized by the College of Arts and Sciences, is free and open to the public. Films will be shown at 7:30 p.m. Fridays in Uris Auditorium, unless otherwise noted.

The schedule for the fall follows:

Sept. 8: HEART OF GLASS (Herzog, 1976, W. Germany); short: PRECAUTIONS AGAINST FANATICS (Herzog, 1969, W. Germany).

Sept. 15: ZAZIE IN THE METRO (Malle, 1960, France); short: VIVE LE TOUR (Malle, 1962, France).

Sept. 22: LE PLAISIR (Ophuls, 1952, France); short: A PARABLE OF TWO (S. Ray, 1960s, India).

Sept. 29: THE WORD IS OUT (Mariposa Group, 1978, U.S.). No Short.

Oct. 6: PROGRAM OF EARLY ANIMATION BY EMILE COHL (Cohl, 1908-1913, France). No short. This program will be introduced by Don Crafton, Yale University, who recently presented this same program at the Museum of Modern Art.

Oct. 13: SOCRATES (Rossellini, 1970, Italy). No short.

Oct. 20: JOYLESS STREET (Pabst, 1925, Germany). No short.

Oct. 27: HARVEST (Pagnol, 1937, France). No short.

Nov. 3: 1900 (Bertolucci, 1977, Italy). No short. Co-sponsored by Cornell Cinema.

Nov. 10: TO BE OR NOT TO

BE (Lubitsch, 1942, U.S.); short: STUDENT DEMONSTRATIONS (Zilnik, 1970s, Yugoslavia).

Nov. 17: OS FUZIS (Guerra, 1963, Brazil); short: FUNERAL OF JAN PALACH (anon., 1969, Czechoslovakia).

Dec. 1: IPHEGENIA (Cacoyannis, 1977, Greece). No short.

Dec. 8: HOW TASTY WAS MY LITTLE FRENCHMAN (Santos, 1971, Brazil); short: MEMORIES OF THE CANGACO (Soares, 1971, Brazil).

Dec. 15: Statler Auditorium INTOLERANCE (Griffith, 1916, U.S.). No short. For our last screening of the semester, we move to Statler for a special event co-sponsored by Cornell Cinema. The film will be accompanied by a live rendition of the original music score.

Cornell Cinema to Show Ten Astaire/Rogers Movies

Cornell Cinema is presenting a series of 10 Fred Astaire and Ginger Rogers films at 8 p.m. Wednesdays in Uris Auditorium this fall.

The series, made available by the American Film Institute, is part of its Outreach program, which gives national audiences an opportunity to see classic films in superb condition and under ideal circumstances. In the same way that major museum exhibitions and stage shows are toured throughout the country, the Outreach program brings to local communities film series which they would otherwise not see.

The features range from the first screen teaming of Astaire and Rogers in 1933, through the Edward Everett Horton comedies, to their comeback final film in 1949.

Cornell Cinema has made the retrospective complete by augmenting the American Film

Institute series with the two unrepresented Astaire/Rogers films, "Roberta" and "The Barkleys of Broadway." The public, as well as the Cornell community, are warmly invited to take this opportunity of reliving "la belle, la perfectly swell, romance."

The first film "Flying Down to Rio," 1933, was shown last night. The rest of the schedule follows:

Sept. 13: "The Gay Divorcee," 1934;

Sept. 20: "Roberta," 1935;

Sept. 27: "Top Hat," 1935;

Oct. 4: "Follow the Fleet," 1937;

Oct. 11: "Swingtime," 1936;

Oct. 18: "Shall We Dance," 1937;

Oct. 25: "Carefree," 1938;

Nov. 1: "The Story of Vernon and Irene Castle," 1939;

Nov. 8: "The Barkleys of Broadway," 1949.

Juilliard Quartet Opens Statler Concert Series

Quartets by Beethoven will be performed by the Juilliard String Quartet at the first concert this season of the Statler series. The 8:15 p.m. performance will be on Sunday, Sept. 24, in the Alice Statler Auditorium. Tickets go on sale Monday, Sept. 11, at the Lincoln Hall Ticket Office, open 9 a.m. to 1 p.m.

The Juilliard String Quartet, known as the "first family of chamber music" by music critics, has to date played more than 3,000 sold-out concerts in all the major cities in North America and throughout the world. The group's members serve as Quartet-in-Residence both at the Juilliard School of Music and at the Library of Congress in Washington.

With the exception of the first violinist Robert Mann, the members of the quartet, founded in 1946, have changed through the years. The other players include Earl Carlyss, second violinist; violist Samuel Rhodes and cellist Joel Krosnick. The players excel in a wide variety of styles—classical, romantic and contemporary—and the quartet is espe-

cially noted for its championship of American composers.

The program for the Statler concert includes Beethoven's Quartet in F Major, Op. 18, No. 1; Quartet in E flat Major, Op. 127 (1824) and Quartet in C Major, Op. 59, No. 3 (1807).



The Juilliard String Quartet

Violin-Piano Concert to Be at Barnes

Violinist Lynn Chang and pianist Richard Kogan will appear in concert at Barnes Hall at 8:15 p.m. Saturday, Sept. 9. The performance, sponsored by the Department of Music, is open to the public, free of charge.

Chang is newly appointed visiting violin instructor at Cornell, coming from Harvard University, where for the past three years he was an artist-in-residence and teaching assistant. A native of Boston, he began his musical studies with Alfred Krips and

made his first major solo appearance at age 10 with Arthur Fiedler and the Boston Pops Orchestra.

He continued his studies with Ivan Galamian at the Juilliard School and in 1973 was awarded unanimously first prize in the Buffalo Philharmonic Young Artist Competition. In 1974, he became the third American to win the International Paganini Competition in Genoa, Italy.

A 1975 Harvard graduate, he

received several prizes there for performance and contribution to the arts.

Richard Kogan, who was graduated from Harvard in 1977, studied piano with Nadia Reisenberg in New York City and with Nadia Boulanger in Fontainebleau, France. He was a first prize winner of the Portland Symphony National Piano Competition and in 1972 won the Chopin Competition of the Kosciuszko Foundation.

In addition to continuing an active concert career while a student, he compiled the highest academic average in his Harvard class and received several scholarships.

The program by Chang and Kogan will consist of Sonata No. 3 in G minor by Debussy, Duo for Violin and Piano (1974) by Leon Kirchner, Sonata No. 3 in D minor, Opus 118 by Brahms and Sonata No. 9 in A minor, Opus 47 ("Kreutzer") by Beethoven.

Johnson Museum to Show Faculty Art; Sculptures

Fifteen present and emeritus members of the Department of Art Faculty will have their work on display at the Herbert F. Johnson Museum of Art Sept. 13 to Oct. 15.

The exhibition has been organized jointly by the museum and the Department of Art as a visual summary of the faculty's current work.

A special preview reception for members of the museum will be held on Sept. 12.

Also on display will be a new minimal construction by New York Sculptor Peter Berg from Sept. 12 to Oct. 15.

Each of Berg's gallery installations juxtaposes a large geometric sculptural element with a corresponding void in a wall. Each is created especially for a particular location. Among the places where he has built similar structures are Sarah Law-

rence College, Wesleyan University and Dag Hammarskjöld Plaza.

"Most works of art are objects which can be viewed and understood from a single vantage point," said Museum Director Thomas Leavitt. "Berg's pieces are part object and part environment. One has to walk around and through the structures to experience them completely. The form is discovered gradually as one mentally relates the large solid form with the hole in the wall."

The exhibition is funded in part by a grant from the Creative Artists Public Service Program, an agency of New York State.

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

Copy submitted to the Chronicle for publication must be typed, double space, and submitted to the Chronicle Office, 110 Day Hall, no later than Monday noon preceding Thursday publication.

First Athletes Selected for CU Hall of Fame

A veritable who's who of Cornell athletics make up the charter group of 61 inductees in the University's Athletic Hall of Fame, which was announced in August by Athletic Director Dick Schultz.

Among the famous names in the initial list of Hall of Famers are recent headliners Ed Marinaro, Ken Dryden, and Mike French and long time Big Red standouts such as Brud Holland, Bob Kane, George Pfann, Jack Moakley, Dick Savitt, Charlie Moore and Charles Courtney.

A total of 51 athletes are included in the charter group along with three coaches, two administrators and five major donors. They were selected by a nine-person committee which had over 2,000 nominees to consider. The nominees were submitted by alumni, friends of the University, coaches and administrators.

The inductees will be honored Friday evening, Sept. 22, at the first Hall of Fame Awards Dinner scheduled for the Statler Inn. The following day they will help dedicate the Robison Athletic Hall of Fame Room before the Cornell-Princeton football game.

"This has been a very difficult job," said Schultz who directed the selection committee. "I never truly understood the great tradition of Cornell's athletic history until I started to look over the nominees. We had decided to limit the initial group of inductees to 50-60, but we could easily have had 200. Cornell can be proud of its athletic history and the athletes who wrote it. I don't think any University in America can boast of a finer athletic heritage."

"The Hall of Fame is something Cornell has needed," Schultz added. "The great athletes who have represented the University deserve to be honored in a permanent way, and the Hall of Fame is the perfect vehicle. We are deeply indebted to Ellis Robison for his generous gift which enabled us to construct the Hall of Fame Room that overlook Schoellkopf Field. Truly a perfect setting for the hall."

The complete list of inductees:

PETER ALLSOPP, '49: Rowed in the No. 6 position and was commodore of the 1949 Cornell crew which finished third in the IRA's ... Rowed No. 4 on the 1948 crew which placed fifth in the IRA's while going 3-1 on the season. Peter was selected to the mythical All-American crew through an unofficial poll conducted by coaches. (Deceased)

JOHN ANDERSON, '29: Placed fifth in discus in 1928 Olympics and came back in 1932 Olympic Games to win the event ... The 1929 IC4A indoor shot put champ. he was also a letterman in football. (Currently living in Delevan, New York.)

