

Cornell Chronicle

Volume 15, Number 22

Thursday, February 2, 1984



Books, books, books were the object of attention for students last week as second semester classes got under way.

Minority Education Group Seeks Response to Draft Report Presented to Trustees at Meeting Last Weekend

All members of the Cornell community will have the next month to read and respond to the draft report issued last weekend that reviews minority education at Cornell, according to Trustee James Lowell Gibbs Jr.

Gibbs, who with Trustee Albert E. Arent co-chaired the Subcommittee on Minority Education of the Board's Academic Affairs Committee, called on all interested parties to write to the subcommittee. Comments should be addressed to Janet Smith-Kintner, 309 Day Hall, before Feb. 24.

Public hearings will be held on campus either March 1 or March 5, Gibbs said. Anyone wishing to appear before the subcommittee should note that in their written comments.

He said Trustee Ruby Saake told the board that student-elected trustees plan to organize a meeting of students to discuss the draft report and provide feedback to the subcommittee.

Vice Provost Larry I. Palmer said the draft report would be widely available on campus, with copies at Ujama Residential College, Learning Skills Center, COSEP,

the State Programs office, the offices of the dean of students and faculty, all libraries, the Information and Referral Center, Noyes Center, Purcell Union and Willard Straight Hall.

In commenting on the draft report, Gibbs said "The principles that underlie minority education at Cornell are very sound," but the subcommittee concluded that "serious problems" exist with the implementation of those principles.

He called the draft report recommendations "not radical but consequential." As an example, he noted that the recommendation for an expanded role for COSEP "would have serious impact on the nature of minority education because COSEP would play a role in guiding the entire university in being more responsive to minority student needs, and monitoring what goes on in minority education at Cornell."

Another consequential recommendation has to do with minority student applications. "(T)he designation of COSEP

(should) be eliminated from the application process, but... applicants (should) continue to be encouraged to identify their ethnicity on the application and to participate in minority programs," the draft report states.

The COSEP designation has caused confusion among some applicants, the subcommittee felt, and recommends better communication about minority programs.

"A description of COSEP services for minority students should appear in the first application materials and additional information about the COSEP program be included in the second stage of the application," the draft report recommends.

"All minority students would be notified of programs for them at each stage of the application process and after enrollment, and would be encouraged to participate..." the draft report continues.

Here is the preface and summary of the subcommittee report:

Preface

In January 1983 the Board of Trustees appointed a Subcommittee on Minority Education and asked it to report to the

Academic Affairs Committee by January 1984.

The enclosed Draft Report is submitted to the Academic Affairs Committee of the Board of Trustees and to the entire Board for discussion and comment prior to the preparation of a final report. The Subcommittee emphasizes that this is a working document and is being issued at this time in order to respond to the wide interest in this study. A brief summary following this preface serves as a guide to the report, which must itself be read for the specific recommendations. The Academic Affairs Committee has recommended that the Draft Report be widely distributed throughout the campus community to allow ample opportunity for response before formal board action is taken on the Final Report in March 1984.

Members of the Cornell campus community who wish to comment on the Draft Report are invited to send their written responses to the Subcommittee in care of Dr. Janet Smith-Kintner, 309 Day Hall, Campus before Friday, Feb. 24. The sub-

Continued on Page 2

Summary of Minority Education Draft Report

Continued from Page 1

committee will hold one day of hearings on the Draft Report in early March. If persons who send written commentaries also wish to be among those considered as potential speakers at the hearings they should so indicate. They should also indicate whether their commentaries are to be considered confidential.

CORNELL'S COMMITMENT TO MINORITY EDUCATION: A Summary

Cornell University has made a significant and tangible commitment to minority education. This commitment is expressed through special academic services, a wide variety of non-academic facilities and services, counseling, staffing and administrative organizations, as well as very substantial financial expenditures.

Despite this commitment, weaknesses and shortcomings in minority education exist at Cornell; they are detailed in the report. The subcommittee's overall assessment is that the University's commitment to a diversified student body and to an education that is effective for both minority and non-minority students is strong and genuine. Now, in contrast to 10 years ago, the principles of minority education and affirmative action are not openly questioned on campus. Nor are serious suggestions made that the funds allocated to this sphere be spent in other areas.

The ironic paradox that grips and challenges us is the belief expressed in several quarters on campus that little is being done, that the university's commitment is half-hearted or on the verge of being withdrawn. Detractors point to imperfections in minority programs and express widely felt fear and anxiety that it will all be spirited away. One senses a siege mentality concerning minority education.

Little attention or publicity has been given to accomplishments and improvements. Left unsung and unaffirmed is the positive road the university has traveled, as well as the new sense of diversity that has been created; there is insufficient comprehension of the substantial efforts made by many people. Truly significant changes have been made in an institution where the hand of inertia is strong.

The major issue here is the reason for such a discrepancy between perception and reality. Why is there so much malaise, so much anxiety, so much estrangement, and so little sense of teamwork?

In fulfilling its charge the subcommittee gained an overview of minority education at Cornell first by gathering information on the minority student population, then by examining the number of programs, services, and advisory groups in the campus community that are particularly designed to provide academic and personal support to minority students. Finally the subcommittee gathered information on the human

and financial resources that the university has committed to minority education.

The subcommittee concluded that there are serious shortcomings in Cornell's minority education program, areas in which improvements should be made. Therefore, the subcommittee made a series of policy recommendations and, in most cases, suggestions for implementation. These recommendations, presented throughout the report with our findings about each component of minority education, focus on seven major issues.

Centrality of Minority Education As a University Mission

The greatness of Cornell University is in no small measure due to its functioning so that individuals with disparate backgrounds and views contribute to a remarkably rich educational experience. This heterogeneity of the Cornell community contributes to both the excellence of formal classroom education and the significance of informal social interaction among students, faculty and staff. The subcommittee feels it is imperative to view minority education in this context of diversity and richness.

Minority education is viewed by many as peripheral or tangential and not central to the mission of the university. We reaffirm the conclusion of the 1975 committee that minority education must be central at Cornell.

That conclusion stressed that minority education is not simply education for minority students. It is the education "of all students, both inside and outside the classroom, so as to enable them to contribute effectively to and improve the quality of life in American society..." Such education has as a second goal: "Preparing its students for life in an integrated, pluralistic society."

Each school, department, office, or bureau at Cornell has a contribution to make to minority education and a responsibility to do so as well as possible. Minority education should not be viewed as simply the responsibility of those parts of the university that specifically are charged with minority education. Much of the malaise and distrust about minority education at Cornell comes from the perception by minority students and others particularly concerned about them that only the "minority programs" attempt to provide services truly responsive to minority needs. Some of this feeling is justified.

In spite of the 1975 policy decision there still exists within the university a tendency to "peripheralize" minority education. Therefore, many of our recommendations reemphasize the centrality of minority education to the university's mission and urge the units of the university to become aware of this mission and to take ap-

propriate steps to fulfill it.

Recruitment, Admission, and Retention Of Minority Students

Another source of doubt about minority education at Cornell is the decrease in applications and, more critically, in the "yield" of black and Hispanic admittees over the past two years. In 13 recommendations on Recruitment and Admissions and on Academic Performance and Graduation Rates the subcommittee recommends that Cornell intensify its efforts to recruit and to graduate minority students; that these efforts be targeted to those minority groups and individuals, including Asians, most in need of the special service developed at the university and those most highly qualified.

Quality of Campus Life

From Minority Viewpoint

From the hearings on the campus last spring and from other information gathered since then, the quality of life at Cornell clearly is a source of anxiety and anger for many minority students. The subcommittee's 12 recommendations on Campus Affairs and Cultural Life and Intergroup Understanding are aimed at making the campus community more conscious of the attributes, needs, and feelings of the various diverse groups that make up a pluralistic community and, therefore, more able to understand those differences and to respond to them and engage them. These recommendations also are aimed at lessening minority students' feeling that they must relinquish their minority identity to be Cornellians.

Financial Aid Administration

Over a 20 year period a university financial aid policy aimed at substantially increasing the number of minority students at Cornell has worked effectively. Yet, paradoxically, the administration and operation of financial aid is one of the largest areas of dissatisfaction with minority education on the campus. In eight recommendations on Financial Aid the subcommittee reaffirms the policy of using financial aid to achieve diversity in the student body.

Organization for Minority Program Administration—Role of The Committee on Special Educational Projects (COSEP):

The subcommittee recommends the retention of the COSEP structure and the continuation of services to minority students under that program, in this way reaffirming the special role the COSEP office has to play in minority education at Cornell. Because the COSEP designation has caused confusion, we recommend that it be deleted from the admissions process.

In eight recommendations the subcommittee sees a continuing COSEP role in coordinating services to minority students and an enhanced COSEP role in guiding other units in the university to provide effective services to minority students. In line with the goal of making minority

education less peripheral the subcommittee also makes recommendations aimed at giving COSEP a stronger role in monitoring minority education throughout the university and in advocating needed changes in minority education.

Employment of Minority-Related Course Material:

Minority students, we learned, feel that Cornell does not offer them or non-minority students enough opportunity to learn about the particular ethnic minority cultures from which minority students come, or about the cultures from which their ancestors came. Learning about American subcultures and the cultures in which they have historical roots should be available to all Cornell students as preparation for life in a pluralistic society.

Therefore, three recommendations on Academic Services and Curriculum suggest that the curriculum particularly relevant to minority education be made more visible;

Representation of Minorities in Faculty and Staff Positions:

The tapestry of diversity and richness characterizes the faculty and staff of Cornell no less than the student body. However, the relatively small numbers of minority faculty and staff leave the tapestry threadbare in places: students are deprived of sufficient minority and staff role models, and the non-minority faculty lacks minority peers. In eight recommendations on Minority Recruitment and Retention the subcommittee recommends renewed efforts to diversify faculty and staff and suggests ways to accomplish this diversity in spite of very real obstacles.

Other

The role of the Africana Studies and Research Center, the American Indian Studies Program, and Athletics in Minority Education also are reviewed in the Draft Report.

CONCLUSION:

The university has made a significant commitment to minority education and has allocated substantial resources to this cause. We have pointed out inadequacies and noted disappointments in results. But on the whole the achievements compare favorably with those of other universities and of society as a whole. We have made suggestions for improvement, some of which may require resources not presently available. It is imperative that Cornell address itself to the seven major issues described above and that priorities and a timetable be established for rectifying the shortcomings. The subcommittee urges all members of the campus — minority and non-minority students, faculty, and staff — to develop a greater sense of personal involvement in achieving mutual understanding and cooperation and in working to make minority education in the broad sense more effective.

Cornell Chronicle

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

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

Courses Set in English as a Second Language

Two six-week, non-credit courses for persons with English as a second language will be offered here this semester.

One course is designed for participants who want to improve their English language skills through practice and instruction in the areas of speech, pronunciation, listening comprehension, reading, vocabulary, writing and grammar.

The other is designed for participants to gain insights into American culture by reading and discussing selected plays, short stories and novels and to gain fluency by examining the English language.

The courses are being offered through

Cornell Division of Summer Session, Extramural Courses and Related Programs. To register, contact Diane Banfield, program coordinator, B-12 Ives Hall, 256-4987. Registration deadline is 4:30 p.m. Friday, Feb. 10.

Calendar

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

Announcements

Intramural Volleyball (Women)

Deadline on entries is Monday, February 6 at 4 p.m. in the Intramural Office, Helen Newman Hall. Play will be in Helen Newman. Minimum of 9 to enter. Specify your preferred day of play, 1st, 2nd, 3rd choice: Mon., Tues., Thurs., 9-11 p.m.; Wed., 10-11 p.m., and Fri. (if necessary), 7-9 p.m. You do not have a choice of times. Forfeit fee of \$10 due with your roster to enter. Checks only, payable to Dept. of Phys. Ed. & Ath. Intra. Div. If you do not forfeit any of your regularly scheduled games, check will be voided at the end of the volleyball season. Play will begin Mon., Mar. 5. Post-date checks May 9, 1984.

Intramural Cross Country Skiing (Men, Women, Co-ed)

Deadline on entries is Wed., Feb. 8 at 4 p.m. in the Intramural Office, Helen Newman Hall. Race will be held on the Univ. Golf Course on Fri., Feb. 10 at 4:30 p.m. Starts at the Driving Range. (Backup date for the race is Fri., Feb. 17 at 4:30 p.m.) 4 to enter; 2 must finish to score as a team. Co-ed: equal number of men and women. Please specify male/female next to each name on entry form and on the back of numbers issued when you enter. If you have lost your number supplied by the IM Office, you will not be allowed to race. Eye protection is mandatory.

