

Cornell Chronicle

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Pro-divestment speakers conduct a trial questioning the "fitness" of Cornell's Board of Trustees to decide whether the university should divest from companies doing business in South Africa during a hearing on campus Monday night. Stories about the hearing and Friday's trustee meeting are on page 3.

Philippine Vote Not Expected To Affect C.U. Projects There

Four Cornell professors with expertise in Asian studies and in agriculture say that next week's election in the Philippines probably won't affect university programs there.

The future political climate, though, will be changed forever even if opposition candidate Corazon Aquino loses to incumbent Ferdinand Marcos.

Frank Golay, professor emeritus of Asian studies, predicts that Aquino has the best chance of any previous candidate to defeat Marcos, who has been in office for 20 years. While Marcos has loyalty outside the major cities, his two-thirds majority victories of the past will not hold up this time around.

"Marcos will win, but his majority support is deteriorating; politicians and the people generally feel that the time for a change has come," Golay said.

Golay, who directed Cornell's Southeast Asia Program from 1960 to 1966, is president of the Association for Asian Studies. He will address the scholarly organization March 22 in Chicago at its annual meeting. His topic will be "Cause for Concern in the Philippines."

Claims of threats of a communist takeover if Marcos loses are not taken seriously by Golay.

"There is some potential of more communist influence," he said, "but it is not immediate because the movement there is rather limited in numbers." He said the communist movement, for the most part, is comprised of college students working underground in the rural areas of the Philippines trying to overthrow Marcos.

"I don't think the movement has the potential to topple Marcos for at least a decade, if Marcos lives that long."

One Cornellian who sheds some light on Marcos' health is George McT. Kahin, director of Cornell's Modern Indonesia Project. Kahin, who met privately with Marcos in September 1985, said the president appeared to be "reasonably well" and did not have any medical staff at his side when they met. Kahin was conducting research on the

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Human Ecology Findings Illuminate Human Nature

By SUSAN S. LANG

Research findings during 1985 at the College of Human Ecology here ranged from how minor stress eats away at our daily well-being, how television advertising geared for children is changing, and how much time fathers spend with their children to why acquaintance rape is not uncommon, how youths are perceived as irresponsible, how people working at home on computers view telecommuting, and how communities feel about the mentally ill living in their towns.

Everyday minor hassles have the greatest impact on one's daily mood compared with other types of stress, including major stressful events, according to a Human Ecology social psychologist. How one responds to daily hassles, however, depends to a large extent upon the degree of chronic stress in one's life. Those who have experienced a great deal of "acute" stress, on the other hand, are much less vulnerable to the aggravating effects of everyday minor stresses.

Another study found that social supports work best for higher educated, higher income persons, and tend to backfire for indi-

women sometimes mean "yes" even if they say "no" to sexual advances. Women, on the other hand, are taught to try to be attractive to men yet to act coy, while also being passive, non-assertive, and nurturing.

As more Americans live to old age, many are not obtaining adequate supplies of food. In a sample population in New York State, 25 percent of the elderly surveyed had fewer than seven hot meals a week, and 16 percent went for one or more days a week without food. Both malnutrition and the inability to get sufficient food is evident throughout the elderly population, according to a Cornell nutritionist and physician who conducted the study.

The mentally ill are another disadvantaged group. As many become deinstitutionalized, they are unwelcome in local communities. Major education programs will be required to change public attitudes toward accepting the mentally ill into group residences in local

communities, Cornell researchers have concluded.

On another community front, a Human Ecology psychologist has found that telecommuters — people who commute to work

Telecommuters who work out of their homes work longer hours than they did before.

only as far as their home computers — tend to work longer hours than before they telecommuted. Yet, these computer workers report higher work quality and greater satisfaction in their jobs than before they telecommuted.

In addition to the effect computers have on our way of life, television can have a pro-

Continued on Page 2

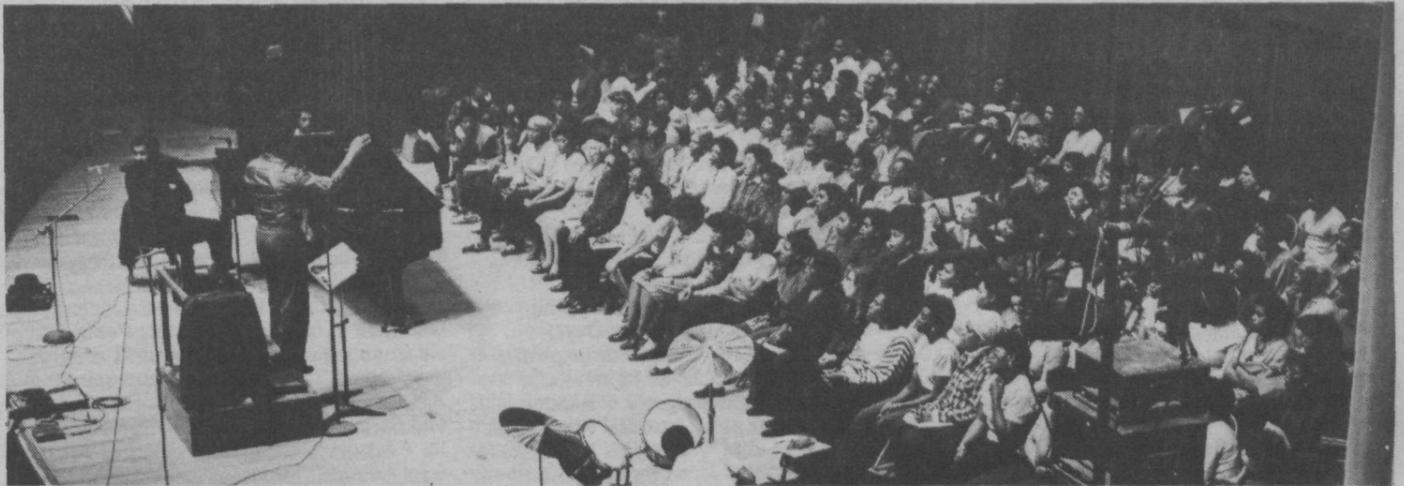
Social support systems work best for higher educated, higher income persons.

viduals with lower incomes and educations. The better-off individuals also tend to have a larger network of friends and family to call upon for help and are better at mobilizing that help when they need it. Lower resource individuals, though, are not only helped less by social networks, but often feel worse after seeking social support.

In the realm of the family, mothers tend to spend more time at home when they have children, as might be expected. Yet, fathers show a peculiar pattern; they spend more time at home when their children are younger than 2 years old and older than 11 years, but tend to work outside the home more when their children are between those ages, according to a study by a Cornell consumer economist.

As children get older and become adolescents, they are perceived by American society as being irresponsible and immature when it comes to the labor market. According to a Human Ecology youth specialist who studied German apprenticeships for a year, these negative descriptions have more to do with how the labor system treats youth than how the youths actually act.

As young men and women move into adulthood, many find themselves involved in acquaintance rapes. According to a Cornell sex education expert, even "nice" men with "good intentions" force women to have sex because of the communication patterns they have learned. Men learn to be sexually aggressive, for example, and to believe that



10th Festival of Black Gospel Celebrated Feb. 7-9

A collegiate gospel choir, a 200-voice chorus, and singing groups from New York state, will praise the Lord in song during the 10th annual Festival of Black Gospel here Feb. 7-9.

Started in 1977, the festival celebrates the spiritual strength of black gospel music and its message of hope that sprang from the despair of slavery.

"Black gospel music, more than any other music form, captures the pain, isolation, enthusiasm, and hope of an entire race," said Ron Reeves, assistant director of Willard Straight Hall and an organizer of this year's festival.

"This festival, the only one of its kind in upstate New York, is about the power of music and the strength of the human spirit," he added.

The festival will begin at 8 p.m. Friday, Feb. 7, with a Bailey Hall concert by the Howard University Gospel Choir and the Richard Smallwood Singers.

The Howard Gospel Choir, formed in 1969 as the first college gospel choir in the United States, will present a variety of gospel, spiritual, and classical works. The Smallwood Singers have presented their combination of classical training and charismatic religious experience to audiences in the United States and Europe.

Concert tickets, at \$5 for students and \$6 for others, are available at the Willard Straight Hall ticket office on campus, Egbert Union at Ithaca College, and Rebob Records and Logos Bookstore in Ithaca. Tickets will be \$7 at the door.

On Saturday, Feb. 8, a gospel music workshop open to the public will explore topics such as "The History of Black Gospel Music," "Sight Reading," and "Gospel Music as a Business." The workshop will be held from 9 to 11:30 a.m. at Anabel Taylor Hall.

As part of the workshop, some 200 singers will combine their voices for the first time in practice for a concert later that evening.

Members of the public are invited to join the choir practice from 1:30 to 4:30 p.m. at Bailey Hall.

The workshop will be supervised by musician Barbara Westbrook Smith of Memphis.

On Saturday night, six choirs from throughout New York state and the 200-voice choir will perform at 8 p.m. in Bailey Hall. The Saturday night concert is free to the public.

The festival will close Sunday, Feb. 9 with an 11 a.m. service in Sage Chapel. The Rev. Edward K. Braxton, Roman Catholic chaplain at the University of Chicago, will preach on "Do Not Let Men Intimidate You: The Challenge of Being Black and Christian in America."



BRAXTON

University Employee Assembly Has Nine Seats Up for Election

Nine seats on the Cornell University Employee Assembly will be up for election this spring.

Employees who wish to seek election can obtain petitions from the Office of the Assemblies, 165 Day Hall, between 8 a.m. and 4:30 p.m. weekdays beginning Feb. 5.

Petitions must be returned to the assemblies office by 4 p.m. Friday, Feb. 28.

The election will be conducted by campus mail. Ballots with information about the candidates will be sent to all Cornell employees beginning March 19 and must be returned by 4 p.m. April 7.

The employee assembly, a component of the university's non-academic governance system, represents 6,800 non-faculty employees. There are 13 elected positions on the

assembly.

This year's elections will fill five seats held by employees in Cornell's statutory units, three held by employees in the endowed units, and one from the Agricultural Experiment Station at Geneva.

Last year, five persons ran uncontested for eight seats. The three remaining seats were filled by appointment by the Employee Assembly.

According to its charter, the Employee Assembly explores opportunities to enhance the role, function, and contributions of employees to the well-being of the university, and examines policies that affect employees.

Additional information about the Employee Assembly is printed in this week's issue of Networking.

Columbia Professor Edward W. Said To Give 1986 Messenger Lectures

Edward W. Said, who has gained critical acclaim for his investigations into the role of academic disciplines in creating cultural stereotypes, will give the 1986 spring Messenger Lecture Series here Feb. 6, 7, 10, and 11.

Said, the Parr Professor of English and Comparative Literature at Columbia University, will give four talks on the theme "Culture and Imperialism." All of the lectures will be in the Hollis E. Cornell Auditorium of Goldwin Smith Hall, starting at 4:30 p.m.

Considered the university's most prestigious general lecture series, the talks are free to the public.

Said will discuss the following topics:

— Thursday, Feb. 6, "Overlapping Territories, Intertwined Histories;"

— Friday, Feb. 7, "Consolidated Vision;"

— Monday, Feb. 10, "Opposition and Resistance;"

— Tuesday, Feb. 11, "Domination Future-Style."

While Said has written extensively on the novel and the responsibility of the critic, he is best known for his book "Orientalism."

That book is a study of how academic disciplines, from the 18th century to the present, have created cultural stereotypes that he argues have assisted in legitimizing Western Imperialism in the Middle East and India.

Among his other six books are "The Question of Palestine" and "Covering Islam." Said was born in Jerusalem in 1935 and attended schools there and in Cairo. He holds a B.A. degree from Princeton University (1956), and M.A. (1960) and Ph.D. (1964) degrees from Harvard University.

He is the author of nearly 100 articles and has given 76 lectures at colleges and universities in the United States and Europe. He has been on the faculty at Columbia since 1963.

Philippines

Continued from Page 1

U.S.-Philippines mutual defense treaty and the status and viability of two major U.S. bases there — Clark Air Force Base and Subic Bay Naval Base.

When Marcos learned that Kahin was asking questions of American and Philippine military officers, the 68-year-old president invited the Cornell professor to his private study in the presidential palace. They talked for three hours over two days, Kahin said, and had a comprehensive discussion of problems related to the treaty and the bases.

As for agricultural programs, Larry W. Zuidema and W. Ronnie Coffman said that any legitimate change of government is not likely to affect Cornell and U.S. AID programs in the Philippines.

Zuidema, associate director of the International Agriculture Program, and Coffman, professor of plant breeding and biometrics, both in the College of Agriculture and Life Sciences, said the programs have been in existence for so long and are so vital to the Filipinos so that they will continue no matter who is president.

Both Zuidema and Coffman did not want to comment on what might happen if there is a violent change in the government.

Cornell's current program in the Philippines — the Farming Systems Development Project — is designed to help rural families achieve a higher living standard. Faculty leader of the program is Randolph Barker, professor of agricultural economics and of Asian studies. Zuidema is the university's administrative representative to the AID program located in the Eastern Visayas island group in the central Philippines.

Telephone Changeover: An Update

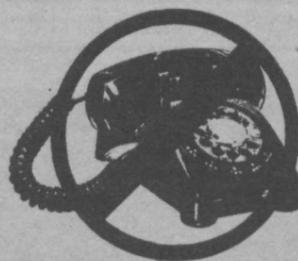
By PAT PAUL

Placement of the System 85 telephone sets is continuing and the list of completed buildings and scheduled buildings appears below. We are attempting to give building occupants one to two weeks' notice of AT&T's intent to place sets. In addition to the schedules listed weekly in the Chronicle, we call building coordinators as soon as their buildings appear on the schedule (usually 10-14 days' notice) and, once again, one to two days before the installation crew is due on site.

As you can imagine, placing more than 11,000 telephone sets in six weeks is a massive undertaking and we request your cooperation to keep the work progressing on schedule. Buildings cannot have sets installed until all the wiring has been completed as station testing is done during the placement process. As soon as a building's wiring is verified, it is placed on the schedule. Although placement and testing time averages 5-7 minutes per station, some take much longer and some move along more quickly than the average. Needless to say, trying to schedule several days in advance doesn't always work. We'll do our best to give you as accurate a date as possible and attempt to notify you 24-48 hours before the crews show up. To date, department personnel have been most cooperative and, as the cutover day approaches, it will become even more critical that work be done on short notice.

We have tried very hard to ensure that all telephones are installed to your specifications, but also realize that there will be errors. Please try to be patient and we will do everything we can to correct errors and oversights as quickly as possible. Again, we ask that you not attempt to call with corrections or changes now. Once we are prepared to handle your requests, we will notify you of the proper procedure.

Pat Paul is director of Telecommunications. This is the third in a series of articles describing the telephone equipment switchover.



Just a reminder that training sessions for department telecom coordinators begin next week. Please be sure that you attend any sessions for which you are scheduled and take training seriously. The System 85 telephones are easy to use, but operate quite a bit differently than those you are accustomed to using. Attending a department training session is essential if you are to be able to fully utilize the features provided by System 85.

BUILDINGS SCHEDULED FOR WEEK OF FEB. 3

Bard Hall	Thurston Hall
Campus Store	Warren Hall
Kimball Hall	Willard Straight Hall
Olin Library	

BUILDINGS COMPLETED AS OF JAN.

Baker Halls,	North Campus No. 5
North/South	North Campus No. 6
Baker Tower	North Campus No. 7
Boldt Hall	North Campus No. 8
(Anna) Comstock	North Campus No. 9
Halls	North Campus No. 10
Dickson Hall	Risley Hall
Donlon Hall	Sheldon Court
Fernow Hall	U Hall No. 1
Founders Hall	U Hall No. 2
Hurlburt House	U Hall No. 3
Lyon Hall	U Hall No. 4
Mennen Hall	U Hall No. 5
North Campus No. 1	U Hall No. 6

PEOPLE

Syracuse Cites Alfred Kahn

Syracuse University has named Alfred E. Kahn, Robert Julius Thorne Professor of Political Economy at Cornell University, as the 1986 recipient of the Honorary Salzberg Memorial Medallion.

The Salzberg Medallion — one of the most coveted awards in transportation and distribution management — is given annually to an outstanding academician or practitioner in the field. It will be presented by Chancellor Melvin A. Eggers at the 35th anniversary of the Salzberg program Apr. 3, 1986.

Kahn, appointed chairman of the Civil Aeronautics Board by President Carter in 1977, played a key role in the deregulation of the airline industry, and later, the entire field of transportation. From 1978 to 1980, he served as the president's adviser on inflation and as chairman of the Council on Wage and Price Stability.

Other positions Kahn has held include: chairman of the New York State Public Service Commission, and member of the Attorney General's National Committee to Study Antitrust Laws, the New York State Energy and Research Institute, and the Environmental Advisory Committee on the Federal Energy Administration.

Currently chairman of the economics department at Cornell, Kahn is a member of the New York State Council on Fiscal and Economic Priorities and the board of direc-

tors of New York Air.

As part of the 35th anniversary of the Salzberg program, past recipients of the Salzberg Medallion will take part in a panel discussion on "Critical Issues Facing Transportation in the Next Decade."

The Salzberg lecture program was established in 1949 by the late Murray M. Salzberg, a Syracuse alumnus, in honor of his father, Harry E. Salzberg. 14 point condensed Women's Studies Seeks Nominations for Board

The Women's Studies Program is seeking nominations of members of the university faculty to serve on the program's board.

Faculty who wish to nominate themselves or others should contact the Women's Studies Program at 332 Uris Hall or at 256-6480. Nominations close February 17.

Women's Studies is a permanent program in the College of Arts and Sciences committed to encouraging the development of teaching and scholarship about women and sex roles for both women and men at Cornell.

It also cooperates in public service activities with the university's extension services.

The program's policies are set by the board composed of faculty, staff and students at Cornell and by other members of the Ithaca area community who have an interest in women's studies.

Jewish Congress Honors Sagan

Carl Sagan, Cornell astronomer and a leading advocate for massive reductions in the world's nuclear arsenals, has been awarded the Nahum Goldmann Medal of the World Jewish Congress.

The medal is the highest award of the World Jewish Congress, the representative body of Jewish communities in 70 countries.

Sagan was cited "in recognition both of ... distinguished service to the cause of peace and ... accomplishments in science and public affairs."