CHARLES BARRETT, '11: A two-time All-American quarterback, he was captain of Cornell's 1915 National Championship Team ... Thirty years after his death (1924 from WW1 wounds), he was still being named to Grantland Rice's All-Time All-Star list ... A true triple threat, superb runner, passer, and kicker who was elected to the National Football Foundation Hall of Fame in 1958. (Deceased)

FRANK BETTUCCI, '53: A superb wrestler in the 147-pound weight class, he won three Eastern Intercollegiate titles and was named the Most Valuable Performer at the Easterns in 1953 ... He won the 147-pound title at the 1953 NCAA Championships and was named the Tourney's MVP ... Frank had a 31-1 dual meet career record at Cornell. He made the 1956 Olympic team but a knee injury prevented competition ... A 1960 AAU 147.5 champion, he also coached Cornell's freshman wrestlers from 1963 through 1967 before joining the State Department. (Currently living in Washington, D.C.)

RODNEY BLISS Jr., '34: Captained the Cornell Golf team in 1932 and 1933 ... In 1933 he reached the finals of both the National Intercollegiate and Western Amateur Championships. (Currently living

in Des Moines, Iowa)

TOMMY BOAK, '14: Three-time Eastern Intercollegiate Wrestling Champion. He had one title in the 115-pound class and two at 125 ... A captain his senior year, leading the team to a 6-1 dual record and Intercollegiate Championship ... He was undefeated in Cornell wrestling, including the Intercollegiate. (Deceased)

GEORGE BOIZELLE, '70: Versatile swimmer who won both the 200 and 400-individual Medley at the 1968 Eastern Seaboard Championships and the 200-Fly in the 1970 Easterns ... He was an NCAA All-American in the 400-I.M. in 1968 ... Holder of every Cornell record at one time, except the 50 and 100-Freestyle and 100 and 200-Backstroke. (Currently living in Clarksburg, Maryland)

HILLARY CHOLLET, '49: A standout basketball and football player, he was the basketball team's leading scorer in 1947, a starter for three years and a great team leader ... Chollet was a standout safety in football and the team's best kick returner from 1946-49 ... He missed the 1947 season with an injury but was given permission to play in 1949 ... He was a solid rusher, receiver and, when called upon, passer ... He scored 18 touchdowns in three seasons of play. (Currently living in West Covina, California)

LES CLUTE, '13: Two-time captain of the Varsity Baseball team ... A standout first baseman who hit well over .300 for three straight years. (Deceased)

JOHN COLLYER, '17: An outstanding stroke under legendary crew coach Charles Courtney ... He stroked the 1915 crew that won the IRA. He also stroked the 1914 freshman crew which won the IRA ... A long-time supporter of the Cornell athletic program, he donated funds for a boathouse in 1957 which is one of the finest facilities in the country. (Currently living in Vero Beach, Florida)

DR. CLARENCE C. "BUDDY" COMBS, '39: Led the 1937 Cornell Polo team to its first Intercollegiate Championship ... After graduation, he continued to play many national and international matches, achieving national ratings of eight goals in outdoor and 10 goals in indoor polo, which is the highest honor rating given a player by the U.S. Polo Association. (Currently living in Eatontown, New Jersey)

CHARLES COURTNEY: Coached crew at Cornell from 1889-1920, and produced 14 intercollegiate champions between 1896 and 1915. The pioneer of crew coaching techniques, he was a great leader and turned Cornell into the capital of the collegiate rowing world. (Deceased)

BILL DeGRAAF, '56: The starting quarterback for the varsity football team from 1953-55, he led the team to the Ivy title in 1953 and co-championship in 1954. In 1955, he was a First Team All-Ivy choice as he led the Big Red in scoring ... Lefty James called him "the greatest quarterback I have ever coached" ... A baseball standout, who played seven positions, DeGraaf was a pitcher and clean-up hitter. He was named as the baseball team's MVP in 1955 and 1956 ... Bill had a three year batting average of .294, a W-L record of 16-8, and a career ERA of 2.33. (Currently living in New Hartford, New York)

KEN DRYDEN, '69: All-American hockey goalie in 1967-68-69 ... He holds most of the Cornell goaltending records including career saves (1,987); season and career shutouts (6 and 13) and goals/against average (1.46 season; 1.59 career) ... Currently one of the NHL's top goaltenders, playing for the World Champion Montreal Canadiens. (Currently living in Senneville, Quebec, CANADA)

JOHN FERRARO, '34: Captain of the 1933 basketball team and a football Honorable Mention All-American (1931-1933) as a halfback ... He captained the basketball team his senior year and led Ivy League in scoring. He was also selected as an Eastern Intercollegiate All-Star ... John is a member of the Canadian Hall of Fame. (Currently living in Westfield, New Jersey)

FRANK FOSS, '17: IC4A pole vault champ in 1915 (tie) and 1916 ... Olympic gold medalist in pole vault in 1920 with World record jump of 4.09 meters (or 13.29 feet). (Currently living in Hinsdale, Illinois)

MIKE FRENCH, '76: All-Time NCAA Lacrosse scoring leader ... A First-Team All-American in 1975 and 1976 ... Holds several Cornell, Ivy League and NCAA scoring records ... In 1976, he was selected as the nation's outstanding attackman and Outstanding Player in Division I Lacrosse ... Mike scored 296 points in three varsity seasons with 191 goals and 105 assists. (Currently living in Ithaca, New York)

MEREDITH GOURDINE, '52: Versatile trackman who competed in the long jump, sprint hurdles and 440 ... 1952 Olympic runner-up in long jump and current owner of Cornell outdoor long

jump record (25-9 3/4) ... Won three IC4A titles and was the NCAA low hurdles champ in 1951. (Currently living in East Orange, New Jersey)

PHIL GRAVINK, '57: Stroke on three IRA Championship crews (1955, 1956, 1957); the 1957 crew went 5-0, and won the Grand Challenge Cup at the Henley Regatta in England. (Currently living in Lincoln, New Hampshire)

AL HALL, '56: Track weightman who specialized in the hammer throw ... He competed for four consecutive Olympic teams from 1956-1968 ... He tied for first place in the hammer at the 1956 IC4A's ... Was also Heptagonal champ in the 35-pound indoor weight throw and in the outdoor hammer throw ... He is the present owner of the Cornell hammer throw record (204-5 1/2) set in 1956. (Currently living in Charlton City, Massachusetts)

JEROME "BRUD" HOLLAND, '39: One of the first backs to play Ivy League football ... A 1937 and 1938 All-American who was both an offensive and defensive standout ... Elected to the National Football Foundation Hall of Fame (1965) ... An honor student at Cornell and appointed as U.S. ambassador to Sweden in 1970. (Currently living in New York, New York)

VICTOR HUERTA, '73: Cornell Soccer's all-time leader in career points (48) and career goals (40) and he accomplished that in just two seasons ... A two-time All-Ivy forward. (Currently living in Guayaquil, Ecuador in South America)

JOHN PAUL JONES, '13: First American ever to hold a World record ... In 1911, he set mile record in 4:15.4 and bettered that by one full second as Cornell captain in his senior year (4:14.4) ... He won three IC4A cross country titles ... A two-time All-American, he finished fourth in the 1500 meters at the 1912 Olympics. (Deceased)

STANLEY "KIP" JORDAN, '74: A two-time soccer All-American back and All-Ivy pick in 1972 and 1973. Superb performer who led Cornell to 32-12-2 record from 1971-73. (Currently living in Fairport, New York)

BOB KANE, '34: Director of Athletics at Cornell for 32 years (1944-76) ... Prominent in administration for U.S. Olympic team, he was elected as U.S. Olympic Committee President in 1977 after many years of service ... The only person ever elected as president of the Eastern College Athletic Association on two occasions (1950 and 1959) ... IC4A president in 1944, 1948, and 1952 ... Outstanding trackman who held Cornell 200-meter dash record (21.2) until 1977 ... The recipient of the James Lynch Memorial Award by ECAC in 1977 for his contributions to college athletics ... He began Cornell career under Lynch in 1939. (Currently living in Ithaca, New York)

EDGAR KAW, '23: One of Cornell's best football halfbacks who won All-American honors in 1921 and 1922 and led the nation in touchdowns in 1921 with 15 ... The team's record in Kaw's three varsity years was 21-2-1, including undefeated seasons in 1921 and 1922. A great punter who also lettered three years in baseball, he was elected to the National Football Foundation Hall of Fame in 1956. (Deceased)

DAN LODBOA, '70: All-American hockey player and MVP and tri-captain of the 1970 NCAA Champions who went 29-0 ... One of the top point producers in Cornell hockey history as a defenseman with 52 goals and 82 assists for 134 points. (Currently living in Thorold, Ontario, CANADA)

JAMES LYNNAH, '02: Played football (1899-1901) under John Heisman at Clemson College ... He transferred to Cornell and was captain in 1904 under "Pop" Warner ... Athletic Director at Cornell in 1935-44 when he helped save the athletic program ... He worked for a stronger Ivy League and for expansion of Cornell athletic facilities, including the ice hockey rink which was later named for him ... Chairman of the NCAA enforcement panel in 1948, which investigated alleged recruiting violations. (Deceased)

ED MARINARO, '72: A three-time All-American and the first collegian to surpass the 4000-yard rushing mark in three seasons (4715 yards) ... He set 17 NCAA records and holds 12 Ivy League records ... In 1971, he won the NCAA scoring and all-purpose running crowns and led Cornell to the co-Ivy League title ... He won every major football honor in 1971 except the Heisman Trophy, where he finished a close second. (Currently living in New Milford, New Jersey)

BILL McKEEVER, '39: Named to Hearst and Grantland Rice's football teams as an All-American tackle in 1938 when Cornell went 5-1-1, and was an Honorable Mention pick in 1937 ... He was also captain of the 1939 track team and 1939 Indoor IC4A Track Champ in the 25 pound weight throw ... He often led blocking for two-time All-American,

Jerome "Brud" Holland. (Currently living in Bryn Mawr, Pennsylvania)

JOHN McKEOWN, '73: Had three fine seasons with the lightweight football team, and led the Eastern League in scoring in 1971 ... Moved to the Varsity in late '71 and for all of '72 and earned the reputation as a clutch performer with a number of big plays, (blocked punts, last minute TD receptions, kickoff returns) which helped to win several games ... In track, he was an All-Ivy pick in both 1972 and 1973, winning the Heps 600 in 1972 and finishing second in 1973, and anchoring back-to-back Heps mile relay Championships ... He captained the track team in 1973. (Currently living in Ithaca, New York)