Off-Campus Housing Fair

Wednesday, February 8, 10 a.m.-3:30 p.m. in Willard Straight Memorial Room. Featuring exhibits, displays and information concerning housing options for next year, transportation, utility costs and energy conservation, landlord-tenant relations, consumer issues, crime prevention and fire safety. Call 256-5373 for further information.

Beauty and the Beast Storyteller

Beauty and the Beast Storytellers (Mitch Weiss and Martha Hamilton) will present "Long Ago and Far Away: An Evening of Stories from Around the World," on Saturday, February 11 at 8 p.m. in the Founders Room, Anabel Taylor. The program will be for adults and children, age 8 and up. Admission is \$3. For information, call 277-0016.

Olin Library Research Seminar

The Reference Department is offering a general, two hour seminar on the use of Olin Library for research for faculty members and graduate students. Information will be provided on resources and services such as: Reference Materials, Subject Search Strategies, COMPASS (Computer Assisted Search Service), U.S. Government Publications, Olin's Union Card Catalogs, Interlibrary Services. Sign-up for the seminar at the Olin Reference Desk or call 6-3319. Friday, Feb. 3, 1-3 p.m. Meet in Olin Library, Room 214, bring questions.

Progressive Zionist Alliance

The Progressive Zionist Alliance (PZA) will host a regional conference: "Zionism Off the Mainstream" from Friday, Feb. 3 at 6:30 p.m. through Saturday, Feb. 4 at 5 p.m. in the Anabel Taylor One World Room. Keynote speaker is Shulamith Koenig, American Israel Civil Liberties Coalition, who will speak at 8:30 p.m. on Friday, Feb. 3. Cost for the conference is \$15 (including food and housing). Please call Bruce 273-4839 or the Hillel Office, 256-4227 for more information.

Monte Carlo Night

A Monte Carlo Night to benefit Save the Children Federation will be presented by Grads for Grads, the social organization for all graduate and professional students. It will be held Saturday, Feb. 4 from 7:30 to 11:30 p.m. in the Memorial Room of Willard Straight Hall. There will be games of chance, dancing, door prizes and a cash bar. No one under 19 may be admitted. A donation of \$2 to Save the Children is suggested.

Dance

Every Tuesday

Anabel Taylor One World Room, 8-11 p.m. Israeli Folkdancing. 8-9 p.m. Instruction; 9-11 p.m. Requests. All welcome.

Thursday

Feb. 2, 9-11 p.m. Anabel Taylor One World Room. Jitterbug Club. Beginners 9-10 p.m. All welcome. Call Jim at 256-3440 for more information.

Every Sunday

Straight North Room, 7:30-10:30 p.m. Cornell Folkdancers. Teaching 7:30-8:30 p.m.; requests 8:30-10:30 p.m. Held on Wednesdays in Upson Lounge. Beginners welcome.

Exhibits

Photographs of Kenya

"Photographs of Kenya," an exhibition of photographs by Dave Blanton, will open at the Laboratory of Ornithology on Feb. 6 and will be on view through the month of March.

Before coming to Ithaca, Blanton lived in Kenya from 1975 to 1980. His photographs have been used in various magazines and were recently the subject of a one-person show at Philadelphia's Academy of Natural Sciences.

The exhibition opening will be held in conjunction with the regular Monday Night Seminar scheduled for 7:45 p.m. Monday, Feb. 6. The seminar topic for the evening will be "Atmospheric Influences on Avian Migration: Are Birds Good Weathermen?" by Jerry Waldvogel. After the seminar there will be refreshments and a viewing of the exhibit. The public is invited to attend.

The Laboratory of Ornithology is located at 159 Sapsucker Woods Road. Hours are 8 a.m.-5 p.m. Monday through Thursday; 9 a.m.-4 p.m. Friday; and 10 a.m.-5 p.m. Saturday and Sunday.

Blanton is a freelance writer and photographer. Among the photographs on view will be those featuring landscapes, birds and other wildlife.

Works by Rodin

"Figures from Rodin's 'Gates of Hell': Sculpture from the B.G. Cantor Collections" will open on Feb. 15 at the Herbert F. Johnson Museum of Art and will run through Sunday, April 1.

According to Suzette Lane, curatorial assistant at the museum, in 1880 the French government commissioned the then 40-year-old Rodin to make a sculptural portal for a proposed museum of decorative art. Work on the portal occupied Rodin for the next 20 years and the result was the monumental "Gates of Hell." The Johnson Museum exhibition consists of 20 offspring from the "Gates."

"Although designed as parts of the larger composition," Lane said, "the offspring are powerful works of sculpture on their own. Each figure was modeled fully in the round so that it could be inserted in the portal at any angle and be seen from any direction," she continued. "This technique allowed Rodin to manipulate the figures freely, slicing away unnecessary sections where he decided they were unneeded, joining others where he felt a multiple image would be more effective."

Included in the exhibition are such well-known pieces as "The Thinker," the symbol of the artist's role in modern life, and "The Three Shades," a trio multiplied from one figure.

The exhibition is being made possible through the generosity of B. Gerald Cantor, who has been a major collector of Rodin's works for more than 30 years. The exhibition was organized by Vera Green, curator of collections for Cantor, Gitzgerald Group, Ltd.

"Rodin: The Gates of Hell," a film documenting the life of Auguste Rodin as an artist and the casting of his portal using the "lost wax" process, will be shown in conjunction with the exhibition.

The Johnson Museum is open 10 a.m.-5 p.m. Tuesday through Sunday.

Herbert F. Johnson Museum

"Cornell University Council on the Creative and Performing Arts Exhibition." An exhibition of works by 1982-83 recipients of Council on the Creative and Performing Arts grants, through Feb. 26. "Twenty-five Years of Discovery at Sardis." An exhibition of photographs, maps and drawings documenting the Cornell and Harvard archeological expedition at Sardis. Organized jointly by the Fogg Art Museum at Harvard University and the Johnson Museum. Funded by a grant from the National Endowment for the Humanities, through Mar. 11. "Figures from Rodin's 'Gates of Hell': Sculpture From The B.G. Cantor Collections. Feb. 15 through Sun.,

Apr. 1. Museum hours: Tuesday through Sunday, 10 a.m.-5 p.m.

Films

Unless otherwise noted films are under sponsorship of Cornell Cinema.

Thursday

Feb. 2, 8 p.m. *Uris Hall Auditorium. "Meetings with Remarkable Men" (1979), directed by Peter Brook, with Dragan Maksinovic, Terrance Stamp. Co-sponsored by CRESF and Rochester Folk Arts Guild.

Friday

Feb. 3, 7:30 p.m. *Statler Auditorium. "War Games" (1983), directed by John Badham, with Matthew Broderick, Dabney Coleman.

Feb. 3, 10:30 p.m. *Uris Hall Auditorium. "La Traviata" (1983), directed by Franco Zeffirelli, with Placido Domingo.

Feb. 3, 10:30 p.m. *Statler. "Return of the Dragon" (1973), directed by Bruce Lee, with Bruce Lee.

Saturday

Feb. 4, 7:30 & 10 p.m. *Uris Hall Auditorium. "La Traviata."

Feb. 4, 9 p.m. *Statler. "War Games."

Feb. 4, 12 midnight *Statler. "Return of the Dragon."

Sunday

Feb. 5, 2 p.m. *Statler. "Snow White and the Seven Dwarfs" directed by David Hand, with a renowned cast of animated characters.

Feb. 5, 8 p.m. *Uris Hall Auditorium. "The Big Carnival" (Ace in the Hole) (1951), directed by Billy Wilder, with Kirk Douglas, Jan Sterling.

Monday

Feb. 6, 7 p.m. *Uris Hall Auditorium. "The 39 Steps" (1978), directed by Don Sharp, with Robert Powell, David Warner. Co-sponsored by English Department.

Feb. 6, 9 p.m. *Uris Hall Auditorium. "In the Realm of the Senses" (1977), directed by Nagisa Oshima, with Tatsuya Fuji, Eiko Matsuda. Limited to Film Club Members only. Memberships available before screening. Come early.

Tuesday

Feb. 7, 4:30 p.m. Rockefeller D. Southeast Asia Free Film Series: "Miracle of Bali: Midday Sun." Introduction to the rich and varied culture of Bali showing how the religious and artistic traditions are intertwined.

Feb. 7, 8 p.m. *Uris Hall Auditorium. "Paths of Glory" (1957), directed by Stanley Kubrick, with Kirk Douglas, Ralph Meeker. Shown with: "The Brig."

Wednesday

Feb. 8, 8 p.m. *Uris Hall Auditorium. "Thanos and Despina" (1967), directed by Nico Papatakis, with Olga Carlatos. Co-sponsored by Hellenic Student Association.

Feb. 9, 8 p.m. Uris Hall Auditorium. CUSLAR (Committee on U.S.-Latin American Relations) Free Film Series: "Alsino Y El Condor" (Alsino and the Condor. The first feature-length film produced by the Sandinista Government's Nicaraguan Institute of Cinema blends youthful fantasy and political realism in an allegory of revolution and liberation. Co-sponsored by the Latin American Studies Program.

Friday

Feb. 10, 7 p.m. *Statler. "Gandhi" (1982), directed by Richard Attenborough, with Ben Kingsley, Candice Bergen.

Feb. 10, 10 p.m. *Uris Hall Auditorium. "Say Amen Somebody" (1982), directed by George T. Nierenberg, with Willie Mae Ford Smith, The Barrett Sisters. Co-sponsored by Black Gospel Festival.

Feb. 10, 11 p.m. *Statler. "Dr. No" (1962), directed by Terence Young, with Sean Connery, Ursula Andress.

Saturday

Feb. 11, 7 p.m. *Statler. "Dr. No."

Feb. 11, 8 p.m. *Uris Hall Auditorium. "Say Amen Somebody."

Feb. 11, 9:30 p.m. *Statler Auditorium. "Gandhi."

Sunday

Feb. 12, 2 p.m. *Uris Hall Auditorium. "Around the World in 80 Days" (1956), directed by Michael Anderson, with David Niven, Cantiflas. Co-sponsored by Ithaca Youth Bureau. Admission \$1.50 adults, \$1 children.

Feb. 12, 2 p.m. Johnson Museum. "The Other Side #1-3" films from American Federations of Arts-New British Cinema. Free and open.

Feb. 12, 8 p.m. *Uris Hall Auditorium. "Some Like it Hot" (1959), directed by Billy Wilder, with Marilyn Monroe, Jack Lemmon.

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Lectures

Thursday

Feb. 2, 10 a.m. Johnson Art Museum. Campus Club Fine Arts Series. "The Sardis Excavation," Andrew Ramage. Excavation and research have been carried out at ancient Sardis in western Turkey since 1958 by Harvard and Cornell Universities. The lecture will run to 11 a.m. with selected galleries open at 9:30 a.m. for viewing. This series is open to the public free of charge.

Feb. 2, 12:20 p.m. 102 West Ave. Southeast Asia Program Luncheon Seminar: "Thai Religion, Calendars and Computers," David Wyatt, Chairman, History Department, and Professor of Southeast Asian History, Cornell University; author of "Thailand: A Short History" to be published this year by Yale University Press.

Feb. 2, 4 p.m. Anabel Taylor The Commons Coffeehouse. Thursday Forum: "Computers and Human Freedom." Open discussion with Gordon Galloway, Director of Academic Computing, and Thomas Everhart, Dean, College of Engineering. Sponsored by Cornell United Religious Work (CURW) and the Center for Religion, Ethics and Social Policy (CRESF).

Feb. 2, 4:30 p.m. Morrill Hall 106. Cornell Linguistics Circle Speaker Series: "Big Languages and Little Languages," Joseph E. Grimes, Professor of Linguistics, Department of Modern Languages and Linguistics, Cornell University.

Feb. 2, 8:30 p.m. Anabel Taylor Founders Room. "Israel Today: A New Perspective," Shulamith Koenig, American Israel Civil Liberties Coalition. Co-sponsored by Support for Israel Peace Groups (SIPG) and the Progressive Zionist Alliance (PZA).

Monday

Feb. 6, 7:30 p.m. Anabel Taylor One World Room. America and World Community: "Man's Treatment of the Environment of Earth," Richard McNeil, Associate Professor, Natural Resources. Sponsored by Center for World Community and IRIM.