He will receive the medal in Jerusalem Jan. 29 at the 50th Anniversary Plenary Assembly of the World Jewish Congress.

Sagan was the keynote speaker at the assembly in a session with Sir Isaiah Berlin and former Israeli President Yitzhak Navon. They also received a Nahum Goldmann Medal. Sagan's address was titled "The Final Solution of the Human Problem: Adolph

Hitler and Nuclear War."

The Nahum Goldmann Medal, named for the late co-founder and longtime president of the Congress, was last awarded in 1980. Previous recipients are former Israeli President Ephraim Katzir, former British Prime Minister Sir Harold Wilson, former U.S. President Jimmy Carter, former West German Chancellor Helmut Schmidt, and Gerhard M. Riegner, former secretary-general of the World Jewish Congress and now co-chairman of its governing board.

The Goldmann Medal is the latest in a series of recent recognitions of Sagan's work, including the Honda Prize in Tokyo in November and the Annual Award for Public Service of the Federation of American Scientists in Washington in December.

Sagan is the David Duncan Professor of Astronomy and Space Sciences and director of the Laboratory of Planetary Studies.

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It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, age or handicap. The university is committed to the maintenance of affirmative action programs which will assure the continuation of such equality of opportunity.

Pro-Divestment Speakers Attack Proxy Group Report

Cornell's Board of Trustees is relying on an inadequately prepared report to decide whether it should divest from companies doing business in South Africa, 10 pro-divestment speakers charged during an open hearing Monday night.

Several speakers added that 11 trustees sit on the boards of companies that conduct business in South Africa and should not participate in Friday's vote on Cornell's investment policy.

But divestment "is not a responsible strategy" because "corporations have provided us with the only leverage (against apartheid) we've had so far," said one of two speakers who spoke against divestment.

Nearly 200 people, including President Frank Rhodes and 15 trustees, attended Monday's two-hour meeting in Alice Statler Auditorium. Twelve speakers commented on the recommendation from the board's Proxy Review and Investment committees that Cornell strengthen its policy of selective divestment.

The recommendation calls on Cornell to hold no investments in corporations that do not receive one of the top two ratings in evaluations of companies that have signed the Sullivan Principles. Trustees are scheduled to vote Friday on the recommendation.

Trustees did not comment during Monday's hearing. Austin H. Kiplinger, chairman of the board, told reporters after the session that many of the speakers were "highly selective" in their arguments and evidence.

The pro-divestment speakers criticized the Proxy Review Committee's (PRC) report for relying on sources that favor continued investment in South Africa, and for not evaluating Cornell's current policy or any alternatives to its recommendation.

"It's incoherent," philosophy professor David Lyons said of the report. "It fails to reflect reasoned consideration."

"As you have learned in your freshman seminar, a conclusion reached in absence of evidence and argument is generally a weak one," added student Laurel West.

Lyons and Locksley Edmondson, a professor at Cornell's Africana Studies and Research Center, criticized the report's use of the Sullivan Principles as a guideline, saying the principles "address more symptoms than causes."

The Sullivan Principles call on signatories to end racial discrimination in the work place and to work toward the abolishment of apartheid. But their founder, the Rev. Leon Sullivan, has said that divestment is needed "to keep the pressure on the companies," Edmondson said.

A decision to not divest must be "based on

ignorance or arrogance, or possibly a combination of both," claimed Edmondson, who said Cornell's scholarship program for South African blacks can not be treated as a "tradeoff" for investment in companies that

do business there.

It would take 19 years for Cornell's costs of divesting to equal the \$10 million the university refused from Congress because the funds were not subject to a merit review, ex-

tramural student Richard Ryan said.

But a decision to divest would be using investments "as a political statement on a selective basis," said senior Andrew Sendall, one of two students who spoke against divestment. "The Soviet Union is guilty of far greater crimes (than South Africa). If the university is to use its investments as a political bludgeon," it should apply it to all human rights abusers, he said.

"Divestment is not a responsible strategy," said junior Michael Millette. American companies that withdraw will leave their facilities and technology behind, in the hands of white South Africans, while the majority population "will not have the arms, technology, or training to overcome the apartheid system," he claimed.

Under terms agreed to in advance, up to two hours of the hearing were set aside for presentations by speakers followed by 30 minutes for questioning of the speakers. However, after the trustees in attendance declined a request to take the stage for a debate, eight pro-divestment speakers conducted a mock trial of the trustees, questioning their "fitness" to vote on the investment recommendation.

With a bedsheet reading "Trustees on Trial" displayed behind them, the speakers criticized the PRC report and charged 11 trustees with a conflict of interest for sitting on the boards of corporations doing business in South Africa.

"The vote on divestment this Friday will be nothing more than a vote for corporate interests," said extramural student Brett Beeman.

The pro-divestment speakers identified the following trustees as being board members of companies doing business in South Africa: Lilyan H. Affinito, Robert A. Cowie, Kenneth T. Derr, Robert G. Engel, Samuel C. Johnson, Charles F. Knight, Curtis S. Reis, Patricia Carry Stewart, Carol C. Tatkun, Richard F. Tucker, and President Rhodes, who is an ex officio board member.

After a "vote of no confidence," the pro-divestment speakers declared their portion of the hearing over and many of their supporters left the auditorium before questions could be asked.

Lyons and Edmondson did respond to written questions, but only a few dozen people remained for that portion of the meeting.

Board chairman Kiplinger told reporters that the vote of no confidence was "a nice piece of psychodrama." He said board members do not have a conflict of interest and that all of the trustees are legally entitled to vote on the investment recommendation.



Moderator Joseph B. Bugliari, dean of the faculty, reviews material with Locksley Edmondson, visiting professor at the Africana Studies and Research Center, one of the pro-divestment speakers.

Trustees Expected to Vote On Divestment Issue Friday

The university's Board of Trustees will vote on a proposal to strengthen the university's selective divestment policy when it meets in open session Friday in New York City.

Discussion of the Investment Committee's recommendation to adopt a stronger investment policy concerning companies that do business in South Africa is scheduled for 10 a.m. in Uris Auditorium at the Cornell University Medical College.

Other agenda items to be considered beginning at 9 a.m. are: effects of Gov. Cuomo's 1986-87 budget on the statutory units at Cornell; a report on sponsored research by Vice President Joseph M. Ballantyne; a report by Dean of the Faculty Joseph B. Bugliari; a report on the university's current fiscal position by Vice President and Treasurer James E. Morley; and the Audit Committee Annual Report by Trustee Kenneth Derr.

During their closed session, board members will hear reports on and consider several financial, facilities, and personnel matters.

In addition to the regularly scheduled meeting of the board, five board committees will conduct open sessions Jan. 30. Open committee meetings, their times, and locations are:

9 a.m., Buildings and Properties, Vanderwarker Room of Memorial Sloan-Kettering Cancer Center, 1275 York Ave.

Noon, Committee on Land Grant and Statutory Affairs, Griffis Faculty Club.

Noon, Committee on Academic Affairs, Board of Governors' Room (Whitney 117).

2 p.m., Executive Committee, Executive Faculty Room.

6 p.m., Audit Committee, Board Room Club, 41st Street West Tower.

The Week in Sports

Basketball Has Two Key Games This Weekend

By JOHN HERON
Sports Information

The men's basketball team has two of its biggest home games of the season, highlighting the Cornell sports action on campus this weekend. In all, five teams will entertain opponents in the coming week.

Men's basketball team will play Ivy rivals Princeton and Pennsylvania on Friday and Saturday, respectively, with both games at 7:30 p.m. in Barton Hall. The women's gymnastics team has its home opener Saturday, entertaining Massachusetts at 2 p.m. in Teagle Hall. On Sunday, Princeton visits Lynah Rink to face off against the Big Red men's hockey team in a 2 p.m. contest. The women's basketball team plays host to Ithaca College Tuesday at 7:30 p.m. in Barton Hall, and on Wednesday the women's hockey squad will meet RIT in a 7:30 p.m. game at Lynah Rink.

There will be an abundance of away action during the weekend. The men's and women's track teams have a double dual meet at Syracuse on Friday, and the women's basketball team will travel to play Princeton Friday and Pennsylvania Saturday. The Concordia Tournament in Montreal will be the destination for the women's hockey team over the weekend, while both the men's and women's fencing squads are scheduled to compete in an event at Penn State.

The men's and women's swimming teams will be in New Haven to take on Yale Saturday. Harvard will be the opponent for the wrestling team that day, and on Sunday the men's gymnastics team will be at Syracuse.

The Big Red men's basketball team can jump right back into the thick of the Ivy League race with a pair of victories at Barton Friday and Saturday. Cornell has a three-game winning streak against Princeton, sweeping the two games with the Tigers last year for the first time since 1950-51.

Head coach Alicia Goode has the women's gymnastics team improving with each meet thus far. Although it was edged out by the University of Connecticut on Saturday, 167.75 to 167.10, the Red had its highest scoring total of the season. The squad is now 3-3 overall and enjoyed success during a two-meet trip to California, which featured wins over Long Beach State and Cal-Santa Barbara. Sophomore Jeanne Pitts has won five events in the first three meets, including two consecutive first-place finishes in floor exercise. Classmate Connie Leavitt has won an event in each competition thus far, and she captured first place on balance beam against Connecticut for the second straight week. Senior Carolyn Boos took first on the uneven bars and placed third in the all-around competition in that meet. It was her first performance as an all-rounder this season.

Massachusetts holds a 5-3 advantage over the Big Red, but Cornell won last year's meet, 167.50-160.00.

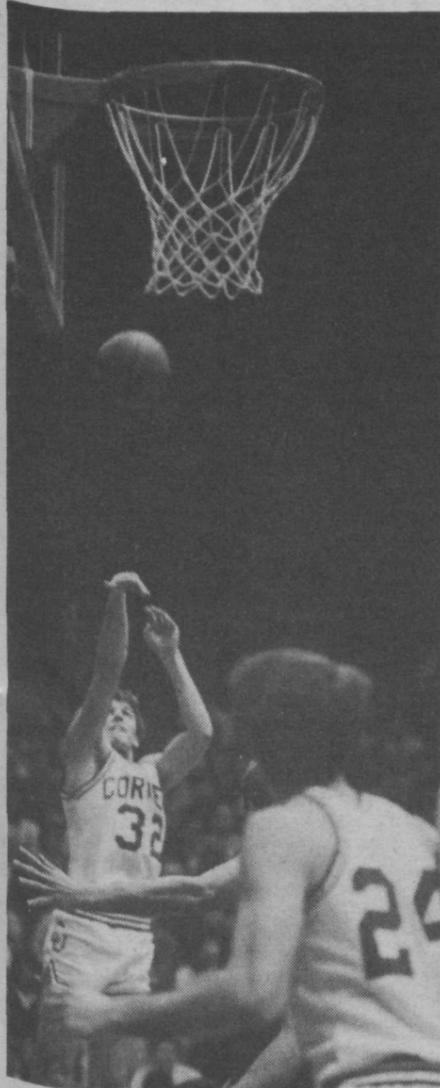
The women's basketball team lost its first 11 games against the Bombers in the series between the crosstown rivals, but the Big Red has gained revenge since then, winning the last three encounters. Cornell gained a 70-61 triumph last season. The Big Red, which is 4-9 overall and 1-3 in the Ivy League, will look to improve its position in the league this weekend when it travels to Penn and Princeton.

Junior guard Mary Browne turned in an excellent shooting effort last weekend. She made 11 of 16 shots from the field and scored a season-high 26 points in Cornell's tough 72-68 loss to Columbia. Browne is the team's second-leading scorer, behind senior Karin Dwyer (14.8 ppg.), as she sports a 10.6 average. The junior is also the top free throw shooter, hitting on 88 percent of her attempts. Dwyer leads the team in rebounding (6.7 rpg.) while senior Heidi Johnson is sec-

ond, hauling down an average of 6.2 per game.

The Big Red women's hockey team is off to its best start in five years with a 8-3-3 overall record. In addition, the squad is in the race for the Ivy League title with a 3-0-3 slate. It will take a break from its busy conference schedule by traveling to the Concordia Tournament this weekend and then entertaining RIT on Wednesday.

Cornell once dominated RIT, but that's no longer the case. The Big Red won the first seven meetings between the teams, outscoring RIT by a whopping 52-5 margin in doing so. Last season, however, Cornell had to scrap to gain a hard-fought 2-1 overtime win before taking the second meeting of the year by a 7-2 score. And a month ago, the Red lost in Rochester, 4-2.



Junior guard John Bajusz shoots a jumpshot from the baseline. The junior guard has the top overall scoring average among Ivy players this season.



JEANNE PITTS
Gymnastics

Farm Crisis Is in Its 4th Year with 'No End in Sight'

The nation's farm crisis is now entering its fourth year and a Cornell researcher says there's no end in sight.

Frederick Buttel, associate professor of rural sociology, estimates that one-third of the nation's 700,000 commercial farms with sales exceeding \$50,000 a year are either technically insolvent or under severe financial stress. These farms account for more than \$110 billion in farm debt.

Buttel added that bankruptcy and foreclosure rates are booming, and land values have declined in real terms by about 30 percent since 1980, and by more than 50 percent in some midwestern states.

How will the debt crisis affect American agriculture and various types of farmers over the long term? Will the crisis accelerate the longstanding trends toward fewer and larger farms? Will financial stress weaken the institution of family farming, or actually fall most heavily on larger, nonfamily farms?

These issues will be addressed by four specialists on farm policy, family farming, and

the world food economy in the spring semester symposium series — "The Farm Crisis and the Future of the Family Farm" — sponsored by the Agriculture and the Liberal Arts Project, which is funded by the W. K. Kellogg Foundation.

Administered by Cornell's Program in Science, Technology, and Society, the project was established in 1985 to promote the study of agricultural issues in the arts and sciences and general education curricula at the university. Co-directing the Agriculture and Liberal Arts Project are Buttel and June Fessenden-Raden, associate professor of biochemistry and of biology and society at Cornell.

The spring symposium is available to students as a one-credit course, Biology and Society 400.1. Course work will involve attending the symposiums and five discussion sessions, plus writing two brief papers during the first 10 weeks of spring semester.

Students interested in the course should go to an organizational meeting at 3 p.m. today

in Room 609 of Clark Hall.

The symposium presentations, which are open to the public, will be held at 3 p.m. in Room 701 of Clark Hall on campus, as follows:

Feb. 6 — Kenneth R. Farrell, director of the National Center for Food and Agricultural Policy at Resources for the Future, Washington, DC, and former administrator of the Economics, Statistics, and Cooperative Service of the U.S. Department of Agriculture, will speak on "Farm Financial Stress and the Farm Crisis: Origins, Solutions, and Implications for U.S. Farm Structure."

Feb. 27 — Philip Ehrensaft, professor of sociology at the University of Quebec at Montreal and an authority on comparative agrarian structures in North America, Western Europe, and Africa, will discuss "The Farm Crisis in Comparative Perspective: Financial Stress and Agricultural Instability in Canada, the U.S., and Western Europe."

March 13 — Carolyn Sachs, rural socio-

logist at the Pennsylvania State University who is widely known for her work on women in agricultural development and the author of "The Invisible Farmers: Women in Agricultural Development," will discuss "Surviving the Farm Crisis: How Farm Households Adapt to Financial Stress."

April 3 — Raymond Hopkins, professor of political science at Swarthmore College, director of the Agriculture and Liberal Arts Project at Swarthmore, and author of books on food, politics, and agricultural development, will speak on "International Markets and National Policies: Why American Farmers Bear Unfair Burdens."

The final symposium in a series of three is tentatively scheduled for spring semester 1987. It will be devoted to social, economic, and ethical aspects of agricultural research. It will coincide with the centennial of the Hatch Act of 1887, which established the agricultural experiment stations at land-grant universities such as Cornell.

Cornell, D.A. Will Not Pursue Pending Cases

Cornell and the Tompkins County district attorney will not pursue cases pending in Ithaca City Court against protesters who were arrested for refusing to obey orders to leave the university's administration building between April 18 and Dec. 31, 1985.

The joint decision to drop the cases was announced last Friday by William D. Gurowitz, Cornell vice president for campus affairs, and District Attorney Benjamin Bucko.

In addition, the university administration and acting Judicial Administrator Rosanne Mayer have decided that related offenses filed under the campus code will not be pursued.

The demonstrators, who were protesting Cornell's investments in companies that do business in South Africa, were charged with criminal trespass and violating the campus code of conduct for refusing to obey orders from Cornell officials to leave Day Hall.

Charges for violating the campus code of conduct were filed under the university's Regulations for the Maintenance of Public Order. Those regulations, revised Dec. 5 by the Executive Committee of the Board of Trustees, became effective Jan. 15.

The revised regulations, adopted after several months of discussion among administrators, trustees, students, and faculty members, should be given "a full and fair opportunity to function, free of the confusion and recriminations of the past," Gurowitz said.

"I hope that our amended regulations will stand us in good stead," Cornell President Frank Rhodes said. "All of us have a stake in giving them a full opportunity to function."

"The decision not to pursue these past public order offenses under the campus code is an indication of our willingness to give the new regulations a chance to work," Rhodes

added. "My hope and expectation is that the regulations will work well and that members of the university community will work together to ensure their effectiveness."

Bucko emphasized that the decision not to proceed with the cases was not an indication that individuals arrested in the future would not be prosecuted. He said that Cornell's revised public order regulations specifically state that the university, like any citizen, may seek to enforce the laws of the State of New York, including trespass laws.