TOM McLEOD, '70: Holds Cornell baseball records for most pitching appearances in a season (17) and shares record of most innings pitched in a game (12) ... Captain of the 1970 team and named to the All-Eastern Intercollegiate Baseball League's First Team that year ... Tom posted a 9-7 career record. Lifetime ERA of 1.81 including a 1.61 in his senior year. (Currently living in Tewksbury, Massachusetts)

ERIE J. "JIMMY" MILLER, '46: Captain and Eastern Champion at 145 as a senior on the Cornell Varsity Wrestling Team ... An AAU National champ in 1946 and 1947 and third in the 1948 Olympic final try-outs. He coached 26 years at Cornell, posting an overall record of 199-129-7 with 11 Ivy Titles ... His wrestlers captured four NCAA individual titles and 18 EIWA crowns. (Currently living in Huntington, New York)

JACK MOAKLEY: Coached track and cross-country for 50 years at Cornell ... His team championships include nine outdoor IC4A and nine IC4A cross country titles and two indoor IC4A crowns ... Head coach of the 1920 Olympic team, Moakley produced 25 Olympians, five of whom were Gold medal winners, and 83 IC4A titlists (59 outdoor, 9 cross-country, 15 indoor) ... noted for turning "no name" teams into championship contenders by getting 110 per cent from each man ... Under his regime, Cornell was considered one of the track powers, not only of the East, but of the entire Nation. (Deceased)

CHARLES MOORE, '52: One of Cornell's greatest trackmen ... Never beaten in the 400-meter hurdles, including the Olympics where he won a Gold medal in 1952. He was also a member of the 1600-meter Olympic relay team, which finished second in 1952 ... National AAU, NCAA, IC4A and Heps champ in 440 and 600. (Currently living in West Hartford, Connecticut)

GREG MORRIS, '68: A basketball team scoring leader in 1967 and 1968 (averaging 20.0 and 16.2) ... Third on Cornell's career scoring list ... The 1967 Ivy scoring leader, and a firstteam All-Ivy pick ... He captained the Cornell team his final year. (Currently living in Chicago, Illinois)

BILL NEWMAN, '07: Rowed bow on the 1906 IRA championship crew ... He was also an All-American football center in 1906 and helped lead Cornell to a record of 21-8-2 during his three varsity seasons. (Deceased)

FLOYD "FLOOD" NEWMAN, '12: A major supporter of Cornell's athletic program for a number of years ... His funds built Helen Newman Hall - the home of women's athletics at Cornell considered one of the finest facilities of its kind in the country ... "Flood" actively participated in a wide range of athletics as an undergraduate. (Currently living in Cleveland, Ohio)

MICK NOYES, '06: Former Cornell Trustee and longtime benefactor of Cornell athletics. A strong supporter of the Ivy League athletic philosophy and a friend to all Big Red teams. (Deceased)

JOHN O'HEARN, '15: Football All-American end in 1914 and captain of the 1914 Cornell team which was 8-2 ... He was elected to the National Football Foundation Hall of Fame in 1971. (Currently living in Brookline, Massachusetts)

GEORGE PFANN, '24: 1923 football All-American quarterback ... He was never beaten or tied in three years as the starting Cornell quarterback ... Under Gil Dobie, the Big Red scored 1,022 points over a three-year span with Pfann at the helm opponents managed only 81 during same period ... He also lettered in lacrosse and basketball as a senior ... Pfann, who captained the 1923 team, was elected to the National Football Foundation Hall of Fame in 1957. (Currently living in Ithaca, New York)

IRV ROBERSON, '58: Versatile athlete, averaged 4.7 yards per carry as a football halfback over three years ... Won four Heptagonal track titles (3 outdoors, 1 indoor) in the 100, long jump, and low hurdles, and was second in the 1960 Olympic long jump ... Also was a basketball standout as a sophomore, ranking second in scoring behind Hall of Famer Chuck Rolles, with 357 points in 24 games for a 14.9 average. He concentrated on track in his final two seasons.

(Currently living in Philadelphia, Pa.)

ELLIS ROBISON, '18: Has been a major financial donor to Cornell over the years and especially to Cornell athletics ... He contributed the funds for the construction of the Cornell Hall of Fame building which was the latest in a long line of supportive efforts for the athletic program. (Currently living in Troy, N.Y.)

CHUCK ROLLES, '56: A 5-6 basketball guard, he holds the career scoring record at Cornell of 1253 points ... A two-time All-Ivy selection (1955, 1956), he averaged 23.0 points as a senior, which is the highest seasonal scoring average ever at Cornell ... He held season scoring record for 22 years (broken by Mike Davis in 1978). A two-time "Small American" (All-Americans under 5-10). (Currently living in Honolulu, Hawaii)

RICHARD "DICK" SAVITT, '50: Led Big Red to Eastern Intercollegiate Tennis titles in 1948 and 1949 ... Wimbledon champ in 1950 and Australian champ in 1951. (Currently living in New York, N.Y.)

HENRY SCHOELLKOPF, '02: A standout football player for the 1900 and 1901 Cornell squads, and a member of the Schoellkopf family which has supported Cornell athletics since the turn of the century. (Deceased)

FORBES "RED" SHAW, '27: An excellent first baseman who led the Big Red in hitting for three years, and captained the team as a senior ... The Pittsburgh Pirates offered him a major league contract right after graduation but he turned it down to enter law school. (Deceased)

BOB SHAW, '72: Lacrosse midfielder who was first team All-American in 1972 ... Bob is ninth on Cornell's All-Time scoring list with 86 goals and 37 assists for 123 points. A threetime All-Ivy selection. (Currently living in Everett, Washington)

MURRAY SHELTON, '16: All-American end in football who teamed with Charles Barrett (QB) as a highly successful passing combination on the 1915 National Championship Cornell team that went 9-0 ... He was elected to the National Football Foundation Hall of Fame in 1973. (Currently living in Black Mountain, North Carolina)

WALT SICKLES, '41: Rated by many as the finest pitcher in Cornell history ... Walt posted a 17-3 career record and only a war-time injury prevented him from a pro baseball career ... He played a large role for the 1940 Ivy League Championship team at Cornell, and was a pitching ace of the 1941 team that finished 2nd in EIBL. (Deceased)

WALKER SMITH, '20: Track hurdle specialist who placed fifth in the 1920 Olympics - high hurdles ... Won the 1919 IC4A high and low hurdles, and was the AAU 70-yard high hurdles indoor champ in 1919 and 1920. (Currently living in Newport Beach, Calif.)

BILL STOWE, '62: Stroked the 1961 and 1962 crews to an 8-1 record ... A member of the U.S. Vesper Boat Club eight-man crew that won a gold medal at the 1964 Olympics. He coached at Columbia before moving to the Coast Guard Academy, turning that school into one of the best small college clubs in the nation. (Currently living in Gates Ferry, Connecticut)

RAOUL SUDRE, '60: Runner-up in foil for National Collegiate title in 1960. (won Illinois Memorial Award as most accomplished performer in the National Tournament) and was named the NCAA's "Fencer of the Year" in 1960 ... He was a finalist in the World Master's Fencing Championship in both foil and sabre in 1966, a gold medal winner in both foil and sabre in the 1970 World Masters Tournament and a finalist in the 1974 World Championships. (Currently living in Ithaca, New York)

FRANK SUNDSTROM, '24: A 1923 All-American football tackle who never played in a losing game in four years at Cornell. His 1920 freshman team was undefeated and the 1921-22-23 teams were all 8-0 ... Frank was recently inducted into the National Football Foundation Hall of Fame. (Currently living in Chatham, New Jersey)

WALTER TEAGLE, '00: At age 35 became youngest president of Standard Oil Company (1917) ... A long-time supporter of Cornell's athletic program, he donated a large multi-purpose sports building in 1949 which bears his name ... A former Cornell trustee (1924-1954) and trustee emeritus (1955-1962). (Deceased)

PETE TUFFORD, '69: All-American hockey forward in 1969 and two-time All-Ivy selection ... One of Cornell's top point scorers with 68 goals and 91 assists for 160 points ... Pete was a key performer for the 1967 NCAA Champions. (Currently living in Ithaca, New York)

BART VIVIANO, '33: Captain of fullback of 1932 football team ... Named to Associated Press second team All Stars in 1932 and the New York Sun first team the same year ... A superb blocker

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Trustees July Meeting Summary Released

SUMMARY JOURNAL, for the meeting of the Executive Committee of the Board of Trustees of Cornell University held July 18, 1978, in New York City. This journal does not include confidential items which came before the meeting.

1. The Executive Committee approved minutes of its meetings of May 9 and May 27, 1978.

2. Neal R. Stamp, secretary of the board, reported with regret the death of Trustee Emeritus Horace C. Flanigan on June 15, 1978, in Cooperstown, N.Y.

3. President Frank Rhodes reported to the committee on several current matters on campus.

4. A report of the Committee on the Health Sciences was given by the committee's chairman, Trustee Stephen H. Weiss.

5. Senior Vice President William G. Herbster reported on a proposed change in the Workmen's Compensation program to provide coverage for catastrophic risks, which was approved by the committee.

6. Counsel Stamp reported on errors and omissions insurance for trustees, officers and employees of the University.

7. Samuel A. Lawrence, vice president for financial and planning services, reported on progress toward closing the

University's books for 1977-78.

8. The committee heard reports on the status of several special funds and bequests.

9. The committee approved an increase in the project budget for rehabilitation of Boiler No. 2 at the central heating plant from \$310,000 (approved at the May 27 meeting of the committee) to \$530,000. A subsequent closer inspection has revealed that a number of parts that are in marginal condition will require replacement.

10. Trustee Earl R. Flansburgh gave a report as chairman of the Buildings and Properties Committee.

11. Trustees took several personnel actions.

12. The committee approved a recommendation that application be made for a "restaurant wine" license for the Noyes Lodge Pancake House.