Wednesday

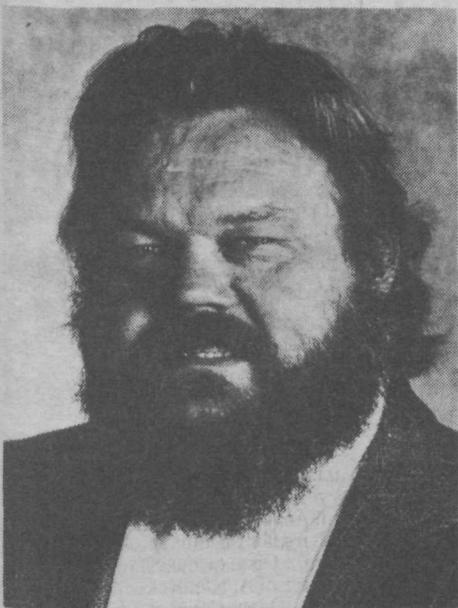
Feb. 8, 4:30 p.m. Uris Hall 202. "The Other Archive: Women's Hidden Contributions to Language," Paula Preichler, Assistant Professor of Speech Communication, University of Illinois, Champagne/Urbana. Informal lecture/discussion. Sponsored by Women's Studies Program.

Feb. 8, 7:30 p.m. Anabel Taylor One World Room. America and World Community: "Man's Treatment of the Environment of Earth," Richard McNeil, Associate Professor, Natural Resources. Sponsored by Center for World Community and IRIM.

Thursday

Feb. 9, 9-11 a.m. Herbert F. Johnson Museum. Campus Club Fine Arts Series Lecture: "View of American Folk Art," Suzette Lane. A selection of works from the Permanent Collection will illustrate the talk.

Feb. 9, 12:20 p.m. 102 West Ave. Southeast Asia Program Luncheon Seminar: "Traditional Life Crisis Rituals in Modern Java," Carol Carpenter, SEAP Graduate Student in Anthropology, Cornell University.



Finnish basso Martti Talvela will perform in concert at 8:15 p.m. this Saturday in Bailey Hall. He will perform works of Haydn, Loewe, Rachmaninoff, Mussorgsky, Rimsky-Korsakov and Verdi. Tickets for the performance are on sale at the Lincoln Hall Ticket Office, open 9 a.m.-1 p.m. today and tomorrow, telephone 256-5144.

violins: Hsu and Lynden Cranham, violas da gamba; Fortunato Arico, cello; Michael Willens, violone; and George Barth, harpsichord.

Saturday

Feb. 4, 8:15 p.m. *Bailey Auditorium. Faculty Committee on Music presents Martti Talvela, bass. Songs of Haydn, Brahms, Rimsky-Korsakov, Kilpinen, Mussorgsky.

Monday

Feb. 6, 7:30 p.m. Barnes Hall. B.R.A.H.M.S. Informal Orchestra. All instruments needed (especially strings, but alas, no piano). For additional information, call Terrie, 256-4464.

Sunday

Feb. 12, 4 p.m. Barnes Hall. Baryton Trios: John Hsu, baryton and viola da gamba; David Miller, viola; Fortunato Arico, cello; and assisting instrumentalists. Works of Haydn, Bach.

Religious Services

Friday

Feb. 3, 5:30 p.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian Minyan).

Feb. 3, 5:30 p.m. Anabel Taylor Chapel. Shabbat Services (Reform Minyan).

Feb. 3, 5:30 p.m. Shabbat Services (Orthodox Minyan). Call 272-5810 for information.

Saturday

Feb. 4, 9:15 a.m. Anabel Taylor Edwards Room. Shabbat Services (Orthodox Minyan).

Feb. 4, 10 a.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian). Followed by Bagel Brunch in the Founders Room.

Sunday

Feb. 5, 11 a.m. Sage Chapel. Interreligious Service Speaker: Robert L. Johnson, Director, Cornell United Religious Work (CURW).

Sunday

Feb. 12, 11 a.m. Sage Chapel. Interreligious Service Speaker: Daniel Sisler, Professor of Agricultural Economics, Cornell.

Seminars

Agricultural Economics: "International Trade in Rice," Randolph Barker, 4 p.m. Tuesday, Feb. 7, 401 Warren Hall.

Center for Applied Mathematics: "Stability and Asymptotic Behavior for a Class of Reaction-Diffusion Equations," Paul Sacks, Iowa State University, 4 p.m. Friday, Feb. 3, 165 Olin Hall.

Atomic & Solid State Physics: Solid State Seminar: "Transport Properties of Valence Fluctuators," Daniel Cox, 4:30 p.m. Tuesday, Feb. 7, 700 Clark Hall.

Atomic & Solid State Physics: Theory Seminar: Title to be Announced, Benjamin Svetitsky, 1:15 p.m. Thursday, Feb. 9, 701 Clark Hall.

Chemical Engineering: "Transport Phenomena in a Small Floating Zone," George M. Harriott, Air Products and Chemicals, Inc., 4:15 p.m. Tuesday, Feb. 7, 145(A) Olin.

Civil and Environmental Engineering: "Why Have Electric Generating Plant Construction Costs Escalated So Rapidly? A Statistical Analysis of Coal-Fired Units," Richard E. Schuler, 4:30 p.m. Thursday, Feb. 2, 110 Hollister Hall.

Classics: "Ways of Killing Women in Greek Tragedy," Nicole Loraux, Ecoles des Hautes Etudes (Paris), 4:30 p.m. Friday, Feb. 3, 225 Goldwin Smith Hall.

Committee on Soviet Studies: "Artistic Relations Between Western and Eastern Europe in the Middle Ages: Music as a Tool of Cultural History," Charles Brewer, City University of New York, 4:30 p.m. Thursday, Feb. 9, 105 Ives Hall.

Design and Environmental Analysis: Madame Vionnet and Her Designs," Betty Kirke, Fashion Institute of Technology, 4:30 p.m. Thursday, Feb. 2, Gallery 317, Martha Van Eenselaer Hall.

Ecology and Systematics: "Biogeochemistry of Ledgepole Pine Ecosystems: A Prototype for Dry, Infertile Forests," Timothy J. Fahey, 4:30 p.m. Wednesday, Feb. 8, Morison Seminar Room, Corson Hall.

Environmental Toxicology: "Regulatory Aspects of Testing," Arthur Stern, EPA, 12:20 p.m. Friday, Feb. 3, 100 Savage Hall.

Floriculture and Ornamental Horticulture: "Growing Plants in Space," R.W. Langhans, 12:15 p.m. Thursday, Feb. 2, 37 Plant Science.

Floriculture and Ornamental Horticulture: "The Plant Collections and Landscape Art of Roberto Burle Marx (Brazil)," Andrew Durham, 12:15 p.m. Thursday, Feb. 9, 404 Plant Science Building.

Food Science: "Lactic Acid Bacteria in Foods and Beverages," J.R. Stamer, 4:30 p.m. Tuesday, Feb. 7, 204 Stocking.

General Chemistry: "The Structured Electronic Properties of Unsymmetrical Oxides in Relation to Reactivity: MoO₃," Robert P. Merrill, 4:40 p.m. Thursday, Feb. 2, 119 Baker Laboratory.

Geological Sciences: "Molecular Sieves and Framework Structures," J.V. Smith, University of Chicago, 4:30 p.m. Tuesday, Feb. 7, 205 Thurston.

JUGATAE: "Life Cycle, Habitat, Niche: Which Determines Which in Stream-living Insects?" Rosemary Mackay, University of Toronto, 4 p.m. Monday, Feb. 6, 100 Caldwell.

Materials Science and Engineering/Theoretical and Applied Mechanics: "Mechanical Behavior of Porus Media," P. Dawson, 4:30 p.m. Thursday, Feb. 2, 140 Bard Hall.

Materials Science and Engineering: "Corrosion Behavior of Ion Implanted Amorphous Surface Alloys," C. Clayton, SUNY at Stony Brook, 4:30 p.m. Thursday, Feb. 9, 140 Bard Hall.

Mechanical and Aerospace Engineering: "Heat Transfer During Flame Quenching," Steven R. Vosen, Sandia Laboratories, 4:30 p.m. Tuesday, Feb. 7, 282 Grumman.

Mechanical and Aerospace Engineering: "Self-amplification of the Three-dimensional Vortex Field," E.A. Novikov, MIT, 4:30 p.m. Friday, Feb. 10, 282 Grumman.

Natural Resources: "Regulation of Benthic Community Structure in a Nuclear Cooling Reservoir," James H. Thorp, 4 p.m. Thursday, Feb. 9, 304 Fernow.

Ornithology: "Atmospheric Influence on Avian Migration: Are Birds Good Weathermen?" Monday, Feb. 6, 7:45 p.m. Lab. of Ornithology, 156 Sapsucker Woods Road. Jerry Waldvogel will be the speaker.

Plant Biology: "Plant Cytoskeleton in Dividing and Expanding Cells in Culture," George Setterfield, Carleton University, 11:15 a.m. Friday, Feb. 3, 404 Plant Science Bldg.

Plant Biology: "Microtubules and Morphogenesis in Azolla," Brian Gunning, National University, 11:15 a.m. Friday, Feb. 10, 404 Plant Science Building.

Plant Pathology: "Wilt and Root Rot of Chickpea (Cicer arietinum L.) in Southern Spain," Rafael Jimenez-Diaz, University of Cordoba, 4:30 p.m. Tuesday, Feb. 7, 404 Plant Science Bldg.

Psychology: "Evolution of the Vertebrate Telencephalon," R. Glenn Northcutt, University of Michigan, 3:30 p.m. Friday, Feb. 10, 202 Uris Hall.

Remote Sensing: "Microcomputer-Based Digital Image Analysis for Environmental Resource Assessment at the County Level," Ray Lougeay, State University College at Geneseo, 4:30 p.m. Wednesday, Feb. 8, B-14 Hollister Hall.

Statistics: "Stochastic Models Based Upon Lower Probabilities," Yves Grize, 3:30 p.m. Wednesday, Feb. 8, 105 ILR Conference Center.

Theoretical and Applied Mechanics: "Mechanical Behavior of Ion Implanted Amorphous Surface Alloys," D. Dawson, 4:30 p.m. Thursday, Feb. 2, 140 Bard Hall. Also sponsored by Materials Science and Engineering.

Theoretical and Applied Mechanics: "Stiffness Reduction Due to Fiber Breakage in Fiber Reinforced Composites," Paul Steif, Carnegie-Mellon, 4:30 p.m. Wednesday, Feb. 8, 205 Thurston Hall.

Vegetable Crops: "Post Harvest Food Problems in Developing Countries," Malcolm C. Bourne, 4:30 p.m. Thursday, Feb. 2, 404 Plant Science Bldg.

Vegetable Crops: "Wine Evaluation Techniques," H.E. Cottrell, 4:30 p.m. Thursday, Feb. 9, 404 Plant Science Bldg.

Sports

Friday

Feb. 3, 7:30 p.m. Oxley Polo Arena. Women's Polo-Virginia.

Feb. 3, 7:30 p.m. Lynah. Women's Hockey-Potsdam.

Feb. 3, 8 p.m. *Barton. Men's Basketball-Dartmouth.

Saturday

Feb. 4, 1 p.m. Helen Newman. Women's Gymnastics-Massachusetts.

Feb. 4, 1 p.m. Teagle. Men's Swimming-Brown.

Feb. 4, 2 p.m. Grumman Squash Courts. Men's Squash-Pennsylvania.

Feb. 4, 3 p.m. Teagle. Men's Wrestling-Brown and Ithaca College.

Feb. 4, 4 p.m. Helen Newman. Women's Swimming-Brown.

Feb. 4, 6 p.m. Barton. Men's JV Basketball-Mohawk Valley Community College.

Feb. 4, 8 p.m. *Barton. Men's Basketball-Harvard.

Feb. 4, 8:15 p.m. Oxley Polo Arena. Men's Polo-Virginia.

Friday

Feb. 10, 5 p.m. Teagle. Men's Wrestling-Yale, Feb. 10, 7:30 p.m. Oxley Polo Arena. Women's Polo-Connecticut.

Feb. 10, 7:30 p.m. *Lynah. Men's Hockey-Dartmouth.

Feb. 10, 7:30 p.m. Barton. Women's Basketball-Pennsylvania.

Saturday

Feb. 11, 11 a.m. Teagle. Men's Fencing-Harvard.