In addition, Gurowitz clarified the uses of Day Hall to 'help avoid any misunderstandings.' Regulations governing the use of Day Hall, Cornell's main administration building, state:

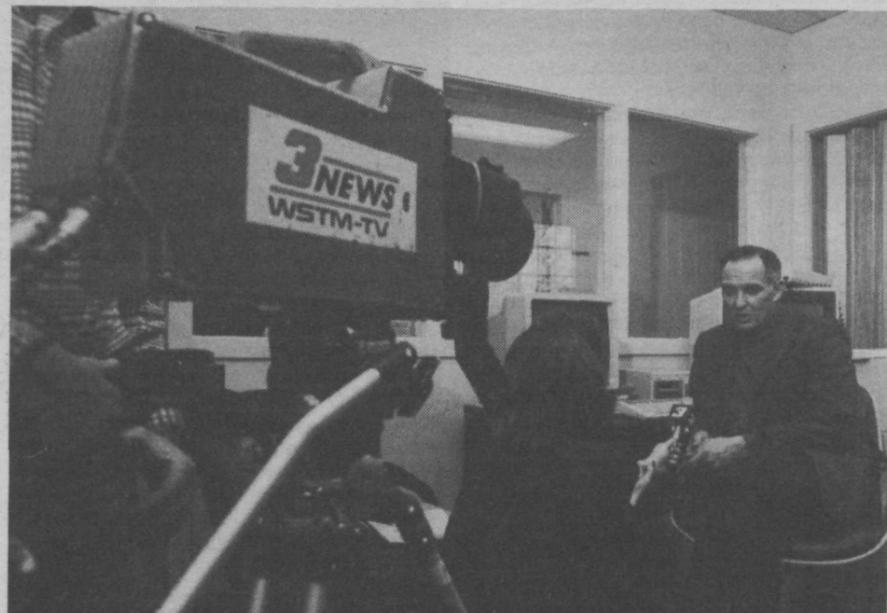
-- Day Hall is open for official business from 7 a.m. to 5 p.m., Monday through Friday, except for university holidays and other occasions when the building is officially closed. Some offices inside Day Hall, such as the bursar and financial aid offices, close at 4:30 p.m. daily.

-- After regular business hours, the building may be used for official purposes only.

-- Persons are not permitted to enter or remain in the building except to transact business.

According to the policy, "Persons who enter or remain in Day Hall for purposes other than the transaction of official business may be asked to leave. Persons who refuse to comply with such directions by a clearly identifiable university official will be subject to prosecution under appropriate university regulations and/or the penal law of the State of New York."

Gurowitz said that individuals who are not conducting business in Day Hall "will not be allowed to congregate or remain in or to sit or lie down on the floors of the building at any time."



Donald P. Greenberg, director of the Program of Computer Graphics, explains to media representatives last week the research agreement between the university and Digital Equipment Corp. to provide up to \$5.5 million in equipment and support to develop high-quality computer graphics that researchers can use to interact simultaneously with a simulation.

Arecibo's 'Eye' Spots New Super-Fast Binary Pulsar

Princeton University astrophysicists scanning the sky with the Arecibo Observatory's radio telescope have discovered a new super-fast binary pulsar.

Named PSR 1855 09, the binary pulsar is the fastest of six now known to astronomers. It sends out highly regular "beeps" of radio noise every 5.362 thousandths of a second.

Arecibo Observatory, the world's largest radio-radar telescope, is part of the National Astronomy and Ionosphere Center and is operated by Cornell under contract with the National Science Foundation. Facilities of NAIC are available for use by qualified scientists from any institution.

Measurements made at Arecibo Observatory during the past several weeks show that signals from the new pulsar are strong and sharp enough to be used as a natural clock of extraordinary precision. Only one other known pulsar can be timed so precisely — to an accuracy of a millionth of a second or better. Like the ticks of a clock, the pulses can be compared with man-made time stan-

dards, such as the atomic clocks maintained by the National Bureau of Standards and the U.S. Naval Observatory.

More than 400 pulsars are now known. They are rapidly rotating neutron stars, the collapsed remnants from supernova explosions of massive stars that have exhausted their nuclear fuel and become unstable.

Binary pulsars are those with orbiting companion stars. The newly discovered pulsar is moving, in a gravitationally bound orbit, around the other star every 12.3 days.

The pulsar was discovered as part of Ph.D. dissertation research of Princeton graduate student David Segelstein, working under the direction of Joseph Taylor, professor of physics. Observations confirming the discovery and making more precise measurements were by those two, together with David Stinebring, assistant professor of physics; Aleksander Wolszczan, staff scientist at the Arecibo; and Lloyd Rawley, another Princeton graduate student.

'South Africa-Free' Option Added to Retirement Plan

Cornell will add a "South Africa-free" option to its voluntary supplemental retirement program for employees, effective April 1.

The Dreyfus Third Century Fund will be offered in addition to the investment vehicles of four other firms, including insurance company and mutual fund options.

Cornell Senior Vice President William G. Herbster said the university decided to explore a "social concern" option so that "faculty and staff could have the opportunity to invest their own money in such a portfolio, if they so wish."

The 10-member Tax-deferred Alternatives Committee, which includes employees and administrators, has been exploring the possibility of such an option for about six months.

The committee looked at several funds, Herbster said, and concluded that the Dreyfus option "represented the best balance between size, overall investment management competence, and quality of alternative funds offered."

Established in 1972, the Dreyfus Third Century Fund uses social awareness criteria such as environmental protection, occupational health and safety, purity of consumer products, and equal employment opportunities.

As of Oct. 1, 1985, the Dreyfus option be-

gan eliminating holdings in companies operating in South Africa. According to information provided by Dreyfus, the fund could be completely free of shares of companies doing business in South Africa by spring, but no later than Oct. 1, 1986.

Cornell's tax-deferred plan allows employees, on a voluntary basis, to augment the basic pension plan provided by the university. Approximately 2,400 Cornell employees have supplemental retirement accounts.

Marilyn Paluba, manager of employee benefits here, said that more than 20 tax-deferred options in four firms are now offered, including a fund comprised of U.S. Treasury bills and short-term bonds that, by its nature, is free of investments in companies doing business in South Africa. Four employees are enrolled in the program offered by Fidelity Group, she said.

Employee information sessions related to the new option will begin in mid-March, Paluba said. Other funds offered by Dreyfus are being considered, she added, but no decision will be made until these funds are investigated.

Off-Campus Life Notes

Concerned about where you will live next year? Watch for announcements about the "Moving Off Campus" slide show to be offered in the dorms Jan. 27 - Feb. 5. This show will cover your responsibilities as a tenant and give you tips to make your house hunting easier. You can get additional information about living off campus by attending the Off-Campus Housing Fair, Feb. 6, 10 a.m. to 3 p.m., in the Willard Straight Hall Memorial Room. This provides an opportunity to meet and talk with landlords, utility companies, City of Ithaca officials and have concerns and questions about off-campus living answered.

The Colletown Neighborhood Council is back in full swing and wants more student involvement! Persons concerned about the quality of life in Colletown should watch the Daybook and Chronicle for announcements of its next meeting.

How do you feel about the new drinking age? Are you wondering what will happen in Colletown because of these changes? Are you satisfied with the quality of your off-campus housing? The Off-Campus Life Committee will be examining these issues this semester and needs input.



Central Heating Plant Produces Billion Pounds of Steam a Year

Banging on the pipes for heat won't catch the attention of the "super" at the sprawling 740-acre complex that is Cornell's main campus.

First, the crew at the Central Heating Plant wouldn't hear the banging above the roar of the boilers.

Second, their sophisticated system is much more responsive to the twisting of a radiator valve or the nudging of a thermostat.

Producing and delivering one billion pounds of steam a year to 300 buildings through 25 miles of underground lines is a year-round job for the facility that sits at the base of an Ithaca landmark -- the twin smokestacks east of campus along Route 366.

Most of the steam serves to warm dormitories, classrooms, laboratories, and offices. But it also heats tap water, warms food in dining halls, and sterilizes surgical instruments in the veterinary college and soil in the agriculture college.

At the heating plant — the university's most appreciated utility this time of year — six massive boilers are capable of turning up to 685,000 pounds of water into steam. That capacity is comfortably above the recorded high peak demand of 380,000 pounds, set on a windy day in the winter of 1979 when the temperature reached 10 below. The average cold-weather steam load is 250,000 pounds per hour.

About 50,000 tons of coal, 200,000 gallons of oil, and 270 million cubic feet of natural gas are used to heat Cornell each year. Two coal boilers can also burn wood chips.

Lately, coal has been the most economical fuel, and provides about 75 percent of the heat. Not even the ashes are wasted; they are pulled from the boilers by powerful vacuum systems and spread on icy roads by local municipalities.

Several million dollars worth of pollution controls installed in the last decade clean the smoke so that most of the plume visible above the twin stacks on chilly mornings is just water vapor.

An annual fuel bill that would stagger most homeowners — about \$5 million — has been relatively stable during the past few years, despite rising fuel costs, said Karl Garlock, manager of the heating plant. He notes that the energy produced could heat 12,000 Ithaca homes.

Some savings are due to increased boiler efficiency and other improvements at the plant, Garlock said. Others result from the energy conservation measures taken by the university when buildings are constructed or renovated.

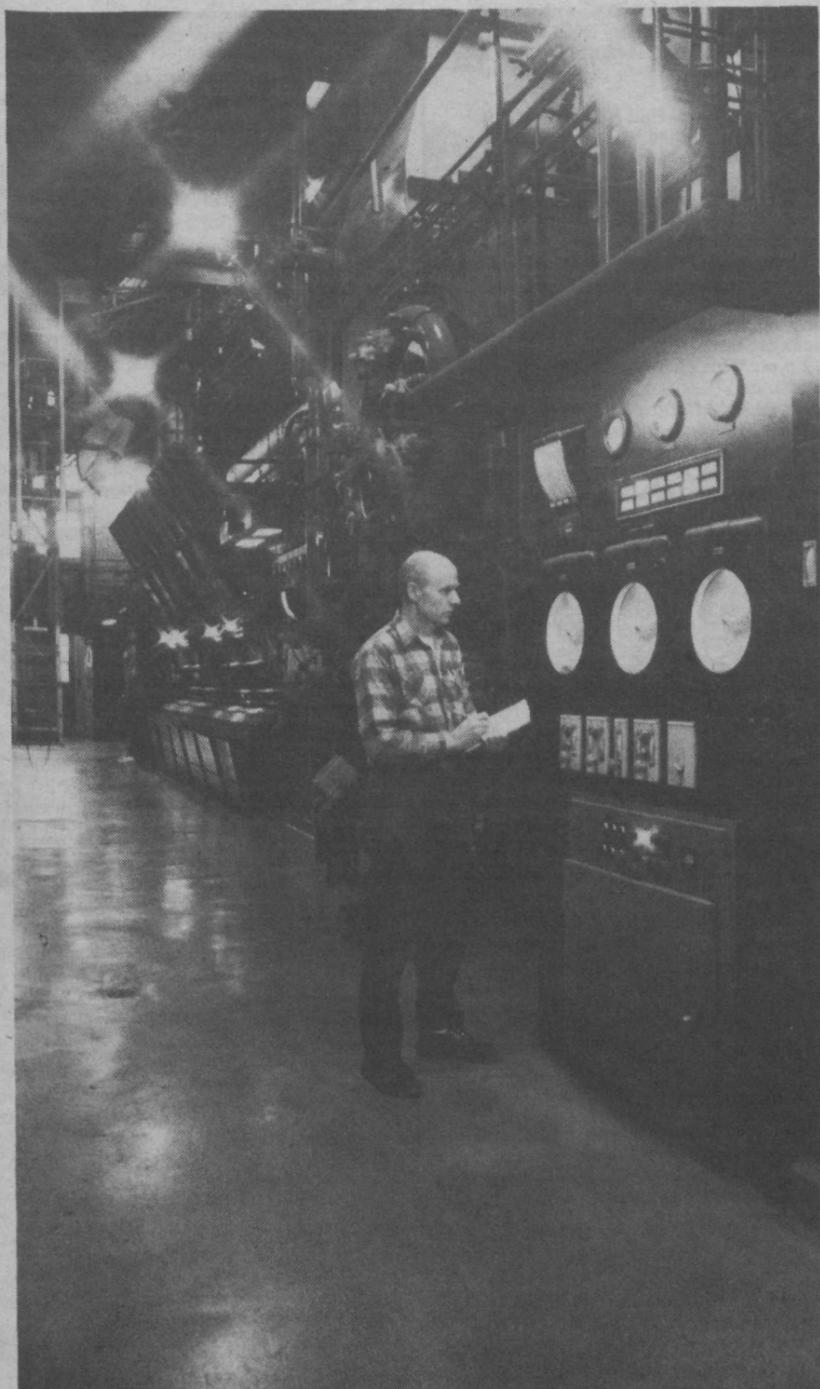
Cornell's heating system will become even more efficient this year with the addition of state-of-the-art cogeneration equipment. High-pressure steam from the boilers will turn turbines and electric generators before entering the heating system, producing about \$1.2 million worth of electricity a year.

Furthermore, a computer-based control system to be installed this year will optimize the mix of fuel sources while increasing combustion efficiency of the boilers. An additional \$400,000 is expected to be saved in the first year of operation.

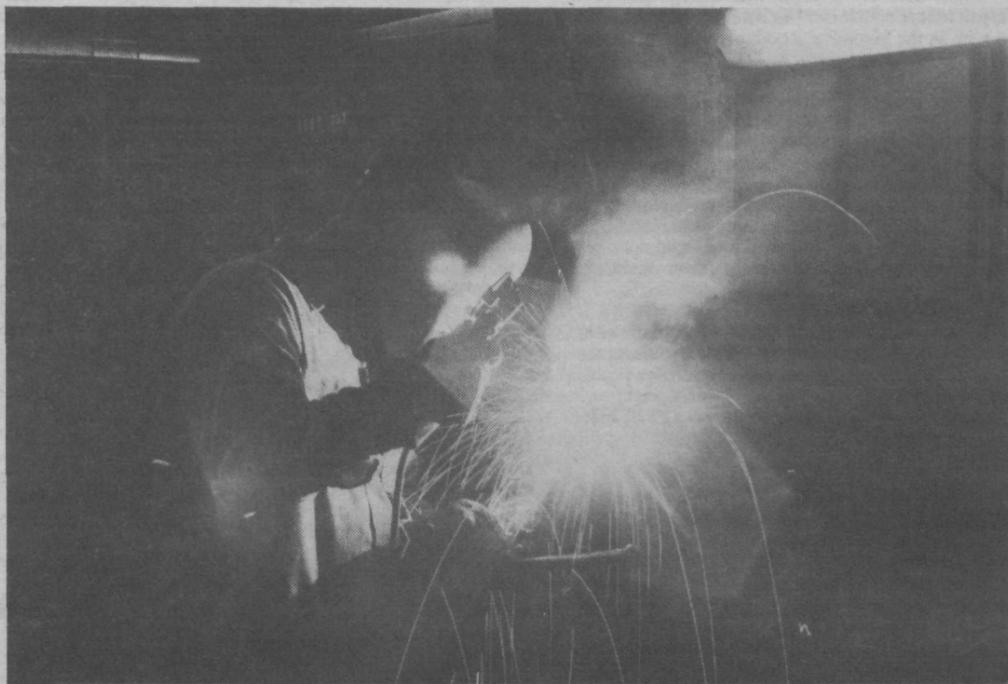


Framed by a familiar Ithaca landmark, the twin stacks of Cornell's Central Heating Plant, is Plant Manager Karl Garlock. The enclosed conveyor at left carries coal to the boilers.

Photos by Charles Harrington



The efficiency of an oil-fired boiler is monitored by Hans van Binsbergen, assistant manager of the heating plant.



Karl Gustafson, a senior mechanic and welder, repairs a pressure pipe for the steam system.



Testing hardness of water for the steam system is the responsibility of Mike Carberry, a water treatment plant technician.

Calendar

All items for publication in the Calendar sections, except for Seminar notices, must be submitted (typewritten, double spaced) by mail or in person to Fran Apgar, Central Reservations, 531 Willard Straight Hall at least 10 days prior to publication. Seminar notices should go to the Chronicle office, 110 Day Hall. Items should include the name and telephone number of a person who can be called if there are questions, and also the subheading of the calendar in which it should appear (lectures, colloquia, etc.) ALL DEADLINES WILL BE STRICTLY ENFORCED.

*—Admission charged.

Announcements

E.A.R.S.

On behalf of Empathy, Assistance and Referral Service, fondly known as E.A.R.S., We are happy to announce that we have recently expanded our hours. Friday hours have been extended from 7-11 p.m. to 5-11 p.m. Our regular hours Sunday through Thursday, 3-11 p.m. and Saturday, 7-11 p.m.

E.A.R.S. provides short-term peer counseling on a walk-in as well as telephone basis; we are located in Willard Straight Hall, room 211, and our phone number is 256-EARS. All services are free and completely confidential. As ever, E.A.R.S. counselors look forward to being of support to all members of the Cornell community.

Tours of Olin Library

The Olin Reference Department will provide tours of Olin Library during the first two weeks of the spring semester for new and returning faculty, graduate student, and interested staff. They last approximately 45 minutes. Meet in the lobby, across from the circulation desk, at the following times: Jan. 30, 3:05 p.m.; Jan. 31, 9:30 a.m. For more information, please call 256-3319. Alternatives Library

Learn how to weatherproof your home, and heat it more effectively this winter. Books and periodicals available at the Alternatives Library, Anabel Taylor Hall. Free, and open to the public.

Experimental College Registration

Registration for Experimental College non-credit leisure courses will be held Feb. 2-5, from 6-8 p.m. in the Memorial Room of Willard Straight Hall. Lines forming prior to 4:45 p.m. on any day will be dispersed.

Different courses will be registered. Late registration will be held Feb. 6 & 7, from 9 a.m. to 3 p.m. in Room 538, Willard Straight Hall.

Brochures listing complete course descriptions and registration details are available at the Day Hall Information and Referral Center, Noyes Center, Robert Purcell Union and Willard Straight Hall on the Cornell campus and the Tompkins County Public Library downtown. Call 256-7131 for more information.

Personal Effectiveness Seminar

Eight-week personal development program with Let Davidson, Ph.D., builds self-awareness, confidence, integrity, responsibility, creativity, vitality, relaxation and peace of mind. Meets eight Tuesdays, 7-10 p.m., begins February 4. Call 272-4131. Co-sponsored by Transformation Workshops and CRESP.

Making Relationships Work

An eight-week workshop with Let Davidson, Ph.D. on creating loving and satisfying relationships, for individuals and couples. Meets eight Thursdays, 7-10:30 p.m., begins February 6. Call 272-4131. Co-sponsored by Transformation Workshops and CRESP.

English as a Second Language

A program for visiting scholars, Feb. 10-Mar. 20, 1986. A six-week noncredit course will be offered at Cornell for visiting academicians who seek improvement in any basic English language skills, particularly speaking and listening comprehension. All language-learning activities will be oriented toward what will be most useful to the scholars during their stay here. Practice in speaking and pronunciation will include informal conversation activities, formal presentations, and individual help with pronunciation problems.