13. President Rhodes reported that a contract amendment was signed in June with the National Science Foundation providing an additional \$1 million for the continued development of the Cornell Electron-Positron Colliding Beam Facility at the Wilson Synchrotron Laboratory. The supplemental money is for radio frequency power equipment and other additions.

Update: Ku Named Professor

In announcing the promotion of Walter H. Ku to professor of electrical engineering in its June 8 edition, the Chronicle unwittingly dropped his formal education. The story stated he had received a bachelor of science degree in electrical engineering, with honors, from the University of Pennsylvania, but neglected to mention that he went on to earn his master of science and doctor of philosophy degrees in electrical engineering from the Polytechnic Institute of Brooklyn (now Polytechnic Institute of New York) in 1958 and 1963 respectively.

At Cornell since 1969, he was a visiting associate professor in 1973-74 at the University of California, Berkeley. While on sabbatical leave in 1977 he was the first occupant of the Naval Electronic Systems Command (NAVELEX) Research Chair Professorship at the Naval Postgraduate School, Monterey, Calif.

He has been the principal or co-principal investigator of a number of contracts and grants from National Science Foundation, Air Force, and Defense Advanced Research Projects Agency in the areas of microwave solid-state devices and circuits and advanced signal processing device and system concepts.

Hall of Fame to Open

Continued from Page 16

and defensive player, in addition to his running skills, Bart led Cornell to an 18-5-1 record in three years. (Currently living in Sea Bright, New Jersey)

MARGARET WALBRIDGE, '74: A three-time fencing All-American, she finished second in the National Collegiate Championships in 1972 and first in 1974. She captained the 1974 squad and also played varsity basketball. (Currently living in New York, New York)

WILLIAM J. WARNER, '03: A two-time football All-American guard (1901-02) and captain of the team in his junior and senior years. Cornell had a 29-6 record during his three years of

varsity play. He was elected to the National Football Foundation Hall of Fame in 1971. The younger brother of Glen S. "Pop" Warner, who coached the 1903 Cornell football team. (Deceased)

MARK WEBSTER, '70: First-Team All-American in 1969 and 1970 as a lacrosse attackman. Fifth on the All-Time Cornell scoring list with 128 goals and 23 assists for 151 points. A three-time All-Ivy first team selection. Twice voted team MVP (1969 and 1970). (Currently living in Old Forge, New York)

CLINT WYCKOFF, 1896: Football All-American quarterback in 1895. He was also captain of the 1895 team. Elected to the National Football Foundation Hall of Fame in 1971. (Deceased)

Coach Named Assistant Head Of Athletics

Nelson Bobb, an assistant football coach since 1974, has been named assistant athletic director, according to Dick Schultz, director of athletics.

Bobb will continue in his duties as offensive line coach and recruiting coordinator, and will assume his additional responsibilities in November. He will be in charge of the alumni annual giving program for athletics, and will work in continuing the development of the recruiting program by alumni. Bobb will also be the sponsor for the Red Key Honor Society for outstanding student-athletes.

All items for publication in Cornell Chronicle must be submitted to the Chronicle Office, 110 Day Hall, by noon on the Monday preceding publication. Only typewritten information will be accepted.



Fun in the Sun
... As easy as rolling off a log.

Phys Ed Course Open to Staff

A new course in physical education aimed at weight reduction, nutrition and smoke cessation will be offered this fall at Cornell, it was announced today by Director of Physical Education Alan Gantert.

The nutrition and weight reduction course — Gravity's Rainbow — is designed to teach the principles of basic nutrition, exercise and weight control essential to maintaining a healthy lifestyle. The primary goal of the program is to teach the mechanics of balancing the energy intake and output. It will be taught by nutritionist Helen MacDonald, who has developed an effective approach to weight control.

GASPI (get away from smoking permanently) is aimed at helping smokers to drop the habit. "It is essential to reach students at college age because if they aren't smoking by age 25 they will probably never smoke at all," asserts John Tell who will direct the course. "We want to show that certain habit patterns in your everyday behavior can cause smoking. Our goal is to have everyone in the course stop smoking by Nov. 3."

The Gravity's Rainbow and GASPI programs will be combined with progressive aerobic conditioning under the direction of Dr. Andrew Larkin of the Gannett Clinic. He described the classroommarathon program as a "step into the new age of physical education, teaching values that last beyond the Cornell experience."

Although the new courses will be a part of the University's physical education program, they

will also be available to faculty and staff. The fee is \$30 per person. Persons interested should contact the Office of Physical Education in Teagle Hall at 256-4286.

In conjunction with the new program, a series of lectures will focus on health, smoking, nutrition and running. The first will be at 4:15 p.m. Sept. 15 in Barton Hall and is titled "Aerobics and Health." It will feature Jim Hartshorne, founder of the Finger Lakes Runners Club, who will discuss running and show a film

entitled "Marathon," which deals with the competition for spots on the 1976 United States Olympic Marathon team.

Other speakers in the Marathon Series will include Dr. Paul Buck on "Food and Energy," Ms. Barbara Booker on "Women and Running," Dr. H. Roy Coats on "Smoking Scare Tactics," and Ms. MacDonald on "Reality Sandwiches," an overview of the nutritional facts of life. All lectures are open to the Cornell community.

Students' Goals Matched To Community's Needs

The nature of volunteer service has changed. In Ithaca, as elsewhere, social agencies have come to recognize that, in order to attract unpaid help, jobs must be challenging, responsible and non-routine.

Volunteers seek direct involvement with interesting causes or opportunities to learn new skills which may eventually open up exciting employment possibilities. This is particularly true for college students who see themselves facing the Catch 22 of the job market: you can't get a job without experience, but you can't get experience without a job.

Cornell-Ithaca Volunteers in Training and Service (CIVITAS) offers an individualized placement service which involves talking with each potential volunteer and matching his/her interests, talents and desire with current community needs.

We offer opportunities to work in the ongoing programs outlined in our listing book; we keep up-to-date on weekly community openings, and we are willing to search for something specific you may have in mind.

Come in and see us between 10 a.m. and 2 p.m. Monday through Friday, at 125 Anabel Taylor Hall.

TWO ORIENTATION MEETINGS

WORKING IN THE SCHOOLS: Orientation meeting, 3:30 p.m. Monday Sept. 18, Founders Room, Anabel Taylor Hall. Opportunities for tutoring individual children or helping with projects. Grades K-12, in downtown or rural schools, traditional or alternative programs.

WORKING IN HEALTH-RELATED AGENCIES AND PROGRAMS: Orientation meetings: Monday and Tuesday, Sept. 11 and 12 at 12:05 p.m. Wednesday and Thursday, Sept. 13 and 14, at 1:10 p.m. Founders Room, Anabel Taylor Hall. No you cannot assist in the Operating Room at the Tompkins County Hospital, but there are many other kinds of things you can do. Pre-meets, please note.

THIS WEEK'S VOLUNTEER NEEDS: A SAMPLING

DOWNTOWN DROP-IN CENTER: Flexible, enthusiastic volunteers needed to care for children, 6 months to 5 years, Monday through Friday, between 9 a.m. and 1:30 p.m. No special skills needed, but simple talent in music, story-telling, arts and crafts useful. Time commitment about two hours a week.

SUPPORT PROGRAM FOR PRISONERS: Responsible and empathetic volunteers sought to work with Tompkins County Jail inmates and ex-offenders returning home from state prison facilities. Staff and volunteers work together as liaison and resource persons and as counselors to provide financial, housing, transportation and employment assistance. Thirty-hour training program from Sept. 20 to Oct. 8 with pre-training interview. Time commitment of at least 10 hours a month plus monthly feedback sessions for one year.

JUVENILE DETENTION FACILITY: Evening programs, Monday through Thursday, need leaders for woodworking, photography, tutoring and discussion groups. Thirty residents, 15 to 16 years old, but small classes. Twenty-minute drive out of Ithaca. Interviewing starts week of Sept. 18.

SHORT-TERM DISPLAY WORK TO ADVERTISE LOCAL DAY-CARE ACTIVITIES: Volunteer needed to organize and plan exhibit in local office. Interesting job for design or communication arts student. At volunteer's convenience, Monday through Friday, 9 to 5 p.m.

ONE TO ONE PROGRAM FOR YOUNG CHILDREN: Volunteers needed to work with 3 to 7 year olds on one-to-one basis for sharing and learning. Well-equipped playroom available; outdoor activities or mini field trips also possible. Regular training workshops and feedback sessions provide support and forum for discussion. Time commitment: a couple of hours a week, ideally for one year.

Deadline List to Be Updated Monthly

Academic Funding has been renamed the Office of Sponsored Programs - same location, 123 Day Hall - same phone number, 256-5014 - same people. Below are listed a number of grant application deadlines which are imminent. More information may be obtained by calling the Office of Sponsored Programs. This list will be updated monthly.