Feb. 11, 1 p.m. Teagle. Men's Wrestling-Harvard.

Feb. 11, 1 p.m. Barton. Women's Track-Yale.

Feb. 11, 1 p.m. Teagle. Women's Fencing-Harvard.

Feb. 11, 6 p.m. Helen Newman. Men's JV Basketball-Binghamton.

Feb. 11, 7:30 p.m. *Lynah. Men's Hockey-Clarkson.

Feb. 11, 8:15 p.m. Oxley Polo Arena. Men's Polo-Connecticut.

Sunday

Feb. 12, 3 p.m. Helen Newman. Women's Basketball-Princeton.

Feb. 12, 8 p.m. Lynah. Men's JV Hockey-Sheridan College.

Theater

The Beaux' Stratagem

George Farquhar's comedy on the bawdy ritual of how to trap a mate, "The Beaux' Stratagem," will open Feb. 23 in Theatre Cornell's Willard Straight Theatre. Performances are scheduled for Feb. 23-25, March 1-3 and 8-10 at 8:15 p.m. and March 4 at 2:30 p.m.

Guest designer Michael Anania will create the English country settings for Farquhar's madcap romance. Anania has been the resident designer for the Lake George Opera Festival for eight consecutive seasons and, during the past year, has designed for the Burt Reynolds Dinner Theatre, The Darien Dinner Theatre, Minnesota Opera and Boston's Charles Playhouse. He made his Broadway debut in 1980 designing "The Canterbury Tales," and has designed off-Broadway productions for Equity Library Theatre, Cafe La Mama, and The Bottom Line Cabaret.

Tickets are available from the Theatre Cornell box office, lower floor of Willard Straight Hall, open 1-6 p.m. Telephone reservations may be made by calling 256-5165. Visa and Mastercard are accepted.

There will be an open forum after the March 4 matinee performance. The forum is part of the continuing Sunday Matinee discussion series, which are free and open to the public.

Barton Blotter

Five wallets and a purse with \$188 in cash and valuables were reported stolen on campus during the period of Jan. 23 through 29, according to the morning reports of the Department of Public Safety.

In all there were 16 thefts reported with losses totaling \$2,502. The single largest theft in terms of value involved the loss of seven chairs and four tables from the basement of Clara Dickson Hall. Monetary loss was set at \$1,580.35.

Other thefts included \$345 in ski equipment taken from the West Dorms parking lot area; six textbooks costing \$94.38 from the Campus Store, and a \$75 emergency light taken from a car parked in the Cascadilla parking lot.

Two fire extinguishers costing \$30.72 each were recovered after having been reported stolen earlier this month.

There were two incidents reported of students harassing other students.

Cornell's Solution to International Culture Shock

Steven Jalso Repays and Repays a Debt to a German Woman

By MELISSA COOK

"When I came to this country years ago, a little old German lady took me under her wing and taught me how to get along in this country. She helped me feel at home, and that's what I want to do for foreign visiting scholars who come to Cornell—I want to help them overcome the cultural shock and initial difficulties so they feel more at home here," said Steven Jalso, project coordinator for visiting foreign academic staff members.

This new program, which was launched last July through the International Students Office, provides temporary housing for new foreign academic staff members and their families. In addition Jalso assists in finding a more permanent residence and setting up housekeeping.

"Many of the people I help come to America with only a few suitcases and the name of the professor for whom they will be working," Jalso says. "If they come here with money, I have no trouble finding them a place to live, finding them a car—but so many have little money to work with."

Jalso has been working with foreign visitors for most of his 22 years at Cornell, although not in an official capacity. Coming to Cornell in 1961 as a research support specialist, he earned both his bachelor of mechanical engineering and his professional engineering degrees here. Jalso attended Dickinson College before coming to Cornell, earning a bachelor of science degree in physics. He immigrated from Hungary to the United States in 1957, after the Hungarian revolution.

While in Hungary, Jalso worked as a Volkswagen salesman, and when he came to the United States, he packed his sales techniques along with his suitcase. While a student at Dickinson, he continued to sell cars—but this time they were Mercedes-Benz.

Jalso says his engineering training coupled with his experience with people through car sales makes him a "handy" person. When friends had car trouble or had problems finding a place to live, he was always eager to help them.

By word of mouth, news of Jalso's helpfulness spread and soon he found himself with letters from people abroad asking for help settling in the area. His friends and acquaintances referred other homeless visitors to him and Jalso says, "This job started out as something I did just for a few visitors of the Physics Department and it kept getting bigger and bigger, taking more and more of my time; eventually it required a full time commitment. I am paid by Cornell—I don't accept any money from the people I help. The satisfaction comes from seeing foreign visitors settled happily."

Because of the large number of foreign students and faculty members who come to Cornell every year from abroad, Jalso has limited his assistance to foreign staff with Ph.D.'s and above. He works with a staff of three people. One of them speaks Spanish, and one, Russian. Jalso says that with his fluent Hungarian and German in the wings, someone can always communicate with the people who contact him.

"Communication is so important," he stresses. "Imagine yourself stepping off a plane in a completely foreign place; you've come to the country to work with a professor at a university, and the only person you know is that professor. You speak the language, but not fluently, and you have little money. You don't understand the customs of the country, and you have nowhere to stay."

"Now," he continued, "how would you feel if someone came up to you in the airport who spoke your language and said, 'Come with me—I have a place for you to stay, and I will help you find a permanent



The Cornell-owned house on Fall Creek Drive is the temporary home of foreign staff members aided by Steven Jalso. The housing is inexpensive and features fully furnished apartments which can be rented for up to a semester.

home and get settled.' That's what I do for these people; I help them get over that initial fear of the unknown—the cultural shock."

Sometimes, foreign staff members contact Jalso before coming to the United States, often having heard of his home-finding talents from people he had already helped. Many people, however, arrive in Ithaca without warning, asking Jalso for help. "If I have had time before the families come to America, I can often have an apartment ready for them to move into," he says.

A large Cornell-owned house divided into apartments on Fall Creek Drive is the temporary home for foreign visitors and their families. While living in the apartments, the visitors enjoy a full kitchen in a clean private apartment which is completely furnished. Since most Fall Creek house residents have no cars, Jalso takes them to grocery stores and wherever else they need to go in the van purchased for just such purposes. For trips close to home, a pool of bicycles is available to all residents.

Similar to the bike pool is the collection of household items available to residents until they can purchase their own. Everything from dishes to blankets to board games for the children is part of the temporary housing package.

"People take things from the pool as they need them," Jalso says. "When they leave the apartment, they return the items for others to use. Often, too, they will buy something and leave it here when they go to help our pool get bigger and bigger."

The maximum length of time a family may stay in the apartments is a university semester, approximately four months, and most are settled into a permanent home before that.

"My program is simply a formalization of what I like best to do—help people—and it has great potential. This program grows with Cornell's increasing interest and participation in international educational exchange."



Steven Jalso with a couple of the bicycles available to foreign staff members who live in the temporary Fall Creek Drive apartments.

The Era of the Microcomputer at Hand on Campus

University Now Has Agreements with Several Computer Manufacturers

Cornell Computer Services has completed negotiations with several microcomputer manufacturers, enabling students, faculty and staff members and departments of the university to purchase personal computing equipment at substantial discounts from retail prices.

While the university has not gone so far as to require students to own or use computers, the effort to increase availability of microcomputers is made in the belief that the machines are valuable learning tools, according to Kenneth M. King, vice provost for computing and head of Cornell Computer Services.

Cornell Computer Services is the unit of the university that operates central computing facilities for the Ithaca campus and provides service, including consulting, to users of personal computers. Microcomputers, sometimes known as personal computers, are generally defined as self-contained, desk-top machines used for a variety of tasks and costing under \$10,000.

Discount purchase agreements ranging from 20 to 60 percent have been negotiated with Apple Computer Inc., Digital Equipment Corp., Hewlett-Packard Co., International Business Machines Corp., and Tandy Corp. (Radio Shack). For example, one

recently introduced microcomputer with a retail price of \$2,500 will be sold through the discount program for about \$1,125.

"Microcomputers will have the most revolutionary impact on scholarship since the invention of the printing press," said Vice Provost King. "The printing press made information available to everyone; microcomputers will enhance the power of the human mind."

Suggesting that the introduction of the microcomputer may bring about the most profound change in university education in the last half century, Professor of Agricultural Engineering and Chairman of the University Computing Board J. Robert Cooke said, "Few tools are so universal and have so much potential for influencing us as do computers. The entire university will be profoundly affected by the anticipated widespread usage of microcomputers." The Computing Board is an advisory board to the university provost, made up of faculty and staff members who study policy questions on central and decentralized computing.

The increased availability of microcomputers for students will place Cornell, which already is said to be "in the top 10" colleges and universities in terms of com-

puting capability of all kinds, in the top five, the vice provost predicts. In addition to the university's mainframe computers with 250 public workstations and numerous specialized computers for research and administrative purposes, there are now an estimated 1,000 microcomputers in use on the Ithaca campus, according to Douglas S. Gale, director of Decentralized Computer Services.

The use of microcomputers in coursework will be guided by policies of the deans, directors and faculty members of the schools and colleges that make up Cornell University, the vice provost said, and public computing equipment will continue to be available to students who do not wish or are unable to buy microcomputers. Purchase of microcomputers will be handled through the Network Communications section of Cornell Computer Services.

The purchase agreements negotiated with computer manufacturers prohibit use of the university's name in advertising without consent, the vice provost said. "We have not made any commitments that compromise Cornell's freedom to develop its curriculum and we have not sold any intellectual property rights," King said, adding that programs written by students

or faculty members for particular computer brands will belong to the authors or to the university, rather than to the manufacturers.

Cornell has joined two consortiums designed to further the educational application of computers, The Inter-university Consortium for Educational Computing, which is funded by the Carnegie Corp. and consists of 18 members, and the Apple University Consortium, established by Apple Computer Inc. and made up of 24 colleges and universities.

Although the expenditure of one or two thousand dollars for a microcomputer might seem exorbitant, the purchase could be considered part of the cost of a university education, King suggested. If one includes in the cost of a four year education direct expenses and lost opportunity to earn income, the cost of a microcomputer is a few percent of the total cost. "If we can enhance student productivity and learning significantly more than a few percent, then purchasing a microcomputer is an intelligent thing to do. In any event we believe we have been able to reduce the cost of a powerful learning tool to a price many students will be able to afford."

New Research Unit Will Study the Continents

A new research unit, the Institute for the Study of the Continents (INSTOC), has been established at the College of Engineering.

Jack Oliver, the Irving Porter Church Professor of Engineering and former chairman of the Department of Geological Sciences, has been appointed to a five-year term as the first director of the institute.

"INSTOC is designed to contribute to the understanding of the origin and evolution of the continents, and to develop new knowledge that will enhance utilization of the earth by mankind," according to Thomas E. Everhart, dean of the College of Engineering.

Initially, the program of the institute will include current research efforts in geological sciences at Cornell under the Cornell Program for the Study of the Continents (COPSTOC), the Consortium for Continental Reflection profiling (COCORP) project, the Cornell Andean Project and related studies of crustal geology.

The institute will be quartered with the Department of Geological Sciences in Snee Hall, a modern earth science facility now under construction on the Engineering Quadrangle of the Cornell campus and scheduled for completion in mid-1984.

"INSTOC is intended to enhance the interaction among researchers in this discipline and others both in the United States and abroad," according to Oliver, a specialist in studies of the deep continental crust. Among other things, the institute will be an information resource, Oliver said, with



A band of trucks is lined up as part of a COCORP project in California.

COCORP data accumulated in magnetic tape and maps during the 10 years of that project's operation, as well as seismic and earthquake data on microfilm and collections of geological samples. Facilities will include computers such as the COCORP Megaseis system and other special instruments.

Current research at INSTOC is funded by grants from the National Science Foundation and by the industrial affiliate members of COPSTOC.

One of four industrial affiliates programs in the Cornell College of Engineering, COPSTOC fosters research on the continents including the COCORP mapping of

the deep structures of the earth.

COPSTOC's 17 members participate in on-campus meetings and exchanges of scientific literature.

The COCORP project uses the principal method of exploration geophysics, seismic reflection profiling, to study earth features of a larger scale and greater depth than those normally investigated by the petroleum industry. More than 5,000 km of seismic profiling surveys at 18 sites around the U.S. have enabled COCORP researchers to determine the deep structure of major intracontinental rifts, map a mid-crustal body of molten rocks, and detect buried sediments and faults that demonstrate the important role of extensive thrusting of large, thin sheets of rock onto and over pre-existing continental rocks as adjoining ocean basins closed and continents collided. COCORP studies are funded at a level of about \$3 million a year by the National Science Foundation.