Classes meet on campus 4:30-6:30 p.m. Monday through Thursday, Feb. 10 through Mar. 20, 1986. In addition to the eight hours of weekly classroom instruction, individual consultations will be scheduled.

The program fee is \$400. Registrations must be submitted by 4:30 p.m. Friday, February 7. For registration information, contact Patricia Updike, B12 Ives Hall, 256-7259. For more information about the course, contact the instructor, Mary K. Redmond, 323 Morrill Hall, 256-8288.

Tours of Uris and Olin Libraries

Undergraduate tours of Uris and Olin Libraries will occur through Friday, Jan. 31. Interested persons should meet at the Uris Circulation Desk at the following days and times: Thurs., Jan. 30, 10:10 a.m.; Fri., Jan. 31, 11:15 a.m. Uris Library tours last 30 minutes and then continue in Olin Library. Handicapped students needing special tours should call 256-2339.

Writing Workshop

Writing Workshop Walk-in Service. Free tutorial instruction in writing. Mon.-Thurs., 3:30-6 & 7:30-10 p.m.; Sun. 3-8 p.m. 174 Rockefeller Hall and Sun.-Thurs. 10 p.m.-midnight in 340 Goldwin Smith Hall.

Off-Campus Housing Fair

Fair will be held Thursday, February 6, 10 a.m.-3:30 p.m., Willard Straight Memorial Room. Fair will feature exhibits, displays and information concerning housing options for next year, transportation, utility costs, energy conservation, land-

lord-tenant relations, consumer issues, crime prevention and fire safety. Call 256-5373 for further information.

Intramural Skiing (Giant Slalom): (Men, Women, Co-ed)
Deadline on entries is Wednesday, Feb. 12 at 4 p.m. in the Intramural Office, Helen Newman Hall. Minimum of 4 to enter-3 must finish to score as a team. Co-ed: equal number of men and women to enter. First man and women to finish will score. Entry fee due with your entry before the deadline to enter.

Date of race is Friday, March 7. Please stop in the Intramural Office for further details: fees, slope, time, etc. Details will be available about Feb. 3.

Alternatives Library

Explore the world of herbal medicines, nature's way of healing. Books on loan at the Alternatives Library, Anabel Taylor Hall. Free and open to the public.

Alcoholics Anonymous

Faced with a drinking problem? Perhaps Alcoholics Anonymous can help.

Open AA meeting-Monday through Thursday 12 noon in Anabel Taylor Hall.

Mon., Tues., Thurs.-Forum; Wed.-Room 314.

Personal Growth Workshops

New series begin the week of February 10. Topics include Assertiveness, Building Self-Esteem, Building Satisfying Relationships, Stress Management, General Personal Growth, Women, Food and Self-Esteem, Coming Out (for Men) Lesbian? Bisexual? A support group for women, Overcoming Writers' Block (for graduate students only) and New Freshman and Transfer support groups.

Free, confidential. Open to all members of the Cornell community.

Emphasis is on learning new skills and concepts. Signups begin Thurs., Jan. 30. For more information or to sign up call 256-3608 or stop by 103 Barnes Hall.

Dance

Cornell Jitterbug Club

The Cornell Jitterbug Club meets every Wednesday, 7:30-9:30 p.m. in Anabel Taylor Edwards Room. Instruction given.

Israeli Folk Dancing

Dancing will be held on Thursday evenings at 8 p.m. in the One World Room of Anabel Taylor Hall. Beginners and experienced dancers welcome. Dancing will resume Jan. 30.

Jazz Exercise

Adult Jazz Exercise Dance Class. Tuesdays and or Thursdays, 7-8 p.m. Call 256-4231 mornings, or 257-5677 for further information.

International Folkdancers

The Cornell Folkdancers meet in the North Room of Willard Straight Hall on Sundays, throughout February. Instruction from 7:30-8:30 p.m. followed by request dancing till 10:30 p.m. Free; beginners welcomed, no partners needed. For more information call 256-7149 or 257-3156.

Exhibits

Herbert F. Johnson Museum

"Idea Mechanica" through Feb. 16; "New York State Artists V" through Mar. 16; "Hans Hinterreiter" through Mar. 23. The Museum is located on the corner of University and Central Avenue. Museum is open Tuesday through Sunday, 10 a.m.-5 p.m. Admission is free. Please call 256-6464 for further information.

Films

Phantom of the Opera Feb. 8

The Tompkins County Arts Council and Cornell Cinema will present the silent film classic, "The Phantom of the Opera," on Saturday, Feb. 8 at 9 p.m. in Statler Auditorium. The 19-piece Eastman-Dryden Orchestra, composed of selected students from the internationally acclaimed Eastman School of Music in Rochester, will provide musical accompaniment. Conducting the orchestra will be Donald Hunsberger, professor of conducting and ensemble at the Eastman School and conductor of the Eastman Wind Ensemble.

The high-quality 35mm print of "The Phantom" comes from the film collection of the International Museum of Photography at George Eastman House, which currently houses more than 5,000 motion pictures from 1895 to the present, with a main emphasis on silent era films. Dr. John Kupier, film director at the International Museum of Photography will introduce the film.

Preceding the showing, ticketholders are invited to a champagne reception, beginning at 7:30 p.m., in the Statler lobby.

Tickets for this special Eastman evening are \$8, \$10, and \$12, and are available at Borealis Bookstore, McBooks, Rebob Records, Ithaca Guitar Works, and Cornell Cinema's Uris Box office (starting January 27; open noon-4 p.m., Mon-Fri.). All seats are reserved and no passes will be accepted. For more information, call the Tompkins County Arts Council at 277-4906.

Unless otherwise noted films are sponsored by Cornell Cinema.

Thursday

Jan. 30, 8 p.m. *Uris Hall Auditorium. "O Lucky Man" (1973), directed by Lindsay Anderson, with Malcolm MacDowell and Sir Ralph Richardson.

Friday

Jan. 31, 7:15 p.m. *Statler Auditorium. "La Traviata" (1983), directed by Franco Zeffirelli, with Teresa Stratas, Placido Domingo, and Cor-

nell MacNeil. Co-sponsored with Ithaca Opera. Jan. 31, 9:45 p.m. *Statler Auditorium. "The Sure Thing" (1958), directed by Rob Reiner, with John Cusack and Daphne Zuniga.

Jan. 31, 10 p.m. *Uris Hall Auditorium. "Das Boot" (1981), directed by Wolfgang Peterson, with Jurgen Prochnow.

Jan. 31, midnight *Statler Auditorium. "Quadruphenia" (1979), directed by Franc Roddam, with Phil Daniels, Sting and The Who.

Saturday

Feb. 1, 7:30 p.m. *Uris Hall Auditorium. "The Sure Thing."

Feb. 1, 8 p.m. *Anabel Taylor Auditorium. "Das Boot."

Feb. 1, 9:30 p.m. *Uris Hall Auditorium. "La Traviata."

Feb. 1, midnight *Uris Hall Auditorium. "Quadruphenia."

Sunday

Feb. 2, 2 p.m. *Uris Hall Auditorium. "You Can't Take It With You" (1938), directed by Frank Capra, with Jimmy Stewart, Jean Arthur, and Lionel Barrymore.

Feb. 2, 2 p.m. Johnson Museum. "Revising Romance: Domestic Drama." Films shown: "Soap" (1982), directed by Deans Keppel, "House" (1982), directed by Ann-Sargent Wooster, and "Lesson 1" (1981), directed by Barbara Broughel.

Feb. 2, 8 p.m. *Uris Hall Auditorium. "You Can't Take It With You" (1938), directed by Frank Capra, with Jimmy Stewart, Jean Arthur, and Lionel Barrymore.

Monday

Feb. 3, 9 p.m. *Uris Hall Auditorium. "Citizen Kane" (1941), directed by Orson Welles, with Orson Welles and Joseph Cotton. Admission with Film Club pass or ticket purchased at the door.

Tuesday

Feb. 4, 4:30 p.m. Uris Hall Auditorium. "Forbidden Games" (1952), directed by Rene Clement with Brigitte Fossey and Georges Poujouly. Co-sponsored with Romance Studies Dept.

Feb. 4, 8 p.m. *Uris Hall Auditorium. Guest filmmaker: George Stoney presents the best of national "Public Access Video."

Wednesday

Feb. 5, 8 p.m. *Uris Hall Auditorium. "Allan Boesak: Choosing for Justice" (1984), directed by Hugh Cassier and Nadine Goddimer, narrated by James Earl Jones. Shown with "A Chip of Glass Ruby" (1983). Co-sponsored with Centerpeace.

Friday

Feb. 7, 8 p.m. *Statler Auditorium. "Repo Man" (1984), directed by Alan Cox, with Emilio Estevez, Tracey Walter, and Harry Dean Stanton.

Feb. 7, 10 p.m. *Uris Hall Auditorium. "Streetwise" (1984), directed by Martin Bell. Documentary.

Feb. 7, 10:15 p.m. *Uris Hall Auditorium. "St. Elmo's Fire" (1985), directed by Joel Shumacher, with Rob Lowe, Emilio Estevez, Ally Sheedy, Andrew McCarthy, Demi Moore.

Saturday

Feb. 8, 8 & 10:30 p.m. *Uris Hall Auditorium. "St. Elmo's Fire."

Feb. 8, 12 midnight. *Statler. "Repo Man."

Sunday

Feb. 9, 2 p.m. Johnson Museum. "Revising Romance: Revisionist Romance." Free and open to the community. Co-sponsored by CCPA.

Feb. 9, 2 p.m. *Uris Hall Auditorium. "The Yellow Submarine" (1968), directed by George Dunning, with the voices of the Beatles. Co-sponsored by The Ithaca Youth Bureau.

Feb. 9, 8 p.m. *Uris Hall Auditorium. "Vertigo" (1958), directed by Alfred Hitchcock, with Jimmy Stewart and Kim Novak.

Lectures

Thursday

Jan. 30, 4:30 p.m. Goldwin Smith 177. "On the Shape of Apocalypse in Modern Russian Fiction: Towards a Typology," Professor David Bethea, Department of Slavic Languages, University of Wisconsin at Madison.

Sponsored by the Department of Russian Literature.

Friday

Jan. 31, 4 p.m. Goldwin Smith 177. "Die Marquise von O": Preconception and Aftermath in Heinrich von Kleist and Eric Rohmer," Brigitte Peucker, Associate Professor of German, Yale University.

Sponsored by Department of German Literature.

Monday

Feb. 3, 4:30 p.m. Goldwin Smith 177. Professor Robin Feuer Miller, Department of Slavic Studies, Brandeis University. Topic to be announced.

Sponsored by Department of Russian Literature.

Thursday

Feb. 6, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. Messenger Lecture Series: "Culture and Imperialism." Lecture 1. "Overlapping Territories, Intertwined Histories," Edward W. Said, Parr Professor of English and Comparative Literature, Columbia University.

Friday

Feb. 7, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. Messenger Lecture Series: "Culture and Imperialism." Lecture 2. "Consolidated Vision," Edward W. Said, Columbia University. Music

Music

Every Sunday

Anabel Taylor Edwards Room, 9 p.m. Sing with the "Makhela: Hebrew Choir."

January 1986						
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



Music Director Michael Gielen and pianist Peter Serkin will perform the Brahms Piano Concerto No. 1 with the Cincinnati Symphony Orchestra at 8:15 p.m. Tickets are on sale at the Lincoln Hall through the day of the performance. If you need more tickets, call the box office.

Cincinnati Symph

The next concert in the Bailey Hall series will be Tuesday, Feb. 4, with the Cincinnati Symphony Orchestra conducted by Michael Gielen and with Peter Serkin as piano soloist.

The program will include Beethoven's Symphony No. 6 Pastoral and the Piano Concerto No. 1, Op. 15 by Johannes Brahms.

The Cincinnati Symphony celebrated its 90th season last year, the fifth oldest orchestra in the United States. Among the conductors whose contributions have brought the orchestra to its present eminence were Leopold Stokowski, Fritz Reiner, Max Rudolf and Thomas Schippers.

Gielen, music director of the orchestra for the past six years is also the artistic director

Friday

Jan. 31, 8:15 p.m. Barnes Hall. Martin Goldray, piano. 20th century music. Sponsored by Cornell Council of the Creative and Performing Arts.

Saturday

Feb. 1, 3 p.m. *Johnson Museum. Pianist and composer Ryk Buter will give a solo concert, "Intimate Improvisations." For more information call 256-6464.

Feb. 1, 8 p.m. *Statler Auditorium. Tom Paxton with special guests Guy Van Duser and Billy Novick. Sponsored by Balinck Productions and Commons Coffeehouse. Tickets available at the Ithaca Guitar Works, Commons Coffeehouse and Rebob Records.

Sunday

Feb. 2, 8-11 p.m. Anabel Taylor Commons Coffeehouse. Bound for Glory broadcast live on WVBR FM 93 featuring Skip West, a high-energy songwriter, in his first Bound for Glory broadcast.

Tuesday

Feb. 4, 8:15 p.m. *Bailey Hall. Faculty Committee on Music Concert featuring Cincinnati Symphony Orchestra.

Friday

Feb. 7, 7:30 p.m. *Anabel Taylor Auditorium. "Legends of Irish Music" featuring Kevin Burke, Jackie Daly, Andy Irvine, and Gerry O'Beirne. Tickets available in advance at the Commons Coffeehouse, Borealis, Rebob Records, and Guitar Works.

Saturday

Feb. 8, 8:15 p.m. Barnes Hall. Department of Music presents Noel Lee, piano. Works of Schubert, Gottschalk, Griffes, Lee, Debussy.

Sunday

Feb. 9, 4 p.m. Barnes Hall. Noel Lee, piano. Bound for Glory broadcast live on WVBR FM 93 featuring Ithaca's own Tompkins County Horseflies.

Feb. 8, 8:30 p.m. *Goldwin Smith Kaufmann Auditorium. Cornell Folk Song Club presents Ed Trickett, a performer known as a "folksinger's folksinger."

Pianist, Composer to Give Concert

Pianist and composer Ryk Buter will give a solo concert, "Intimate Improvisations," at the Herbert F. Johnson Museum of Art at 3 p.m. Saturday, Feb. 1.

February	1986					
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Peter Serkin in rehearsal. Concerto No. 1 with Gielen and the Tuesday, Feb. 4, in Bailey Hall. Office from 9 a.m. to 1 p.m. Tickets are left they will be sold the

Why Here Feb. 4

the Frankfurt Opera in his native Germany. Gielen made his American debut in 1971 with the New York Philharmonic. Since then he has appeared as guest conductor with the Chicago, Pittsburgh, Detroit, Minnesota and National Symphony Orchestras, and has toured extensively in Europe. American pianist Serkin was born in New York City in 1947. His musical heritage extends back several generations. His grandfather was the violinist and composer Adolf Busch, and his father Rudolf Serkin is one of the leading pianists of our time. Peter Serkin made his first public appearance at the Marlboro Music Festival in 1959. Since then he has played with the world's major symphony orchestras and is especially recognized for his interpretations of the works of Mozart.

Buter, 22, began playing piano at age 7, eventually winning local competitions in and around his native city of Baltimore, Md. He continued studying piano at Ithaca College. For the last two years, he has been composing music for performance art pieces, films, and videos, and has choreographed five modern dances. "Intimate Improvisations" was inspired by Keith Jarrett's solo piano Koln Concerts. Buter aims to use the piano to explore technique and express moods and feelings. It is the first work in what will be a cycle of performance art pieces. Admission is \$2.50 (\$2.00 for Johnson Museum members). For more information call 256-6464.

Pianist Noel Lee in Concert
Noel Lee, pianist, will give a free public recital in Barnes Hall at 8:15 pm Saturday, Feb. 8. Lee's program includes "Schubert's Sonata in F minor," Charles Griffes' (born in Elmira 1884) "Scherzo," N. Lee's "Chroniques," "Six Studies" by Debussy and three pieces by L.M. Gottschalk. After studying at Harvard and at the New England Conservatory of Music, Lee went to Paris to continue his education under Nadia Boulanger and took up residence in that city. Among the many honors he has received is one from the American Academy of Arts and Letters for his creative work in general, and in recent years the Ministère des Affaires Culturelles has given him two important commissions - an unusual distinction for a composer not of French nationality. Among his compositions are several orchestral and choral works, ballets, concerti, song cycles, and numerous compositions for solo piano and chamber ensembles. As pianist he has toured on six continents and has recorded more than 130 LPs.

In the United States Lee has been a visiting pianist and professor at Brandeis and Cornell Universities and Dartmouth College. He is currently a visiting professor of piano at Cornell.

Religious Services

Friday
Jan. 31, 6:30 p.m. Anabel Taylor One World Room. Shabbat Dinner with Paul and Rachel Cowan. The dinner is by reservation Hillel Of-

rice, G-34 Anabel Taylor Hall, 6-4227. The lecture is at 8 p.m. on "Identity, Inter-marriage, Conversion."

Saturday

Feb. 1, 12:15 p.m. Anabel Taylor One World Room. Shabbat lunch with Paul and Rachel Cowan. At 1:30 p.m. the Cowans will lead a workshop—discussion on "Identity, Inter-marriage, Conversion."

Monday

Feb. 3, 7:30 p.m. Anabel Taylor G-34. Zionism 101.

Tuesday

Feb. 4, 8 p.m. Anabel Taylor Room 314. Basic Judaism.

Wednesday

Feb. 5, 12 noon. Anabel Taylor Founders Room. Jewish Women's Discussion Group. Religious Services

Catholic

Every Saturday, 5:00 p.m. Anabel Taylor Auditorium. Mass.

Every Sunday, 9:30, 11 a.m., 5 p.m. Anabel Taylor Auditorium. Mass.

Mon.-Fri., 12:15 p.m. Anabel Taylor Chapel. Daily Mass. Christian Science

Every Thurs., 7 p.m. Anabel Taylor Founders Room.

Episcopal (Anglican).

Every Sunday, 9:30 a.m. Anabel Taylor Chapel.

Jewish

All services will resume Friday, Jan. 24.

Every Friday, 5:30 p.m. Anabel Taylor Founders Room. Shabbat Services

(Conservative—Egalitarian).

Every Friday, 5:30 p.m. Anabel Taylor Chapel. Shabbat Services (Reform).

