



CORNELL CHRONICLE

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Thursday, October 31, 1974



Visitors Entertain Hosts

Host families and foreign students are entertained by Thai dancing following the annual Host Family-Foreign Student Dinner held last Sunday evening in the One World Room, Anabel Taylor Hall.

NSF \$500,000 Grant

Computer Aids Visualization

With the aid of a half million dollar grants from the National Science Foundation (NSF), Cornell has established a Program of Computer Graphics aimed at amplifying man's basic thought process of visualization.

Donald P. Greenberg, professor of architecture, has been named director of the program which has already attracted interest for possible uses from researchers in such varied fields as astronomy,

biological sciences, chemistry, psychology, demography, city planning, political sciences, climatology and many areas of engineering and design where visual simulation is a basic requirement.

Greenberg, who has been in the forefront of the development and refinement of computer graphics, is principle investigator of the NSF grant scheduled to run over a three-year period. The grant provides for the further

development of computer graphics input and display techniques and for the demonstration of these techniques in research applications.

Greenberg described in detail one particular application of the technique to architecture in the May issue of "Scientific American." A demonstration of this application also has been seen widely on campus in a film he has produced titled "Cornell in Perspective." The film takes one on a walk through the "Arts Quadrangle" as it appeared in 1900 including the trolley which can be seen moving past the now-demolished Boardman Hall. The pictures, color and motion in the film are all produced by a series of programmed mathematical equations.

This capacity to produce almost instantaneously three-dimensional images in motion and color and from all imaginable angles and distances can be utilized for both theoretical and practical applications. For example, by feeding the computer rough sketches and dimensions, and by having a "menu" of standard details, it is currently possible to produce finished architectural line drawings. In addition to finished drawings, cost estimating, energy analysis, structural and mechanical computations can be produced.

On the theoretical level, the technique can be used in model building.

Model building includes the educated guesses theoretical
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Computer to Control CU Energy Levels

In its continuing efforts to conserve energy and control costs, Cornell plans to install a computer system within the next six months which will automatically limit electrical demand to predetermined levels during high-use periods on campus.

The computer will monitor the electrical power used by the numerous air-conditioning and environmental control units on campus, many of which operate year-round. The system, in conjunction with an existing central supervisory control panel, will remotely shut off certain units for brief periods in order to prevent excessive demand peaks.

For example, last May 3 power demand at the endowed substation reached 15,800 kilowatts for a 15-minute period beginning at 11 a.m. Demand never reached this peak again

during the entire month of May. However, due to the method of billing by the New York State Electric and Gas Co. for both consumption and demand the University had to pay a demand rate for the month of May based on the May 3, 15-minute peak. The demand rate is established because the power company is forced to keep a certain amount of service capacity on standby to meet such demand surge consumption. Each month the power bill is in part determined by the peak 15-minute demand during that month.

By cutting down on the peak surges, the University will not only save costs on demand rates but also on actual consumption.

Authorization for installing the computer, known as the System 7 Demand Limiting Computer, was made by the University Board of Trustees at its October
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—BUDGET— Knapp Outlines Academic Aims

Cornell Provost David C. Knapp said he met with the Dean's Council Tuesday morning (Oct. 29) and discussed preliminary income and expenditure guidelines for the 1975-76 budget with the deans.

He said, "The deans are in the process of assessing the impact of the preliminary guidelines on their individual units. I have scheduled budget conferences with the deans over the next two weeks."

Knapp said, "We are dealing with preliminary guidelines and final budgetary decisions will not be made until my discussions with the deans are complete."

"I am releasing the background assumptions upon which the preliminary guidelines are based. Because the specifics of the preliminary guidelines are being discussed with the deans and are, therefore, still subject to change, they will not be released at this time."

Here is the background statement:

"The preliminary budget guidelines for fiscal year 1975-76 must be considered in a perspective of the overall expenditure and income assumptions under which Cornell University will operate during the next fiscal year.

"General purpose expenditures for maintaining the University's

present program are projected to increase in 1975-76 by some 12.5 per cent, or a gross total of \$8 million. The major portion of this increase is a result of inflationary pressures on the University. Its components include increases in the cost of supplies, equipment, library acquisitions and energy; an increase in faculty and staff salaries in the endowed units; an increase in financial aid; and an increase in repairs to and rehabilitation of the physical plant. The 12.5 per cent expenditure increase figure falls short by some \$1.5 million of needs identified by the colleges and libraries, and by an additional \$1.5 million or more of needs for completely adequate plant maintenance and support services.

"Looking at projected income (exclusive of tuition), one finds a projected increase in gift income of some \$1 million, a figure which is optimistic and which implies some reordering of fund-raising priorities. Also, there is anticipated a small increase in recoveries from federal and foundation funds, but these will be more than offset by a projected decrease in public appropriations totaling some \$400,000. Investment income is estimated to remain about

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Lawrence Has Details On Support Services

Further details on the guidelines proposed in developing the Cornell University budget for the fiscal year beginning July 1, 1975, were contained in a statement Wednesday (Oct. 30) by Vice President for Administration Samuel A. Lawrence.

His comments, which pertain directly to support services at the University, follow:

"On Tuesday (Oct. 29), University Provost David C. Knapp presented preliminary budget guidelines to the deans of the schools and colleges of the University. He pointed out that in order to close a portion of the gap between expected expenditure increases and a slow-down of income growth, all the colleges, schools and support

services of the University must assume a shared responsibility for expenditure reductions. These reductions will be accomplished through controls on hiring and curtailment in the scope of certain supplemental programs and services.

"As part of the budget-planning process, division heads in the support services sector of the University have been asked to assess the impact of a \$600,000 reduction in supplemental programs and support services and to identify activities which would result in permanent saving through an explicit decision to eliminate or scale back present services.

"As an additional action, a 5 per cent saving in present
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Cornell Research Foundation

Tyler Appointed President

Winfield W. Tyler has been elected president of the Cornell Research Foundation (CRF) and appointed assistant to W. Donald Cooke, vice president for research at Cornell University and chairman of the board of CRF.

Tyler's appointment will bring him in close contact with many aspects of the University's research programs, patent procedures and policies. Tyler himself is the inventor on six patents and the author of thirty scientific publications. He is currently on leave from the Xerox Corp., which is continuing to provide him financial support. At Xerox, he was staff vice president for corporate research, responsible for identifying scientific and technological areas of strategic importance to Xerox and carrying out scientific liaison activities within Xerox and with university, government and industrial laboratories.

Cooke said that Tyler's long experience in industrial research and patent work makes him highly qualified to help the University increase and improve its activities in obtaining and administering patents on research findings made by faculty members. Other credentials which make Tyler "uniquely suited" to the post, Cooke said, are his bachelor's and doctoral degree in physics, granted by Cornell in 1943 and 1950, respectively, and his wide acquaintance with Cornell faculty and staff.

"I feel my responsibility is to increase the interest in and output of patentable ideas from research in the University," Tyler said, "without diminishing major educational and research objectives and continuing publications. I also hope to develop, sometime in the future,



Winfield W. Tyler

an enhanced licensing program which will provide a significant return to the inventors and to the University in the form of licensing royalties and continuing support from various industries. The program should also enhance technology transfer from government and state-sponsored work to commercial application."

A veteran of 25 years in industrial research activities, Tyler said he hopes to foster more interaction between Cornell and outside industries. This is particularly important, he said, first because funds for research and development expenditures in industry are growing faster than in universities. Also, more graduate students from Cornell will be going on to positions as researchers for industrial organizations rather than to universities. He added that the next 10 years would show a marked increase in the percentage of these students entering applied research fields with large corporations.

High among Tyler's priorities as CRF president is an examination of Cornell's patent policies to date. The CRF is a wholly owned subsidiary of Cornell, formed to administer the University's patent and copyright holdings.

"I think there's a feeling among some members of the faculty that they receive more recognition for a paper published than for a patent granted," Tyler said. "Yet the patent is very important, both to the public at large, in terms of goods and services to society which the invention may help expedite, to the University, since licensing royalties from patents can help to support further research, and to the inventor in terms of royalties in the future. In many cases the basic research scientist, with the proper motivation, can first identify eventual applications of the basic information generated through his research."

Tyler joined Xerox in 1962 as director of its Fundamental Research Laboratory. He became assistant vice president in 1964, maintaining his position as laboratory director. In 1965, while still assistant vice president, he assumed the directorship of the entire Research Division. From 1966 to 1970, he was vice president and manager of the Rochester Research Laboratory—Research Laboratories Division. He was named vice president and manager of the Research Laboratories Department, Business Products Group in 1970, holding that position for two years before his promotion to staff vice president.

Actively associated with Cornell over the years since his graduation, Tyler has served as a member of the Cornell University Council and of the Engineering College Council since 1967, and of the Visiting Committee of the Materials Science Center since 1970. He belongs to the Cornell Club of New York City.

Tyler was the General Electric Co. Coffin Fellow in 1948-49. His other honors include membership in the scientific fraternities Phi Kappa Phi and Sigma Xi. He has been a member of the Cosmos Club of Washington, D.C. since 1969. A Fellow of the American Physical Society, Tyler has served on a host of advisory committees for the Air Force Office of Scientific Research, the U.S. Department of Commerce, the National Science Foundation, the National Aeronautics and Space Administration and the University of Rochester.

A graduate of the 1973 Advanced Management Program of the Harvard Business School, Tyler has also been associate editor for *Physical Review* (1961-1964), *Materials Research Bulletin* (1966-present) and *Solid State Electronics* (1968-present).

Job Opportunities
At Cornell University

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

POSITION (DEPARTMENT)

Sr. Admin. Secretary (Trainee) (President's Office)
Administrative Secretary, A-15 (Engineering Dean's Office)
Department Secretary, A-13 (Planning Office)
Department Secretary, A-13 (Psychology)
Department Secretary, A-13 (Electrical Engineering)
Department Secretary, A-13 (University Development)
Steno II, NP-6 (Nutritional Sciences)
Administrative Secretary, NP-8 (A&S - Associate Dean's Office)
Steno III, NP-9 (NYSSILR)
Sr. Account Clerk, A-13 (Bursar's Office)
Sr. Account Clerk, A-13 (Accounting)
Principal Clerk, A-14 (Bursar's Office)
Searcher I, A-13 (Portuguese) (Library)
Records Clerk III, NP-8 (Vet College)
Key punch Operator II, NP-6 (Plant Breeding & Biometry)
MTST Operator, A-13 (Business & Public Admin.)
Administrative Aide I, NP-11 (Cooperative Ext. (4-H Office))
Administrative Assistant, A-24 (VP for Campus Affairs)
Senior Auditor (Auditor's Office)
Assistant Counsel (University Counsel)
Assistant Librarian (2) (Library)
Assistant Editor (University Press)
Science Writer (Public Information)
Extension Specialist (Recruitment) (Cooperative Extension Admin.)
Extension Specialist (Cooperative Extension (Albion))
Extension Specialist (Cooperative Extension (Highland))
Extension Associate (Human Dev. & Family Studies)
Area Manager (Dining Services)
Executive Director (CUDR)
Assistant Dean (Graduate School)
Assistant to the Dean (Architecture, Art & Planning)
Associate Registrar (Registrar's Office)
Asst. Athletic Trainer (Physical Education & Athletics)
Announcer - Operator (WHCU)
Employment Manager (Personnel Services)
Associate Director (Personnel Services)
Director (University Development)
Lab Technician I, NP-8 (Genetics, Dev. & Physiology)
Lab Technician I, NP-8 (Plant Breeding & Biometry)
Lab Technician I, NP-8 (LAMOS (Canton, N.Y.))
Lab Technician I, NP-8 (2) (Food Science)
Technical Aide, A-17 (Lab of Plasma Studies)
Clinic Assistant I, NP-8 (1) (LAMOS)
Research Associate (Lab of Nuclear Studies)
Research Technician III, NP-12 (Vet College)
Extension Specialist (Plant Pathology)
Electrical Engineer, A-28 (B & P)
Mechanical Engineer, A-28 (B & P)
Chemical Analyst III, NP-17 (Vet College)
Synchrotron Operator (Lab. of Nuclear Studies)
Boiler Operator, A-18 (B & P)
Multilith Operator, A-15 (Graphic Arts)
Experienced Machinist, A-19 (Lab of Nuclear Studies)
Synchrotron Technician, A-17 (Lab of Nuclear Studies)
Dining Supervisor, A-18 (Dining Services)
Cook I, A-15 (Chi Phi)
Short Order Cook I, A-14 (Dining Services)
Programmer I, A-19 (MSA)
Programmer, A-19 (CRSR)
Chilled Water Plant Operator, A-20 (B & P)
Assistant Foreman, A-22 (1) (Buildings & Properties)
Maintenance Mechanic, A-20 (B & P)
Technical Associate, NP-16 (Agricultural Engr.)