SPONSOR	PROGRAM	DEADLINE
American Academy in Rome	Rome Prize Fellowships	November 15
American College Theater Festival	National Playwriting Award - Theater Arts Departments, Student Playwriting	October 27
American Council of Learned Societies	Study Fellowships	November 15
	Research Fellowships	November 1
	Travel Grant for Humanities	November 1
American Institute of Indian Studies	Study in India	Early October
American Research Institute in Turkey	Fellowships for Study in Turkey	November 15
American Scandinavian Foundation	Fellowships for Study in Denmark	November 1
Center for Hellenic Studies	Postdoctoral Fellowships	October 31
Council for European Studies	Research, Planning Group Awards	October 1
Danforth Foundation	Graduate Fellowship Program	Nomination, November 17
William H. Donner Foundation	Program Development Grants - Administration in the Arts, The American Indian	November 1
The Fund for Theological Education	Fellowships	November 1
Guggenheim Foundation	Fellowships, one year	October 1
George and Eliza Gardner Howard Foundation	Fellowships, Nominations by Institutions - (2)	November 1
Institute of International Education	Fulbright-Hays to advanced graduate students	October 31
International Research and Exchange Board	Program in Eastern Europe	November 1
	Program with USSR	November 1
National Endowment for the Arts	Artists' Fellowships in Visual Arts	October 16
	General Programs	October 20
	Dance, Media Arts and Dance	October 20
	Crafts Exhibition Aid	October 29
	Crafts Workshops	October 29
	Expansion Arts	November 15
	Instruction and Training	November 15
	Literature Program	November 15
	Music Program - Composers, Librettists, Collaborative Projects	November 15
National Endowment for the Humanities	Program Development - Experimental efforts with specially designed research workshops	October 1
	Research Materials Grants - research tools and editing	October 1
	Fellowships in Residence for College Teachers	October 15
	Summer Stipends - Three nominations to be submitted by an institutional officer	October 16
	Fellowships for Independent Study and Research	October 30
	Pilot Grants - new courses, curricular needs in humanities	November 15
	NEH Youth Projects - innovative approaches with youth groups	October 15
National Institute of Education	Unsolicited proposals	October 31
National Institutes of Health	New and renewals	October 1
	National Research Service Awards	October 1
National Science Foundation	Undergraduate Research Participation (URP) Program	September 15
	Student Science Training Program	September 22
	Local Course (LOCI) Improvement proposals	October 3
New York State Health Research Council	Health Related Research Grants	November 1
Organization of American States	Fellowships	September 30
Rockefeller Foundation	Humanities Program - Contemporary Values, Contemporary Issues in Humanistic Perspective, American Cultural Heritage	No deadlines announced
	Arts Program - Creative Individual Grants, International Opportunity for Creative Artists	No deadlines announced
Social Science Research Council	Fellowships for International Doctoral Research - various research support plus fellowships for contemporary European affairs	November 1
Woodrow Wilson International Center for Scholars	Fellowship Program	October 1

Researchers Obtain Grants, Contracts

The Office of Sponsored Programs announces the following new grants and contracts for sponsored programs for the Ithaca and Geneva units of the University from May 5, 1978 through July 28, 1978. This list does not include renewals or continuations.

Ast, D.G., Material Science and Engineering, Mechanical Properties of Metallic Glasses, Navy, 12 months, \$14,957.

Bacharach, Samuel, Industrial and Labor Relations, Consensus and Power in School Organizations, National Institute of Education, 9 months, \$62,842.

Baer, R.A., Natural Resources, Environmental Values Program, Rockefeller Brothers Fund, 24 months, \$70,000.

Ballentyne, J.M., Electrical Engineering, Nonlinear and Active Optical Devices, NSF, 12 months, \$83,575.

Bassett, W.A., Geological Sciences, Thermodynamics Kinetics and Rheologic Properties of Mantle Minerals, NSF, 12 months, \$83,598.

Bassett, W.A., Geological Sciences, Investigation of Oxidation States of Iron and Silicon Up To 300 Kilobars and 2000 degrees Centigrade, NSF, 12 months, \$13,295.

Bateman, D.F., Plant Pathology, Funding for Uihlein Farm Positions, NYS, 12 months, \$14,783.

Batterman, B.W., Cornell High Energy Synchrotron Source, High Energy X-Ray Synchrotron Radiation Laboratory, NSF, 5 months, \$158,088.

Batterman, B.W., Applied and Engineering Physics, Measurements of Forbidden Reflections in Germanium and Silicon Using Synchrotron Radiation, NSF, 24 months, \$72,000.

Battistella, R.M., Business and Public Administration, Graduate Program in Health Administration, HRA, 12 months, \$71,280.

Berkey, A.L., Education, New Teacher Workshop-Inservice Program for Teachers, NYS, \$3,150.

Berkey, A.L., Education, Retail Floral Design-Inservice Workshop for Teachers of Agriculture, NYS, \$3,150.

Bird, J.M., Geological Sciences, Origins of Magnetic Anomalies, Navy, 24 months, \$54,868.

Bronfenbrenner, U., Human Development and Family Studies, Comparative Ecology of Human Development: International Core Support, Needmore Foundation, 12 months, \$64,000.

Buskirk, R.E., Neurobiology and Behavior, Lek Organization in Bluegills, NSF, 12 months, \$5,813.

Calvo, J.N., Biochemistry, Regulation of Leucine Biosynthesis in Bacteria, NIH, 12 months, \$39,865.

Cisne, J.L., Geological Sciences, Five Million Years in Evolution of Marine Benthic Organisms, NSF, 12 months, \$32,620.

Cool, T.A., Applied and Engineering Physics, Photodissociation of Metal Halides: New Molecular Lasers at Visible Wavelengths, Navy, 12 months, \$50,000.

Duxbury, J.M., Agronomy, Soils as a Source of Sink of Atmospheric Nitrous Oxide, NSF, 12 months, \$110,112.

Eastman, L.F., Electrical Engineering, Support for 1978 International Symposium on Gas and Related Compounds, Air Force, 16 months, \$7,500.

Eastman, L.F., Electrical Engineering, Research for Sims Analysis, Navy, 3 months, \$1,500.

Edelstein, S.J., Biochemistry, Determination of the Stereochemistry of the Intermolecular Contacts, The National Foundation of March of Dimes, 12 months, \$20,000.

Ehrenberg, R.G., Economics, Estimation of Completed Unemployment Spell Durations from Published Data Under NonSteady State Conditions, Department of Labor, 12 months, \$14,089.

Eliot, J.L., Center for Radiophysics and Space Research, Occulation Studies of Planets, Satellites, Rings, Asteroids and Comets with the Space Telescope, University of Wisconsin, 9 months, \$24,810.

Farris, C.J., Community Service Education, Assessing Change in Sex-Biased Teaching Behavior: Evaluation for Educators, NYS, 9 months, \$5,848.

Freed, J.H., Chemistry, ESR Studies of Surface Adsorption and Catalysis Under Ultra-High Vacuum Conditions, American Chemical Society, Petroleum Research Fund, 24 months, \$95,950.

Frey, J., Electrical Engineering, Practical Study of Silicon Microwave Transfers, Navy, 12 months, \$25,090.

Frey, J., Electrical Engineering, Workshop on Hot Electron Transport in Semiconductors, Navy, 8 months, \$5,325.

Germano, T., Industrial and Labor Relations/Extension, Training Program for Charge Nurses at Paterson Home for the Aged, Nassau County, 1 month, \$1,000.

Gierasch, P.J., Center for Radiophysics and Space Research, Interdisciplinary Scientist on Project Galileo, Jet Propulsion Laboratory, 12 months, \$596.

Gillespie, J.H., Veterinary College, Studies on Bacterial and Viral Depuration of Clams from Great South Bay, NYS Sea Grant, 13 months, \$71,000.

Hamilton, R.S., Mathematics, Real and Complex Analysis, NSF, 12 months, \$9,800.

Hardy, E.E., Cooperative Extension, Riverhead Resource Project, Town of Riverhead, N.Y., 18 months, \$18,000.

Hartmanis, J., Computer Sciences, Computational Complexity, NSF, 16 months, \$94,502.

Hoy, R.R., Neurobiology and Behavior, Genetic and Developmental Analyses of Invertebrate Nervous Systems, NIH, 12 months, \$33,308.

Jacobson, R.H., Veterinary College, Testing Technicon System, Technicon Industrial Systems, 12 months, \$12,000.

Jirka, G.H., Environmental Engineering, Studies on Environmental and Resource Aspects of Ocean Thermal Energy Conversion Plants, MIT, 18 months, \$58,365.

Kallfelz, F.A., Veterinary College, Biological Effects of Implanted Nuclear Energy, NIH, 12 months, \$37,958.

Kammen, M.G., Center for the Humanities, Matching for NEH Challenge Grant, Mellon Foundation, 5 years, \$185,000.

Keil, F.C., Psychology, Studies in Semantic and Conceptual Development, NSF, 18 months, \$29,247.

Kochan, T.A., Industrial and Labor Relations, Quality of Employment Survey, Department of Labor, 6 months, \$4,146.

Ku, W.H., Electrical Engineering, Basic Agreement for Rome Air Development Center Postdoctoral Program, Syracuse University, 6 months, \$33,250.

Latham, M.C., Nutritional Sciences, Vitamin A Deficiency Systems, AID, 3 years, \$144,413.

Latham, M.C., Nutritional Sciences, Methods to Increase Breast Feeding in Yemen Arab Republic, Rockefeller Foundation, 30 months, \$24,955.

Lee, K.M., Veterinary College, Vaccination and Persistence of Pseudorabies Virus (PRV) in Swine, USDA, 18 months, \$28,935.

Lewis, A., Applied and Engineering Physics, Primary Events in Vision, Navy, 15 months, \$30,000.

Loehr, R.C., Agricultural Engineering, Site Characterization Techniques-Land Treatment of Wastewater, Army, 12 months, \$9,334.

Lucas, W.F., Operations Research and Industrial Engineering, Fourth International Workshop on Game Theory - Multiperson Games and Its Applications, Navy, 6 months, \$7,500.

Lucio, B., Veterinary College, Infectious Bursal Disease Control Through Maternal Antibodies and Mibolerone, Upjohn Company, 2 months, \$2,500.

Lynn, W.R., Center for Environmental Research, Managing Public Services Under Declining Demand, NSF, 12 months, \$73,018.

Maas, J.B., Psychology, Drunken Driving Film, Aetna Life and Casualty Company, 12 months, \$15,000.

McGregor, D.D., Veterinary College, Mediator of Cellular Immunity, NIH, 12 months, \$60,052.

Messing, G.M., Classics, A Study of the Greek Roman Language and Its Local Variations, NSF, 2 months, \$1,350.

Mills, E.L., Natural Resources, Implementation of a Monitoring Station in Central New York to Examine Oxidants in Precipitation, NYS, 12 months, \$2,527.

Moffat, J.K., Biochemistry, The Interaction Between Calcium and Ca Binding Proteins and Polypeptides, NIH, 12 months, \$30,553.

Morrison, M.A., Nutritional Sciences, Utilization of Caprolactum, Industrial Health Foundation, 12 months, \$26,875.

Pekoz, T., Structural Engineering, Interaction of Plate Elements, American Iron and Steel Institute, 10 months, \$27,000.

Pohl, R.O., Laboratory of Atomic and Solid State Physics, Low Temperature Thermal Properties of Amorphous Solids: Nitrate Glasses, NSF, 12 months, \$45,000.