Every Friday, 5:30 p.m. Young Israel House, 106 West Ave. Shabbat Services (Orthodox).

Every Saturday, 9:15 a.m. Anabel Taylor Edwards Room. Shabbat Services (Orthodox). Kiddush to follow.

Every Saturday, 10 a.m. Anabel Taylor Founders Room. Shabbat Services (Conservative—Egalitarian). Kiddush to follow.

Korean Church

Every Sunday, 3 p.m. Anabel Taylor Chapel.

Muslim

Monday-Thursday, 1 p.m. Anabel Taylor 218.

Friday, 1 p.m. Anabel Taylor Edwards Room.

Protestant

Every Sunday, 11:15 a.m. Anabel Taylor Chapel. Protestant Cooperative Ministry.

Sunday

Feb. 2, 11 a.m. Sage Chapel. Speaker: Gail Riina, Assistant Director, Cornell United Religious Work.

Sunday

Feb. 9, 11 a.m. Sage Chapel. Speaker: Edward Braxton, Catholic Chaplain, University of Chicago (Festival of Black Gospel).

Seminars

Applied Mathematics: Special Year in Numerical Analysis, three lectures by Randolph E. Bank, University of California, San Diego, all at 4 p.m. at places and days specified. "Algorithms and Data Structures for Adaptive Local Mesh Refinement," Tuesday, Feb. 4, 218 Olin Hall; "An A-posteriori Error Estimator for Elliptic Finite Element Equations," Wednesday, Feb. 5, 218 Olin Hall; "The Multi-Level Iterative Method," Friday, Feb. 7, 165 Olin Hall.

Archaeology: "Dark Age Cities; Yes or No?: The Mediterranean 400-650 A.D.," David Whitehouse, director, Corning Museum of Glass, 4:30 p.m. Friday, Jan. 31, Hollis E. Cornell Auditorium of Goldwin Smith Hall.

Biochemistry, Molecular and Cell Biology: "Conformational Analysis of Polypeptides and Proteins," Harold A. Scheraga, Chemistry, Cornell, 4:30 p.m. Friday, Jan. 31, 204 Stocking.

Chemistry: "Intramolecular Dynamics," Stuart A. Rice, University of Chicago, 11:15 a.m. Thursday, Jan. 30, Baker 200.

Immunology: "Probing the Acetylcholine Receptor with Monoclonal Antibodies," Dr. Jon Lindstrom, Salk Institute, San Diego, 12:15 p.m. Friday, Jan. 31, G-3 Veterinary Research Tower.

History and Philosophy of Science and Technology:

"Technology Transfer from the United States to Europe in the 19th Century — Carl Culmann and the Development of Bridge-Truss Analysis," Tom F. Peters, associate professor, Department of Architecture, Cornell, 4:35 p.m. Wednesday, Feb. 5, 165 McGraw Hall.

Mechanical and Aerospace Engineering: "Experiments and Approximate Analyses for Buoyancy Drive Flows," Prof. George Raithby, University of Waterloo, Canada, 4:30 p.m. Tuesday, Feb. 4, 282 Grumman.

Pharmacology: "Quantitative Imaging Optical Microscopy: Its Application to (a) Individual Ligand-Receptor Dynamics and (b) Membrane Potential," David Gross, Applied and Engineering Physics, Cornell, 4:30 p.m. Monday, Feb. 3, D101L Schurman Hall.

Plant Breeding: "Chemical Analysis in Crop Improvement," Dick A. Ave, senior research associate, Plant Breeding, Cornell, 12:20 p.m. Tuesday, Feb. 4, 135 Emerson Hall.

Plant Pathology: "Cytology of Postharvest Control of Brown Rot of Peaches by *Bacillus Subtilis*," Beth Hazen, 4:30 p.m. Tuesday, Feb. 4, 404 Plant Science.

Plasma Studies: "X-Ray Measurements in Laser Fusion," Barukhi Yaakobi, 4:30 p.m. Wednesday, Feb. 5, 1282 Grumman Hall.

Poultry Biology: "Processing and Shelf Life Stability of Three Species of Canned Fish," Maria Dulce Paredes, Poultry and Avian Sciences, Cornell, 4:30 p.m. Thursday, Jan. 30, 300 Rice Hall.

Statistics: "Stochastic Models for Paired Comparison Experiments," Prof. Roger Davidson, Mathematics, University of Victoria, B. C., Canada, 3:45 p.m. Wednesday, Feb. 5, 100 Caldwell Hall.

Vegetable Crops: "Research Challenges, Opportunities and New Horizons," Norman R. Scott, director of research, CALS, 4:30 p.m. Thursday, Feb. 6, 404 Plant Science.

Sports

Friday

Jan. 31, 5 p.m. Helen Newman. Men's J.V. Basketball-Ithaca College.

Jan. 31, 7:30 p.m. . . Barton. Men's Basketball-Princeton.

Jan. 31, 7:30 p.m. Oxley Polo Arena. Women's Polo-Connecticut.

Saturday

Feb. 1, 2 p.m. Helen Newman. Women's Gymnastics-Massachusetts.

Feb. 1, 7:30 p.m. . . Barton. Men's Basketball-Pennsylvania.

Feb. 1, 8:15 p.m. Oxley Polo Arena. Men's Polo-Connecticut.

Sunday

Feb. 2, 2 p.m. . . Lynah. Men's Hockey-Princeton.

Wednesday

Feb. 5, 7:30 p.m. Lynah. Women's Hockey-RIT.

Friday

Feb. 7, 7 p.m. Teagle. Men's Wrestling-Columbia.

Feb. 7, 7:30 p.m. Barton. Women's Basketball-Harvard.

Feb. 7, 7:30 p.m. Oxley Polo Arena. Women's Polo-Virginia.

Saturday

Feb. 8, 11 a.m. Grumman Squash Courts. Men's Squash-Pennsylvania.

Feb. 8, 1 p.m. Teagle. Women's Swimming-Brown.

Feb. 8, 2 p.m. Helen Newman. Women's Gymnastics.

Feb. 8, 2 p.m. Lynah. Men's J.V. Hockey-Welland.

Feb. 8, 4 p.m. Helen Newman. Men's JV Basketball-Jefferson C.C.

Feb. 8, 4 p.m. Teagle. Men's Swimming-Brown.

Feb. 8, 7 p.m. Teagle. Men's Wrestling-Brown.

Feb. 8, 8:15 p.m. Oxley Polo Arena. Men's Polo-Virginia.

Barton Blotter

Computer components and cash totaling \$7,177 in losses were the main targets of thefts on campus, according to the morning reports of the Department of Public Safety for the period Jan. 20 through 26.

A computer with accessories valued at \$5,000 was reported stolen from Thurston Hall and a \$500 computer printer was reported stolen from Uris Hall. Also two computer graphic adapter boards costing a total of \$800 were reported taken from Goldwin Smith Hall.

Ten thefts of cash from wallets and offices totaling \$877 were reported. These included \$265 in a wallet taken from Uris Hall, \$300 in a wallet stolen from Robert Purcell Union, and \$150 in a wallet reported stolen in the Law Library. In addition, a check made out for \$715 was stolen in Barton Hall.

Other thefts reported on campus during the seven-day period included \$1,362 in clothes, jewelry, and other personal possessions taken from the trunk of a car broken open in the parking lot of Robert Purcell Union. Also a \$300 electric welder was taken from Riskey Hall; \$240 in plants were stolen from Sibley Hall, and a backpack with \$341 in various possessions was reported taken from the Campus Store.

A ham valued at \$15 was stolen from a

'Tis Pity' Will Open Spring Season for Theatre Cornell

Theatre Cornell will open its Spring Season with John Ford's " 'Tis Pity She's A Whore" at the Willard Straight Theatre on Thursday, Feb. 13 at 8 p.m. Edward Payson Call, director of this play, describes it as "a decadent drama." " 'Tis Pity... "combines the appeal of a lurid episode of television's Dynasty with some superb poetry."

This classical play, written in poetic form, parodies Romantic love with perveted lust and also deals with corruption within the Church of England. In this fast-paced play the 25-member cast incorporates faculty and community actors as well as Theatre Arts majors and other university students.

Edward Payson Call, founder and former director of the Denver Center Theatre Company, is the first director in the Master-Director-In-Residence Series at Cornell. This program forges new links between Cornell and foremost professional theatre artists by

physics laboratory in Clark Hall. There were a total of 27 thefts reported with losses in cash and valuables set at \$10,642.

Graduate Bulletin

The next regular meeting of the Graduate Faculty will be held at 4 p.m. Friday, Jan. 31, at Sage Graduate Center to approve the provisional degree list from January.

All graduate students must submit course enrollment forms to the Records Office, Sage Graduate Center, by Friday, Feb. 14.

Doctoral students who wish to avoid paying the \$200 active-file fee for the spring term must have met all degree requirements by Feb. 14. That includes filing two acceptable copies of the thesis in the Graduate School office.

Positions are available for head residents, program assistants, and resident advisers in the Graduate Residence Halls for the 1986-87 academic year. Only full-time graduate students are eligible to apply. Applications information will be available beginning Monday, Jan. 27, at the Graduate-Collegetown Area Office in Sage Hall, and may also be obtained during an Information Session at 6:30 p.m. Thursday, Jan. 30, in the Sage Hall Main Lounge. Application deadline is Friday, Feb. 7. For further information, contact the Area Office in Sage Hall (256-5356).

For more information on the fellowships listed below contact the Graduate Fellowship office or your graduate faculty representative.

Feb. 1 — AMERICAN GEOLOGICAL INSTITUTE, Minority Participation Program. Open to graduates and undergraduates; must be U.S. citizen, American-born, a member of one of the indicated ethnic groups. Students in the geosciences must have a good academic record and must be enrolled in or applying for admission to a geoscience degree-granting curriculum at an accredited college or university. Approximately sixty scholarships granted annually.

Feb. 1 — AMERICAN ORIENTAL SOCIETY. A \$6,000 award for study of Chinese painting, and a \$7,000 fellowship for the study of Chinese art. Fellowships cover a period of twelve months from July 1 to June 30; stipends dispensed in monthly payments. Must be U.S. citizen in either doctoral or postdoctoral stage; either men or women; should have completed three years of study of the Chinese language or equivalent.

Feb. 1 — THE PRESIDENT'S COMMITTEE ON MENTAL RETARDATION. A \$5,000 scholarship is being offered for advanced study in the field of mental retardation. Stipulations: Documented 3.0 GPA; documented economic need; must be able to document a significant amount of volunteer activity with mentally retarded persons; must be a U.S. citizen; must provide evidence of good moral character; accepted into a graduate program; a letter of recommendation for the dean of your college.

Feb. 1 — EISENHOWER MEMORIAL SCHOLARSHIP FOUNDATION, INC. Awards from \$1,000 to \$3,000 to encourage principles of individual freedom, limited government, free market economics, and religious orientation. A candidate must be a U.S. citizen. Program is open without regard to race, color, age, sex, or physical disabilities. Must be full-time qualified graduate student.

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The artistic unit set for " 'Tis Pity She's A Whore" is suggestive of Elizabethan Theatre and is designed by Dick Block. Colorful stylized period costumes are designed by Holly Cole. The lighting is by Philip Monat and the original music is by Fred Cohen.

The play will run Feb. 13-15, 20-22, and 27-March 1 at 8 p.m. and February 23 at 2:30 p.m. in the Willard Straight Theatre. Tickets are available at the Theatre Cornell Box Office in 101 Willard Straight Hall from 1-6 p.m. Mondays through Fridays and one hour before all performances. Special group rates are available. For reservations and information call 256-5165.

Number 4

Please Post

January 30, 1986

Please send cover letter and resume to Ralph D. Jones.

Job Number: PA026

Position: Research Support Specialist, III
Department: Nuclear Science and Engineering

Description: Design, construct, and maintain digital and analog electronic laboratory equipment including radiation detectors, nuclear reactor control systems, and minicomputers and microprocessors; assist in software development, activation analysis and other reactor uses.

Requirements: Bachelor's degree or equivalent in electrical engineering or related field. Some experience in digital circuit design and trouble-shooting; experience in activation analysis and in reactor uses desirable. Apply by February 7, 1986 to Cynthia Smithbower.
Job Number: PT024Position: Assistant Director, Club Affairs
Department: Alumni Affairs

Description: Assist Director of Club Affairs in planning overall policies, procedures and goals for Cornell Clubs nationally. Individual will be responsible for maintaining contacts with Regional Directors, Cornell Public Affairs offices and Cornell Club offices; coordinating in-house administration for Cornell Club annual programs and young alumni activities.

Requirements: Bachelor's degree. Strong organizational, interpersonal, communication and writing skills required; some travel required. 3 to 4 years of experience working with volunteer organizations preferred. Please send cover letter and resume to Ralph D. Jones by February 7, 1986.
Job Number: PA025Position: Administrative Manager I (Repost)
Department: CHES

Description: Under general administrative direction, perform, supervise, direct and/or advise on work related to the personnel, business and facilities aspects of a medium size department. Related activities may involve program/project management, funds management, contract and grant administration, staff supervision, management analysis, property and space management and information/data systems management.

Requirements: Bachelor's degree or equivalent. Knowledge of management principles/methods preferred. Three years relevant administrative or supervisory experience. Knowledge of finance, accounting and budgeting. Familiarity with computer systems helpful. Good communication and human relations skills. Please send cover letter and resume to Ralph D. Jones by February 7, 1986.
Job Number: PA466Position: Associate Director of Admissions
Department: University Admissions Office

Description: Interpret market research findings, formulate recruitment strategies, and coordinate and implement University recruitment activities in important market area. Prepare statistical reports and analyses, recruit and develop alumni volunteers, administer recruitment budget.

Requirements: Bachelor's degree required with graduate work preferred. Five years of admissions experience required with transfer experience preferred. Candidates should have experience with a quantitative, market research based approach to planning recruitment activities. Some supervising experience required. Excellent public speaking and writing abilities. Some travel necessary. Please send cover letter and resume to Ralph D. Jones by February 7, 1986.
Job Number: PA012Position: Technical Consultant III (Two Positions)
Department: Theory Center

Description: Provide full range of consulting services to researchers using resources of the Cornell Theory Center, including the Production Supercomputer Facility, Theorynet, and possibly the Experimental Facility.

Requirements: Bachelor's degree with graduate study in either computer science or one of the physical/biological/engineering sciences. Experience with mainframe computers essential, with VM/CMS and array processors desirable; fluency in at least two programming languages; demonstrated ability to work with complicated programs; strong written and interpersonal communication skills. Please send cover letter and resume to Cynthia Smithbower.
Job Numbers: PT0118, PT0119Position: Staff Engineer
Department: Laboratory of Nuclear Studies

Description: Work on hardware improvements for the Cornell Electron Storage Ring, a high energy physics research facility.

Cornell University

University Personnel Services

Day Hall

Ithaca, New York 14853

607/256-5226

Please Note:

Job Opportunities is a publication of Staffing Services and is distributed each Thursday through the Cornell Chronicle.

Job Opportunities lists current vacancies with the University, consistent with the University's commitment to promotion from within, affirmative action and equal opportunity employment.

Employee Transfer Applications: Em-

ployees who wish to transfer to other jobs within the University should complete a separate Employee Transfer Application form for each position and submit the form(s) to Staffing Services. Individuals with official University layoff status are given preference in referrals.

Applicants: Applications for employment are available at Cornell University's

employment office at East Hill Plaza at the intersection of Ellis Hollow Road and Judd Falls Road in Ithaca, from 9:00 a.m. to 12:00 noon, Monday through Friday. Completed applications can be submitted through the mail to University Personnel Services, Staffing Services, 160 Day Hall, Ithaca, NY 14853.

This listing is also available on CUINFO, Cornell University's computerized information service. For further details on CUINFO, contact the Information

and Referral Center at 256-6200 or Computer Services.

Full-time jobs are 39 hours per week unless otherwise indicated. Jobs listed as SO, U1 and U2 are represented by bargaining units.

Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

Administrative/Professional

The minimum salaries listed are for recruitment purposes only.

*Position: Architect/Project Manager
Department: Architectural Services

Description: The primary responsibility is to manage major architectural projects for the University. Assist the Director and Project Managers in establishing and maintaining technical, budgetary, and scheduling requirements of all capital projects.

Requirements: Bachelor's degree in architecture required. Architectural registration desirable. 10 years minimum experience. Excellent organizational skills. Good communication skills. Experience with personal computer desirable. Please send cover letter and resume to Patricia Hutton.

Job Number: PA046

*Position: Payroll Manager

Department: Controller (Endowed Accounting)

Description: Manage the Endowed Payroll Office. Responsible for payroll schedules while adhering to University policies and procedures. Work with university administrators and computer personnel to maintain and update the payroll system. Review tax legislation and specify program changes to meet governmental withholding and reporting regulations. Counsel employees on payroll-related matters. Supervise a staff of seven.

Requirements: Bachelor's degree in business or accounting or equivalent. 3 to 5 years experience in large payroll or accounting office. Familiarity with computerized financial systems is desirable. Must possess demonstrated supervisory ability and excellent verbal and written communication skills. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA033

*Position: Applications Programmer/Analyst III

Department: Computer Services (APS)

Description: As a member of a team that implements and maintains administrative systems will interface new systems and programs. Investigate and evaluate outside software systems to integrate or replace current production systems. Prepare estimates of programming time and computer production costs for given proposals.

Requirements: Bachelor's degree or equivalent. 3 to 5 years computer experience necessary. Knowledge of interactive administrative systems, database management, IBM operating systems and two major programming languages required. Prior supervisory experience helpful. Please send cover letter and resume to Cynthia Smithbower by February 14, 1986.

Minimum Starting Salary: \$20,000

Job Number: PT041

*Position: Research Support Aide

Department: Food Science and Technology, Geneva, NY

Description: Assist professorial staff in research project. Develop and maintain the technical components in a specialized function with the research laboratory. Perform nonroutine chemical analysis of research samples. Provide technical guidance to support staff.

Requirements: Bachelor's degree in chemistry. Some related laboratory experience. Familiarity with gas liquid chromatography as spectrophotography.