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

PART-TIME AND TEMPORARY POSITIONS

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

Temp. Service - Laborer (Vet Admin. (temp. f/t))
Typist (Personnel (temp. p/t))
Clerk, A-11 (Safety (perm. p/t))
Temp. Service - Clerical (CUDR (temp. p/t))
Clerk-Typist, A-11 (A&S Admissions (temp. p/t))

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Sage Notes

Resources for the Future, Inc. announces their annual competition for Resources of the Future Doctoral Dissertation Fellowships in natural resources. They provide a basic stipend of \$4500 plus allowances for dependency, research expenses, etc., for an academic year to be devoted to dissertation research. Proposed research must relate to natural resources, their products or their services and must involve the Social Sciences or related fields of study. Information is available in the Fellowship Office, Sage Graduate Center.

The Belgian American Educational Foundation, Inc. has announced that it will award fellowships for advanced study at one of the Belgian universities or other institutions of higher learning for the coming academic year. Candidates must be American citizens, under 30 years of age, be working toward a Ph.D. or equivalent degree and have a speaking and reading knowledge of French or Dutch. Additional information can be obtained from the Fellowship Office, Sage Graduate Center. The deadline for receipt of applications is Jan. 31, 1975. There are no restrictions on area of study.

NSF graduate preliminary application forms have *not* arrived yet but should be in the Fellowship Office, Sage Graduate Center in about a week.

Nov. 8 is the deadline for graduate students to file change of course forms. These register a change from credit to audit and a drop of a course. The forms must have the signature of instructors of relevant courses and Chairman of student's Special Committee.

Cornell Medical Center

New Kidney Center Is Dedicated

The newly completed Evelyn Rogosin Pavilion of the Rogosin Kidney Center at the Cornell Medical Center in New York City was formally dedicated on Oct.

9. The new facility is located on the third floor of the Guggenheim Building, at 422 East 72nd St.

Speakers were Lionel Rogosin, son of Evelyn and the late Israel

Rogosin, R. Palmer Baker, Jr. on the Board of Governors of The New York Hospital, and Dr. David D. Thompson, Director of The New York Hospital. After the ceremony a reception was held in the Griffis Faculty Club where Dr. E. Hugh Luckey, president of The Medical Center, made a few remarks.

By naming the new unit in honor of Evelyn Rogosin, The Medical Center honored the benefactions of The Rogosin Foundation in support of kidney

disease treatment and research.

The new pavilion represents a significant expansion of the out-patient division of the Rogosin Kidney Center. It not only allows an increase in the number of patients who can be treated, but also introduces important refinements in the type of care available.

Presently, the out-patient center occupies the fifth floor of the Guggenheim Building, and consists of 14 dialysis machines.

Computer Saves Energy

Continued from Page 1

meeting on campus.

According to Robert H. Clawson, utilities rate engineer and the man in charge of the project, it is expected to save up to \$40,000 in electrical power costs during the first year of operation. He pointed out that initial installation and rental costs will be approximately \$25,000 for the first year, resulting in a net saving of \$15,000 in that year alone.

The long-term benefits become clear, he said, when one considers that the rental and 100-per-cent maintenance costs will drop to about \$10,000 after the first year and that many additional existing buildings and systems can be connected to the computer.

In addition, he said, while these rental and maintenance costs are expected to remain relatively level, there will be sizeable increases in savings in

subsequent years through the monitoring system, in light of the predicted increases in electrical power rates.

The unit will be installed in the Julius F. Weinhold Chilled Water plant. It will receive signals directly from the power substations that feed the endowed and statutory sections of the campus. When the computer detects that power demands are about to exceed a programed maximum level, it will begin to shut off units throughout the campus for short periods based on a program of priorities.

The combined computer/control panel operation can control 10,000 separate temperatures, starters and other environmental items.

The electrical equipment which comprise the list of shedable loads serve building systems which can be interrupted for short periods with no adverse effect on the University operation.

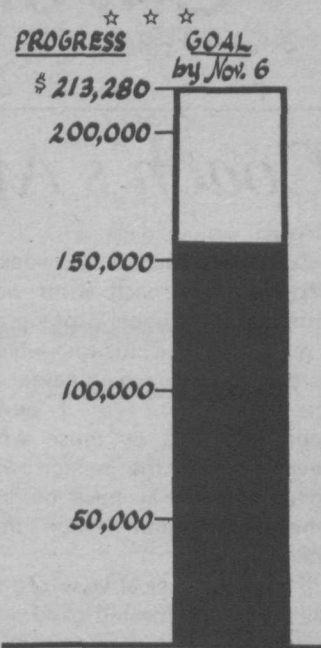
Postdoctoral Research 1975 Funding Announced

The National Research Council (NRC) announces the Postdoctoral Research Associateship programs for 1975. These programs, to take place in participating federal research laboratories, provide opportunities for basic and applied research to postdoctoral and senior postdoctoral scientists and engineers of unusual ability and promise. Stipends are \$15,000 for regular research associates, and appropriately higher for senior research associates (who must have at least five years of postdoctoral experience).

Deadline for receipt of applications is Jan. 15, May 15, and Sept. 15, 1975 for awards to be made in March, July, and November respectively.

Further information is available at the Office of Academic Funding, 123 Day Hall. Requests for application materials, to include the specific federal laboratory of interest, should be sent to Associateship Office, JH 606-P, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

Cornell University United Way Campaign



The Cornell University United Way Campaign has received another \$41,000, which brings the total so far to \$156,000 or 73 per cent of this year's goal. Robert W. Spalding, chairman of the Cornell campaign, again urges everyone to turn in his pledge card and help make this a successful campaign.



Calendar

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Bilson, piano. Works of Beethoven, Schubert, Debussy and Chopin. Barnes.

6 - 8 p.m. *Sunday Smorgasbord. Statler Inn. For reservations call 257-2500.

7 p.m. Table Tennis Clinic Followed at 7:30 p.m. by Round Robin Singles. Barton. Newcomers welcome.

Exhibits

History of Science Collections: Coaching and Carriage Design. Nov. 1-30. 215 Olin Library.

Herbert F. Johnson Museum: Oded Halahmy. To Nov. 10. Born in Baghdad, Iraq, in 1938, this exhibition is on display outside of the Museum.

Mallorca: Miro. To Nov. 17. 36 prints produced by Miro in this the 8th decade of his life.

American Art in Upstate New York. To Nov. 24. Including 122 modern American drawings and paintings and 26 sculptures by artists such as Leonard Baskin, Alexander Calder, Franz Kline, Robert Motherwell, Andrew Wyeth and others. Hours: Monday closed all day; Tuesday-Saturday 10-5; Sunday

11-5; Wednesday open in evening until 9.

Olin Library: "Maxfield Parrish, American Artist, 1870-1966." Parrish was one of the most successful popular artists of his time. His work, reproduced in books and magazines, as art prints and on calendars and playing cards, will be exhibited until Dec. 15.

Sibley Dome Gallery: Art Dept. Faculty Show. To Nov. 8.

Uris Library: "The Hopi Indians of the Southwest, Their Art and Culture." The exhibition, featuring Kachina dolls, pottery and weaving is drawn from the personal collection of Cornell Professor Emeritus W. Storrs Cole.

Van Rensselaer Art Gallery: Room 317. 30 Contemporary serigraphs from Pratt Graphics Center. To Nov. 19.

Announcements

Friday, November 1. 1-5 p.m. "An Afternoon of Lenny Bruce" recordings from the collection of the Uris Library Listening Rooms, held in Uris Library Classroom, lower level, Room L-04.

The deadline on entries for Intramural Swimming (team championship) is Monday, Nov. 4 at 2 p.m. in the Intramural Office, Grumman Squash Ct. Bldg.

The deadline on entries for Intramural Basketball is Tuesday, Nov. 5 at 2 p.m. in the Intramural Office. A minimum of nine will

be accepted on a roster. Play starts Nov. 18.

The deadline on entries for Co-Ed Intramural Basketball is Tuesday, Nov. 5 at 2 p.m. in the Intramural Office, a minimum of ten (equal number of men and women) on a roster.

Cornell University Press

Haupt, Georges and Jean-Jacques Marie, editors: MAKERS OF THE RUSSIAN REVOLUTION: Biographies of Bolshevik Leaders. Publication date was Oct. 4, 1974, \$15.00

von Wright, Georg Henrik, editor: LUDWIG WITTGENSTEIN: Letters to Russell, Keynes, and Moore. Publication date was Oct. 7, 1974, \$9.75. (G.H. von Wright is Research Professor of the Academy of Finland and Andrew D. White Professor-at-Large, Cornell University.)

* Admission charged.

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

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

Barton Blotter

Attempted Armed Robbery in Bookstore Foiled

An attempted armed robbery (foiled when a clerk turned her back and walked away) and another large collection of petty thefts filled morning reports from the Safety Division during the past week.

The armed robber approached a clerk in the Campus Store and demanded that she fill an empty tennis racket case with money. He carried a gun and was identified as a black male, six feet tall, 24 to 25 years old, wearing gold wire-rimmed glasses, black vinyl jacket and a light blue flat-top hat with brim. The clerk ignored his request and he left the store. The suspect has not been found.

One of the thefts during the week was of five plastic bar stools and four moulded chairs taken from the first floor lounge of Noyes Student Center sometime during the past month.

Largest value attached to stolen goods was to two oscilloscopes, two timers and two amplifiers from a room in Rockefeller Hall, with a total value of \$2,560.

Other thefts and their locations are:

A cassette tape player from an unlocked car in the parking lot at 722 University Ave.; a Texas Instrument pocket calculator from a room at 722 University Ave.; a wallet containing \$4 in cash from a

purse left unattended on a table in the Ivy Room of Willard Straight Hall; a purse containing \$40 in cash from outside Bailey Hall.

Also, the front wheel from a bicycle left outside Risley Hall; a painting from a hallway in Clara Dickson Hall; a chair from a study room in Balch Hall; a pocket calculator from a store room adjacent to the Small Animal Clinic; wallets from a purse left unattended in Upson Hall, containing some \$500 in checks and cash; a parallel bar from the third floor of Rand Hall.

Also, two bottles of champagne from the Andrew Dickson White House; a purse containing \$15 in cash left unattended during a party at Psi Upsilon; a projector lens from a Carousel slide projector in Martha Van Rensselaer Hall; a wallet containing \$8 in cash and a backpack from an unlocked locker in Teagle Hall.

Also, potatoes dug from 60 to 70 hills of potatoes planted in an experimental field next to Game Farm Road; beige window curtains from a corridor in Balch Hall; a Schwinn 10-speed bicycle which was left secured in the basement of Chi Phi fraternity; a wallet from an unsecured locker in Teagle Hall, containing \$90 in cash.



CORNELL
CHRONICLE

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Chronicle Comment

Chronicle Comment is a forum of opinion for the Cornell community. Comment may be addressed to Liz Helmer, managing editor, Chronicle, 110 Day Hall.

Coach's Approach Receives Praise

Editor:

The short feature in last week's *Chronicle* on Coach Bluitt was refreshing and hope-inspiring as it relates to the spirit with which he begins his coaching career at this institution, the views apparently held by those who hired him, and the impact such an approach may have on the athletic program at this university.

If in the classical view of the value of the cultivated mind and body we hope to restore that wholistic concept to our educational community, it will surely come through an approach like that espoused by Coach Bluitt. Namely, as an "honorary" for those of high psychomotor skills in a defined area (basketball prowess), our basketball program shall serve as an exemplary endeavor for the entire campus as to the validity,

the worthiness, of such a development of one's self. The goal is the achievement of "whole-personhood," a fullness of maturity, and the game of basketball can serve as one helpful avenue to such an achievement.