Pough, R.H., Ecology and Systematics, Integrated Study of Ecology, Adaptations and Evolution of Three Sibling Species, NSF, 12 months, \$20,642.

Que Jr., L.U., Chemistry, Non-Heme Iron Dioxigenases - Structure and Mechanism, NIH, 12 months, \$49,402.

Ramage, A., Program in Urban and Regional Studies, An Urban Survey and Spatial Analysis of Sardis and Its Environs, NSF, 17 months, \$38,524.

Rhodin, T.N., Applied and Engineering Physics, Acquisition of Surface Probes for a Synchrotron Radiation Photoelectron Spectrometer, NSF, 12 months, \$53,645.

Roelofs, W.L., Geneva Experiment Station, Ecology and Chemistry of Insect-Microbe Interactions in the SpERMosphere, Rockefeller Foundation, 42 months, \$53,751.

Ross, R.M., University Libraries, Library of Congress, 4 months, \$5,336.

Sachse, W.H., Theoretical and Applied Mechanics, Ultrasonic Non-Destructive Testing of Composite Materials, Air Force, 12 months, \$80,125.

Semmelhack, M.F., Chemistry, Synthesis of Quinone Anti-Tumor

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Items for the Bulletin Board must arrive in the Chronicle Office by noon of the Monday before publication.

Job Hunting in Ithaca Topic

A panel of professionals will speak on the trials and joys of finding a job in Ithaca. Sponsored by the Office of the Dean of Students and the Department of Residence Life for Cornell students and their spouses, the discussions will be held at 7:30 p.m. Tuesday, Sept. 12 at Brown center in the Hasbrouck Apartment complex. For further information call Deborah Cohen, 256-4223.

Pottery Classes Scheduled

Several classes in pottery making are scheduled this fall in the Willard Straight Pottery Shop. Classes include Advanced Throwing from Sept. 25 to Nov. 17; Beginner's Hand-building from Sept. 11 to 22; Beginner's Throwing from Sept. 11 to Oct. 22 and Kiln Building, dates to be set. Also, the shop and its facilities are available to experienced potters for a fee. Classes are taught by professional potters. For details on the classes call 256-5170.

Film Club Seeks Speakers

The Cornell Film Club seeks knowledgeable people to give brief talks or lead discussions after our Monday night screenings. Scheduled this term are films by Renoir, Hitchcock and Fellini, among others. Speakers will receive a complimentary membership for the entire term. For further information, call Doug Mink at 256-4939.

Skills Roster in 12th Year

The Professional Skills Roster, 410 College Avenue, is in its 12th year of seeking to match skilled job applicants with appropriate work opportunities in the Ithaca area. Currently on file are individuals trained in such areas as research, editing, typing, accounting, programming and counselling. Employers looking for the highly qualified employee or persons seeking

work are invited to call or stop by the Roster office any weekday morning from 9:30 to 12:30, or telephone 256-3758.

CRHS Model Railroad Display

The Cornell Railroad Historical Society will have a display of model railroad equipment at its next regular meeting at 7:30 D.m. Tuesday, Sept. 12 in Kimball 212. All gauges will be represented. Railroad movies also will be shown. The organization is open to all members of the Cornell community.

Combined Arts Concert

Dance Professor Joyce Morgenroth presents an evening of free entertainment at 8:15 p.m. Thursday, Sept. 7, at Barnes Auditorium, "Let's Say Goodnight Early," with music by Steve Drews and Poetry by John Allen Cann.

Biology Honors Program

Biology juniors and seniors are reminded of the organizational meeting for the Biology Honors Program to be held at 7:30 p.m. Tuesday, Sept. 12 in G-20 Stimson Hall. Applications are available in 118 Stimson.

Graduate Bulletin

A meeting of the Graduate Faculty will be held at 4:30 p.m. on Friday, Sept. 8 in Kaufmann Auditorium, Goldwin Smith Hall. The order of business will be the voting of August degrees.

Graduate students who have Cornell administered awards which provide tuition please note: although your tuition charge appeared on your Aug. 10 bill, credits for tuition aid will not appear until your Sept. 10 or Oct. 10 billing statement.

For graduate students awarded fellowships, scholarships and traineeships, stipend checks should be available at the Student Check Window in the Accounting Office, 130 Day Hall, beginning Sept. 1. You must pick up your check in person and present a valid student I.D. before your check will be released. Most awards are payable monthly and checks are available on the first Friday of each month as payment for that month. Lehman and af-Grad fellowship checks are available at the Graduate Fellowship Office, 116 Sage Graduate Center.

Checks for teaching assistants, research assistants and graduate research assistants should be available bi-weekly on and after Sept. 7 at the various departmental offices. You must be a registered graduate student to receive your checks.

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

Questions concerning fellowships, scholarships, and traineeships should be directed to the Graduate Fellowship Office, 116 Sage Graduate Center, or to the financial administrator in your department. Questions regarding assistantships should be directed to the departmental office providing the award. Questions concerning loans and college work-study should be directed to the Financial Aid Office, 203 Day Hall.

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

For information concerning Fulbright-Hays Doctoral Dissertation Research Abroad Fellowships and Fulbright-Hays Grants contact Jeanne Vernon Campus Fulbright Adviser, Graduate Fellowship Office, 116 Sage Graduate Center. Application deadlines are rapidly approaching.

Now is the time to start thinking about financial support for 1979-80. Many deadlines for submission of fellowship and grant applications occur early in the fall semester. Additional information about the awards listed below may be obtained from either the Career Center, 14 East Ave. or from the Graduate Fellowship Office, 116 Sage Graduate Center. Your surest chance of having support next year will be your own outside award.

Sept. 15 deadline: Frank M. Chapman Memorial Grants (for 10/78 meeting of committee).

Sept. 30 deadline: Organization of American States PRA-Fellowships (for 11/78 meeting of Advisory Board).

Oct. 1 deadline: U.S. Dept. of Justice Graduate Research Fellowship Program.

Oct. 6 deadline: Fulbright-Hays Grants (administered by IIE).

Oct. 15 deadline: Danforth Foundation Fellowships (contact liaison officer, William Kennedy, 224 Goldwin Smith).

Oct. 31 deadline: Rhodes Scholarships (Contact Paul Rahe 327 McGraw).

Nov. 1 deadline: Alliance Francaise de New York scholarship Program. Jessie Smith Noyes Fellowships for Thesis Research (for 2/79 appointment). Society for the Psychological Study of Social Issues (SPSSI).

All completed optical mark course registration sheets should be turned in to Sage Graduate Center by Friday, Sept. 22.

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

All doctoral program students who have completed six residence units prior to the beginning of this semester and have not attempted the Admission to Candidacy Examination must either schedule the examination by mid-September or request permission from the Graduate School for an extension (by recommendation of special committee).

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

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

Career Center Calendar

Sept. 7 — Pre-law Meeting, primarily for Arts and Sciences, but others are welcome. 3 p.m., Goldwin Smith Lecture Room A.

Sept. 11 — Extracurricular Activities for Health Careers Students. Jane Crawford, the Health Careers Coordinator, and Mary McGinnis, coordinator for Civitas, will talk about specific volunteer opportunities in health-related fields. All health careers students are welcome. 12:05 p.m., Founders' Room, Anabel Taylor.

Sept. 11 — How to Use the Career Center Library to Find Information about Undergraduate Study Overseas. 10 a.m., Career Center. Sign up in advance (256-5221).

Sept. 12 — Repeat of program on Extracurricular Activities for Health Careers Students. 12:05 p.m., Founders' Room, Anabel Taylor.

Sept. 12 — Repeat of Program on Undergraduate Study Overseas. 8 a.m. and 4:30 p.m., Career Center. Sign up in advance.

Sept. 13 and 14 — Repeat of program on Extracurricular Activities for Health Careers Students. 1:10 p.m., Founders' Room, Anabel Taylor.

Special Seminars

Items to be listed in the Special Seminars column must arrive in the Chronicle Office, 110 Day Hall, by noon of the Friday before publication.

Agriculture and Life Sciences
AGRICULTURAL ENGINEERING AND ENVIRONMENTAL STUDIES: "The Hudson River: A Reclamation Plan," Leo J. Hetling and Edward G. Horn, N.Y. State Department of Environmental Conservation, 3:30 p.m., Friday, Sept. 8, Riley-Robb 105.

Arts and Sciences
GENERAL CHEMISTRY JOINT WITH PHYSICS: J. de Gennes, College de France, 4:40 p.m., Thursday, Sept. 7, Baker Lab 119.

Biological Sciences
NEUROBIOLOGY AND BEHAVIOR: "The Spider and the Fly: Pursuit of Prey by Jumping Spiders," David Hill, 12:30 p.m., Thursday, Sept. 7, Langmuir Penthouse.

PHYSIOLOGY: "Regulation of Lysine and Methionine Biosynthesis in Barley Seedlings," Simon Bright, Rothamsted Experimental Station, England, 11:15 a.m., Friday, Sept. 8, Plant Science 404.

Centers and Programs
INTERNATIONAL STUDIES: "British Party Politics and the October Election," Ivor Crewe, Political Science, Essex University, 4 p.m., Tuesday, Sept. 12, Uris Hall 153.

Engineering
PLASMA STUDIES: "A Method for Determining a Stochastic Transition," J. Greene, Princeton, 4:30 p.m., Friday, Sept. 15, Grumman 282.

Human Ecology
NUTRITIONAL SCIENCES: "Food Expenditures and Nutrient Profiles Among New York State EFNEP Households," Diva Sanjur, 4:30 p.m., Monday, Sept. 11, Savage 100.

New Grants Received

Continued from Page 18

Agents, American Cancer Society, 24 months, \$89,049.

Seznec, A., College of Arts and Sciences, Improvement of Undergraduate Teaching, Exxon Foundation, 5 years, \$578,500.

Sienko, M.J., Chemistry, Phase Relations and Electron-Electron Interactions in the System Lithium Methylamine, NSF, 12 months, \$62,553.

Sievers, A.J., Laboratory of Atomic and Solid State Physics, Experimental Study of Electronic States at Metal Semiconductor Interfaces, Air Force, 12 months, \$72,225.