Job Number: PT045

*Position: Network Communications Specialist (Repost)

Department: Computer Services - Network Communications

Description: Assist in the development and implementation of data communications facilities in a multi-vendor, decentralized academic environment which includes: 3084, 3081, 4341 and multiple VAX processors; 3705 and 4705 communications controllers; VM, CMS, CP, UNIX, EP and COMM-PRO software; Sytek; Ethernet, Pronet, PCnet and Omninet Local Area Networks; Async, RJE and BSC 3270 Protocols. Will be a resource to the University community including the recently inaugurated NSF Supercomputer Facility concerning state-of-the-art technologies and implementations.

Requirements: Bachelor's degree in electrical engineering, computer science or related background and several years of relevant experience. Excellent interpersonal and communications skills are essential. Must have knowledge and experience in data communications. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT472

*Position: Senior Applications Programmer/Analyst (Repost)

Department: Computer Services - APS

Description: As a member of the technical support group, will maintain and modify the data base and fourth generation programming environment in which administrative systems are developed.

Requirements: Bachelor's degree with computer courses and 3-5 years computing experience. Must be able to program in at least two languages including IBM 370 assembler. Must have knowledge of operating systems, especially VM—CMS. Familiarity with MVS, data base concepts and mini-micro computers preferred. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT469

Position: Cash Manager

Department: Treasurers Office

Description: Identify, evaluate and implement new procedures and operations for the university; perform periodic reviews of cash handling and control procedures at the unit level; develop and maintain a system of cash flow analysis and forecasting; manage banking and armored courier operational relationships and oversee operation of the cashier function.

Requirements: MBA or equivalent. 2 to 3 years relevant experience. Supervisory experience strongly preferred. Strong oral and written communication skills and computer experience. Please send cover letter and resume to Ralph D. Jones by February 6, 1986.

Job Number: PA038

Position: Purchasing Agent III

Department: Purchasing

Description: Select, purchase and prepare specifications and bid requests for equipment, supplies and/or services for one or more departments of the University.

Requirements: Bachelor's degree in business and a minimum of 5 years' purchasing experience required. C.P.M. Certification preferred. Knowledge of electronics and scientific equipment, negotiation skills, public relations and demonstrated strong interpersonal skills helpful. Please send cover letter and resume to Ralph D. Jones by February 6, 1986.

Job Number: PA036

Position: Area Supervisor

Department: Computer Services, Network Communications

Description: Responsible for daily supervision, technical guidance and scheduling of NetComm technicians who perform installations, problem diagnosis and field repairs on microcomputers and data communications equipment. Will participate in installations

and higher level problem diagnosis. Will rotate on-call responsibilities.

Requirements: bachelor's degree or equivalent with coursework in electronics, computer science and data communications/telecommunications. 3 to 5 years extensive data communications software—software experience. Supervisory training desirable. Superior technical problem diagnosis, organizational and interpersonal communications skills required. Please send cover letter and resume to Cynthia Smithbower by February 7, 1986.

Job Number: PT037

Position: Applications Programmer/Analyst I

Department: Vet Computing Facility

Description: Provide computer programming support and develop programs using the MUMPS language for applications in the NYS College of Veterinary Medicine.

Requirements: Bachelor's degree or equivalent. Computer programming skills required. Some on-the-job computer programming experience in a high level language. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT032

Position: Applications Programmer II

Department: Physical Education & Athletics

Description: Install, modify, service, maintain, develop and document applications systems software for moderately complex functions in a Convergent Technologies minicomputer system. Contribute to on going planning and development of hardware and software needs for a broad based minicomputer system. Provide general and specific training for all users.

Requirements: Bachelor's degree in computer science or related field. Knowledge of Convergent Technologies hardware/software helpful. Pascal and basic programming knowledge required. Excellent interpersonal and communications skills necessary. Apply by February 7, 1986 to Cynthia Smithbower.

Job Number: PT035

Position: Applications Programmer/Analyst I

Department: Computer Services (APS)

Description: As a member of a project team, will install and maintain batch and interactive programs of an overall administrative system. Write production procedures and JCL. Interface with production control clerks.

Requirements: Bachelor's degree or equivalent with computer related courses. A knowledge of applications for interactive administrative systems and data base concepts desirable. Some experience with machine architecture, programming languages (such as PL/1, NATURAL, COBOL, MARK IV), and system utility programs necessary. Apply by February 7, 1986 to Cynthia Smithbower.

Minimum Starting Salary: \$16,500

Job Number: PTO34

Position: Director

Department: University Press

Description: Oversee financial affairs of the Press's operations; establish managerial policies for the professional and nonprofessional staff, and develop, in conjunction with a faculty Board of Editors, editorial policy for the Press, which has a staff of 50, publishes approximately 100 titles yearly, and has annual sales of approximately \$4 million.

Requirements: Bachelor's degree. Demonstrated successful experience in the editorial, managerial, and financial aspects of university publishing, or equivalent experience.

The job involves the design and fabrication of equipment and offers the opportunity to participate in the operations and experiments with a state-of-the-art accelerator system.
 Requirements: Minimum Bachelor's degree in electrical engineering, applied physics, or physics. Experience in power equipment, computer control systems, pulse circuitry or radiofrequency devices and techniques is desirable. Please send cover letter and resume to Ralph D. Jones.
 Job Number: PA0114

Position: Technical Consultant
 Department: Cornell Institute for Social and Economic Research (CISER)
 Description: Provide computing and consulting support to the New York State Information System, Survey Research Facility, and CISER Data Archive. As a data manager, assist in data base design, data management and manipulation of large New York State data sets. In addition, the consultant will aid in the development of a social science workbench that integrates microcomputers with mainframes. The consultant will provide computer consulting primarily to project PI's and CISER staff.
 Requirements: Bachelor's degree or equivalent is required. Master's degree or equivalent in social science is preferred. Experience with mainframe and microcomputer data management, IBM PC's using software packages such as dBase III, 1-2-3, Kermit, and DOS. Should have expertise programming in C, Fortran, Pascal; knowledge of social science research techniques and research experience with IBM 3081 including CMS, SAS or SPSS, JCL, MVS preferred. Good written communication skills, attention to detail; ability to meet deadlines essential. Must have good interpersonal skills to work well as a consultant and part of a research support team. Please send cover letter and resume to Cynthia Smithbower by February 7, 1986.
 Minimum Starting Salary: \$15,000
 Job Number: PT014

Position: VAX Systems Programmer
 Department: Program of Computer Graphics
 Description: Provide, under general supervision, highly specialized systems support to an advanced graphics program. Develop complex large scale operating systems, software, and hardware. Design and oversee engineering modifications or extensions to such operating systems to meet organizational goals for computer usage. Responsible for overall system efficiency. Oversee development of scientific work stations.
 Requirements: Bachelor's degree or equivalent with related computer courses. 3 to 5 years experience with a strong background in VAX/VMS and systems programming. Ability to program in C, PASCAL, FORTRAN, and ASSEMBLER, array processors, UNIX helpful. Please send cover letter and resume to Cynthia Smithbower.
 Job Number: PT498

Position: Research Support Specialist I
 Department: Food Science
 Description: Prepare pilot scale batches of cheddar cheese and perform chemical analyses of milk, cheese, and whey. Conduct literature review, summarize project data, and prepare progress reports.
 Requirements: Master's degree in dairy or food science or related area with coursework in cheese making or fermentations, microbiology, dairy chemistry. Should be familiar with cheddar cheese making; moisture, fat, protein, pH, salt, direct microscopic somatic cell count, determinations in dairy products. Previous work in a research lab involving electrophoresis, summarization of research data, particularly using Lotus 1-2-3, statistical analysis, and report preparation. Please send cover letter and resume to Cynthia Smithbower.
 Job Number: PT496

Position: Research Support Specialist I
 Department: Food Science
 Description: Conduct chemical analyses of milk, including fatty acid analysis and electrophoresis supervise routine milk testing. Conduct literature review, summarize project data, and prepare progress reports.
 Requirements: Master's degree in dairy or food science or related area with courses in food chemistry, dairy chemistry, instrumental analysis methods and statistics. Familiarity with Lotus 1-2-3, electrophoresis, gas chromatography and spectrophotometry preferred. Some previous work experience in a research lab. Excellent interpersonal skills to work as a member of a large research group. Please send cover letter and resume to Cynthia Smithbower.
 Job Number: PT495

Position: Research Support Specialist III
 Department: Agricultural Economics
 Description: Plan and develop enumerative surveys on energy utilization in New York's commercial farm sector. Appointment ends July 1, 1988.
 Requirements: Master's degree in agricultural economics or a related field. Familiarity with commercial agriculture. Knowledge of statistical theory; previous experience with survey design preferred; prior experience with micro computers essential. Please send cover letter and resume to Cynthia Smithbower.
 Job Number: PT489

Position: Research Support Specialist III
 Department: Agricultural Economics
 Description: Conduct research in agricultural finance and investment behavior. Includes design of research, data collection, analysis and report preparation. Appointment ends December 31, 1988.
 Requirements: Master's degree in agricultural economics or related field. Farm background and agricultural finance experience preferred. Please send cover letter and resume to Cynthia Smithbower.
 Job Number: PT488

Position: Administrative Manager I
 Department: Applied & Engineering Physics
 Description: Work with the offices of Corporate Relations and Public Affairs to solicit external financial support. Manage departmental budget and special accounts, departmental building space, computer services, teaching laboratories. Provide proposal coordination and planning service, assemble annual report, etc.
 Requirements: Bachelor's degree. Experience in corporate public affairs and/or university development. Excellent interpersonal and communication skills. Knowledge of computers preferred. Please send cover letter and resume to Ralph D. Jones.
 Job Number: PA486

Position: Student Development Specialist II
 Department: Veterinary Administration
 Description: An admissions officer who will be involved in many aspects of the admissions process including preveterinary counseling and recruiting. Major emphasis will be placed on the recruiting of minority students and the coordinating of minority summer programs.
 Requirements: Master's degree or equivalent. Experience in student personnel and recruiting. Requires a great deal of traveling, often to large cities. Please send cover letter and resume to Ralph D. Jones.
 Job Number: PA482

Position: Student Development Specialist II
 Department: Veterinary Administration
 Description: An admissions officer who will be involved in many aspects of the admissions process including preveterinary counseling and recruiting. Major emphasis will be placed on the recruiting of minority students and the coordinating of minority summer programs.
 Requirements: Master's degree or equivalent. Experience in student personnel and recruiting. Requires a great deal of traveling, often to large cities. Please send cover letter and resume to Ralph D. Jones.
 Job Number: PA482

Position: Administrative Aide, GR20
 Department: University Development
 Description: Provide secretarial and administrative assistance to the Office of Major Gifts. Coordinate flow and oversee completion of work within office; assist in making arrangements for visitors to the campus. Conduct research for special projects; type, edit and proofread correspondence, reports, etc. Make appointments and coordinate travel arrangements.
 Requirements: Associate's degree or equivalent. Light typing. Certified Employee Benefits Specialist (CEBS) designation or participation desirable. Experience in employee benefits required. Good organizational, interpersonal, and communication skills; math aptitude, ability to work with computers and some knowledge of accounting procedures helpful. Please send cover letter and resume to Esther L. Smith by February 10, 1986.
 Minimum Starting Salary: \$12,968
 Job Number: CO44

Position: Secretary, GR20
 Department: Public Affairs Regional Office (Northeast Regional Office, Wellesley, Mass.)
 Description: Type correspondence, forms, vouchers and other materials; keep records provide file maintenance and receptionist duties; handle meeting and travel arrangements for director of Northeast Regional Office; interaction by phone and in person with alumni. Handle special projects. Public Affairs Regional Office Northeast Regional Office (Wellesley, MA).
 Requirements: Associate's degree in secretarial science or equivalent. Medium typing. Minimum 2 to 3 years secretarial experience. Excellent organizational, interpersonal and communication (written and oral) skills. Ability to work independently. Ability to use IBM-XT or equivalent desirable.
 Minimum Starting Salary: \$12,209
 Job Number: CO416

Position: Secretary, GR19
 Department: School of Hotel Administration
 Description: Provide clerical secretarial support to food science faculty. Type and proofread correspondence, exams, manuals, texts, etc., utilize word processing equipment. Department receptionist: screen, refer or respond to phone inquiries; compose routine correspondence; file; prepare travel vouchers; schedule appointments.
 Requirements: High school diploma or equivalent; secretarial school desirable. Medium typing. Ability to use word processing equipment (WANG computer). Familiarity with culinary, chemical and biological terms, symbols and abbreviations. Technical typing skills. Excellent organizational, interpersonal and communication skills. Knowledge of dictaphone and shorthand helpful.
 Minimum Starting Salary: \$11,570
 Job Number: CO411

Position: Secretary, GR19
 Department: Computer Science
 Description: Provide secretarial support primarily to senior faculty and special projects (Industrial Affiliates & Recruiting) and organizational support necessary to assist the administrative staff and chairman in the day-to-day operations of the chairman's office. Typing, arrange for visitors services; school appointments; mail. Other duties as assigned.
 Requirements: High school diploma or equivalent; secretarial school desirable. Heavy typing. Minimum 3 to 5 years University experience. Technical typing, word processing experience.
 Minimum Starting Salary: \$11,570
 Job Number: CO47

Position: Secretary, GR18
 Department: Minority Educational Affairs
 Description: Provides secretarial-receptionist support to the Assistant Directors (2) of the Office of Minority Educational Affairs (COSEP). Assist and interact with minority students, providing them with information and direction regarding campus-wide support services. Type; coordinate travel/reimbursements; etc. Schedule appointments and meetings. Other duties as assigned.
 Requirements: High school diploma or equivalent. Secretarial school desirable. Heavy typing. Minimum 1 to 2 years related experience. Excellent organizational, interpersonal and communication skills.
 Minimum Starting Salary: \$10,920
 Job Number: CO41

Position: Receptionist, GR18
 Department: Student Employment Office
 Description: Front desk receptionist and primary contact providing general information to the public regarding all Student Employment Office programs. Train and oversee five student Peer Counselors and coordinate schedules; responsible for mail and SEO switchboard; handle flow of appointment forms and assist with processing; provide clerical backup to administrative staff as needed.
 Requirements: High school diploma or equivalent. Secretarial or business school desirable. Light typing. Minimum two years related experience. Strong communication skills. Ability to work in a high pressured environment essential. Secretarial background with on-line computer and word processing experience preferred.
 Minimum Starting Salary: \$10,920
 Job Number: CO415

Position: Office Assistant, GR18
 Department: University Development
 Description: Assist the Business Manager and the Accounts Assistant in the daily financial operations. Prepare monthly billings and post to the ledger.
 Requirements: High school diploma or equivalent; business/accounting background preferred. Medium typing. Some office experience. Knowledge of Cornell accounting procedures; IBM PC-XT and Symphony Software desirable. Excellent interpersonal skills. Attention to detail. Ability to work well under pressure.
 Minimum Starting Salary: \$10,920
 Job Number: CO417

Position: Secretary, GR17
 Department: HDFS—FLDC - New York City
 Description: Prepare vouchers and purchase orders; type reports and proposals; arrange travel, appointments and meetings; mail pickup and distribution. Other duties as assigned. HDFS/FLDC, 15 E 26th St., New York, New York.
 Requirements: High school diploma or equivalent. Some business or secretarial coursework desirable. Medium typing. General office skills. Interest in and potential to learn advanced office systems.
 Minimum Starting Salary: \$10,366
 Job Number: CO43

Position: Office Assistant, GR16
 Department: Cornell Plantations
 Description: Assist with the following types of office duties for Cornell Plantations administrative personnel. Receptionist; gift shop; project files; donor/prospective donor correspondence.
 Requirements: High school diploma required; some college or business school desired. Light typing. Minimum one year office experience desired. Experience with cash register, personal computer, and word processor desired. A high level of accuracy. Sensitivity to donor confidentiality. Excellent interpersonal skills dealing with the public.
 Minimum Starting Salary: \$9,874
 Job Number: CO45

Position: Office Assistant, GR16
 Department: Cornell Plantations
 Description: Assist with the following types of office duties for Cornell Plantations administrative personnel. Receptionist; gift shop; project files; donor/prospective donor correspondence.
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 Minimum Starting Salary: \$9,874
 Job Number: CO45

Clerical

CURRENT EMPLOYEES should submit an employee transfer application, resume and cover letter. Also, if you are interested in a career development interview, please contact Esther Smith at 6-5226 to schedule an appointment.

OUTSIDE APPLICANTS should submit an employment application and resume. Applications and resumes typically remain active for three months; typing test scores remain on file for one year. The clerical section uses an automatic referral system whereby outside applicants are referred to positions for which they are considered qualified and competitive. Unless otherwise advertised, requests to be referred to a specific position will not be accepted. Applicants who are referred to a department for review will be contacted by the department if an interview is necessary.

NOTE: OPEN INTERVIEWING FOR OUTSIDE APPLICANTS interested in clerical positions will be conducted every Wednesday afternoon from 1:00 - 5:00pm. in our East Hill Plaza Employment Office. No appointment is necessary, however a short wait may be required. Call Esther Smith or Lauren Worsell if you have any questions.

*Position: Administrative Aide, GR22
 Department: Career Center - Sage
 Description: Assist the Coordinator of the Cornell Connection in the administration of this alumni program for graduating seniors, and be responsible for the computerized system relating to it. Coordinate large, specialized programs for students and alumni; arrange meetings, appointments, and travel; perform research and prepare reports; direct the assignments of a part-time work-study and staff assistant; compose and word process letters and reports. Mail, answer telephone, and screen. Handle special projects as assigned.
 Requirements: Associate's degree or equivalent. Light typing. Minimum 3 to 5 years experience in service-related office. Demonstrated oral and written communication skills. Outstanding organizational skills. Experience dealing with high-level administrators. Familiarity with computer data bases, word processing, and other IBM-XT

programs. Confidentiality essential.
 Minimum Starting Salary: \$13,667
 Job Number: CO410

Job Opportunities

Continued from Page 9

assist with weekly overdue notices.

Requirements: High school diploma or equivalent. Medium typing. Some office experience helpful. Ability to work with variety of people in a public service situation. Excellent organizational and interpersonal skills.

Minimum Starting Salary: \$9,874
Job Number: CO412

Position: Office Assistant, GR18
Department: Unions & Activities - Robert Purcell

Description: Provide clerical support for Head Accounts Assistant. Process daily banks, checkout sheets, daily cash reports, monthly reports, Cornellcard and mail; oversee drycleaning, laundry and film developing services and the Student Services area.