By the learning resulting from such teaching by Coach Bluitt one may learn the joy of playing to play and *not* playing to win or to avoid losing. In that kind of a game we can *all* be winners.

But the success of such a program depends upon the support by the university community of these noble goals. This commitment must be shared by a significant number of students and faculty.

In that regard, the same issue of the *Chronicle* carries an article from Teagle Hall concerning the schedule for the upcoming season and unfortunately does

not convey that spirit nor is it reflective of a dedication to the same goals as outlined by Coach Bluitt. A "sagging basketball program" was measured in that article by the worst won-loss record in Cornell history. Such communications in effect tell the young coach that his ambitious program will be judged on the same basis. The reference to other teams as *opponents* is a further commentary on someone's view of the nature of athletic participation. To change such views is a very difficult task.

Good fortune in your "schedule of opportunities" this year, Coach Bluitt, and in the development of your educational program. Keep working, teacher, on those lessons and your season will be perfect.

Ronald L. Hullinger, DVM
Visiting Associate Professor
Veterinary Anatomy

CCAR Clarifies Position

Editor:

In a description of the open hearing of the Trustees' Committee on the Status of Minorities in the Oct. 17 *Chronicle*, members of the Campus Coalition against Racism were reported to have criticized the Committee as a "delaying tactic." As the members of CCAR who presented CCAR's statement at the hearing, we would like to correct this report, and clarify CCAR's position on the status of minorities at Cornell.

CCAR has, at present, no position, as a group, on the question of whether the Trustees' Committee is a delaying tactic. While many members of CCAR do view the Committee in this light, none of us, as it happens, voiced this view at the meeting. We did describe grave racial inequalities at Cornell, which have not been changed significantly by current programs. According to the latest

figures available to us (which have not significantly changed up to the present) 45 out of a total of 1511 faculty are members of minority groups (Black, Latin, or Oriental. There are no Native American faculty). While 18 per cent of Cornell's service workers (maids, janitors, etc.) are minority group members, these groups comprise 4 per cent of the skilled and semi-skilled workers (machinists, electricians, truck-drivers, etc.). At the hearings, none of these figures was challenged as significantly wrong, nor was there any challenge to our view that changes in recent years have been minute or non-existent.

In response to these needs, CCAR made two proposals, which provoked considerable discussion. Neither was reported in the *Chronicle*. We propose that new faculty positions be created in addition to present ones, most of which would be

reserved for minority and women teachers. These openings should be given preferentially to departments with large class sizes. They should not be created at the cost of decreasing faculty or staff salaries, or increasing tuition. Secondly, we propose that a job-upgrading program be set up for service and unskilled workers, with priority placed on minority and women workers, especially the former.

A CCAR petition is now being circulated which puts forward these proposals with further details and, in addition, opposes any tuition increases or scholarship reductions which would force students (especially minority and working class students) to leave Cornell for financial reasons.

Debra James
(Arts, '75)
Richard W. Miller
(Asst. Prof., Philosophy)

Students and Odd Jobs United

In the first three months of its existence, the "casual labor service" offered by the Cornell Student Employment Office has provided students with 123 odd jobs worth about \$50 each in earnings, according to James F. Lyon, director of student employment.

Any University employer who wishes to secure student employees for jobs lasting less than three weeks may take advantage of the casual labor service, Lyon said. Employers are charged for the amount of the student's wages. There are no additional charges for using the service, and the employing

department incurs no payroll responsibility or paperwork. Student employees are paid with minimum delay.

Any full-time Cornell student may apply for jobs through the casual labor service, whether or not he or she is already receiving financial aid. Some of the jobs students have performed include typing and filing, handing out pamphlets, and coding computer forms.

Clarke Blynn, Arts '78, earns \$2.10 an hour delivering plastic bags to paper recycling cans around campus. He has also worked moving office furniture in Martha Van Rensselaer Hall.

Blynn says the money he earns "helps a lot" in meeting his everyday expenses.

Amy Greer, Ag '78, has held several jobs from time to time under the casual labor service. One of Greer's positions consisted of pouring champagne at a reception at the Johnson Art Museum. Greer says she "had a good time" while earning some extra money.

Prospective employers and employees who would like to take advantage of the casual labor service should call the Student Employment Office, 203 Day Hall, at 256-7365.

'Personnel Board Needs to Act'

Editor:

Due to ill health at the time, I was not able to respond promptly to the article by Aaron Segal (or the Editor's note) which appeared in the Sept. 12 issue of the *Chronicle* concerning the Cornell Children's Tuition Policy and the statement that it is discriminatory. However I feel the issue important enough to respond now so that the community can be enlightened to several vital facts.

Last year the fourth Senate, as the governing body of Cornell, passed Bill No. D-78a which called for the Personnel Planning and Policy Board to deal with the unjust and unequal present benefits of the Cornell Children's Tuition Program. This bill recommended that the Program be changed to provide equity among faculty, exempt and non-exempt employees alike. The bill was considered for two years by the "University As An Employer" committee before being brought to the Senate floor, simply because no one in the whole University complex could estimate the additional cost of a change in the program. No one can yet, but the Senate still felt that the present benefit *did* discriminate and therefore the bill was passed by the fourth Senate.

There are several ways to eliminate burdensome cost factors. One would be to increase the eligibility waiting

period for new faculty and exempts and thereby being able to lower the waiting period for all non-exempts. Such decisions were left for the Personnel Planning and Policy Board to delve into.

It is my opinion that Vice-Provost Risley's comments about why nothing was or has been changed to date do not hold water. The State had already allocated the salary increases for the statutory employees and the cost to Cornell for these increases was zero because the State supplied the necessary funds. In the case of raises to the endowed employees, it might possibly have had some effect if a program of equity without sufficient change and balance was arrived at.

The Senate last year asked its different constituencies to vote either to continue or disband because some in the community felt the Senate was not effective. The constituencies all voted to retain the Senate. The Senate did its duty with regard to the Children's Tuition Program. Now it's up to the Personnel Planning and Policy Board to do its homework and yield to the wishes of the Cornell Senate which represents the voices of the majority of all segments of the Cornell Community. The Board of Trustees cannot act on this matter until it does.

Louise B. D'Amico
Past Senator

Zebra Crossings Proposed

Editor:

May I propose a compromise to advocates of lower speed limits on campus (Paul S. Rubin, Oct. 10) and a "street-crossing course" (Carol Wernecke, Oct. 24)? Install "Zebra Crossings," lanes where pedestrians have absolute right-of-way, at critical points on campus: e.g., East Avenue below Rockefeller; University Avenue at the footbridge. This would save the trouble of such a pedestrian course, and allow the drivers to exercise their tyranny

everywhere else. Zebra crossings take the panic out of crossing streets in a city the size of London. Why not the campus of Cornell University?

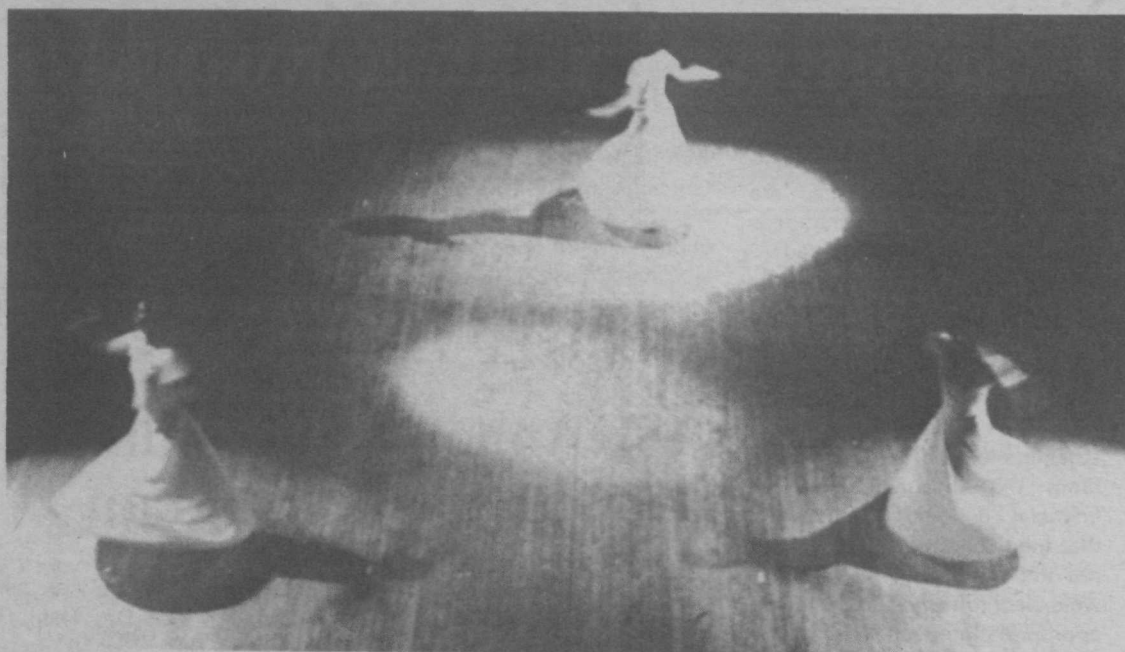
Morris R. Brownell
Ass't. Prof. English



Job Opportunities

Continued from Page 2

Research Aide (CUDR (temp. p/t))
Sr. Research Aide, A-18 (Provost (temp. p/t))
Library Assistant I, A-10 (Library (temp. f/t))
Library Assistant II, A-12 (Library (perm. p/t))
Typist, A-13 (Theoretical & Applied Mech. (temp. p/t))
Department Secretary, A-13 (Psychology (temp. f/t))
Steno, A-11 (Univ. Health Services (perm. p/t))
Senior Clerk, A-12 (Statler Inn (temp. p/t))
Statistical Clerk, NP-5 (Agricultural Economics (perm. p/t))
Principal Clerk, A-14 (University Development (temp. f/t))
Research Spec. (Agricultural Economics (temp. f/t))
Research Spec. (Rural Sociology (temp. p/t))
Technical Associate (Applied & Engr. Physics (temp. f/t))
Research Associate (Education)
Research Aide, A-15 (Ecology & Systematics (temp. p/t))
Nursery School Assistant (Dean of Students (perm. p/t))



Around and Around

"SPINNING DANCE" will be among the works presented by the Laura Dean Dance Company at 8:30 p.m. Friday, Nov. 1 in the gymnasium of Helen Newman Hall. Tickets are available at the Willard Straight Hall ticket office, the dance office in Helen Newman, and at Nippenose in the DeWitt Mall

Benny Carter in Free Concert

Jazz Program Presented



Benny Carter

Woman to Be Sage Speaker

"Parents as Revelation" will be the topic of guest speaker Mary Reed Newland's remarks to the Sage Chapel Convocation at 11 a.m. Sunday, Nov. 3.

Newland is chairperson of the Committee on Adult and Home Education for the Roman Catholic Diocese of Albany. Author of eight books and numerous articles, Newland has lectured before audiences across the country and has taught at the College of St. Rose and Siena College in Albany.

Newland has been awarded three honorary degrees of humane letters from Roman Catholic colleges and the Elizabeth Seton Medal from Seton Hill College in Greensburg, Pa.

Jazz musician Miles Davis once said, "Everybody ought to listen to Benny. He's a whole musical education."

Cornellians and area residents will have the opportunity to receive a musical education Carter-style when Benny Carter, alto saxophonist, comes to Cornell Wednesday and Thursday, Nov. 6 and 7.

Carter will appear in a free jazz concert at 8:15 p.m. Thursday, Nov. 7, in Bailey Hall. Performing with Carter will be Al Grey, trombone, Thad Jones, trumpet, Roland Hanna, piano, Milt Hinton, bass, and Alan Dawson, drums. The concert is open to the public.

On Wednesday, Nov. 6, Carter will conduct two public symposia in Barnes Hall. The first, "Music for the Visual Media," will be held from 1:30 p.m. to 2:45 p.m. Discussion will center on composing music for television, movies, and animated motion pictures.

The second symposium, "Jazz: Culture or Business?" from 3 p.m. to 4:30 p.m., will focus on the attitudes of jazz musicians and how they view jazz as an art form. The question, "Can jazz be taught?" will also be discussed.