Silcox, J., Applied and Engineering Physics, Specialist Workshop on Analytical Electron microscopy, NSF, \$13,738.

Silcox, J., Applied and Engineering Physics, Electron Spectrometry of Solid Systems, NSF, 12 months, \$67,569.

Stein, S.W., Program in Urban and

Regional Studies, Elmira Youth Project, NYS, 8 weeks, \$1,500.

Stycos, J.M., Center for International Studies, Doctoral Dissertation by M. Karim, Age at Marriage and Fertility in Pakistan, Rockefeller Foundation, 15 months, \$11,730.

Usher, D.A., Chemistry, Sequence Specific Modification of Nucleic Acids, NSF, 12 months, \$30,000.

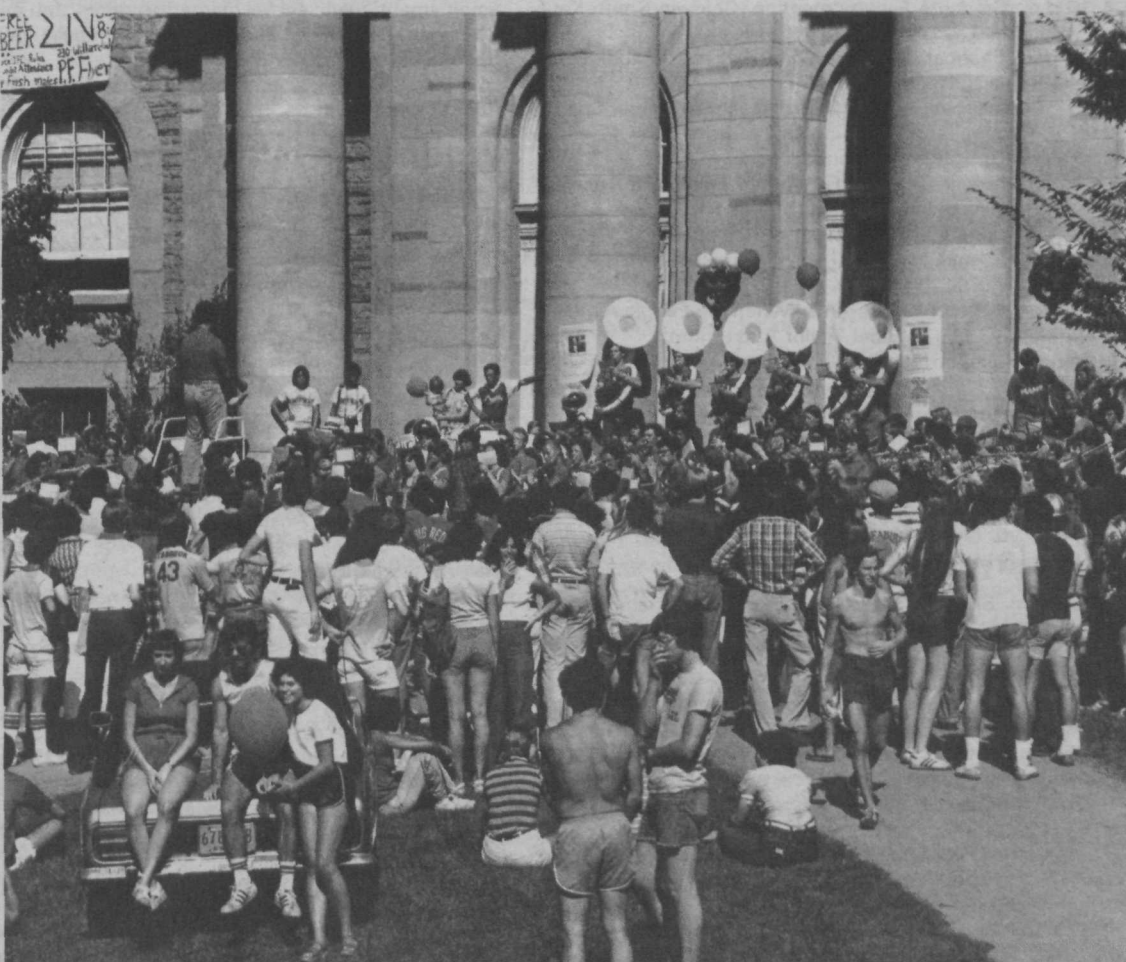
Veverka, J.F., Center for Radiophysics and Space Research, Imaging Team Member on Project Galileo, Jet Propulsion Laboratory, 12 months, \$8,311.

Wertheimer, B.M., Industrial and Labor Relations/Extension, First National Women's Conference, Communication Workers of America, 5 months, \$35,050.

Wolff, J.U., Modern Languages, Preparation of Advanced Lessons in Formal Indonesian, Office of Education, 3 months, \$42,300.

Young, M.W., Johnson Museum, An Exhibition of Japanese Arts and Crafts of the Meiji Period — 1868-1912, National Endowment for the Humanities, 18 months, \$51,781.

Big Red Band Plays at Fun in the Sun



Calendar

September 7-17

All items for the Chronicle Calendar must be submitted by mail or in person to Fran Apgar, Office of Central Reservations, 32 Willard Straight Hall, at least 7 (seven) days prior to publication of the Chronicle.

* Admission charged

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

Thursday, September 7

8 a.m.-4:30 p.m. Fall 1978 Late Registration. Day 222.
8:30 a.m.-4 p.m. Extramural Registration. Day 105.
9:30-11:30 a.m. Play group available for married students' children under three years of age. Parents stay with children. Call Margaret Weiss for more information at 257-6867. Sponsored by Dean of Students Office and Residence Life. Hasbrouck Apartments, Brown Center.
12 noon. Catholic Sacrament of Reconciliation. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
4:30 p.m. Renaissance Colloquium Lecture: "Spenser's Amoretti and Epithalamion of 1595," Carol Kaske, English. Goldwin Smith 160.
7 p.m. The Christian Science Organization welcomes students, staff and campus visitors to the weekly readings and testimonies meeting. Anabel Taylor Founders Room.
7:30 p.m. Israeli Folk Dancing. Anabel Taylor One World Room.
7:30 p.m. Transcendental Meditation and TM-Sidhi programs: "Developing Higher States of Consciousness through Super-normal Abilities." Lecture and discussion of benefits and research on TM programs, including photographs and research on levitation. Free and open to all. Sponsored by TM Club. Ives 215.
8 p.m. *Cornell Cinema and Cornell Law School present "Papillon." Rated PG. Uris Hall Auditorium.

Friday, September 8

8 a.m.-4:30 p.m. Fall 1978 Late Registration. Day 222.
8 a.m.-4 p.m. Extramural Registration. Last day to register without payment of \$10 late fee. No new registrations accepted after Sept. 29. Day 105.
12 noon. Catholic Sacrament of Reconciliation. Anabel Taylor G-24.
12:15 p.m. Alternative Agriculture Bag Lunch Seminar: "Agriculture in the Transition to a Sustainable Society." Fred Buttell, Rural Sociology. Sponsored by CRESO and Rural Sociology. All welcome. Warren 32.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
12:15 p.m. Women's Studies Friday Seminar: "Beyond Androgyny: Some Presumptuous Prescriptions for a Liberated Sexual Identity." Sandra Bem, Psychology, Women's Studies Program, Cornell. I&LR Conference Center 105.
1 p.m. SALAT-AL-JUMA (Friday prayer for Muslims). Anabel Taylor Edwards Room.
4:30 p.m. Student Life and Activities Committee meeting. Day 117.
4:30 p.m. Dining Services Committee meeting. Day 133.
4:30 p.m. Transportation Services Committee meeting. 115 Wait Avenue.
4:30 p.m. Graduate Faculty meeting. Goldwin Smith Kaufmann Auditorium.
6:30 p.m. Shabbat Services (Conservative). Anabel Taylor Founders Room.
6:30 p.m. Shabbat Services (Reform). Anabel Taylor Chapel.
7 & 9:30 p.m. *Cornell Cinema presents "The Goodbye Girl." Rated PG. Statler Auditorium.
7:30 p.m. Cornell Christian Fellowship meeting for prayer, singing and teaching. All welcome. Morrill 106.
7:30 p.m. Pentangle II Free Film Series presents "Heart of Glass" and "Precautions Against Fanatics." Uris Hall Auditorium.
7:30-10 p.m. CUSLAR presents "When the People Awake." Speaker and free film. Anabel Taylor Auditorium.
7:30 p.m. Shabbat Services (Orthodox). Young Israel.
9 p.m.-1 a.m. Lutheran Church Coffeehouse "The Unmuzzled Ox." Enter through rear door at 111 Oak Avenue.
9:15 p.m. *Cornell Cinema presents "The Serpent's Egg." Rated R. Uris Hall Auditorium.
11:30 p.m. *Cornell Cinema presents "Betty Boop Scandals." Uris Hall Auditorium.

Saturday, September 9

9:30 a.m. Shabbat Services (Orthodox). Anabel Taylor Edwards Room.
10 a.m. Shabbat Services (Conservative). Anabel Taylor Founders Room.
2:30 p.m. Big Red Band Concert. Libe Slope. Straight Memorial Room in case of rain.
4:30 p.m. Catholic Sacrament of Reconciliation. Anabel Taylor Founders Room.
5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Chapel.
6 p.m. Cornell Folk Song Club "Sing" and dish to pass meal. Workshop and singing at 7 p.m. Free and open to the community. Big Red Barn.
7 & 9:15 p.m. *Cornell Cinema presents "The Serpent's Egg." Rated R. Uris Hall Auditorium.

7 & 9:30 p.m. *Cornell Cinema presents "The Goodbye Girl." Rated PG. Statler Auditorium.
8:15 p.m. Department of Music presents violin and piano recital: Lynn Chang and Richard Kogan. Barnes Auditorium.
9 p.m.-1 a.m. Lutheran Church Coffeehouse "The Unmuzzled Ox." Enter through rear door at 111 Oak Avenue.
11:30 p.m. *Cornell Cinema presents "Betty Boop Scandals." Uris Hall Auditorium.