The NSF also supports research in the Cornell Andean Project, which includes studies of seismology, structural geology and stratigraphy, petrology and geomorphology in Chile and Argentina, a region that is an archetype for the mountain-building process where two continents are not colliding. Seismological studies in the Andean Project are combined with geological studies of near-surface structure, volcanoes and tectonic land forms in an attempt to resolve fundamental questions about the mechanics of mountain building.

Space Shuttle to Carry Cornell Sophomore's Experiment

The tenth flight of the Space Shuttle, scheduled for launch 8 a.m. Friday, Feb. 3, will contain an experiment designed by Cornell sophomore Daniel Weber to test the effects of weightlessness on arthritis.

Six rats, three that have been injected with a substance to cause symptoms similar to rheumatoid arthritis in humans and three control rats, will spend eight days in a specially designed module. Upon their return to Earth, scheduled for 7:22 a.m. Saturday, Feb. 11, the rats will be tested to determine whether the weightless environ-

ment eased any symptoms of arthritis.

Weber conceived of the experiment while a high school student in New York City after observing that his grandfather's arthritis pain was lessened by hydrotherapy.

He proposed the experiment to the Space Shuttle Student Involvement Program, which is sponsored by the National Science Teachers Association and the National Aeronautics and Space Administration, and his experiment was one of the first 10 chosen from 1,500 entrants.

His experiment, the first to use live animals on a NASA flight since 1975, is sponsored by Pfizer Inc., the pharmaceutical firm.

The rats will be tested by Pfizer, and later may be sent to the College of Veterinary Medicine at Cornell University for histological and pathological studies.

The experimental setup was tested with rats that had not been given arthritis in the eighth flight of the shuttle in August, and those animals are now living in good health at the Ames Research Center in California.

This group of rodent space travelers will spend their time in a module, floating freely if they wish, and eating food bars for nourishment and potatoes for water.

The experiment does not require special care from any of the five astronauts on board. The rats' activities will be videotaped for study when the shuttle returns.

AT&T Breakup Has Campus Repercussions

Repair, Administrative Costs Require Vigilance

The fragmentation of telephone communication services caused by the breaking up of AT&T could result in substantial increases in repair and administrative costs unless campus users are particularly vigilant, according to Harold D. Craft Jr., director of telecommunications for the university.

Confusion over who to call for which problem may not only cost more money directly in, for example, calling the wrong repair person, but also indirectly in lost service time, according to Craft.

"The best way to avoid many foreseeable problems is to work through the Telecommunications office at the Weinholt Chilled Water Plant, telephone 256-5370," Craft said.

"You should think of us as a one-stop shopping center for telecommunications services on campus," Craft said.

He explained briefly how the breakup has caused confusion among users. For example, in the area of repairs, line and switching system problems are the responsibility of New York Telephone Co., which combined with New England Telephone as

NYNEX, one of the seven regional telephone companies formed from the breakup of AT&T.

On the other hand, desk equipment is the responsibility of AT&T Information Systems and long distance calls come under AT&T Communications, residual corporations of the old AT&T.

The fragmented responsibilities for various problems make it important that an accurate diagnosis of a problem be made so that the right persons are contacted, he said.

"AT&T repair technicians may be paid an hourly rate for their traveling time as well as actual repairs. Wild goose chases will cost money," he said.

"Our office is prepared to try to avoid these, and many other problems as well," he said.

Another potential increased cost resulting from the breakup are the proposed "access charges" for every telephone user which could amount to \$2 to \$6 a month per phone if and when they are assessed, he said.

This battle is being fought in Congress

and the Federal Communication Commission. The latter has already voted a year postponement of the charge for households and small businesses, but not big business, a category in which the university would undoubtedly fit, Craft said.



People

Gordon Maycumber New Director of Life Safety Services

Gordon W. Maycumber, deputy chief of the Syracuse Fire Department, has been named director of University Life Safety Services.

Maycumber takes the place of Eugene J. Dymek who retired in 1983 after serving as director of safety programs since 1967. The appointment is effective Jan. 2, 1984.

A member of the Syracuse Fire Depart-

ment since 1949 and, as deputy chief, supervisor of all phases of training for the 500-man department, Maycumber takes charge of the Cornell unit that is responsible for fire protection and prevention as well as other safety programs at the Ithaca campus and all off-campus facilities except the Medical College. He reports to W. Donald Cooke, director for occupational

health and safety programs.

Commenting on the appointment, Cooke said, "I am most pleased that we have been able to attract a person with Gordon's background and experience to this important post."

The Life Safety organization functions on a 24-hour-a-day, seven-day-a-week schedule. Its mission is that of a service organization responding to emergency incidents, investigating alarm activations, performing safety inspections, and inspecting and maintaining all portable fire ext-

inguishers, alarm systems and fire suppression systems. Life Safety provides safety supervision at university athletic, social and cultural events, and conducts training in such areas as the use of portable fire extinguishers.

Maycumber holds a bachelor of professional studies degree from the State University of New York, and is a specialist in fire department administration and protection of historical sites, museums and libraries.

Death Heads Regional Offices

Murray A. Death, director of Cornell University's alumni annual giving program since 1975, has been named director of Cornell's Public Affairs Regional Offices effective Jan. 1.

Death succeeds Laing E. Kennedy who became Cornell's director of physical education and athletics in September.

Death, a 1967 Cornell graduate, who attended the university's Executive Development Program last summer, will manage the nine offices throughout the United States that are primarily responsible for implementing Cornell's public affairs programs.

In addition, Death will direct or coordinate the public affairs programs in the schools, colleges and departments at Cornell.

Richard M. Ramin, Cornell's vice president for public affairs, said, "The Cornell Fund has consistently set records for alum-

ni giving while Murray has been its director. That success, combined with his 15 years of experience in public affairs, is excellent background for this management position."

As an undergraduate, Death played three years of varsity hockey. He was co-captain of the 1966-67 team that won the national championship. He was also a member of Beta Theta Pi fraternity, and Ho-Nun-De-Kah and Sphinx Head honorary societies.

Carol L. Krumhansl, assistant professor in Cornell University's Department of Psychology, has received the Distinguished Scientific Award for an Early Career Contribution to Psychology from the American Psychological Association. Her research, in the area of sensation and perception, focuses on visual and auditory perception, particularly in the field of music.

Krumhansl was hailed by the association for her "elegant quantitative elucidation of cognitive schemata underlying visual, auditory and particularly musical perception" in establishing that in a musical context, tones are interpreted via an internal tonal schema corresponding to the musical key implied by that context.

Christine A. Shoemaker, associate professor of environmental engineering, has been named associate director of the School of Civil and Environmental Engineering. Professor Shoemaker has been on the Cornell faculty since 1972. Her research interests are in the mathematical and statistical analysis of problems arising in environmental management. She recently completed a major study of the expansion of a large wastewater treatment network in Long Island.

Orloff Director of Environmental Research

Neil Orloff, professor in the College of Engineering and a nationally recognized authority on environmental law, has been named director of the Center for Environmental Research (CER).

CER is a university-wide, interdisciplinary organization established to support teaching, research and public service that addresses the major environmental issues facing society. Over the past several years, it has carried out studies on such topics as acid rain, contamination of the drinking water on Long Island, methods for estimating the risk from exposure to toxic substances, and citizen participation in the resolution of environmental controversies.

In addition in its role as a university-wide center, CER is the Water Research In-

stitute for the State of New York, as designated by the U.S. Department of the Interior. The Ecosystems Research Center, a collaboration of scientists from Cornell and other institutions in the U.S. and Canada, is funded by the U.S. Environmental Protection Agency and is an administrative unit of the Center for Environmental Research.

Orloff takes the place of Gilbert Levine, who has retired after serving as director since 1974. The appointment is effective Dec. 1, 1983.

A member of the Cornell faculty since 1975, Orloff received the bachelor of science degree in electrical engineering from Massachusetts Institute of Technology in 1964, the master of business administration degree from Harvard Business School in 1966 and the doctor of jurisprudence degree from Columbia Law School in 1969.

He was named a professor of civil and environmental engineering at Cornell in 1981.

T. J. Pempel, professor of government in the College of Arts and Sciences, has been re-appointed director of the university's China-Japan program. The program, regarded as one of the finest in the country, brings professors in various areas of the humanities together to provide graduate training in all aspects of Chinese and Japanese culture and society. Pempel's major field of research is Japanese politics. A Cornell faculty member since 1972, he teaches courses in comparative politics and public policy.

Assistant professor of anthropology P. Steven Sangren has received one of 12 research grants for Chinese studies, sponsored jointly by the American Council of Learned Societies, the Social Science Research Council and the Andrew W. Mellon Foundation. The 12 grants, provided by the Mellon Foundation for full year post-doctoral research or advanced training or language study, are generally offered to China scholars whose doctorates were awarded within the last five years.

Sangren, who has been a member of the Cornell faculty since 1980, does research on the social and cultural dimensions of religious integration stemming from pilgrimages in China.

— TRUSTEE ROUNDUP —

Central Heating Plant Projects to Bring Savings

The Board of Trustees has appropriated a total of \$7,950,000 for new projects in the university's central heating plant expected to result in \$750,000 in net savings for energy by 1986.

One project will involve producing electrical power for use on campus in conjunction with the normal production of steam at the heating plant. The other project will be the conversion of an oil fired boiler to one

that can use coal, wood or refuse or a combination of any of the three.

"The combined estimated net savings from the first year's operation of the new facilities in 1986 is a clear indication of the long-term economic benefits to the university," according to Robert M. Matyas, vice president for facilities and business operations.

The trustees approved the appropriations at their board meeting in New York City Jan. 27 and 28.

The projects are part of a series of steps taken through the years to lessen the impact of sky-rocketing fuel costs, particularly in the past decade, Matyas said.

The project to "cogenerate" steam and electricity includes installation of two turbine-generator sets and associated controls with a total installed capacity of approximately 5 megawatts. In addition,

coal boilers 1 and 8 will be converted to 400 pounds per square inch gauge pressure operation, with all associated steam and feedwater piping, desuperheaters and condensate polishers.

This project is expected to result in a net savings of \$300,000 in 1986, the first year of its operation, through generation of \$1,200,000 worth of electrical power. These savings are after the subtraction of \$600,000 in debt service, \$200,000 in coal purchase and \$100,000 in maintenance.

The other project will convert boiler 2 to solid fuel (coal, wood or refuse) - because it is less than half the price of gas or oil on an energy basis.

The net savings for the first year (1986) will be \$450,000 based on subtracting \$300,000 in debt service and \$50,000 in additional maintenance from the total fuel cost savings of \$800,000.

Summary of Trustees' Actions over Weekend

Actions and reports of the Cornell University Board of Trustees meeting in New York City on Jan. 27-28, 1984 included the following:

A progress report by Provost W. Keith Kennedy and Dean of Admissions and Financial Aid James J. Scannell on the development of budget and financial aid policies for 1984-85.

A progress report by Dean Thomas H. Meikle on development of budget for the Medical College.

A summary by Provost Kennedy on the effect of the State Executive Budget for 1984-85 on the statutory colleges.

A report by Senior Vice President William G. Herbster on the status of development of a new approach to capital planning for the university.

A report by Director of Telecommunications Harold D. Craft on the status of the proposed telecommunications project.

Authorization of the administration to support a proposal by Gov. Cuomo for financing a facility to house a portion of the Biotechnology Institute.

Adoption of a statement of intent regarding consultation with state labor organizations on nominations of trustees from the field.

Authorization of the president of the university to confer degrees.

A report by Secretary of the Corporation Walter J. Relihan Jr. on the re-election of Bernard W. Potter as president of the New York State Agricultural Society and his continuance as an ex officio board member.

A report by Trustee Albert J. Kaneb and Director of Physical Education and Athletics Laing E. Kennedy on the progress of planning for new athletic facilities.

Reports from the following board stand-

ing committees: executive, buildings and properties, land grant and statutory college affairs, board membership.

Reports by Trustees Donald P. Berens and Harold Tanner on the Cornell Fund and on the Tower Club, and by Vice President for Public Affairs Richard M. Ramin on gifts received through Dec. 31, 1983.

A report by Vice President for Research and Advanced Studies Robert Barker on the status of sponsored research at Cornell.