Participating in the symposia with Carter will be Princeton sociologist and jazz writer Morroe Berger, James Patrick, a fellow at the Society for the Humanities who is teaching a seminar in jazz at Cornell, William W. Austin, Cornell music professor, and Steve Brown, director of Ithaca College's jazz workshop.

Benny Carter was born in New York City. He began playing saxophone in his teens and soon worked with the leading bands in Harlem: Charlie Johnson, Fletcher Henderson, Duke Ellington, and others. In addition to performing on saxophone and trumpet, Carter arranged and composed music, providing

material for Benny Goodman's band as early as 1934.

Carter's own bands have included many of the most prominent jazz musicians of the "be-bop" era: Dizzy Gillespie, Miles Davis, Tommy Potter, Dexter Gordon, J.J. Johnson and Max Roach.

Carter, who conducts jazz workshops and symposia at colleges and universities throughout the country, was a visiting lecturer at Princeton in 1973. In 1974, Princeton awarded him an honorary Doctorate of Humane Letters in recognition of his many contributions to American music.

The two-day jazz program is sponsored by the Cornell Department of Music, the Society for the Humanities, and the University Lecture Committee.



Violin Concert

VIOLINIST Pinchas Zukerman will present the second concert of Cornell's Statler series at 8:15 p.m. Wednesday, Nov. 6. Zukerman, who won the Leventritt Award in 1967 and made his debut with the New York Philharmonic in 1969, will play Mozart's Sonata in D-flat Major, Opus 11 No. 1 and several short compositions by composer Fritz Kriesler.

Free Oboe Concerts Set for Next Week

Oboe music devotees will have two opportunities to hear oboe performances at Cornell this week.

At 4 p.m. Sunday, Nov. 3 in Barnes Hall, Jerryl Davis will present a lecture-recital on "Two Oboe Sonatas of Telemann."

At 8:15 p.m. Tuesday, Nov. 5, also in Barnes, guest artist Michel Piguet will present works of van Eyck, de Selma, Hotteterre, Philidore, Bach, Telemann and Handel on the baroque oboe and recorder. This performance will be the first time a baroque oboe has been heard in solo recital at Cornell.

Both events are open to public, free of charge.

Davis' Sunday afternoon lecture will include facts on Telemann's life, the baroque oboe, ornamentation and baroque solo wind sonatas. Davis, a lecturer in music at Cornell and manager of the Cornell Orchestras, will perform Telemann's Sonata in A minor from "Der Getreue Musikmeister" and Sonata in G minor from "Tafelmusik," assisted by Ann Silsbee, harpsichord, and Oren Haber-Schaim, cello.

Michel Piguet is recognized as the foremost baroque oboist today, according to John Hsu, Cornell music professor. Piguet, born in Geneva, studied oboe at the Conservatory of Music there and later studied composition in Paris with Olivier Messiaen.



Michel Piguet

In 1973, Piguet taught master classes in recorder and baroque oboe at Oberlin College and, in 1974, at the Aston Magna School for Baroque Music in Great Barrington, Massachusetts. Several of Piguet's recordings on labels such as Deutsche Grammophon have been awarded the "Grand Prix du Disque de l'Academie Charles Cros."

Accompanying Piguet in Tuesday's concert will be John Hsu, viola da gamba, and James Weaver, harpsichord. Piguet's oboe is an original baroque instrument.

Exhibit Represents Upstate Collections

A cooperative exhibition of art works from public collections throughout Upstate New York, including paintings by Homer, Wyeth and Whistler, is not on view at Cornell University's Herbert F. Johnson Museum of Art.

The exhibition, titled "American Art in Upstate New York," includes 130 drawings, watercolors and small sculptures executed during the period from 1792 to the present.

"I think it will come as a pleasant surprise to most Ithacans to learn how many handsome, important works of art are permanently housed in museums in the Upstate area," according to the museum's director, Thomas W. Leavitt. "No piece in this show traveled more than 250 miles, crossed a state border, or was borrowed from an institution in New York City, and yet we are talking about artists such as Alexander Calder, Lyonel Feininger, Arshile Gorky, Winslow Homer, Franz Kline, Robert Motherwell, Claes Oldenburg, Frederick Remington, Ben Shahn, J.M. Whistler and Andrew Wyeth."

According to Leavitt, six Upstate museums collaborated

in organizing the show and in contributing their various treasures. These are the Albright-Knox Art Gallery of Buffalo, the Memorial Art Gallery of the University of Rochester, the Herbert F. Johnson Museum of Art, the Everson Museum of Art in Syracuse, the Munson-Williams-Proctor Institute in Utica and the Albany Institute of History and Art.

The exhibition is the first cooperative project of its kind to be undertaken in the state, and similar cooperative exhibitions may be organized in the near future. One such projected show would focus on Asian art, many beautiful examples of which may be found in collections throughout the state, Leavitt said.

"Art in Upstate New York" will be open to the public at the museum through Nov. 24. Admission to the museum is free. Museum hours are 10 a.m. to 5 p.m. Tuesdays through Saturdays, and 11 a.m. to 5 p.m. on Sundays. The museum is also open on Wednesday nights from 5 p.m. to 9 p.m. It is closed Mondays.

Modern Dance Becomes a Major

Cornell's first major program in dance was inaugurated last September. Now boasting two undergraduate majors, three full-time and two part-time teachers and one full-time musician, the dance program is offered under the joint auspices of the departments of Theatre Arts and Physical Education.

Why a major in dance?

In her plea last spring to the faculty, asking approval for the dance curriculum, Peggy Lawler, associate professor of theater arts, wrote, "The ignorance of the general public concerning dance is greater than it is with any of the other arts. There are many people who feel that while the other arts are governed by some legitimate intellectual discipline or formal considerations, dance is a self-indulgent outpouring of emotion unstructured and unconcerned with form, that it is 'self-expressive' and not 'logically expressive.' Audiences are not likely to be educated to recognize in dance the same uses of symbol and imagery, or the complex interweaving of rhythmic and formal devices which heighten their appreciation and enjoyment of music and poetry."

Lawler, director of the dance program, explains that the Cornell dance major is designed to be "loose" and to take advantage of the other educational opportunities at the University.

"Dancers concerned primarily with performance would probably not come to Cornell to study dance," Lawler said. "Such students would be better off at a school with a strong studio approach." Having completed the Cornell dance major would not, she added, preclude a student from going on to an intensive performance program.

What the Cornell major does offer, that a studio approach does not, is an exposure to the "academic" side of dance. "Critics of dance must know something about the tools of performing and choreographing; performers and choreographers gain perspective through historical study of changing ideas and styles ... This kind of interaction is less likely to occur for those studying in the relative isolation of professional schools and studios," Lawler writes.

Students majoring in dance at Cornell take 23 credit hours in required courses, including four semesters of dance technique, "Beginning Dance Composition and Music Resources," dance history and "Biological Anthropology for the Performing Arts." In addition, dance majors must take 20 units in related courses, selected in consultation with an adviser. All of the courses which now constitute the dance major were already being offered before the major was established.

Margaret Coghill '76 is double-majoring in dance and history. She explains that she was taking a lot of dance classes when the major became available, and that the program was "too good to pass up." Coghill feels that the dance program "allows me to make my own place" in studying the relationships between dance and history, and that the dance program leaves "plenty of room to pursue other interests."

Carol Carnes '75 will be the first Cornellian to graduate with a B.A. in dance under the new major. Three students previously graduated with degrees in dance, constructed through the independent studies program. Like Coghill, Carnes was already taking many dance classes in conjunction with a major in theater arts, but switched to the dance major when it became available last spring.

"The Cornell program offers a lot besides technique," Carnes says. "I wanted to get a college education, not just a dance education; that is why I came to Cornell." She points out that courses in costume design, dance history and music theory would probably not be included in a "performance program" elsewhere.

Cornell's two dance majors are not the only students involved with the dance program. Of the approximately 2,800 students taking courses through women's physical education, more than 400 — 58 of them men — are taking dance classes.

Peggy Lawler foresees a growing interest in dance and in the dance major. "I wouldn't be surprised to see men majoring in dance at Cornell in the next year or two," she said.





Carol Skinner and David Wyatt perform as Mad Margaret and Sir Despard Murgatroyd in Cornell Savoyards' production of *Ruddigore*.

Savoyards Perform Musical 'Ruddigore'

Gilbert and Sullivan, ghosts, and a bevy of professional bridesmaids all come together in Ithaca for the Savoyards' fall offering, when *Ruddigore* premieres Friday evening, Nov. 8 at 8:15 in Statler Auditorium with additional performances on Saturday, Nov. 9 at 8:15 and Sunday, Nov. 10 at 7:15.

Heading the cast is Robin Hansen, a theatre major as sweet Rose Maybud, and Robert Lawson, a 1974 graduate of Cornell's Agriculture school as Robin Oakapple. Ivor Francis, a Cornell I&LR professor plays Robin's jaunty foster brother, Richard Dauntless.

Seen as the diabolical Sir Despard Murgatroyd is David Wyatt, a Cornell history professor. Playing opposite him as the lovesick Mad Margaret is Carol Skinner, a psychiatric social worker. Sir Roderic, the

21st Baronet, comes alive under the flowing cape of William Cooke, a local automobile dealer. His long lost love and Rose's aunt, Dame Hannah, is portrayed by Karen Phillips, a 1974 Ithaca College music graduate. Other principals include Diane Ouckama, as Rose's friend, Zorah, and Joshua Sippen as Adam Goodheart, Robin's faithful servant.

Dramatic direction is provided by Beatrice MacLeod, assisted by Suzanne Spitz. Choral and orchestral director is Paul Surface. Costumes are by Joan Shaw, with technical direction by Dennis King. Set design is by Stephen Moorman.

Tickets for *Ruddigore* will be on sale as of Monday, Oct. 28 at the Straight Box Office, or may be reserved by calling the box office at 256-3430.

Faculty Member to Have One-Man Show in Ithaca

More than 30 art works by Victor R. Stephen, artist and a faculty member of Cornell University, will be featured in a one-man show in the downstairs gallery of T.G. Miller's Sons in downtown Ithaca, from Nov. 4 through Dec. 31.

A professor of communication arts at the New York State College of Agriculture and Life Sciences, he is a specialist in visual communications.

Most of his works are paintings in oil; some are in acrylic, and a few in encaustic, a paint made from pigment mixed with melted wax which was used by ancient Greeks. Also included are several graphics in ink and lithograph crayon.

Subjects include scenes from a recent trip to Bermuda, seascapes, and also scenes from Costa Rica, Jordan, and Italy. Four paintings originally used for covers of the Pennsylvania Game News magazine also are among the works.

More than half the works are recent ones that have not been exhibited before. This is his first show in Ithaca since 1949, when he had a show in Willard Straight Hall on the campus.

A native of Philadelphia, Pa., Stephen is a graduate of Pratt Institute of Fine and Applied Arts, and received his B.A. and M.A. degrees in art from Pennsylvania State University.

C. U. Theatre Presents Play, 'Madame de Sade'

The Cornell University Theatre will present "Madame de Sade" by modern Japanese playwright Yukio Mishima in Drummond Studio at 8:15 p.m. each evening Oct. 31 through Nov. 3, and again from Nov. 7 through 9.

In a postface to the play script Mishima wrote, "...I was most intrigued as a writer by the riddle of why the Marquise de Sade, after having demonstrated absolute fidelity to her husband during his long years in prison, should have left him the moment he was at last free. This riddle served as the point of departure

Hockey Ticket Sales Plan To Be Announced on Radio

An announcement will be made on three Ithaca radio stations between 1 p.m. and 4 p.m. on Sunday, Nov. 10 as to the day, time and place where Cornell students will be issued numbers to establish their positions in a line for Cornell's hockey season ticket sale.

The announcement will be made on WHCU, WVBR and WTKO. Information on season ticket sales to faculty and townspeople will be included in the announcement.

In announcing this year's hockey season ticket sale, athletic department officials reminded Cornell fans that last season, when only three home games were sold out, many people took advantage of the situation to buy reserved seat tickets on a game-to-game basis. Again this year, some 1,200 reserved seat tickets will be sold on a per-game basis. CUAA coupon book holders will have priority, with tickets priced at \$1

for book holders and \$3 for others.