Requirements: High school diploma or equivalent. Coursework in accounting preferred. Some accounting and bookkeeping experience desired. Strong organizational, communication and interpersonal skills.

Minimum Starting Salary: \$10,920
Job Number: CO31

Position: Accounts Assistant, GR18
Department: Statutory Finance & Business Office

Description: Code customer numbers and batch approximately 2,500 departmental invoices each month. Set up new account manuals, monitor accounts receivable accounts, including personal contact as well as by phone and letter with customers and departments. Other duties as assigned.

Requirements: High school diploma plus 2 to 3 years relevant work experience; Associate's degree desirable. Light typing. Experience with Cornell statutory accounting system preferred. Strong organizational, interpersonal and communication skills.

Minimum Starting Salary: \$10,920
Job Number: CO34

Position: Secretary, GR18
Department: Human Development & Family Studies, Family Life Development Center

Description: Input, format, revise and prepare final printouts of large documents and reports using word processor; assist in collating training materials; arrange travel and accommodations; assist with file system maintenance; type; answer phone; photocopy. Other duties as assigned. Full-time, regular until September 30, 1986.

Requirements: High school diploma or equivalent. Some secretarial school desirable. Medium typing. Some office experience. Knowledge of or willingness to learn computers. Excellent organizational skills.

Minimum Starting Salary: \$10,920
Job Number: CO312

Position: Secretary, GR18
Department: Theatre Arts

Description: Provide receptionist/clerical support for a busy office. Voucher payroll; course and room scheduling; organize Course of Study Book; update inter department directories on database; oversee one part-time work study student. Other duties as assigned.

Requirements: High school diploma or equivalent. Light typing. Some office experience. Knowledge of computers helpful.
Minimum Starting Salary: \$10,920
Job Number: CO311

Position: Secretary, GR18
Department: University Health Services
Description: Provide secretarial support or nine therapists. Assist in maintaining patient flow, client records; answer telephone; schedule appointments; type; file; provide backup support to Administrative Secretary. Full time, regular, 10.5 month position.

Requirements: High school education or equivalent. Heavy typing. Minimum 2 years office experience. Ability to use dictating equipment, work under pressure and deal with a variety of people. Some familiarity with psychological terminology. Confidentiality essential.

Minimum Starting Salary: \$10,920
Job Number: CO32

Position: Searcher, GR18
Department: University Libraries - Acquisitions

Description: Search the card catalogs, national and trade bibliographies, RLIN, and other files for bibliographic information pertaining to books which the library is ordering or has received. Input records for new books and orders in the RLIN database. 39 hours to be arranged; 15-20 hours must be worked during the evening.

Requirements: High school diploma or equivalent. Light typing. Additional education may be substituted for experience. Minimum 3 years progressively more responsible technical services experience. Reading

knowledge of at least one Western European language.

Minimum Starting Salary: \$10,920
Job Number: CO316

Position: Office Assistant, GR18
Department: Summer Session
Description: Provide clerical, logistical and research support to the Director, Programs in Professional Education, Program Coordinator, and Administrative Aide, and to the Department's programs. Word processing; file; make appointments; screen incoming calls; sort mail; manage printed information; run errands.

Requirements: High school diploma or equivalent. Business or secretarial school desirable. Medium typing. Minimum 1 to 2 years office and word processing experience. Excellent organizational, interpersonal and communication skills. IBM PC and Word Perfect experience preferable.

Minimum Starting Salary: \$10,920
Job Number: CO318

Position: Office Assistant, GR17
Department: Engineering Admissions - Undergraduate Affairs

Description: Enter admissions and advising data into word processor—computer; process applications; maintain applicant files; record decisions; file additional applicant information; prepare mailings.

Requirements: High school diploma or equivalent. Medium typing. Word processing experience. Excellent organizational skills.

Minimum Starting Salary: \$10,366
Job Number: CO310

Position: Secretary, GR17
Department: Center for International Studies

Description: Provide support for CIS Director and Administrative Manager. Transcription of correspondence and reports from dictaphone; maintain files. Other duties as assigned.

Requirements: High school diploma or equivalent. Medium typing. Minimum 1 to 2 years experience. Knowledge of personal computers.

Minimum Starting Salary: \$10,366
Job Number: CO314

General Service

*Position: Cook, SO18
Department: Residence Life - Endowed
Requirements: Clean, prepare and cook food for University-owned fraternity. Clean all food preparation areas, cooking areas, and assist in keeping storerooms and refrigerators sanitary. Aid student steward in menu planning and food purchases as needed. Must be able to work with little supervision and with student volunteers. Ability to supervise student helpers preferred. Monday - Friday, 7 hours per day; Saturday, 4 hours per day.

Requirements: Ability to follow recipes accurately, operate standard food preparation and cooking equipment. Good organizational skills preferred. Experience in large quantity preparation is essential. 2 to 3 years experience as a cook.

Minimum Starting Salary: \$5.41/hour
Job Number: SO42

*Position: Animal Attendant, SO17
Department: Avian & Aquatic Animal Medicine - Statutory
Description: Daily care of experimental chickens, including: feed and water birds; gather eggs; catch, band, bleed and debeak birds. Clean and disinfect equipment and buildings. Set and candle eggs; hatch chicks for farm and experimental use. Maintain grounds, including mowing and trimming lawns and snow removal. Other duties as required. Monday - Friday, 7:30am - 4pm; some weekend work.

Requirements: High school diploma or equivalent. Previous poultry experience preferred. Must have valid NYS driver's license and be able to lift 100 lbs. Pre-employment physical required.

Minimum Starting Salary: \$5.12/hour
Job Number: SO44

*Position: Custodian, SO16 (Two positions)
Department: Statler Inn - Endowed
Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Monday - Friday, 3pm - 11pm; rotate weekends.

Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.84/hour
Job Numbers: SO46, SO45

*Position: Custodian, SO16

Department: Buildings Care - Endowed
Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Monday - Thursday, 6am - 2:30pm; Friday 6am - 1:30pm.

Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.84/hour
Job Numbers: SO41

*Position: Custodian, SO16
Department: Buildings Care - Endowed
Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Wednesday and Thursday, 6am - 2:30pm; Friday 6am - 1:30pm.

Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.84/hour
Job Numbers: SO43

Technical

Outside applicants for technical positions should submit an employment application, resume, transcripts and a list of laboratory techniques and equipment, or computer languages and hardware with which you are familiar. This information will be kept active for six months. For each position that you are qualified and wish to be a candidate for, submit a cover letter, including position title, department and job number, to Cynthia Smithbower. Current Cornell employees should submit an employee transfer application, resume and cover letter. Outside applicants with training and/or experience in the following areas are encouraged to apply: biochemistry, chemistry, microbiology, electronics, physics and licensed animal health technicians.

*Position: Technician, GR22 (Repost)
Department: Veterinary Pathology
Description: Provide technical support in the study of viral disease in calves; perform immunologic (ELISA) assays; assist with drug administration and necropsy of experimental calves as well as with morphometric procedures. Some electron microscopy and data analysis duties.

Requirements: Bachelor's degree in biology, microbiology or related field. Some experience in handling calves and in laboratory work such as serology or electron microscopy helpful. Pre-employment physical required. Apply by February 7, 1986.

Minimum Starting Salary: \$13,667
Job Number: TO21

*Position: Technician, GR21
Department: Veterinary Pathology
Description: Assist in preparing ultrathin sections for transmission electron microscopy; conduct morphometric measurements on tissue sections and micrographs; perform immunocytochemistry procedures and statistical analyses. Part-time, regular; 20 hours per week.

Requirements: Bachelor's in biological science or equivalent. One year related experience in a research laboratory involving electron microscope and/or histology. Apply by February 14, 1986.

Minimum Starting Salary: \$12,968
Job Number: TO42

Position: Animal Technician, GR18
Department: Clinical Sciences
Description: Provide technical assistance for equine nutrition, drug evaluation and other veterinary-related projects. Will perform nutrition research trials. Responsible for feeding horses and cleaning stalls.

Requirements: Associate's degree or equivalent in animal science or related field. Previous experience in training and care of horses. Preemployment physical is required. Apply by February 7, 1986.

Minimum Starting Salary: \$10,920
Job Number: TO32

Position: Technician, GR22
Department: Veterinary Pathology
Description: Provide technical support in the study of viral disease in calves; perform immunologic (ELISA) assays; assist with drug administration and necropsy of experimental calves as well as with morphometric procedures. Some electron microscopy and data analysis duties.

Requirements: Bachelor's degree in biology, microbiology or related field. Some experience in handling calves and in laboratory work such as serology or electron microscopy helpful. Preemployment physical required. Apply by February 7, 1986.

Minimum Starting Salary: \$13,667
Job Number: TO21

Part-time

*Position: Apprenticeship Coordinator
Department: Learning Web
Description: Half-time, serving rural youth in Tompkins County. Submit resume and a short statement expressing your views on youth and education (by February 3rd).
Contact: The Learning Web, 318 Anabel Taylor Hall, Ithaca, New York, 14853. Information packets, including job description, are available at the Alternatives Library, 122 Anabel Taylor Hall. (No calls please)

*Position: Research Aide, GR20
Department: Sociology
Description: Provide administrative and secretarial support to Senior Research Associate and staff. Perform library research and other research related duties. Administer grants, analyze accounts, etc.; research bibliographic information; provide support for field workers; code questionnaires for key-punch; type; file. Part-time, regular; Monday - Friday; flexible hours.

Requirements: Bachelor's degree in psychology or other related field or equivalent. Medium typing. Experience in administering sponsored grants. Knowledge of IBM PC and Macintosh software. Ability to perform bibliographic searches. Please send cover letter and resume to Esther L. Smith by February 10, 1986.

Minimum Starting Salary: \$12,209
Job Number: CO49

*Position: Research Aide, GR17
Department: Entomology
Description: Count insects and other invertebrate organisms associated with the experimental crop plants that are cultured in the greenhouse and field; sample and census soil insects associated with the crop; tabulate data for analyses. Part-time, temporary; 20 hours per week until February 24, 1987.

Requirements: Associate's degree in biology; bachelor's degree in biology helpful. Some related laboratory, greenhouse or field experience.

Minimum Starting Salary: \$10,366
Job Number: TO43

Position: Relief Staff Nurse
Department: University Health Services
Description: Provide basic nursing care for patients that are held in the Health Center's Overnight—Observation Unit. Screen and provide emergency service to patients at this unit. Part-time, two days—two evenings per week; 9 month appointment.

Requirements: NYS Nursing License required. Minimum of one year practicing required and some experience in emergency service and clinic nursing desirable. Please send cover letter and resume to Ralph D. Jones by February 6, 1986.

Job Number: PAO31

Position: Accounts Assistant, GR18
Department: Plant Breeding & Biometry
Description: Assist departmental administrative manager in maintaining personnel records and other general office work; provide secretarial support for department extension leader and administrative manager; may assist in computerization of departmental records. Part-time, regular; 30 hours per week; 6 hours per day between 8:00am and 4:30pm; hours flexible.

Requirements: High school diploma or equivalent. Some college accounting courses desirable. Light typing. Some office experience, experience with Cornell Personnel Forms and accounting system and with computers desirable.

Minimum Starting Salary: \$10,920/annual equivalent
Job Number: CO317

Position: Information Assistant, GR18
Department: Reference - Olin Library
Description: Staff Information Desk approximately 4 hours a day; help library patrons both at the desk and on the telephone by consulting library card catalogs, using a variety of library records and directories, verifying bibliographic information, referring patrons to reference librarians when appropriate. Other assignments as needed. Part-time, regular; 20 hours per week to be arranged (includes evenings and weekends).

Requirements: Associate's degree or equivalent in social sciences or humanities; Bachelor's degree desired. Previous work in an academic library or familiarity with bibliographic verification sources desirable. Strong interpersonal and communication skills. Ability to work calmly under pressure and as part of a team. Knowledge of at least one foreign language.

Minimum Starting Salary: \$10,920/annual equivalent
Job Number: CO315

Position: Data Entry Operator, GR18
 Department: Computer Services
 Description: Key enter or key verify data via Cade Keystations. Part-time, regular; 20 hours per week; shift work; weekends.
 Requirements: High school diploma or equivalent. Medium typing. Data entry and—or keypunch experience, preferably Cade system experience at least one to two years.
 Minimum Starting Salary: \$10,920/annual equivalent
 Job Number: CO313

Position: Manuscript Arranger GR18 (Repost)
 Department: NYSSILR, Catherwood Library
 Description: To arrange and describe manuscript and other nonbook materials according to instructions provided by the processing supervisor; other miscellaneous duties including assisting in answering reference questions on collections processed, mounting exhibits minor mending, counting documents and labeling boxes. Part-time regular, Monday - Friday; hours to be arranged.
 Requirements: Associate's degree or equivalent. Light typing. College coursework in modern American history, industrial relations or labor history preferred or must be willing to take related courses. Excellent writing skills required. Familiarity with word processing helpful.
 Minimum Starting Salary: \$10,920/annual equivalent
 Job Number: C399

Position: Sr. Records Assistant, GR18 (Three positions) (Repost)
 Department: A.R. Mann Library
 Description: Participate in project to convert library catalog records in agriculture and life sciences into machine-readable form using RLIN system. Search, derive and update records in RLIN database; search card catalogs to collect data. Part-time, regular until December 31, 1986. Monday - Friday, 4 hours a day; includes some evening hours.
 Requirements: Associate's degree or equivalent. Medium typing. Library experience, especially in technical services desirable. Experience using RLIN or OCLC library systems desirable. Ability to perform highly detailed and repetitive tasks accurately. Familiarity with foreign languages, especially German.
 Job Numbers: C4724, C4725, C4727

Position: Records Assistant, GR16 (Three positions) (Repost)
 Department: A.R. Mann Library
 Description: Participate in project to convert library catalog cards in agriculture and life sciences into machine-readable form using RLIN system; input original records into RLIN. Part-time, regular until December 31, 1986. Monday-Friday, 4 hours per day; includes some evening hours.
 Requirements: High school diploma or equivalent. Medium typing. Some office experience. Knowledge of computer input helpful. Ability to perform detailed and re-

petitive tasks accurately. Knowledge of or experience with foreign languages helpful.
 Minimum Starting Salary: \$9,874/annual equivalent
 Job Numbers: C4720, C4721, C4723

Position: Records Assistant, GR16
 Department: Catalog - Olin Library
 Description: Participate in project to convert catalog records in sciences and technology into machine readable form using RLIN system; input original catalog records into RLIN; photocopy catalog cards; sort and file worksheets; stamp shelf list cards. Part-time, regular until December 31, 1986. Monday - Friday (20 hours per week; may include some evening hours).
 Requirements: High school diploma or equivalent. Medium typing. Ability to perform detailed and repetitive work accurately. Knowledge of computer input helpful. Office experience helpful. Familiarity with at least one foreign language helpful.
 Minimum Starting Salary: \$9,874
 Job Number: CO212

Position: Accountant II (Repost)
 Department: Office of Financial Aid & Student Employment
 Description: General supervision of all Financial Aid and Student Employment Office Accounts. Assist with preparation of office budget request and federal fiscal operations report; provide audit trails for all accounts and conduct internal audits as required; train and consultation for professional and clerical staff on daily operation and federal and office accounts. Monday - Friday, 2 1-2 days per week.
 Requirements: Bachelor's degree or equivalent. Minimum 1 to 2 years in accounting or auditing. Familiarity with Cornell accounting system and—or knowledge of federal programs. Please send cover letter and resume to Esther L. Smith.
 Job Number: PC467

Temporary

TEMPORARY OPPORTUNITIES: Individuals qualified for temporary work in the following areas are encouraged to apply: clerical, secretarial, word processing. If you have experience or skills in these or related areas and are interested in learning more about these opportunities, please call Laurie Worsell at 256-5226.

*Position: Temporary Office Assistant
 Department: Center for Environmental Research
 Description: Processing of invoices, requisitions, vouchers, journals, etc. Answer phones, type manuscripts and correspondence. Other duties as assigned. Monday - Friday, 10am - 2pm.
 Requirements: High school diploma or equivalent. Medium typing. Accounting and secretarial skills helpful. Willingness to learn Xerox 860 word processor and McIntosh computer programs. Please send cover letter and resume to Laurie Worsell by February 7, 1986.
 Minimum Starting Salary: \$5.00/hour
 Job Number: CO46

*Position: Temporary Office Assistant
 Department: Veterinary Medical Teaching Hospital
 Description: Work as a floater in the Teaching Hospital with Small, Large and Ambulatory Clinics, and the Hospital Administration Office. Will be expected to perform as telephone operator, admissions cashier, appointment secretary, mail clerk, radio dispatcher, and administrative secretary. Full-time, temporary; Monday - Friday, occasional Saturdays.
 Requirements: High school diploma or equivalent. Medium typing. Medical office assistant, secretarial school and—or education in animal health technology helpful. At least 2 years office experience. Strong interpersonal and communication skills and ability to work under pressure required. Working knowledge of medical terminology or medical background desirable. Please send cover letter and resume to Laurie Worsell by February 7, 1986.
 Minimum Starting Salary: \$5.00/hour
 Job Number: CO42

Position: Temporary Animal Attendant
 Department: James A. Baker Institute for Animal Health
 Description: Take care of, feed, clean and monitor approximately 125 beagles (dogs). 4-5 hours daily, mornings preferred, weekends and holidays.
 Requirements: Ultra sterile environment requires shower, hair wash and sterile uniform upon entering lab area. Must be able to lift 50 lbs. and work without supervision. Preemployment physical required. Please apply in person at the East Hill Plaza employment office from 9:00 am -12:00 noon, Monday-Friday by Wednesday, February 6, 1986.
 Minimum Starting Salary: \$4.00/hour
 Job Number: SO31

Position: Temporary Office Assistant
 Department: Ornithology
 Description: Assist accounting staff by performing general office duties. Copying; post and file prepared vouchers; handle deposits; answer phone; oversee supply closet. Other duties as assigned.
 Requirements: High school diploma or equivalent. Light typing. Cornell experience preferred. Understanding of accounting helpful. Good organizational skills are essential with emphasis on accuracy and attention to details. Please send cover letter and resume to Laurie Worsell.
 Minimum Starting Salary: \$4.50/hour
 Job Number: CO38

Position: Temporary Office Assistant/Receptionist
 Department: Field and International Study
 Description: Greet students; answer telephones; provide secretarial support to faculty. Other duties as assigned. 20-30 hours per week; flexible.
 Requirements: High school diploma or equivalent. Medium typing. Some secretarial and/or receptionist experience preferred. Knowledge of Xerox 860 helpful.
 Minimum Starting Salary: \$4.50/hour
 Job Number: CO25

Position: Accounts Assistant/Secretary (Repost)
 Department: Geological Sciences
 Description: Data input and word processing using an IBM PC; type correspondence; file. Other duties as assigned. Part-time, temporary for 6 months. Monday - Friday, 8:00am -12:00noon.
 Requirements: High school diploma or equivalent. Some college desirable. Heavy typing. IBM PC experience helpful. Please send cover letter and resume to Laurie Worsell.
 Minimum Starting Salary: \$5.37/hour
 Job Number: C467

Position: Collection Representative, GR17 (Repost)
 Department: Bursar
 Description: Collection of delinquent student loan accounts through written and telephone communications. Locating delinquent borrowers through "skip tracing" techniques. Part-time, casual, Tuesday - Thursday, 4:30 - 8:30pm.
 Requirements: High school diploma or equivalent. Good written and telephone communication skills.
 Job Number: C444

Academic

Please contact department directly.