A report by President Frank Rhodes. Personnel matters affecting the endowed and statutory colleges at Ithaca and the Medical College.

Approval of minutes of the board meeting of Oct. 7-8, 1983.

Approval of a recommendation to increase the budget to \$275,000 from \$250,000 for construction of a teaching and research vessel for the Shoals Marine Laboratory.

Approval of a request for the development of plans relating to the construction of a new basic sciences facility at the Medical College.

Authorization to proceed with the construction of a performing arts center in one phase rather than in two.

Approval of recommendations to undertake a project for the cogeneration of electric power and steam, and to reconvert a boiler, both at the central heating plant.

Ratification of a proposal to the National Aeronautics and Space Administration for support of an infrared spectrometer.

A report by Law School Dean Peter W. Martin on the education of professionals.

A report by Trustees Marjorie L. Hart, Albert E. Arent and James L. Gibbs Jr. on the draft report of the Subcommittee on Minority Education, followed by discussion.

Biotechnology Financing Proposal Is Approved

The Board of Trustees has authorized the university administration to give its full support to New York state efforts to help in the financing of an estimated \$30,000,000 facility at Cornell to house a portion of its newly established Biotechnology Program.

Gov. Mario Cuomo is supporting state legislation under which the New York State Urban Development Corp. would finance construction of the facility. The plan calls for the university to reimburse the state at \$1,000,000 a year over a 30-year period.

The facility is still in the preliminary planning stage, according to Robert Barker, vice president for research and advanced studies at Cornell.

The board took its action at its January meeting in New York City Jan. 27 and 28.

In March Cornell was designated by the State of New York as a Center for Advanced Technology for Biotechnology in Agriculture. Biotechnology is the management of biological systems to serve human needs. The center will provide information and technology transfer specifically designed to meet the needs of New

York industry and academic institutions.

Cornell's Biotechnology Program includes the Biotechnology Institute, which is a collaboration between Cornell University and industry. The Biotechnology Program will focus on molecular genetics, cellular biology and cell production. The institute is part of the program's overall goal to foster basic technology research and application to benefit agriculture, food, chemical and pharmaceutical industries.

In September 1983, the Biotechnology Program at Cornell formally began operation. The program involves faculty members from four colleges (Arts and Sciences, Agriculture and Life Sciences, Engineering, and Veterinary Medicine) and is funded in part by three corporations (Kodak, Union Carbide, and General Foods).

More than 300 Cornell scientists and faculty members work with corporate researchers in non-proprietary studies, the results of which will be available to the public.

Assembly Schedules Benefits Planning Sessions

The Employee Assembly in conjunction with University Personnel Services will sponsor a number of information and discussion sessions about benefits planning this month for faculty and staff. The purpose of the meetings is to gain input from employees for use in that planning process.

The schedule for the meetings is at the end of this article. Employees may attend any of the sessions on work time, subject to approval by their supervisors.

At those sessions, representatives from University Personnel Services will present information about specific benefit changes under consideration by the Advance Benefits Task Force.

Chaired by Nancy Hicks, assistant director of University Personnel Services, the 12-member group was appointed by Senior Vice President William G. Herbster in 1982 and was charged with reviewing the university's benefit programs. The task force was asked to recommend the path the university should be pursuing for the next decade in order to assure that Cornell will continue to offer the best possible program within financial realities.

After a careful review of each of the university's employee benefit programs,

the task force has made several recommendations including a gradual move to a program which provides individual flexibility.

The 12-member task force was composed of representatives from the various campus groups—the Faculty Council of Representatives' Committee on the Professional and Economic Status of the Faculty, the Employee Assembly, the Employee Trustees, the Statutory Colleges' Finance and Business Office, the Provost's Advisory Committee on the Status of Women, the Controller's Office, the Office of Institutional Planning and Analysis and University Personnel Services.

In keeping with university policy, the recommendations have been shared with those groups and others on campus to determine how a program can best meet the needs of employees in the future.

In addition to emphasizing flexibility, the task force felt that employees should be provided with some protection against catastrophic events. The group has suggested that the university retain a core of benefits which would include some level of: disability protection, life insurance, health insurance, retirement and educational benefits.

Although any move to a flexible program will have to be instituted gradually, certain recommendations of the task force are now being examined for implementation in July of this year. These include:

- Providing more alternatives for investments within the university's tax deferred annuity plan for both statutory and endowed employees. Plan alternatives would provide employees the opportunity to invest their voluntary contribution in mutual funds with other insurance companies which have various investment options in addition to the two offered through TIAA/CREF. A committee is about to report and make specific recommendations after reviewing some of the various companies offering this service.

- Revising the life insurance program to offer employees the option of buying a higher level of supplemental insurance, for example as much as five times salary, as well as dependent coverage.

- Investigating changes in the health care program to promote more efficient delivery of services to help contain costs while maintaining coverage.

Future benefit options might include:

- Instituting individual flexible spending

accounts for statutory and endowed faculty and staff.

- Providing additional endowed health care options.

The majority of respondents to the Employee Survey indicated that the university's current benefits program more than meets their needs. Continuing to provide an effective program remains a high priority at Cornell, according to Sam Gruenbaum, benefits manager.

February 13, 1984, 2 - 3 p.m., Hollister Hall, 1st floor, McManus Lounge.

February 14, 1984, Noon - 1 p.m., MVR Auditorium.

February 15, 1984, 10 - 11 a.m., Robert Purcell Union Multipurpose Room, 2 - 3 p.m., Vet College - 63 Research Tower.

February 16, 1984, Noon - 1 p.m., Geneva, Jordan Hall Auditorium.

February 17, 1984, 1:30 - 2:30 p.m., Hollis E. Cornell Auditorium.

February 20, 1984, 10 - 11 a.m., 202 Uris Hall.

February 21, 1984, 12 - 1 p.m., Anabel Taylor Founders Room.

February 22, 1984, Noon - 1 p.m., 163 Morrison.

February 23, 1984, 2 - 3 p.m., Caldwell 100.

February 24, 1984, 1 - 2 p.m., 104 Maple Avenue.

Cornell University

University Personnel Services

Day Hall

Ithaca, New York 14853

607/256-5226

Please Note:

Job Opportunities is a publication of Staffing Services and is distributed each Thursday through the **Cornell Chronicle**. Applications for employment can be submitted through the mail. Application forms

are available by the posted **Job Opportunities** listing at 130 Day Hall. For more information on jobs listed, contact Staffing Services, 130 Day Hall, (607) 256-5226.

Employee Transfer Applications: Employees who wish to transfer to other jobs within the University should complete a separate Employee Transfer Application form for each position and submit them to Staffing Services. Individuals with official University layoff status will be given preference in referrals.

In response to the Employee Survey, individual copies of **Job Opportunities** will be available for all employees; complete job posting will be published Thursday of each week in the **Chronicle**. Consequently, the list will no longer be published in its previous form.

This listing is also available on CUINFC, Cornell University's computerized information service, along with campus bus,

movie, dining facility and library schedules. Each regular Cornell employee is entitled to a free computer account. For further CUINFO details, contact the Information and Referral Center at 256-6200 or Computer Services.

Selected job announcements are broadcast on Channel 13 television each Tuesday at 9:30 a.m. and 7:15 p.m. and each Friday at 11 a.m. and 5:15 p.m.

New vacancies are listed for two weeks in **Job Opportunities**.

*Asterisks identify jobs that were not listed last week.

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

*Asterisks identify jobs that were not listed last week.

Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

Administrative/Professional

*Position: Administrative Manager I

Department: Shoals Marine Laboratory

Description: Business Manager. In general, manage nonacademic activities of the Shoals Marine Laboratory, a summer marine educational program, including but not limited to budgeting, accounting, fund raising, material procurement, public relations, supervision and summer logistics.

Requirements: Bachelor's degree or equivalent in business or related field required. Master's degree or equivalent desired. At least five years supervisory experience required. Marine science background desirable. Proven record of working satisfactorily with groups of people in an educational context. Send cover letter, resume and completed employment application to Staffing Services.

Hiring Range: \$12,500-\$20,700

Job Number: P052

Position: Applications Programmer I

Department: Agronomy

Description: Program, service, modify and maintain existing software (RSX-Fortran) primarily on DEC 11/34 computer. Program and document software applications programs related to soil testing laboratory and extension teaching activities. Operate the computer, process lab reports and assist with mailing procedures; maintain data files; assist with interfacing laboratory analytical equipment; advise users on use of computer equipment.

Requirements: Bachelor's degree or equivalent in computer-related science. Fortran programming a necessity. Some machine or assembly language programming desired. Experience with DEC 11 series computers, interfacing of analytical equipment or some knowledge of electronics and/or agriculture is desired.

Hiring Range: \$12,500-\$20,700

Job Number: P042

Position: Purchasing Agent II

Department: Statler Inn

Description: Responsible for coordination of the procurement of materials necessary for the efficient operations of both the Statler Inn and the School of Hotel Administration. Direct staff activities, appraise new products and investigate new sources of supply. Works closely with Department of Purchasing.

Requirements: Bachelor's degree or equivalent. Considerable experience in commercial food purchasing and staff supervision.

Hiring Range: \$12,500-\$20,700

(Job Number: P041)

Position: Administrative Supervisor

Department: City and Regional Planning

Description: Provide management support to Department Chair in areas of communications, budget, administration and personnel. Liaison with other units of university on matters of budget, policies and personnel. Recruit, hire and supervise support staff.

Requirements: Bachelor's degree or a minimum of an Associate's degree in business or administration or equivalent. At least three years administrative supervisory experience, preferably at Cornell. Experience with budget and finance; familiarity with accounting and purchasing systems and policies at Cornell. Strong communication, interpersonal and organizational skills. Send cover letter and resume by February 10, 1984.

Hiring Range: \$12,500-\$20,700

Job Number: P043

Position: Systems Programmer I (Repost)

Department: Chemistry

Description: Assist the Director of the Cornell Chemistry Computing Facility in the operation of the hardware and software aspects of the Facility. Operate PRIME 850 computer. Develop and maintain system software and assist users of the Facility.

Requirements: Bachelor's degree or equivalent in computer science. Working knowledge of PL/1 and FORTRAN. Some on-the-job programming experience; some systems programming experience preferred.

Hiring Range: \$12,500-\$20,700

Job Number: P021

Clerical

All applicants interested in positions requiring typing must take an official university test. Tests are given Mondays and Wednesdays at 8:10 a.m., Room 337, Statler Hall. Please contact Staffing Services for an appointment.

*Position: Administrative Aide, GR21

Department: ILR Extension - Albany, NY

Description: Administer and coordinate activities for the Human Resources Development program in Albany. Work closely with the Co-Director and Administrative Manager of the Program in supervising work flow; troubleshooting; record keeping; preparing project publications; developing basic computer programs; preparing correspondence, class rosters, contracts, vouchers. Full-time, regular, until 12/31/84.

Requirements: Associate's degree or equivalent in secretarial science, administrative science or business. Heavy typing. At least five years experience in a professional setting with specific work in project coordination, computer operation and word processing. Knowledge of word processor/personal computers and shorthand.

Hiring Range: \$11,875-\$14,412

Job Number: C051

*Position: Secretary, GR18

Department: University Development

Description: Provide administrative/secretarial assistance to office of Estate Affairs. Duties include typing correspondence; answering telephones; keeping records; mailings; preparing records; arranging travel and meetings.

Requirements: H.S. education or equivalent. Medium typing. Some secretarial experience. Bookkeeping/accounting experience desirable. Strong organizational, interpersonal and communication (written and oral) skills. Knowledge of shorthand.

Hiring Range: \$10,000-\$12,163

Job Number: C052

*Position: Secretary, GR18

Department: Bursar's Office

Description: Type departmental letters, reports and referrals. Operate Olivetti ET 231 memory typewriter; maintain correspondence file; set up appointments; act as receptionist; process mail and student payments; gather information for Bursar reports and compile statistical reports; assist in various areas of the Bursar's operation.

Requirements: H.S. education or equivalent. Secretarial science training desirable. Heavy typing. Some experience in general office work. Good mathematical, statistical reporting and grammar skills.

Hiring Range: \$10,000-\$12,163

Job Number: C053

Position: Administrative Aide, GR20

Department: University Development

Description: Administrative Aide to the Director of Capital Projects. Provide administrative secretarial support for the overall daily operations of the Major Gifts Program of University Development. Duties include typing, editing, proofreading reports and other materials, arranging appointments and travel.