The Sunday announcement on season tickets is part of a plan which places no premium on line position for seat location. The plan, developed last year by the Department of Physical Education and Athletics, has been endorsed by the University Senate Committee on Physical Education and Athletics.

Tickets will be pre-packaged in approximately 35 blocks, with 20 to 40 tickets in each block. The order in which the blocks will be sold will be determined by a random draw, making it possible for any group in line to receive good seats. Tickets in each block will be sold in consecutive order by rows and seat numbers.

On the day on which numbers are issued, students with numbers will be admitted later to Barton Hall. The line there will be organized by number, and names and numbers taken for later line checks. The following morning,

student season tickets (no more than two per student in line) will be sold at \$14 each to CUAA coupon book holders.

The number distribution plan will be utilized only for the student season ticket sale. The sale to faculty and townspeople will be conducted the same way it was last year, when both groups formed and maintained orderly lines.

Faculty season tickets will go on sale the day after the student sale, with the sale to townspeople to be held the following day. Both groups will form their lines outside the south door of Barton Hall. At 4 p.m. on the appropriate day, athletic department representatives will admit those persons physically present and will conduct the sign-ups. The athletic department will handle all sign-ups and maintain the line from 4 p.m. until the tickets are sold the following morning. Tickets are priced at \$20 for CUAA book holders.

Opener Nov. 30 at Duke

Basketball Team Prepares

Coach Ben Bluit, his hopes buoyed by what he's seen during the first week of basketball practice, swings into full-scale preparation now with a squad of 16. Cornell opens its season Nov. 30 at Duke.

"We're down to 16 men now with another cut possible," Bluit explained. "After only a week I'm really encouraged by the way

these men are working and picking up the fundamentals we're trying to stress. We've started into our offense sooner than I'd anticipated because they've been attentive and really learned quickly."

Bluit's present squad of 16 consists of seven sophomores, eight juniors and one senior.

Bluit is getting a good chance to look at his new varsity players because three of his five lettermen have been sidelined by injuries. Lucas is recovering from a broken arm, Johnson has a broken hand, and Hather has been hampered by an ankle injury, though he has resumed practice.

"We're certainly not set at any positions, but it's clear that special work is needed at center," Bluit said. He indicated that Stan Brown, Cash, Hather and Hamilton will all be worked hard before a starter is determined.

Women's Polo Team Plays Virginia Here

The Cornell women's polo team, which opened its third season with a loss to Yale on Oct. 11, goes after its first win on Nov. 1 against Virginia at the Oxley Polo Arena.

First-year coach Irv Allen was

pleased with the team's effort against Yale.

The seven-woman freshman team is made up of players who had never played polo before coming to Cornell. All, however, have had experience working with horses.

The women practice with the men's junior varsity team, even though polo is a contact sport. Allen feels that this has "improved the women's skill tremendously."

A total of 40 women turned out for the team, with riding skill getting the most emphasis. From the original 40, Allen kept seven.

Allen considers one of the team's biggest problems to be lack of competition. So far, Cornell has only five games scheduled for its October through May season. The number of women's teams is limited, due to lack of adequate facilities and money. The Cornell team covers most of its own expenses by giving horse shows throughout the year, and by taking care of its own animals.

Moylan Is Reappointed As Coach

Eddie Moylan, who was head coach of tennis and squash at Cornell from 1961 to 1972, will resume the duties of squash coach effective immediately, according to Jon Anderson, director of athletics.

Moylan, who has continued to work in the University's physical education department, replaces Mark Kaufman who has left coaching to pursue a law career. John West, a coach and instructor at Cornell since 1953-54, will assist Moylan.

"We're pleased that his time permits Eddie to rejoin us in a coaching capacity," Anderson said. "His experience and talent as a player and coach should be invaluable to the squash team."

**Keep Up With Cornell;
Read the Chronicle
Thursdays**

Expelled from Homeland

Russian Biologist Lectures

Zhores A. Medvedev, Russian Soviet biologist and a Communist intellectual who has become increasingly critical of the Soviet establishment, will give three public lectures at Cornell, Nov. 4, 5 and 6, on the topic "Intellectual Dissent in the Soviet Union."

The talks will be the Fall 1974 Messenger Lectures and are scheduled for 4:30 p.m. Monday, Tuesday and Wednesday in Uris Auditorium. The first lecture is titled "Scientific and Intellectual Life in the USSR: Retrospects and Perspectives." The second will be "Trends of the Society Democratic (Dissent) Movement and Problems of Detente," and the third lecture will be on "Traditional and Evolving Tendencies of Soviet Internal and International Policy."

Medvedev is in this country on

a lecture tour after appearing before the United States Senate Committee on Foreign Relations earlier this month. He will be at Cornell for four days and, in addition to delivering the lectures, will meet with the faculty and students in a number of informal seminars and discussion groups, and will present a biology colloquium on "The Genetics of Aging," at 4:30 p.m. Thursday, Nov. 7 in Ives 110.

The Messenger Lecture Series is the most prestigious at Cornell and has been delivered by a number of Nobel Laureates. The lectures also have been the basis of a number of books.

A leading authority on biochemistry, gerontology and molecular evolution, Medvedev has more than 100 scientific papers and several books to his credit. Since the early 1960s, he

has been in disfavor with Soviet authorities because of his opposition to the genetic doctrine of T.D. Lysenko and because of his efforts to bring about freer communications between Soviet scientists and their colleagues abroad.

In the spring of 1970 he was taken to a psychiatric hospital and held there, apparently for political reasons, for 19 days. Although he was permitted in late 1972 to go to England for a year to work on the biochemistry of proteins in relation to the process of human aging, a few months later his passport was taken away by the Soviet Embassy in London, and he was deprived of his citizenship.

He is still living in London without a passport, awaiting the possibility of being able to return to his homeland.

CU Libraries System

Miller Is Elected Director

J. Gormly Miller, has been elected director of the Cornell University Libraries System by the University's Board of Trustees, effective Feb. 1, 1975.

Miller, who from 1970 to February of this year was deputy chief of the Central Library and Documentation Branch of the United Nation's International Labor Agency in Geneva, Switzerland, first came to Cornell in 1946 as librarian in the School of Industrial and Labor Relations (ILR). He also taught undergraduate and graduate courses in research methods in the ILR School, holding the titles

of both librarian and professor before going to Geneva.

He returned to Cornell in February of this year as a professor and librarian of the Martin P. Cathérwood Library in the ILR School. In his new post he will succeed David Kaser, director from 1968 to Aug. 1, 1973 when he resigned in order to accept a professorship in the Graduate Library School at Indiana University. Giles F. Shepherd, associate director of the University Libraries, has served as acting director since that time and will continue in this role until Miller assumes his new

duties.

President Dale R. Corson recommended Miller's appointment based on the recommendation of a 10-member search committee which made a nation-wide canvass of candidates since being established by the president more than a year ago.

In his new post Miller, who will report to the University Provost, assumes responsibility for one of the nation's largest and most outstanding research libraries in the humanities, sciences and social sciences, numbering more than four million books.

Miller said, "Although the period of rapid expansion and growth which the Cornell Libraries shared with other major institutions during the 1960s has slowed, there hopefully will not be slowing of development. Growth and development are not necessarily synonymous. I am confident that the staff of the University Libraries can easily mobilize itself to work out ways of dealing with the variety of serious problems we are being faced with and to examine new ideas and new approaches. I am very keenly looking forward to working with them in developing and using to the University's best advantage the tremendous base of resources that was built up here at Cornell under the leadership of Steve McCarthy, Dave Kaser and Giles Shepherd."

Miller received a bachelor of arts degree from the University of Rochester in 1936 and a bachelor of science degree in Library Service from Columbia University in 1938.

He is married to the former Mildred Beran of Rochester. They have three children, Mrs. Arthur (Susan) Milligan and Paul B. Miller, both of Ithaca, and James G. Miller of Syracuse.

Volunteers Fill Many Needs In Community



The Greater Ithaca Activities Center serves the Ithaca community in a variety of ways, which includes not only the hosting of many different organizations' activities (from day care through senior citizens activities), but also the provision of a full schedule of in-house programs for children and adults.

For neighborhood elementary school-aged youngsters the Center offers after school programs in arts and crafts, sports and games, cooking, woodworking, music and any other area in which there is an interest and a volunteer available to assist in the project. Evening programs for teens are likewise developed to meet the needs and interests of participants, and include sports, handicrafts, cooking, etc. Special programs such as swimming, ice-skating, theatre parties, plus various evening classes for adults, are an attraction to many.

Volunteers are an intrinsic part of the Center's staff, and may either run, or assist in, scheduled activities, or develop programs for which they have particular skills.

Below are some other current requests for volunteers. Please respond to any of them, or get more information, by calling CIVITAS, 256-7513, Monday through Friday, 11 a.m. to 4 p.m.; or the Voluntary Action Center, 272-9411, Monday through Saturday, 9 a.m. to 1 p.m.

Greater Ithaca Activities Center needs volunteers to help supervise games for elementary age children on Wednesdays from 2-3 p.m., help run mini-workshops for elementary age children to make small Christmas presents, from 3-5 any weekday, instruct teens in macrame, 7-9 p.m., any evening.

Reconstruction Home needs volunteers to visit with individual elderly residents, to assist or direct recreational programs, to provide short musical or slide programs, on any day in the late morning, late afternoon or early evening. Weekend days particularly welcome.

Special Children's Center needs a volunteer or a group of volunteers to assist a temporarily disabled mother with the after-school care of a handicapped child. In Trumansburg, on weekdays from 3 to 6 p.m., until mid-December.

Boynton Junior High School needs a volunteer to work with a 7th grade boy in math, on any school day from 2:30 to 3:30 p.m., except Wednesday from 1:30 to 2:30.

Meadow House needs a volunteer to drive their mini-bus to pick up and return participants in a recreational program. The program runs first, second and fourth Wednesdays of the month from 7 to 9 p.m. The volunteer would be urged to take part in the program as well as drive.

Belle Sherman Elem. School needs volunteers to work with individual elementary age children who have visual or auditory problems or reading problems, on any school day and hour. Materials and guidance will be supplied by the support teacher.

Camp Fire Girls needs volunteers to be group leaders, assistant leaders, teach crafts to small groups or help with area planning. Times and days can be arranged to suit the volunteer.

Voluntary Action Center needs a volunteer receptionist-typist, on Fridays from 9 a.m. to 1 p.m.

Easter Seals-Society for Crippled Children needs a volunteer-group to deliver pins and collection cans to already contacted county restaurants, before Nov. 1, for a fund drive to be held Nov. 1 - 15.

Ithaca High School needs volunteers to man Career Information Center or drop-in Tutoring Service. School days and times can be arranged to suit the volunteers.

Storefront needs volunteers to help with collating a Native American Calendar, evenings during the week of Oct. 28-Nov. 1.

South Lansing School for Girls needs donations of good and used furniture sturdy enough to withstand heavy adolescent usage in recreation room and lounge. Pick-up can be arranged.

Career Center Calendar

The following interviews will be held at the Career Center in the next two weeks. Sign up now.

Oct. 31: Boston University (Business)

Nov. 4: Columbia University (Business)

Nov. 8: Washington & Lee University Law School

University of Rochester Business School

Nov. 11: Syracuse University Business School

University of New Hampshire Business School

Nov. 12: Northeastern University Business School

The following deadlines are coming up fast. Get details at the Career Center.

Oct. 31: Applications must be received by this date for (FSO) Foreign Service Officer Examinations. The test itself is on Dec. 7.

Nov. 1: Social Science Research Council Fellowship application deadline.

Newspaper Fund Internship application deadline.

Nov. 11: LSAT application penalty date. The test itself is on December 7.

The United States Information Agency has announced it will provide individual grants of up to \$3,000 for students to produce sound films or videotapes for distribution in foreign countries as part of the American Revolution Bicentennial observation. Full-time graduate or undergraduate students in cinema, television or communications programs are eligible to submit applications for the program. The films or videotapes should not exceed 30 minutes and may be documentary, dramatizations or animation.

Applications must be submitted by Dec. 1. Grant applications are available from Phillip Bonnell, U.S. Information Agency, Room 2406, Patrick Henry Building, 6th and D Streets, N.W., Washington, D.C. 20547.