Sunday, September 10

9:30, 11 a.m. & 5 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
9:30 a.m. Episcopal Eucharist Worship Service. Coffee hour following service in Founders Room. Anabel Taylor Chapel.
10 a.m. Ithaca Society of Friends (Quakers). Discussion and First Day School. Babysitting provided. Anabel Taylor Forum.
10:45 a.m. Lutheran Church Worship Service. Nursery care provided. Church school prior to service at 9:30 a.m. Coffee hour following service. 109 Oak Avenue.
11 a.m. Sage Chapel Convocation: Ursula M. Niebuhr, theologian and lecturer, Stockbridge, MA.
11:15 a.m. Worship with Protestant Church at Cornell on the "Disappeared" in Chile. Anabel Taylor Chapel.
11:15 a.m. Protestant Church at Cornell: "On Being Away From Home: Exiles and Students." William Rogers, Cornell.
6:30 p.m. Married students free bowling, free instruction, refreshments and babysitting at the Ithaca Bowl. Please sign up in advance. Meet at Hasbrouck Building No. 40 at 6 p.m. for rides.
7 p.m. Hillel Council meeting. Anabel Taylor G-34.
8 p.m. *Cornell Cinema presents "Lies My Father Told Me." Rated PG. Uris Hall Auditorium.

Monday, September 11

8 a.m.-4:30 p.m. Late Registration. Day 222.
11 a.m.-5 p.m. CUSLAR presents photo and poster exhibit on Chile: "Before and After the Coup." Straight Memorial Room.
12 noon. Catholic Sacrament of Reconciliation. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
12:20 p.m. Agricultural Engineering Seminar: "Rough Rice Tempering." James F. Steffe, Agricultural Engineering, University of California, Davis. Riley-Robb 400.
4:30 p.m. Residence Life Committee meeting. Day 117.
4:30 p.m. Board on Student Health meeting. Day 133.
7:30 p.m. "America and World Community": "U.S. Approach to World Community." Theodore Lowi, Government. Anabel Taylor One World Room.
7:30 p.m. Medieval Studies - Quodlibet hosts a party for all graduate and undergraduate students in medieval studies. New students are especially welcome. Goldwin Smith Art Gallery.
7:30 p.m. "English as a Second Language" for married students. Call Judith Ashcraft at 256-6671 for information. Hasbrouck Apartments Brown Center.
7:30 p.m. Yiddish Conversation. Anabel Taylor 314.
9 p.m. *Cornell Cinema presents "1984." Film Club members only. Uris Hall Auditorium.

Tuesday, September 12

8 a.m.-4:30 p.m. Late registration. Day 222.
12 noon. Catholic Sacrament of Reconciliation. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
7:30 p.m. Cornell Railroad Historical Society meeting. Railroad movies will be shown along with a model railroad display. Open to all members of the Cornell community. Kimball 212.
7:30 p.m. Jewish Choral Group organizational meeting. Anabel Taylor Founders Room.
7:30 p.m. Jewish Holidays Workshop. Anabel Taylor Forum.
7:30 p.m. Folk dancing for couples. Singles, beginners, all ages welcome. Martha Van Rensselaer Auditorium.
7:30 p.m. Cornell Outing Club Fall introductory meeting. Movie to be shown following meeting. Straight Memorial Room.
7:30 p.m. "Finding a Job," an informal discussion with area employment agencies, for married students. Job opportunities, where to find them and how to go about getting them. Hasbrouck Apartments Brown Center.
8 p.m. *Cornell Cinema presents "Casque D'Or." Uris Hall Auditorium.

Wednesday, September 13

8 a.m.-4:30 p.m. Late Registration. Day 222.
12 noon. Catholic Sacrament of Reconciliation. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
4:30 p.m. Biophysics Seminar: "Cellular Differentiation and Nitrogen Fixation in Cyanobacteria." Robert Haselkorn, Biophysics. Clark 700.
4:30 p.m. Freshman Reception. Noyes Center third floor lounge.
7 p.m. Hebrew Conversation. Anabel Taylor 314.
7:30 p.m. "America and World Community": "Nature and Man's Treatment of the Environment of Earth." Richard Baer, Natural Resources. Anabel Taylor One World Room.
8 p.m. *Cornell Cinema presents "The Gay Divorcee." Uris Hall Auditorium.
8:15 p.m. Hebrew Conversation. Anabel Taylor 314.
9 a.m.-1 p.m. Open hearing on investments in corporations having operations in South Africa. Anabel Taylor Founders Room.

Thursday, September 14

8 a.m.-4:30 p.m. Late Registration. Day 222.
9:30-11:30 a.m. Play group available for married students' children under three years of age. Call Margaret Weiss for more information at 257-6867. Hasbrouck Apartments Brown Center.
9 a.m.-10:30 a.m. The Division of Campus Life monthly seminar: "Review of Orientation and Registration." Don Burgett, Agriculture and Life Sciences; Tom Fiutak, Office of Dean of Students; Elaine Lefferts, Arts and Sciences; Eleanor Rice, University Registrar. Conversation with President Rhodes. Straight Elmhuist Room.
12 noon. Catholic Sacrament of Reconciliation. Anabel Taylor G-24.

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
12:15 p.m. Women's Studies Graduate/Faculty Colloquium Series: "Household Production and the New Home Economics." Jennifer Gerner, Consumer Economics and Housing. Uris Hall 494.
4 p.m. Natural Resources Seminar: "Biomass Energy Conversion and Environmental Implications." David Pimentel, Entomology. Fernow 304.
4:45 p.m. Campus Council Meeting. Clark 701.
7 p.m. The Christian Science Organization welcomes students, staff and campus visitors to the weekly readings and testimonies meeting. Anabel Taylor Founders Room.
7:30 p.m. Israeli Folk Dancing. Anabel Taylor One World Room.
8 p.m. *Cornell Cinema and CUSLAR present "It's Raining in Santiago." Rated R. Uris Hall Auditorium.

Friday, September 15

8 a.m.-4:30 p.m. Late Registration. Day 222.
12 noon. Catholic Sacrament of Reconciliation. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
12:15 p.m. Women's Studies Friday Seminar: "Sexism in Communist Politics." Barbara Jancar, Political Science, Brockport. I&LR Conference Center 105.
1 p.m. SALAT-AL-JUMA (Friday prayer for Muslims). Anabel Taylor Edwards Room.
4:30 p.m. Public lecture: "The Concept of Percolation: Alloys, Gels, Spreading Diseases, Hydrology and The Entanglement of Hair." Pierre-Gilles de Gennes, College de France and A.D. White Professor-at-Large. Goldwin Smith Kaufmann Auditorium.
6:30 p.m. Shabbat Services (Conservative). Anabel Taylor Founders Room.
6:30 p.m. Shabbat Services (Reform). Anabel Taylor Chapel.
7:30 p.m. Shabbat Services (Orthodox). Young Israel.
7:30 p.m. Pentangle II Free Film Series presents "Vive le Tour" and "Zazie in the Metro." Uris Hall Auditorium.
7:30 p.m. *Cornell Varsity Soccer-San Jose State exhibition game. Schoellkopf.
7:30 p.m. Cornell Christian Fellowship meeting for prayer, singing and teaching. All welcome. Morrill 106.
8 p.m. Classics Department will present an informal reading of Aristophanes' Clouds. Free and open to the public. Goldwin Smith Temple of Zeus.
8 p.m. *Cornell Cinema presents "Dr. No" and "You Only Live Twice." Statler Auditorium.
8:30 p.m. *Cornell Folk Song Club presents John Roberts and Tony Barrand in concert. Straight Memorial Room.
9:30 p.m. *Cornell Cinema presents "Padre Padrone." Uris Hall Auditorium.
11:45 p.m. *Cornell Cinema presents "Dark Star." Rated G. Uris Hall Auditorium.

Saturday, September 16

9:30 a.m. Shabbat Services (Orthodox). Anabel Taylor Edwards Room.
10 a.m. Shabbat Services (Conservative). Anabel Taylor Founders Room.
4:30 p.m. Catholic Sacrament of Reconciliation. Anabel Taylor Founders Room.
5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Chapel.
7 & 9:30 p.m. *Cornell Cinema presents "Padre Padrone." Uris Hall Auditorium.
8 p.m. *Cornell Cinema presents "Dr. No" and "You Only Live Twice." Statler Auditorium.
8 p.m. *University Unions Program Board presents "Sound and Silence" with Paul Winter Consort and Keith Berger. Reserved seating only. Tickets on sale at Straight Ticket Office. Bailey Hall.
9 p.m. *B'nai B'rith Hillel Foundation presents an Israeli Cafe with Kol B'Seder Singers. Straight Memorial Room.
11:45 p.m. *Cornell Cinema presents "Dark Star." Uris Hall Auditorium.

Sunday, September 17

9:30, 11 a.m. & 5 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
9:30 a.m. Episcopal Eucharist Worship Service. Coffee hour following service in Founders Room. Anabel Taylor Chapel.
10 a.m. Ithaca Society of Friends (Quakers). Discussion and First Day School. Babysitting provided. Anabel Taylor Forum.
11 a.m. Ithaca Society of Friends (Quakers). Meeting for worship. Anabel Taylor Forum.
11 a.m. Sage Chapel Convocation: L. Pearce Williams, History. Cornell.
8 p.m. *Cornell Cinema presents "Hester Street." Uris Hall Auditorium.

Exhibits

Olin Library: "The Splendor of Islamic Art." through Oct. 29.
Herbert F. Johnson Museum of Art: "Jean Dubuffet," through Sept. 3; "James Abbott McNeill Whistler," through September; "Permanent Collection," through September; "Peter Berg: Installation," Sept. 12 through Oct. 15; "Cornell University Department of Art Faculty Exhibition," Sept. 13 through Oct. 15.
Willard Straight Memorial Room: Photo and poster exhibit on Chile and Latin American liberation. Monday, Sept. 11, 8 a.m. 5 p.m.

Announcements

Intramural Soccer (Men). The deadline on entries is Thursday, Sept. 14 at 4 p.m. in the Intramural Office, Grumman Squash Courts Building. Minimum of 12 to enter (8 will constitute a team). When entering specify your preferred day of play, 1st, 2nd and 3rd choice, Monday through Thursday evenings and sign the chart to enter.