Requirements: Associate's degree or equivalent preferred. Substantial work experience. Medium typing. Sensitivity in dealing with staff, alumni, volunteers and donors; good secretarial skills including proofreading; strong interpersonal, organizational and communication (written and oral) skills; discretion in dealing with confidential matters.

Hiring Range: \$11,180-\$13,606

Job Number: C041

Position: Secretary, GR18

Department: City and Regional Planning

Description: Provide administrative and secretarial support to Administrative Supervisor and faculty. Duties include typing, editing and proofreading catalog, brochures, flyers, course work, articles, lectures, research papers and correspondence; organizing materials for reports and papers, transcribing material from shorthand or dictaphone; typing manuscripts on word processor; answering telephone; answering inquiries in person and on telephone; maintaining telephone/address file and calendar; other duties as assigned. Nine month position.

Requirements: H.S. education or equivalent. Business or secretarial school preferred. Some secretarial experience, preferably in an educational setting. Medium typing. Shorthand preferred. Editing and proofreading ability. Strong organizational, interpersonal and communication skills. Word processing experience or a desire to learn.

Hiring Range: \$10,000-\$12,163

Job Number: C042

Position: Office Assistant, GR18

Department: Clinical Sciences

Description: Front Desk reception and gathering client history and patient case information; answering and transferring large volume of client and information phone calls; operating computer terminal for medical records functions; handling discharge of patients and cashiering.

Requirements: H.S. education or equivalent. Some college desirable. Light typing. Knowledge of medical terminology. Ability to work independently. Strong interpersonal and communication skills. Ability to work in a complex, active environment.

Hiring Range: \$10,000-\$12,163

Job Number: C043

Position: Senior Records Assistant, GR18

Department: University Libraries - Acquisitions

Description: Responsible for physical maintenance of exchange agreements, including order, cancel, claim and light correspondence. prepare and mail exchange lists and materials; compile annual serials sale lists; type formal gift acknowledgements. Process invoices for payment. Assist in annual book sale. Instruct and oversee student assistants. Back-up section head. Other duties as assigned.

Requirements: H.S. education or equivalent. Previous library or office experience. Good communication, interpersonal and organizational skills. Ability to perform under pressure and with foreign languages.

Hiring Range: \$10,000-\$12,163

Job Number: C049

Position: Secretary, GR17

Department: NYS School of Industrial & Labor Relations

Description: Duties include typing, xeroxing and editing reports and course materials; typing and filing correspondence; making travel arrangements and processing travel expenses for Statewide and Central District Coordinators; providing clerical support for Statewide and Central District Programs including preparing kits, nametags, certificates, evaluations; maintaining xerox machine; ordering office and conference supplies; handling mail; answering telephone; acting as receptionist. One year appointment.

Requirements: H.S. education or equivalent. Business or secretarial school preferred. Medium typing. Some secretarial experience. Strong organizational, interpersonal and communication (written and oral) skills. Attention to detail. NYS driver's license required.

Hiring Range: \$9,492-\$11,500

Job Number: C044

Position: Office Assistant, GR16

Department: State Finance & Business Office

Description: Provide accounts payable and clerical duties including numbering and batching vouchers; maintaining records of computer document processing; inputting documents on terminal for payment on state appropriations;

matching state expenditure documents to transmittal documents and mailing to Albany; other duties as assigned.

Requirements: H.S. education or equivalent. Light typing. Clerical and general office experience. Some data entry experience helpful. Strong organizational, interpersonal and communication skills.

Hiring Range: \$9,040-\$10,881
Job Number: C045

Position: Office Assistant, GR16
Department: Hotel School
Description: Mail, sort and distribute incoming and outgoing mail; organize twice daily the mail cart system in the building for faculty, staff and students. Perform other duties as assigned.

Requirements: H.S. education or equivalent. Some experience in operating copiers (Xerox 3100, 9200 and 9400), the 920 stapler, folders and other machines in unit during absences and peak periods.

Hiring Range: \$9,492-\$10,881
Job Number: S044

General Service

***Position:** Machinist, GR22-26
Department: Lab of Nuclear Studies
Description: Machining and assembly of highly sophisticated experimental apparatus using precision machine tools and inspection equipment. Work from detailed drawings or rough sketches. Set up and operate equipment; fabricate parts and assemblies to very close tolerances; maintain and repair equipment; create form tools and drill fixtures. Perform other duties as assigned.

Requirements: H.S. education or equivalent, apprenticeship or equivalent experience. Course work in algebra and trigonometry desired. Shop math required. Some to considerable experience as a machinist or related activity. Able to apply algebra and trigonometry to shop situations.

Hiring Range: \$12,515-\$19,129
Job Number: S051

***Position:** Business Machine Mechanic, GR20
Department: Office Equipment Center
Description: Assist mechanics with the dismantling, cleaning, oiling, greasing, reassembly and adjustments of business machines such as typewriters, adders, calculators, dictating equipment, tape recorders, etc.

Requirements: H.S. education or equivalent; trade or technical school education in business machine mechanics or equivalent education or work experience with some experience in repairing business machines; mechanical ability; knowledge of hand tools; ability to read and understand service manuals and schematics.

Hiring Range: \$11,180-\$13,606
Job Number: S052

***Position:** Trades Assistant, U100
Department: Maintenance and Service Operations

Description: Assists Union Tradesperson. Pick up and deliver supplies at job site. Load and unload materials and equipment. Return material and supplies to tool crib or inventory clerk. Acts as union tender at job site. Keep shop areas clean. Operate small equipment. Must join union.

Requirements: Eighth grade or equivalent. Some unskilled construction experience desirable. Driver's license. Working knowledge of tools used in types of construction. Ability to perform strenuous physical labor in all environments. Alert, cautious and customer-oriented.

Hiring Range: \$4.80/hour
Job Number: S053

Position: Assistant Baker, S020
Department: Cornell Dining
Description: Assist bakers in preparing full variety of baked goods including rolls, breads, cakes, cookies and pastries.

Requirements: H.S. education or equivalent. Some experience. Familiarity with baking equipment.

Hiring Range: \$5.33/hour
Job Number: S041

Position: Material Handler, S018
Department: Lab of Atomic and Solid State Physics (LASSP)

Description: Perform laboratory support duties for research-oriented facility. Perform equipment maintenance, receive and pick up material as required and keep records. Perform other duties as assigned.

Requirements: H.S. education or equivalent. NYS driver's license. Some experience with stock and supply methods, including record keeping. Some experience delivering supplies

and mechanical aptitude desirable.

Hiring Range: \$4.79/hour
Job Number: S042

Position: Material Handler, S018
Department: Statler Inn
Description: Assist the Beverage Manager in all aspects of the restock and control of the Statler Beverage department. Restock beverages, keep records, verify delivery orders, track returnables. Assist in banquet functions as required. Take inventory. Perform other duties as assigned.

Requirements: H.S. education or equivalent, additional course work in the hospitality industry desired. Some experience working in the hospitality industry, including bookkeeping/accounting experience; bartending and knowledge of wines desired.

Hiring Range: \$4.79/hour
Job Number: S043

Technical

Applications for Technical positions should include the following information:

- Scientific/technical courses completed;
- Lab techniques and/or equipment (knowledge of)
- Special skills (e.g. knowledge of computer language)

***Position:** Electronics Technician, GR22
Department: Computer Science
Description: Provide technical support services for the Computer Science Department Computing Facility. Responsible for scheduling and coordinating all computer equipment maintenance for the facility. Running computer hardware diagnostics. Providing terminal and hardware maintenance.

Requirements: Associate's degree or equivalent in electronics or computer technology. Some experience in electronic circuit construction, electronic and computer equipment maintenance, small amount of computer programming preferred.

Hiring Range: \$12,515-\$15,239
Job Number: T051

***Position:** Technician, GR18
Department: Diagnostic Laboratory
Description: Perform clinical research involving procedures as outlined in protocol of project, control of Mycoplasmas, Ureaplasmas, Haemophilus somnus and Campylobacter fetus in extended bull semen. Full-time until 8/31/84.

Requirements: Bachelor's degree or equivalent in biology, microbiology or a related field. Basic lab skills including pipetting, sterile techniques; some bacteriology desirable.

Hiring Range: \$10,000-\$12,163
Job Number: T052

Position: Technician, GR21 (Repost)
Department: Genetics and Development
Description: Set up and perform experiments in microbial genetics and molecular biology. Carry out transformation and transductions with various bacteria. Grow and purify various bacteriophages and plasmids. Extract, digest and analyze DNA samples, recording and interpreting data.

Requirements: Bachelor's degree or equivalent in microbiology or biochemistry desired. Experience in sterile techniques essential. Experience in DNA cloning and with radioisotopes highly desirable. Ability to work independently.

Hiring Range: \$11,875-\$14,412
Job Number: T475

Position: Animal Technician, GR19
Department: Lab of Animal Services
Description: Responsible for daily care of laboratory animals, including proper care and feeding, providing fresh water and exercise, the general cleaning and maintenance of cages, pens and environment. Maintain laboratory animal identification, inventories and breeding records. Responsible to supervisor in carrying out assigned duties.

Requirements: H.S. education or equivalent. Course work in animal husbandry desired. Some animal handling experience desired. Assistant Animal Technician certification helpful. Willingness to work weekends.

Hiring Range: \$10,000-\$12,163
Job Number: T041

Position: Research Assistant I
Department: Boyce Thompson Institute - Contact Department Directly - See Below
Description: Assist with studies on molecular aspects of plant disease processes; grow fungi in culture; isolate natural products; chromatography and bioassay; general laboratory support.

Requirements: Bachelor's degree or equivalent in biological sciences or biochemistry. Laboratory experience and chemistry background desirable.

Hiring Range: \$11,000-\$13,000
CONTACT DIRECTLY: Dr. V. Macko, Boyce Thompson Institute, 257-2030

Part-time

***Position:** Research Support Specialist I
Department: Division of Nutritional Sciences
Description: Assist Project Supervisor with the evaluation of the New York State EFNEP Food Stamp program. Write and pretest evaluation questionnaire; train and supervise people collecting data (six sites in rural/urban New York as well as New York City); use statistical packages to analyze data; prepare data analysis summaries for project reports. 20 hours per week, February 1 - July 31, 1984.

Requirements: Master's or equivalent in nutrition or nutritional biochemistry. Willing to travel. Ability to use computer's statistical packages.

Hiring Range: \$12,500-\$20,700/annual equivalent
Job Number: P051

Position: LC Cataloger, GR20
Department: ILR - M.P. Catherwood Library
Description: Handle detailed work involving the retrospective conversion of approximately 60,000 manually produced catalog records. Review service organizations' work with photocopies of the library shelf list records. Resolve complex problems and carry out extensive on-line searching for authoritative names and subject headings. Check converted records on RLIN for accuracy. Input and proofread cataloging record using RLIN system. Part-time, regular (20 hours/week, to be arranged) for one year.

Requirements: Associate's degree or equivalent. Some relevant technical services experience. Background in social sciences helpful. Medium typing. Ability to handle details with absolute accuracy, judgment and precision; knowledge of MARC tagging; experience with cataloging procedures; familiarity with RLIN and/or OCLC on-line cataloging system.

Hiring Range: \$11,180-\$13,606/annual equivalent
Job Number: C048

Position: Secretary, GR16 (Two Positions)
Department: School of Hotel Administration
Description: Typing classroom materials, exams and correspondence; answering telephones; filing. Other duties as assigned. Part-time, regular (20-25 hours per week) until 1/85.

Requirements: H.S. education or equivalent. Medium typing. Some secretarial experience. Knowledge and/or willingness to learn word processor.

Hiring Range: \$9,040-\$10,881/annual equivalent
Job Number: C046, C047

Temporary

In addition to regular, part-time opportunities, Temporary (less than six months) positions, both full-time and part-time, are available. Although many openings are clerical, there are often positions offered in other areas. As Temporary openings do not always appear in this listing, please contact Staffing Services for more information.

***Position:** Temporary Technician, T-3
Department: Microbiology
Description: Maintain supplies and carry out immunological and bacteriological techniques for a research group; assist in bovine immunity. Duties include handling experimental animals such as mice. Full-time, temporary, for six months.

Requirements: Associate's degree or equivalent in biology, preferably microbiology. Some experience in immunology or microbiology desirable. Good organizational skills and willingness to work with experimental animals.

Hiring Range: \$5.00/hour
Job Number: T053

Academic

Please contact department directly.