Academic, Financial Dateline

Reminders — Arts & Sciences Students - Pre-Registration for the Spring 1975 term is Monday, Oct. 28-Friday, Nov. 8. Pick up registration material in 142 Goldwin Smith.

—Each student whose Financial Aid package included a BEOG estimate should turn in his eligibility report to the Office of Financial Aids, 203 Day Hall, as soon as possible in order to have the award processed and credited to his account. Students whose reports indicated they were ineligible must also turn them in.

—Oct. 30 Cornellcard bills are due Tuesday, Nov. 19.

The Senate Page

The Senate Page is the official bulletin of the Cornell University Senate. Publication is supervised by Michael E. Fisher, secretary of the Senate, 133 Day Hall, 256-3715

NEXT SENATE MEETING: Tues., Nov. 5, 7:30 p.m., Kaufmann Aud.

Senate Roll, Attendance Records

Symbols In Roll Call Votes

A — Absent P — Present
N — No X — Abstain
Y — Yes

	3/14/74	3/26/74	4/2/74	4/17/74	4/30/74	5/7/74	9/10/74	9/24/74	10/8/74	10/22/74	Ujamaa Support Resolution	Quorum Call	10/22/74
ABAWI, GEORGE S.	F			X	X	X	X	X	X	X	A	A	
AINSLIE, HARRY R.	F			X	X	X					Y	A	
ALEXANDER, RALPH W.	F	X	X	X	X	X	X	X	X	X	Y	P	
ANDERSON, RONALD E.	F	X	X	X	X	X	X	X	X	X	Y	P	
ANDREWS, THOMAS H. J.	S	X	X	X	X	X					Y	A	
ARCHIBALD, JOHN	F			X	X	X	X	X	X		Y	A	
BENDER, JOHN K.	E	X	X	X	X	X	X	X	X	X	Y	P	
BLACK, RICHARD D.	F	X	X	X	X	X	X	X	X	X	Y	P	
BOGART, RICHARD S.	S	X	X	X	X	X	X	X	X	X	Y	P	
BRUTSAERT, WILFRIED	F	X	X	X	X	X	X	X	X	X	A	A	
CHESTER, GEDFREY V.	F	X	X	X	X	X	X	X	X	X	Y	P	
CHURCH, ALBERT I.	S	X	X	X	X	X	X	X	X	X	A	A	
DIVER, JEFFREY	E	X	X	X	X	X	X	X	X	X	Y	P	
DOAK, SAMUEL L.	E	X	X	X	X	X	X	X	X	X	Y	P	
DREW, WILLIAM E.	S	X	X	X	X	X	X	X	X	X	Y	A	
ERERTS, PAUL R.	F			X	X	X	X	X	X	X	A	P	
ELSON, ELLIOT	F	X	X				X	X			A	A	
FENNER, JAMES H.	F	X	X	X						X	A	A	
FEUER, CARL HENRY	S	X	X	X	X	X	X	X	X	X	Y	A	
FISHER, MICHAEL E.	F	X	X	X			X	X	X	X	Y	P	
FRANCIS, JOE D.	F	X									A	A	
FRIEDHOFFER, BETHE	S	X	X	X	X	X	X	X	X	X	A	A	
GARDNER, RICHARD	S	X		X	X	X	X	X	X	X	Y	P	
GERBER, JILL	S	X	X	X	X	X	X	X	X	X	A	A	
GERLING, MICHAEL	S	X	X	X	X	X	X	X	X	X	Y	P	
GETNICK, NEIL	S	X	X	X	X	X	X	X	X	X	Y	P	
GOLDSEN, ROSE	F	X	X	X	X	X	X	X	X	X	Y	P	
GREENBERG, LANCE	S	X	X	X	X	X	X	X	X	X	A	A	
HABER, NEAL	S	X	X	X	X	X	X	X	X	X	Y	P	
HAZLIK, STEVE	E	X	X	X	X	X	X	X	X	X	N	A	
HARRIS, CHARLES	S	X	X	X	X	X	X	X	X	X	A	A	
HARRISON, DEBORAH DIANE	S	X	X	X	X	X	X	X	X	X	Y	A	
HARRISON, ROBERT	S	X	X	X	X	X	X	X	X	X	X	P	
JONES, CARL	E	X	X	X	X	X	X	X	X	X	Y	P	
JONES, KELLI	E	X	X	X	X	X	X	X	X	X	Y	P	
KANUK, RANDI	S	X	X	X	X	X	X	X	X	X	Y	P	
KELLEY, JOHN	F	X	X	X	X	X	X	X	X	X	Y	A	
LAWSON, GERALD	S		X								A	A	
MASTERMAN, JAMES	S	X	X	X	X	X	X	X	X	X	A	A	
MILLER, RICHARD	F	X	X	X	X	X	X	X	X	X	Y	A	
MINOTTI, PETER	F	X	X	X	X	X	X	X	X	X	Y	P	
MURPHY, JOHN	A	X	X	X	X	X	X	X	X	X	A	A	
NICHOLS, BENJAMIN	F	X	X	X	X	X	X	X	X	X	Y	P	
NITZBERG, ROY	S	X	X	X	X	X	X	X	X	X	N	P	
PEARLMAN, STEPHEN	S	X	X	X		X	X	X	X	X	Y	A	
PEKOZ, TEOMAN	F	X		X	X	X					A	A	
PETER, GEORGE	E	X		X	X		X				A	P	
POSNER, GEORGE	F	X		X			X				A	A	
POSTLE, DONALD S.	F	X	X	X	X	X	X	X	X	X	A	A	
POTTLE, CHRISTOPHER	F	X	X	X	X	X	X	X	X	X	Y	P	
PRICE, DONALD R.	F		X	X	X	X	X	X	X	X	A	A	
PRITCHARD, DAVE	S	X	X	X		X	X	X			A	A	
QUICK, ELEANOR	F		X	X	X	X		X			Y	P	
RAHIN, RICHARD M.	VP		X			X					A	A	
RAVAGE, ANDREW	F	X		X	X	X	X	X	X	X	Y	P	
RUCKER, RONALD E.	L	X	X	X	X	X	X	X	X	X	Y	P	
SAKMAN, MAJID J.	S	X	X	X	X	X	X	X	X	X	Y	A	
SCHUSTER, FRANK J.	S	X	X	X	X	X	X	X	X	X	Y	A	
SCHWARK, WAYNE S.	F	X		X	X		X				A	A	
SCHWARTZ, JOSEPH	S	X	X	X	X	X	X	X	X	X	Y	A	
SEIDELMAN, RAYMOND	S	X	X	X	X	X	X	X	X	X	A	A	
SHERRY, JOHN E.H.	F	X		X			X				A	P	
SHOWACRE, JAMES C.	E	X	X	X	X	X	X	X	X	X	A	A	
SIMPSON, STEVE	E	X	X	X	X	X	X	X	X	X	N	P	
SINGER, DAVID A.	F	X	X	X	X	X	X	X	X	X	Y	P	
STROMBERG, DAVID	S	X	X	X	X	X	X	X	X	X	Y	P	

Proposed Agenda November 5, 1974

Kaufmann Auditorium 7:30 p.m.

1. Question Time
2. Minutes (Vol. VI, No. 7)
3. Announcements
4. Agenda
5. Seating of New Senators (Freshmen and By-Elected)
6. E-94 - COMMITTEE STAFFING RESOLUTION - PART VII (2)
7. E-29-b - THE PROCEDURAL

DUE PROCESS ACT OF 1974 (20,2)

8. E-71-b - BYLAW AMENDMENT - CHANGE IN PROCEDURES FOR ELECTION OF EMPLOYEE TRUSTEES (TITLE XVII) (10,2)

9. E-78 - SENSE-OF-THE-BODY RESOLUTION IN SUPPORT OF BEVERAGE CONTAINER DEPOSIT LEGISLATION (20,2)

10. E-72-a - THE JUDICIAL APPOINTMENT PROCEDURES ACT OF 1974 (15,2)

11. E-58-d - PROCEDURES FOR ADOPTION OF GUIDELINES, PROCEDURES OR MINOR POLICIES (25,2)

12. E-28-a - SANCTIONS FOR EFFECTIVE JUDICIAL ADMINISTRATION ACT (15,2)

13. E-22-b - BILL TO ALLOCATE PARKING FINE INCOME TO A CAPITAL FUND FOR PARKING IMPROVEMENT (15,2)

14. Adjournment
ATTENTION
UNDERGRADUATE AND GRADUATE STUDENT SENATORS: Caucus information will be in your mailing.

	3/14/74	3/26/74	4/2/74	4/17/74	4/30/74	5/7/74	9/10/74	9/24/74	10/8/74	10/22/74	Ujamaa Support Resolution	Quorum Call	10/22/74
TEPPER, FRED SEENA	S	X	X	X	X	X	X	X	X	X	Y	P	
THOMAS, L. JOSEPH	F	X	X	X	X	X	X	X	X	X	Y	A	
WELLS, GUY E.	E	X	X	X	X	X	X	X	X	X	X	P	
WHITBECK, PAUL MOORE	S	X	X	X	X	X	X	X	X	X	Y	P	
WILLIAMS, KEITH D.	S	X		X	X		X	X			A	A	
WILLIAMS, W. DAVID	S	X	X	X	X	X	X	X	X	X	A	A	
YERKA, BETTIE LEE	F	X	X	X	X		X	X	X	X	A	P	
YORK, ROBERT	F	X	X	X	X	X	X	X	X	X	A	P	
YOUNGERMAN, ARNE	S	X	X	X	X	X	X	X	X	X	A	P	
BY-ELECTED SENATORS seated 10/ 8/74													
CHABOT, BRIAN	F	-	-	-	-	-	-	X	X	-	A		
CLERMONT, KEVIN	F	-	-	-	-	-	-	X	X	-	A		
GOLAY, FRANK	F	-	-	-	-	-	-	X	X	-	P		
KENNEDY, KENNETH A.R.	F	-	-	-	-	-	-	X		-	A		
PUCCI, PIETRO	F	-	-	-	-	-	-	X		-	A		
RDE, ALBERT	F	-	-	-	-	-	-	X	X	-	P		

Current Legislative Log

(The full text of any bill introduced in the University Senate is available in the Senators' Study, 124 Day Hall.)

BILL NO. & DATE SUB.	ABSTRACT	SPONSOR	COMMITTEE REFERRED TO
E-91 10/23/74	A call for a referendum on the question of physical education requirement's continuation.	R. Platt	Executive Committee
E-92 10/25/74	This bill provides for policies and guidelines for the Department of PE & A to insure fair and equal treatment for men and women participants in the Department's programs.	J. Danowitz, R. Platt H. Levy	Physical Education and Athletics Committee

Senate Actions — October 22, 1974

SA NO.	TITLE AND ABSTRACT	SPONSOR	ACTION TAKEN
SA-283	COMMITTEE STAFFING RESOLUTION - PART VI [Further nominations to Senate committees and boards]	Committee on Committees	ADOPTED AS AMENDED
SA-284	AN ACT TO OPEN THE ACADEMIC DECISION PROCESS [Recommends that meetings of faculty legislative bodies be open to the public]	Academics Committee	ADOPTED AS AMENDED
SA-285	WORLD FOOD AND HUNGER RESOLUTION [Sets Oct. 25 to Nov. 25 as World Food and Hunger Month at Cornell; calls for campus action to help end hunger in the world.]	A. Youngerman, F. Tepper, M. Haber, C. Feuer, C. Nichols	ADOPTED AS AMENDED
SA-286	TEMPORARY INCREASE IN PARKING AND TRAFFIC MEMBERSHIP [Increases P/T Subcommittee membership to permit a more equitable representation.]	R. Platt	ADOPTED AS AMENDED
SA-287	SPECIAL RULE FOR SENATE CONSIDERATION OF 1975-76 CAMPUS LIFE BUDGET [Proposed changes to C.L. Budget must be received in writing at the Senate Office two weeks before they are discussed on the Senate floor.]	G. Chester	ADOPTED