*Position: Extension Leader, Cornell Industrial Innovation Extension Program
 Department: College of Engineering, Cooperative Extension
 Contact: John H. Potter, Cornell Cooperative Extension, 31 Roberts Hall
 Job Number: AO41

*Position: Specialist, Cornell Industrial Innovation Extension Program
 Department: College of Engineering, Cooperative Extension
 Contact: John H. Potter, Cornell Cooperative Extension, 31 Roberts Hall
 Job Number: AO42

Position: Senior Research Associate
 Department: Materials Science Center
 Contact: Prof. William Bassett, Geological Science, 4140 Snee Hall
 Job Number: A031

Position: Extension Associate II of Natural Resources 4-H Youth Development Programs
 Department: Department of Natural Resources
 Contact: Dr. James P. Lassoie, Department Extension Leader, Fernow Hall
 Job Number: A032

Position: Assistant Professor of Natural Resources and Program Leader for Natural Sciences Youth Programs
 Department: Department of Natural Resources
 Contact: Dr. James P. Lassoie, Extension Leader, Department of Natural Resources, Fernow Hall
 Job Number: A033

Contemporary and Jazz Pianists To Be First Artists-in-Residence

By JANE DIECKMANN

A specialist in contemporary music and a jazz artist known as the "keeper of the bebop flame" are scheduled to visit Cornell this semester as pioneers in a new Visiting Artists-in-Residence Program sponsored by the Council of the Creative and Performing Arts (CCPA).

The first to arrive is pianist Martin Goldray, who came to campus Monday, Jan. 27. He will stay through Jan. 31 and return again Feb. 10-14. Jazz pianist Barry Harris is scheduled to be here in April and May.

The CCPA, established in 1968, is composed of faculty representatives from the creative and performing arts disciplines at Cornell. The group promotes and supports the arts at Cornell, publicizes cultural events on campus, and administers funds from university sources to support programs in the arts.

The Visiting Artists-in-Residence Program is a new project for the council. While there have been many one-time visits by poets, writers, and performers in past years, the present program aims to have artists in residence a minimum of four weeks.

Goldray, a specialist in contemporary music, is widely recognized for his performance of the works of Eliot Carter. He will visit classes, lecture, and provide keyboard demonstrations for music students and work with composers while on campus. Goldray also will give a piano recital in Barnes Hall at

8:15 p.m., Jan. 31.

At 4 p.m., today Goldray will conduct a colloquium on "Listening to Recent American Piano Music."

Goldray obtained his bachelor's degree from Cornell, having studied piano with Malcom Bilson. He plays both piano and harpsichord for the New Music Consort, appears regularly with Arthur Weisberg and the Contemporary Chamber Ensemble, and since 1983 he has been a member of the Philip Glass Ensemble.

Harris, who began playing at home at the age of four and later became a church pianist, became intrigued with jazz while in high school. For the past 30 years, he has played and recorded with ur time and has been called the "keeper of the be-bop flame."

His special interest is the Jazz Cultural Center, a nightclub and school he heads in midtown Manhattan. There he offers a mix of beginner's classes in the basics, piano classes, vocal training, and improvisation.

During his spring visit, Harris will give three lectures on the history of jazz and its different styles, new techniques, and the jazz piano as both solo and ensemble instruments in an undergraduate music course. He also will hold jazz

clinics and workshops, lessons with the Cornell Jazz Ensemble, and a talk at the Africana Studies and Research Center about the Jazz Cultural Center.

Chicago Professor Will Give First In Baker Lecture Series Today

Stuart A. Rice, professor of chemistry at the University of Chicago and a specialist in physical chemistry, will speak on "Controlling Selectivity in Energy Transfer and Chemical Reactivity" at 11:15 a.m. today, Room 200 Baker Laboratory, in the first of the eight-week Baker Lecture Series.

The theme of the 1986 series is "Intramolecular Dynamics." Lectures continue Tuesdays and Thursdays, at the same time and place, through March 25, and are open to the public at no charge.

Rice conducts research into the structure of liquids and condensed media, as well as the nature of the interface between phases.

Harris' will give a concert at Barnes Hall April 18.

Jane Dieckmann is an Ithaca-based writer, copy editor, and indexer who writes frequently on music, literature and food.



Stuart Rice



Brief Reports

Extra Bus Runs Added At End of the Day

Extra bus runs have been added to the campus bus routes between 4:30 and 4:50 p.m. weekdays, when most university employees leave work, according to William C. Crissey, manager of C.U. Transit.

As a result, employees riding the bus to the A or B parking lots can expect a bus about every seven minutes between 4 and 5:15 p.m., and then every 15 minutes for the next hour. The last bus run departs B Lot at 6 p.m. and A Lot at 6:15 p.m.

Students May Petition For Assembly Elections

Petitions are available for students who want to seek election to the Cornell University Board of Trustees and the University Student Assembly.

One trustee seat will be up for election this spring; 23 assembly seats will be open.

Petitions for the student trustee seat can be obtained at either of two informational meetings at the Andrew D. White House: at 5:30 p.m. Tuesday, Feb. 4, in the library or at 5:30 p.m. Monday, Feb. 10, room 110.

Petitions for the student assembly seats may be picked up weekdays between 8 a.m. and 4:30 p.m. in the Office of the Assemblies, 165 Day Hall. Additional information is available from the assemblies office.

Student trustee petitions are due Friday, Feb. 14. Student assembly petitions are due Thursday, Feb. 13. Elections will be held March 18 and 19.

The student assembly, a component of the university's non-academic governance system, represents 17,000 graduate and undergraduate students.

There are 23 elected positions on the assembly.

Also available from the assemblies office are petitions to place referenda on the election ballot. These petitions must be returned by 4 p.m. Friday, Feb. 14.

Off-Campus Housing Fair Scheduled Next Thursday

Cornell's fifth annual Off-Campus Housing Fair will be held from 10 a.m. to 3:30 p.m. Thursday, Feb. 6, in the Willard Straight Memorial Room, to provide information to students concerning housing options for next year.

Tables and displays will feature information on places to live-off campus, on-campus housing lotteries, transportation, utilities, energy conservation, landlord-tenant relations, consumer issues, fire safety and crime prevention.

The fair is sponsored by the Off-Campus Housing section of the Dean of Students Office. Representatives from the following agencies will also be available to distribute information and answer questions: City of Ithaca Building Department, Ithaca Fire Department, Tompkins County Cooperative Extension, New York Telephone, NYSEG, Cornell Department of Public Safety, Life Safety Division, Department of Transportation Services, Housing Assignment Office, United Co-ops, and many private landlords and apartment managers from throughout the Ithaca area.

Astronomer to Discuss Return of Halley's Comet

"The Return of Halley's Comet" will be discussed by Cornell University astronomer Joseph Veverka, a member of the International Halley Watch, at 7 p.m. Wednesday, Feb. 5, in Kaufmann Auditorium of Goldwin Smith Hall.

The illustrated lecture is free to the public. Veverka is the team leader of the National Aeronautics and Space Administration's Imaging Systems Science Team, which is developing new cameras for future space missions. Halley Watch, a worldwide organization, is coordinating all ground-based observations of the comet.

Chemical Safety Topic Of Audiovisual Programs

Two new chemical safety audiovisual programs have been developed by the Office of Environmental Health. One is directed to laboratory workers, and the other to general service workers. Both programs were developed to help meet the training requirements of "Right-to-Know" laws.

"Chemical Safety for Laboratory Workers" is a 30-minute program; "Chemical Safety for General Service Workers" is a 15-

minute program. Each program is available as a slide presentation or on a videocassette.

The program for general service workers includes information useful to people who use chemicals but do not need highly technical information. The material presented will be helpful to anyone working with chemicals, including custodians, construction and maintenance workers, painters, photographers, mechanics, farmers, gardeners, dining service and food processing workers, and personnel working with textiles, paper products, and medical supplies, among other products.

Both programs discuss how chemicals enter and affect the body, symptoms of chemical exposure and injury, acute and chronic toxicity, sensitization, and guidelines to help people use chemicals safely. Each program also covers information specific to the needs of the trainee group.

Campus Club Lecture Series Will Begin Feb. 6

The Campus Club Lecture Series, an annual collaborative program between the Herbert F. Johnson Museum of Art and Cornell University Campus Club, is scheduled for Thursday mornings in February.

Featured will be talks by museum staff on Johnson Museum exhibitions and permanent collections as well as a lecture by a local paper conservator. Selected galleries with related artwork will be open at 9:30 a.m. for the audience before each lecture. The lectures will begin at 10 a.m. in the lecture room and are free and open to the public.

Campus Club of Cornell is open to women in the Cornell community: graduate students, wives of graduate students, employees, and wives of employees.

Feb. 6: Cynthia Wayne, assistant curator at the Johnson Museum, will give a talk to complement "New York State Artists V," an exhibition of regional art on view from Jan. 21 to March 16.

Feb. 13: Dan Clement of Clement Conservation Conservatories from Trumansburg, will discuss "Aspects of Conservation."

Feb. 20: Nancy Green, curator of prints and photographs at the Johnson Museum, will give a lecture entitled "Whisler's Venetian Prints."

Feb. 27: Thomas W. Leavitt, director of the museum, will speak on "Hans Hinterreiter," an exhibition of this Swiss constructivist's "color music" on view from Jan. 28 through March 23.

Folk Guitar Lessons Will Begin Feb. 3

Phil Shapiro's group folk guitar lessons will again be open to the general public this term at Willard Straight Hall.

Eight one-hour lessons will be held Monday nights in the International Lounge. First lesson is Monday, Feb. 3. Students register by coming to the first lesson and must supply their own guitars.

Beginners meet at 7 p.m. This is the class for those who have never played at all, or who have played just a little. It starts at the very beginning, assuming no prior knowledge.

Intermediates meet at 8 p.m. This class is for players with some experience who want to learn fingerpicking and how to break out of repetitive patterns.

Persons who are undecided come to both the first night. The entire course costs \$24, payable at the first lesson. For further information, call Shapiro, 844-4535.

Personal Growth Workshops Begin Week of Feb. 10

A new series of Personal Growth Workshops begins the week of Feb. 10. The workshops are free, confidential and open to all members of the Cornell community. The emphasis is on learning new skills and concepts.

Topics for this series include assertiveness, building self-esteem, building satisfying relationships, stress management, general personal growth; women, food and self-esteem; coming out (for men); lesbian? bisexual? a support group for women; overcoming writers' block (for graduate students only); and new freshmen and transfer support groups.

Signups will begin today. For more information or to sign up, call 256-3608, or stop by 103 Barnes Hall.

First Shabbat of Year To Feature Cowans

Paul and Rachel Cowan will be the speakers at the first Shabbat of the spring semester at Cornell's B'nai B'rith Hillel Foundation, Friday, Jan. 31, and Saturday, Feb. 1. Paul is a staff writer at the Village Voice. His book, "An Orphan in History," told the story of his gradual discovery of his Jewish roots after growing up in an assimilated family.

Rachel converted to Judaism after 15 years of marriage. Her forbears came to America from England in the 1640s. She is now a rabbinical student. Both of them have been active in the peace and civil rights movements.

They are working on a book about intermarriage and are very interested in talking with people who are involved in Jewish/non-Jewish relationships, as well as with children of mixed marriages.

On Friday evening, they will tell their stories after dinner. This session is free and open to everyone, beginning at about 8 p.m. (Dinner reservations, for which there is a charge, may be made at the Hillel Office, G-34 Anabel Taylor Hall.) The sessions will take place in the One World Room of Anabel Taylor.

On Saturday, from about 1:30 to 5:30 p.m. they will conduct an open workshop-discussion on "Jewish Identity, Intermarriage, and Conversion." The entire program is made possible by the Marjorie and Irwin Nat Pincus Fund, in honor of Anne Pincus, Cornell '74. For more information call the Hillel office at 256-4227.

Computer Services Offers Workshops

Announcements describing Cornell Computer Services' spring semester workshop series are available at all staffed terminal facilities of CCS.

This term, the series will be presented in two parts. Sessions scheduled before the spring break are described in current listings. An additional announcement for sessions offered after spring break will be distributed in mid-March. Most topics in the first half of the term will be repeated after the break.

Registration for CCS workshops is by a form that should be mailed or delivered to G-02 Uris Hall. Participants are encouraged to register early because sessions fill up rapidly, according to Irving Wiswall, workshop chairman for CCS.

Sessions on how to select a microcomputer, as well as introductions to the Apple Macintosh, IBM-PC, and the IBM and DEC mainframe computers will be offered at the beginning of the semester. A workshop on Excel, an integrated spreadsheet package, will be offered for the first time.

Other topics include operating systems and application packages for the Apple Macintosh, the IBM-PC, and the IBM and DEC mainframes; word processing; spreadsheets; graphics; data base management; statistical packages; communications; and programming languages.

Alumni from Taiwan Plan Cultural Exhibition

The Cornell Federation of Alumni from Taiwan and Chinese Cultural Club, in celebration of the Chinese Lunar New Year, will sponsor a cultural exhibition Monday and Tuesday, Feb. 3 and 4, from 10 a.m. to 5 p.m. in the West Lounge of Statler Hall.

The exhibition, entitled "Echo: Economics Miracle, Chinese Culture and Heritage on the Beautiful Island Taiwan," will provide a general view of Chinese culture as well as a general introduction to Taiwan. Featured will be a video show, a slide show and a demonstration of Chinese calligraphy and painting.

The event is cosponsored by the GAFC, China-Japan Program. For further details contact Der-Hwa Victoria Rau at 273-6103, or Bao-Ji Chen at 257-5761.

SAGE CHAPEL

CURW Assistant Director Gail Riina to Talk

Gail V. Riina, assistant director of Cornell United Religious Work (CURW), will speak at Sage Chapel at 11 a.m. Sunday, Feb. 2. Her topic will be "Fig Trees and Second Chances."

A native of New York, Riina comes to Cornell from George Washington University where she served for eight years as co-chaplain of the Newman Foundation (Catholic community). She has also been working on an Ed.D. degree in counseling and human development at George Washington University. Riina received a B.A. degree in psychology, with honors, from Gettysburg College in Pennsylvania in 1973 and a master of divinity degree from Yale University Divinity School in 1976. While at Yale, she participated in the Clinical Pastoral Education Program at Yale New Haven Hospital.

Music for the service will be provided by the Sage Chapel Choir under the direction of Donald R. M. Paterson, university organist and Sage Chapel choirmaster.

Blood Pressure Clinics Planned During Term

Several open blood pressure clinics will be held during the next two months on campus, sponsored by the Tompkins County Department of Health.

Dates, places and times for the clinics are:
Feb. 4, Research Park, Langmuir Penthouse, 1:30-3:30 p.m.

Feb. 11, East Hill Plaza Offices, 9:30 a.m.-12:30 p.m.

Feb. 14, Schoellkopf, Hall of Fame Rm., 8:30 a.m.-12:30 p.m.

Feb. 18, Riley Robb Hall, Rm. 205, 8:30 a.m.-12:30 p.m.

Feb. 20, Residence Life, West Campus, 8:30 a.m.-noon; N. Balch, Unit 1 Lounge, 1-3:30 p.m.

March 4, Corson/Mudd Bldg., 8:30 a.m.-1:30 p.m.

March 5, Uris Hall, Rm. 202, 8:30 a.m.-noon.

March 18-19-26, Humphreys, 1:30 p.m.-4 p.m.

Lunchtime Byte Seminar About Computer Graphics

"Computer Graphics Tutorials on the Logic, Application and Design of Architectural Grammars" will be the topic for Arch B. Mackenzie, associate professor of architecture, in the first of the spring semester Lunchtime Byte Seminars, sponsored by Cornell Computer Services.

The talk and demonstration will be given from 12:20 to 1:10 p.m. Thursday, Jan. 30 in 100 Caldwell Hall, and is open to the Cornell community.

Mackenzie will discuss tutorials he has developed employing architectural grammars as guides for designing buildings. Using these tutorials, students can select and manipulate grammatical elements from catalogs of architectural concepts and details, make new entries in catalogs, evaluate alternatives and break rules to create better solutions.

The architectural grammar software is being developed on IBM-PC-ATs, graphics controllers and displays that were obtained through Cornell's Project Ezra grant.

Other Lunchtime Bytes speakers, at the same time and location, include Slava Paperina, Modern Languages and Linguistics, on Feb. 13, and Tammo Steenhuis, agricultural engineering, on Feb. 27.

James Law Lecture Scheduled Today

Dr. Arsene Burny will speak on "New Aspects of Bovine Leukemia Virus" at 4:30 p.m. today in the James Law Auditorium on the campus of the College of Veterinary Medicine.

The lecture is the third in the James Law Distinguished Lecturer Series and is free and open to the public.

Dr. Burny is professor in the Department of Molecular Biology at the University of Brussels.

A Presidential Invitation Issued

There are a limited number of openings available for Cornell students interested in having breakfast with President Frank Rhodes, according to his office staff.

The breakfasts are held from 7:30 to 8:30 a.m. in the Elmhirst Room, Willard Straight

Hall at various times throughout the semester.

Reservations are made on a first-come, first-served basis. Students interested are invited to call Rhodes' office at 256-5201 to make a reservation.