Senate Calendar

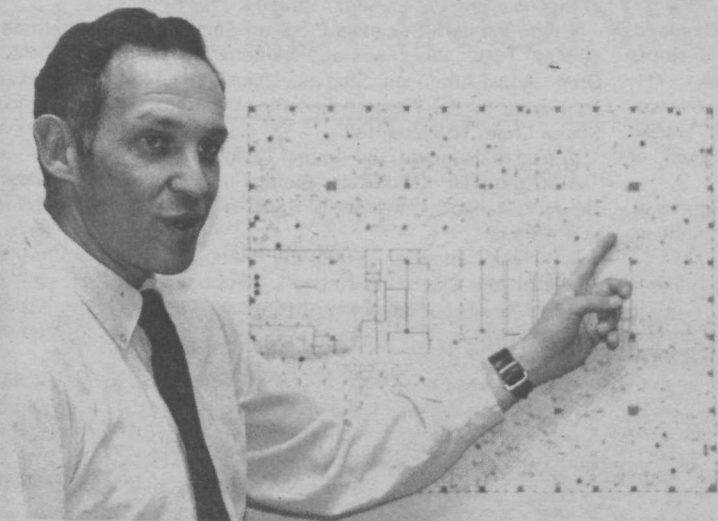
THURSDAY, October 31
Special Committee on Buildings and Properties, 12 p.m., Senate Office
Dining Subcommittee, 4:30 p.m., North Room, WSH
Calendar Committee, 6:30 p.m., 120 Goldwin-Smith
FRIDAY, November 1
Campus Life Committee, 3:30

p.m., 494 Uris Hall
MONDAY, November 4
Executive Committee, 5 p.m., Senate Office
Campus Life Committee, 7 p.m., 494 Uris Hall
TUESDAY, November 5
Committee on the University as an Employer, 5 p.m., 116 Ives Hall
WEDNESDAY, November 6
Committee on Committees,

3:30 p.m., Senate Office
AGEDI, 7:30 p.m., 101 Rand Hall



Program of Computer Graphics Established



NEW DIRECTOR — Donald P. Greenberg, director of the newly established Program of Computer Graphics, discusses details of an architectural line drawing drafted by a computer fed dimensions and other instructions. A professor of architecture, Greenberg conceived the new program which is providing a visual simulation technique useful to numerous fields of research and study on campus including the physical and social sciences and many areas of engineering, in addition to architecture.

Continued from Page 1

scientists make about the structure of a molecule before it is verified in experiments such as took place in the unraveling of the mysteries of DNA and RNA.

The importance of model building in basic research in the physical sciences probably never was stressed more clearly nor more often at Cornell than by the late Peter J. W. Debye, the Nobel laureate in chemistry. He would invariably ask "What is your picture?" when discussing ideas proposed by colleagues and students.

"Basically," Greenberg said, "computer graphics is a technique in search of a problem. The variety of problems is infinite; with the information and computational explosion, there is a need for the easy deciphering of voluminous data.

"It is entirely feasible," he said, "with the current state of the art of computer graphics to develop programs for weather forecasting, develop detailed topographic maps of Mars and Venus using radar data, produce pictorial time displays of population growth and ethnic changes, to name but a few."

The system will have a stand-alone computer, a graphics display unit capable of producing moving line drawings, a component for the generation of shaded color images, and photographic and plotting equipment. Much of the refinement and development of the technique will be in the area of how the information is fed to the computer system and how it is fed out.

The cross-disciplinary effect was established as a program by the vice president for research

W. Donald Cooke and is currently located in Rand Hall.

"The program," Cooke said, "has been conceived as providing the entire Cornell community with a technique whose potentialities have been apparently only touched upon."

Spectrometry Corrections

In last week's Chronicle, the article on the Chemistry department's Mass Spectrometer incorrectly stated that the facility has been available free of charge to outside researchers supported by the National Institutes of Health (NIH). In fact, service charges were instituted two years ago in preparation for economic self-sufficiency, which will be necessary after Nov. 30 when all NIH support will cease.

Also, a typographical error made it appear that the instrumentation at the facility is sensitive to 10-12 gram, a quantity too small to be understood, perhaps, except with the help of an example. It should have read 10 to the -12 power gram.

The telephone number at the end of the article was incorrect. Researchers wishing to have samples analyzed by the facility may contact Dr. Jack Henion at 256-4914.



Bulletin Board

Lynah Public Skating Open

Cornell's Lynah Rink is now open for public ice skating on a Sunday through Friday basis.

On Sunday, three sessions are held. Children 10 and under skate from 12:30 p.m. to 2 p.m. All persons may skate from 3 p.m. to 4:30 p.m. and persons 17 and over may skate from 7:30 p.m. to 9 p.m.

Monday through Friday, the rink is open to the public from 1:15 p.m. to 2:45 p.m. Wednesdays, the rink is open from 7:30 p.m. to 9 p.m.

The public skating schedule is subject to change and persons should call 256-2312 for a daily schedule.

Admission is 75 cents, with skate rental an additional 75 cents. A Public Skating Coupon, good for 10 sessions, may be purchased at the rink for \$5.

Personnel Problem-Solving Program

The Office of University Personnel Services is sponsoring a program entitled "Conducting Effective Problem Solving Meetings." The program will be held Nov. 14, 1974, from 9 a.m. to noon in the Industrial and Labor Relations Conference Center.

The program is designed to cover key elements in conducting an effective meeting where solution of a problem is an issue. The program is aimed at administrative and supervisory personnel, but may also prove useful for others. The program will be limited to twenty-four participants to allow open discussion and participation. Participants will be accepted on a first-registered, first-served basis, with excess registrations held for future programs. Sponsoring departments will be charged \$10 per participant to defray associated expenses.

Nominations should be submitted to Linda Tewes at the Training and Development Office, B-12 Ives Hall in writing by Nov. 7.

Employe Electronics Course Offered

The Office of Personnel Services has announced the schedules for two employe electronics courses. They are:

Course 1 in basic electronics, first year will begin Nov. 4 at 9 a.m. in Room 102 Kimball-Thurston Hall. It will meet thereafter each Monday and Friday from 9 to 10 a.m. William Hemsath is the instructor.

Course 2 in basic electronics, second year will begin Nov. 4 at 8 a.m. in Room 110 Guterman Laboratory (at the east end of B Lot.) Classes will be held each Monday and Friday from 8 to 9 a.m. George Peter is the instructor.

There is still room in both courses for employes. If interested, contact Virginia Rinker, Personnel Services at 256-4869 or attend the class and register there.

Employe Ski Program Opens

Cornell employes and their spouses, older children and friends may join the Cornell Employe Ski Program at Greek Peak Ski Area for six nights of skiing this winter, according to Katie Beemer, laboratory assistant who is coordinating the program applications.

The program includes four skiing lessons given by Greek Peak's International Ski School.

The cost of the program, with unlimited use of all lifts, is \$31.50 per person. An additional \$15 is charged for those renting equipment.

Registrations must be made by Dec. 13. For more information, contact Beemer during the day at 256-2040 or 256-2275 or in the evenings at 273-9205.

Laboratory Notebook Lost

A laboratory notebook belonging to P. J. Davies containing the results of year's work has been lost. The notebook is thin, green-white mottled, hardback cover. The name P. Davies is on the front along with the dates July, 1973-May, 1974. The notebook was lost either on the second floor in Plant Science or Warren Hall Basement Key punch room. The notebook can be returned to Davies at 256 Plant Science Building (X6-4471).

CU Marines Celebrate Birthday

The Cornell Marines will celebrate the birthday of the United States Marine Corps next Thursday (Nov. 7) from 4:30-6:30 p.m. at the NROTC Unit Blockhouse, Barton Hall. All former Marine faculty and students are invited.

Women in Business Conference Set

A half-day conference on women in business, industry and government, designed for undergraduate and graduate students considering various career options, will be held at Cornell Saturday, Nov. 2.

The conference will begin at 1:15 p.m. in 120 Ives Hall. It is free and open to the public. Conference sponsors include the Career Center in cooperation with several placement offices and women's groups on campus.

The main part of the conference will consist of panel presentations from representatives of these three sectors, who will describe their backgrounds and careers to form a composite first-hand picture of women in careers. Small discussion groups will follow the panel discussion.

Panelists include a reactor engineer intern with the Atomic Energy Commission, an investment officer with the First National City Bank of New York and an executive with a search firm in New York City working especially with women and minorities.

Polish Association to Meet

The Polish Cultural Association will meet in Uris Hall G08, at 7:30 p.m., Sunday, Nov. 3. Everyone interested welcome.

Theological Lecture Slated

Theologian James Luther Adams will lecture on the topic "Root Metaphors of Social Thought," at Cornell University, 4 p.m. Thursday, Oct. 31, in the Founders Room, Anabel Taylor Hall. The lecture by the Harvard University professor emeritus is being sponsored by Cornell's Center for Religion, Ethics and Social Policy.

Poland Subject of Film, Discussion

Eastern European Free Film Series will have a short film and discussion on Poland, Tuesday, Nov. 5, in Anabel Taylor Hall, One World Room, at 8:30 p.m. The series is sponsored by the Cornell International Affairs Association.

Non-Academic Budget Details

Continued from Page 1

staffing levels is being planned through controls on hiring and by holding vacated positions open whenever possible. These savings will not necessarily be permanent and the controls on hiring must be administered with sufficient flexibility to assure maintenance of all essential services.

"Internal reassignment of staff may also be necessary to assure that essential services are maintained while realizing to the maximum extent possible the savings which are potentially available through controls on hiring.

"Coming on top of the roughly 15 per cent expense curtailment achieved over the past three years and the controls on hiring anticipated during the coming year, these additional reductions will inevitably affect in some measure the range and quality of services being provided to students and to the academic units."

Calendar

October 31-November 10

Thursday, October 31

4 p.m. Informational meeting regarding Graduate Study in Management. 217 Malott. Sponsored by the Graduate School of Business and Public Administration.

4 p.m. Lecture: "The Importance of Witchcraft in the History of Women." Professor William Monter, Dept. of History, Northwestern University. 300 ILR Conference Center. Open to the public. Coffee provided.

4:30 p.m. Materials Science Colloquium Series: "Anisotropic Thermoelectric Voltages in Thin Metallic Films." Dr. R.v. Gutfeld, IBM Watson Laboratory, Yorktown Heights, N.Y. 140 Bard. Refreshments served in Bard Hall Lounge at 4 p.m.

4:30 p.m. Hug Ivri. 34 Anabel Taylor.

6 p.m. Club France Table Francaise. Ivy Room (last table).

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

7 p.m. North Campus Union Program Committee meeting. Conference Room, North Campus Union.

7:30 p.m. Jewish View of Jesus. The Forum, Anabel Taylor.

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

8 p.m. Cornell Linguistics Circle Lecture: "On Validating Synchronic Descriptions." Professor Henning Andersen, Dept. of Slavic Languages & Literature, SUNY Albany. 106 Morrill.

8 p.m. Eckankar, Path of Total Awareness. Discussion group. 248 Goldwin Smith.

8 p.m. Halloween Party. Memorial Room, Willard Straight. Sponsored by WSH Board.

8:15 p.m. Festival of Contemporary Music Concert: New Music from Cornell. Barnes.

8:15 p.m. *Drummond Studio Performance: "Madame de Sade" by Yukio Mishima. Sponsored by Cornell University Theatre.

8:30 p.m. Halloween Activities. South Dining (3rd floor) North Campus Union. Sponsored by NCU Board.

Friday, November 1

12:15, 5:15 & 7:15 p.m. Cornell Catholic Community, masses for All Saints Day. Anabel Taylor Hall.

12:15 p.m. Open Meeting. Women's Studies Advisory Group. 431 White.

1:30 p.m. DEA Seminar: "Pyrolysis, Combustion and Fine Structure of Fibers." Prof. Menachem Lewin, chairman, Dept. of Polymer and Textile Chemistry, The Hebrew University, and Director, Israel Fiber Institute, Jerusalem, Israel. 317 Martha Van Rensselaer.

2:30 p.m. Seminar Series on Water Resources and Agriculture's Impact on Environmental Quality: "Economic Implications of Reducing Phosphorus Loss from Agriculture in Fall Creek Watershed." Professor G. Casler, Agricultural Economics Dept. 105 Riley-Robb.

6 p.m. Shabbat Service. The Founders Room, Anabel Taylor.

8 p.m. Classics Lecture: "Sophocles and Greek Piety." Professor Tom Gould, Dept. of Classics, Yale University. Telluride House, 217 West Ave.

8 p.m. Shabbat Service. Hi Rise No. 1 Lounge.

8:15 p.m. Festival of Contemporary Music Concert: Music by Hunter Johnson. Barnes.

8:15 p.m. *Drummond Studio Performance: "Madame de Sade." Sponsored by Cornell University Theatre.

8:30 p.m. *Dance Concert: Laura Dean and Company. Helen Newman Gym.

Saturday, November 2

9:30 a.m. Shabbat Service. Edwards Room, Anabel Taylor Hall.

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

11 a.m. Festival of Contemporary Music Lecture: "The Music of Schoenberg." Barnes.

2 p.m. Talmud Shiur. Young Israel House.

4:30-8:30 p.m. *Steaks Ltd. Enjoy an excellent steak dinner after the game or before an evening's entertainment.

5:15 & 11:30 p.m. Catholic masses. Anabel Taylor Chapel.

8 p.m. *Concert: An Evening with Lenny Bruce. Statler Ballroom. Sponsored by University Unions Program Board.

8:15 p.m. *Cornell Polo - Cleveland. John T. Oxley Polo Arena.

8:15 p.m. *Drummond Studio Performance: "Madame de Sade." Sponsored by Cornell University Theatre.

8:15 p.m. Festival of Contemporary Music Concert: The Music of Schoenberg. Barnes.

8:30 p.m. *Laura Dean and Company present a mini-performance and open workshop in Helen Newman Gym.

9:30 p.m. Risley Free Film Series: "The Stranger" (1946) directed by Orson Welles with Orson Welles, Edward G. Robinson, Loretta Young. Risley Theatre.

Sunday, November 3

9:30 a.m. Holy Communion Episcopal Church at Cornell.

Anabel Taylor Chapel. All are welcome, students, faculty and families.

9:30 a.m. & 5 p.m. Catholic masses. Anabel Taylor Auditorium (11 a.m. mass will be combined with Sage Chapel Convocation.)

11 a.m. Sage Chapel Convocation: Mary Reed Newland, author, lecturer; Chairman, Committee on Adult and Home Education, Roman Catholic Diocese of Albany, New York.

4 p.m. Music Dept. Concert: Faculty Concert. Jerryl Davis, oboe, assisted by Ann Silsbee, harpsichord, and Oren Haber-Schaim, cello. Lecture-recital, "Two Oboe Sonatas of Telemann." Barnes.

5 p.m. Lecture/Film: Memorial Room, Willard Straight Hall. Sponsored by WSH Board and The Coalition for the Right to Eat.

6-8 p.m. *Sunday Smorgasbord. Statler Inn. For reservations call 257-2500.

7 p.m. Table Tennis Clinic followed by Round Robin Singles at 7:30 p.m. Barton. Newcomers welcome.

8 p.m. Lecture: "The Struggle for Freedom in Ireland Today." Tony Heffernan, Joint General Secretary of Sinn Fein (Political wing of official Irish Republican Army). 215 Ives. Sponsored by Irish Republican Club and the Revolutionary Student Brigade.

8:15 p.m. *Drummond Studio Performance: "Madame de Sade." Sponsored by Cornell University Theatre.

Monday, November 4

4 p.m. Jugatae Seminar Program: "Entomological Research at Geneva." Dr. Edward Glass, Chairman, Dept. of Entomology, Geneva Experiment Station. 245 Comstock.

4:15 p.m. Society for the Humanities Seminar: "Humanism." Paul Oskar Kristeller, Professor Emeritus, Philosophy, Columbia University. John L. Senior Room, 403 Olin Library.

4:30 p.m. Messenger Lecture: Intellectual Dissent in the Soviet Union: "Scientific and Intellectual Life in the USSR: Retrospects & Perspectives." Zhores A. Medvedev, Soviet biologist and critic. (First of a series of three). Uris Auditorium.

7:30 p.m. CU Horse Film Course: "Suppling Exercises." "Aids and Gaits." Resource person: D. Butler, CU Animal Science Dept. 146 Morrison. Free and open to the public.

7:30 p.m. How to Improve Your ... Series: "Health" with Dr. Horn, the medical ombudsman. Multi-purpose Room, North Campus Union.

8 p.m. Lecture: "Jerusalem: Dynamics of the Jewish-Arab Co-Existence." Miron Benvenisti, Israel Scholar-In-Residence. 120 Ives.

Tuesday, November 5

10 a.m.-11 p.m. Lecture/Film. "Hunger Day." Straight Memorial Room. Sponsored by Coalition for the Right to Eat.

4:30 p.m. Dept. of Geological Sciences Seminar: "Ecology of Cayuga Lake." Dr. Gene Liken, Cornell. 205 Thurston. Coffee at 4 p.m.

4:30 p.m. Physiology Seminar: "Hepatic transport mechanisms in the formation of bile." Dr. Meinrad Peterlik, Institute of General & Experimental Pathology, Vienna, Austria. 348 Morrison.

4:30 p.m. Messenger Lecture: Intellectual Dissent in the Soviet Union: "Trends of the Soviet Democratic (Dissident) Movement & Problems of Detente." Zhores A. Medvedev, Soviet biologist and critic. Uris Auditorium. (Second of series of three).

7 p.m. Women's Intercollegiate Volleyball. Geneseo, SUNY Binghamton, Syracuse. Helen Newman Gym.

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

7:30 p.m. *Varsity Soccer - Syracuse. Schoellkopf Field.

8 p.m. Old TV Show Series. Thirsty Bear Tavern, North Campus Union.

8:15 p.m. Music Dept. Concert: Works of van Eyck, de Selma, Hotteterre, Philidor, Bach, Telemann and Handel. Guest Artist Michel Piguet, baroque oboe and recorder, with James Weaver, harpsichord, and John Hsu, viola da gamba. Barnes.

Wednesday, November 6

1:30-4:30 p.m. Jazz At Cornell: Symposia: "Music for the Visual Media." "Jazz: Culture or Business?" Barnes. Sponsored by Dept. of Music, Society for the Humanities and University Lecture Comm.

4:30 p.m. Food Science Seminar: "Food Production in the Underdeveloped Countries." Professor Ernst Siegenthaler, School of Public Health, University of Michigan, Ann Arbor. 204 Stocking. Refreshments at 4:15 p.m.

4:30 p.m. Messenger Lecture: Intellectual Dissent in the Soviet Union: "Traditional and Evolving Tendencies of Soviet Internal & International Policy." Zhores A. Medvedev, Soviet biologist and critic. Uris Auditorium. (Third of series of three).

6 p.m. Women's Film Series: Kaufmann Auditorium, Goldwin Smith. Sponsored by the Willard Straight Board.

6:30 p.m. *Dance films: Films of the early days of ballet. Helen Newman Lounge. Sponsored by the Dance Office.

7-8:15 p.m. Hebrew Instruction. 314 Anabel Taylor Hall.

7:30 p.m. Cornell Duplicate Bridge Club. Hughes Dining Hall.

8 p.m. Bible Study: The Book of Jonah with Classical Hebrew Bible Commentaries. Professor Neal Tannebaum: Semitics Dept. G34, Anabel Taylor Hall.

8 p.m. North Campus Union Free Film Series: "Gate of Hell" (1953) Japan - subtitled foreign-language film. Directed by Teinosuke Kinugasa. Multi-purpose Room, NCU.

8:15 p.m. *Concert: Pinchas Zukerman, violinist. Statler Auditorium. Sponsored by the Faculty Committee on Music & the Music Department.

Thursday, November 7

4 p.m. Informational meeting regarding Graduate Study in Management. 217 Malott. Sponsored by the Graduate School of Business and Public Administration.

4 p.m. Western Societies Program Seminar: "The Aftermath of May, 1968: Vincennes and Nanterre Six Years Later." Paul Oren, Anglo-American Studies, University of Vincennes. Co-sponsored by the Western Societies Program and the John L. Senior Chair. 153 Uris Hall.

4:30 p.m. Hug Ivri. G34 Anabel Taylor Hall.

4:30 Seminar: "Molecular Biology of Mycoplasma Viruses." Dr. Jack Maniloff, University of Rochester. 204 Stocking. Coffee at 4:15 p.m.

4:30 p.m. Lecture: "From the Marxists to the Mormons: Notes on the Cliometric Network." Robert Fogel, Professor of Economics at the University of Chicago and the University of Rochester. Moot Court Room, Myron Taylor Hall. Sponsored by the Dept. of History.

4:30 p.m. Materials Science Colloquium: "Optical and X-Ray Diffraction Studies at Very High Pressure." Dr. G.J. Piermarini, National Bureau of Standards, Gaithersburg, Maryland. 140 Bard Hall. Refreshments served in Bard Hall Lounge at 4 p.m.

6 p.m. Club France Table Francaise. Ivy Room (last table). Willard Straight Hall.

6 p.m. The Cornell Christian Science Organization invites students to a Readings and Testimony meeting in the Founders Room, Anabel Taylor Hall.

7 p.m. North Campus Union Program Committee meeting. Conference Room, NCU.

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

8 p.m. Eckankar, Path of Total Awareness. Discussion group. 248 Goldwin Smith.

8:15 p.m. Jazz At Cornell: Concert by Benny Carter Sextet. Bailey Hall. Sponsored by the Dept. of Music, Society for the Humanities and University Lecture Committee.

8:15 p.m. *Drummond Studio Performance: "Madame de Sade" by Yukio Mishima. Sponsored by Cornell University Theatre.

Friday, November 8

12:15 p.m. Sandwich Seminar: "Anthropology: Some New Perspectives on Women." Ruth A. Borker, Ass't. Prof. Women's Studies & Anthropology. 300 ILR Conference Center. Coffee available, bring your lunch. Child care available during Sandwich Seminars. Everyone welcome.

2:30 p.m. Seminar Series on Water Resources and Agriculture's Impact on Environmental Quality: "Economic Impact of Imposing EPA Effluent Guidelines on U.S. Agriculture." Professor R.N. VanArdsdall, University of Illinois. 105 Riley-Robb.

5:30 p.m. Shabbat Service. Founders Room, Anabel Taylor Hall.

6:30 p.m. Shabbat Dinner (Reservations). One World Room, Anabel Taylor Hall.

7:30 p.m. Gay Liberation Festival. Kaufmann Auditorium. Sponsored by Cornell Gay Liberation.

8 p.m. Shabbat Service. Hi Rise Lounge No. 1.

8:15 p.m. *Drummond Studio Performance: "Madame de Sade" by Yukio Mishima. Sponsored by the Cornell University Theatre.

8:30 p.m. *Folk Song Club Concert: Boys of the Lough. Straight Memorial.

8:30 p.m. *Grange and FFA Square Dance. 400 Warren.

Saturday, November 9

9:30 a.m. Shabbat Service. Edwards Room, Anabel Taylor Hall.

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

12 noon Gay Liberation Workshops. Noyes Center. Sponsored by Cornell Gay Liberation.

2 p.m. Talmud Shiur. Young Israel House.

4:30-8:30 p.m. *Steaks Ltd. Enjoy an excellent steak dinner after the game or before an evenings entertainment. \$3.55 (plus tax). Statler Inn.

5:15 & 11:30 p.m. Catholic masses. Anabel Taylor Chapel.

7:30 p.m. Lecture/Film: "The American Education System." Film: "The Question of Asian Women." 110 Ives. Sponsored by the Asian American Coalition.

8:15 p.m. *Drummond Studio Performance: "Madame de Sade" by Yukio Mishima. Sponsored by the Cornell University Theatre.

8:15 p.m. *Cornell Polo - University of Connecticut. John T. Oxley Polo Arena.

9 p.m. Gay Fall Weekend Dance. Straight Memorial. Sponsored by the Cornell Gay Liberation.

9 p.m. Diwali Function. One World Room, Anabel Taylor Hall. Sponsored by the Cornell India Assoc.

Sunday, November 10

9:30 a.m. Holy Communion Episcopal Church at Cornell. Anabel Taylor Chapel. All are welcome, students, faculty and families.

9:30, 11 a.m. & 5 p.m. Catholic masses. Anabel Taylor Auditorium.

11 a.m. Sage Chapel Convocation: Arthur Green, a founder of the Havurat Shalom Community in Boston; teacher in the Dept. of Religious Thought, the University of Pennsylvania. Philadelphia.

4 p.m. Music Dept. Concert: Faculty Concert. Malcolm

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