***Position:** Research Associate I
Department: Plant Pathology, Geneva, NY
Job Number: A051

Position: Assistant Professor
Department: Physics - Lab of Nuclear Studies
Job Number: A041

Graduate Bulletin

Reminder: Doctoral students who wish to avoid paying the active-file fee of \$200 for the spring term must have met all degree requirements by February 10. This includes filing two acceptable copies of the thesis in the Graduate School Office.

All graduate students must turn in course registration forms at Sage Graduate Center by Friday, February 10.

Late registration is now being held at the Registrar's Office, 222 Day Hall. A \$50 late registration fee will be charged for late registration for the first three weeks of the semester; there will be a \$60 charge for the fourth week, a \$70 charge for the fifth week, \$80 for the sixth week, and \$25 additional for each week thereafter.

Forthcoming fellowship deadlines are listed below.

February 15: U.S. Navy Office of Naval Research (ONR)—Available to citizens or nationals of the United States in electrical engineering, computer science, aerospace/mechanical engineering, materials science, or applied physics who will receive their baccalaureate degree in 1984, or who by reason of military service or other circumstances, have not attended graduate school in science or engineering since receiving their baccalaureate degree. ONR Graduate Fellows selected in 1984 will receive stipends as follows: \$13,000 for the first year; \$14,000 for the second year; \$15,000 for the third year. In addition to stipends ONR will pay full tuition and fees and provide \$2000 per year to the Fellow's department. Application materials may be obtained from the American Society for Engineering Education (ASEE) 11 Dupont Circle, Suite 200, Washington DC 20036 (202) 745-3616.

March 1: The President's Committee on Mental Retardation—Available to students in education, social science, medicine, nursing, biological science, psychology, and physical therapy who are citizens of the United States. Applicants must document a 3.0 GPA, an economic need, a significant amount of volunteer activity with mentally retarded persons, and present evidence

of good moral character. A letter of recommendation from the dean of the applicant's college is also required. Applications may be obtained by writing: The President's Committee on Mental Retardation, Washington, DC 20201.

March 1: U.S. Department of Energy, Fossil Energy Research Opportunities—Applicants in the engineering and physical and earth sciences are eligible to apply. Applicants must be full time beginning graduate students, or master's and doctoral degree candidates who have completed all degree requirements except the thesis research. Applicants must be U.S. citizens or permanent resident aliens. For masters and doctoral candidates, the annual stipend is \$8400 with additional allowances for dependents. Tuition and fees are paid. Appointees will be reimbursed for inbound travel. Appointments are for 6 or 12 months. Applications should be requested from: Fossil Energy, University Programs Division, Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge, TN 37831.

March 1: The American Numismatic Society—Available to students in the humanities, or social sciences who have completed the general examination for the doctorate and who will be writing a dissertation during the academic year 1984-85 on a topic in which the use of numismatic evidence plays a significant part. Applicants must also have attended one of the American Numismatic Society's Graduate Seminars prior to the time of application. The American Numismatic Society will award a Fellowship of \$3500. Applications may be obtained by writing: The American Numismatic Society, Broadway at 155th Street, NY, NY 10032.

March 1: Hubert H. Humphrey Fellowship Arms Control and Disarmament—Applicants in arms control and disarmament or law (J.D.) are eligible. Fellows must be citizens or nationals of the U.S. and degree candidates at a U.S. university. The fellowship stipends will be \$5000 plus tuition and fees up to a maximum of \$3400. For more information and applications write: Hubert Humphrey Fellowship Program, Office of Public Affairs, U.S. Arms Control and Disarmament Agency, Washington, DC 20451.

Faculty Bulletin

November 9, 1983
110 Ives Hall

Nothing can be done at once hastily and prudently.

Publius Syrus, Maxim 5557

The Speaker, Russell D. Martin, called the meeting to order at 4:33 p.m. Absent a quorum, approval of the September minutes was delayed.

1. ANNOUNCEMENTS BY THE DEAN

Dean of the Faculty, Joseph B. Bugliari, made the following announcements:

The members of the Ad Hoc Committee to Review the Appeals Procedures are: Ken Strike, Education, Chair; Barry Adams, English; Gail Fine, Philosophy; Terry Fine, Engineering; Fran Herman, Hotel; Dan Tapper, Veterinary Medicine; Larry Walker, Agricultural Engineering. Mary Beth Norton, Chair of the FCR Executive Committee and the Dean of the Faculty will serve as ex officio Committee members. The Dean urged the Faculty to convey "any comments or ideas" they may have about the procedures to his office or to individual members of the Committee.

The Faculty is expected to honor the rules concerning exam schedule changes. "If there is a problem," Dean Bugliari noted, "you should contact our office; otherwise, I'll expect you to observe the rules we have."

The Dean then turned to the agenda for the meeting. "Assuming today's meeting is successful," he said, "we will plan to have another series of presentations by various people in December. At that time, you will hear about the telephone service... which may be instituted; about what is going on in computers; and finally, what in the world we are doing with respect to buildings and properties, including Academic I."

Then the Dean offered another "Sneak Preview", unveiling "a series of programs on computers during the first two weeks in January... There will be three levels of programs — those for people like myself who know nothing about computers, an intermediate program, and... an advanced one." Dean Bugliari then concluded his remarks by promising "...to have more about these computer programs at our next meeting."

Speaker Martin thereupon announced, with appreciation, that Professor P.C.T. deBoer, Mechanical and Aerospace Engineering, had agreed to serve as Parliamentarian for the body in the coming year. A warm round of applause followed.

At this juncture, the Speaker described the meeting agenda. "There will be four Committee reports. We are attempting to limit each one to a total of twenty minutes, including questions and answers, so that we may finish by 6 o'clock." (Note: The Committees, in order of presentation: Budget, Admissions and Financial Aids, Library, and Research Policies.)

Then the Speaker introduced Professor Alan McAdams, Graduate School of Management, Chair of the Budget Committee.

2. BUDGET COMMITTEE REPORT

Professor McAdams: "I want to tell you who we are, what we do, and the criteria we use for evaluating the fiscal health of the University."

"Who are we? We are an FCR Committee, elected by the Faculty. Two of our members are from the FCR. Current members are: Peter Auer, Mechanical and Aerospace Engineering; Robert Bechhofer, Operations Research and Industrial Engineering; Dale Oesterle, Law; Peter Kahn, Mathematics; John Nation, Electrical Engineering; Eugene Erickson, Rural Sociology; and myself from the School of Management. That's a broad spectrum of people. In addition we work with Joe Bugliari, Jim Spencer, the Vice-Provost, who shepherds us through the year, and John Lambert, who shepherds him Spencer through the year. We meet with Provost Keith Kennedy when we have important questions to raise. Over this year, we have met with various University officials: Messrs. Herbster, Ostrom, Doney, Brown, King and Craft; various people from the Admissions and Financial Aid office, and the Endowment Office, among others. We maintain liaison with the Committee on the Professional and Economic Status of the Faculty, and with the Library Board. We have a representative on the University Assembly's Budget Committee and on the Provost's Budget Priorities Committee.

"Okay, what do we do? The members of our Committee asked me to begin to address that question in another form: 'Do we do anything?', 'Do we achieve anything?', and I must say that sometimes it is very hard to see that we have done much, especially in return for the amount of time we put in. But I would say, at the margin, yes we do make a contribution. For example, we have focused on a more efficient use of financial

aid funds — thanks to an economic analysis done by my predecessor, Ron Ehrenberg. We've looked at endowment policies and made recommendations on changes in the handling of some general purpose gifts, which previously were always taken into endowment, no matter what their size. We have been an effective liaison, I believe, with the Committee on the Professional and Economic Status of the Faculty, and together we've had an effect on faculty compensation. I think we can point to a couple of percentage points in your paychecks last year that our joint efforts have contributed to, and we believe that those percentage points came as a reasonable trade-off with other priorities.

"We help in identifying guidelines in the budget process by looking at both the income and expense projections for the coming year and for the two successive years. The major trade-offs that we deal with are among tuition, 'self-help' for recipients of financial aid, compensation improvements for faculty and staff, graduate assistance stipends, and so forth. We also know what's happening on the investment front — in gifts, overhead expenditures, etc. We look at this series of elements as they interact in what is known as the 'general purpose (GP)' budget, the melting pot where all these various elements come together, where they have a common denominator of dollars, where we make trade-offs and try to come to a balanced budget. The objective is to present a recommendation to the trustees in May of a budget which is balanced. Are there any questions at this point?"

Professor Walter Lynn, Director, Science, Technology and Society Program: "Yes. Who are the 'we' in this? Is this 'we', the Administration, or 'we', the Budget Committee?"

McAdams: "The Administration is doing it, making the decisions. We, the Budget Committee, are consulting with them. We meet with them frequently. Recently, it's been every week. We are a sounding board and devil's advocate, especially when it comes to tough trade-offs:

"We help in identifying guidelines in the budget process by looking at both the income and expense projections for the coming year and for the two successive years."

'Are we going to raise tuition by X percent? If we do that, it will give us so much money for finance and/or to raise faculty salaries by Y percent.' Things of that sort.

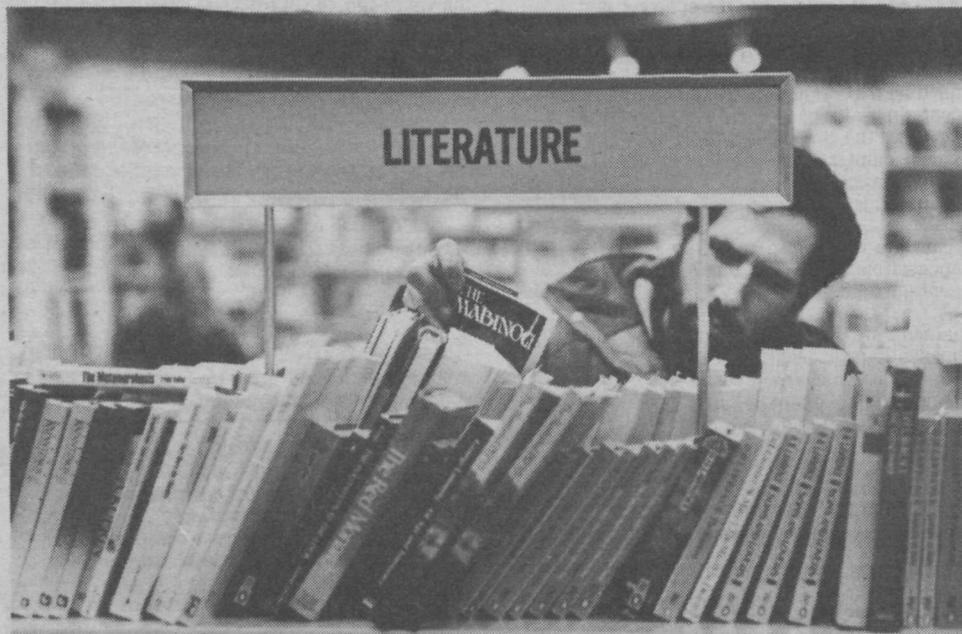
"Are there other questions on this part of the presentation? All right. Let's go on."

"As you know, there are three major administrative units in the University. The statutory colleges come under the State budget; the Medical School comes under its own budget, and, finally, there's the largest element, the endowed campus at Ithaca, which represents 52% of the grand total budget of over half a billion dollars. Within the endowed sector of the University we focus on the general purpose budget. This budget does not include the three schools that are 'responsibility centers' — Hotel, Management and Law — that operate on their own budgets with what are called 'designated funds'.

"Compounding the complexity are the 'restricted' funds that come from outside — monies coming in which are restricted as to use and which also fall outside the general purpose budget. We have 'enterprise' and 'service departments' — these include such activities as the campus store, the shops and other services around the campus — that represent very significant revenues and expenditures, but fall outside the general purpose budget. The same is true of sponsored 'grants and contracts' for research.

"Three colleges and essentially all the central administration and the central services do fall within the general purpose budget. The Colleges are: Arts and Sciences; Architecture, Art and Planning; and Engineering.

"To reiterate, while we must be aware of a mass of detail for the University as a whole and its implications, the Budget Committee focuses mainly on endowed Ithaca, and, in particular, on the 'general purpose' portion of the endowed Ithaca budget — this represents about 25% of the total revenues and expenditures of the University. Nonetheless, policy decisions made in respect to this budget generally apply to all sectors of the endowed campus. Are there any questions?"



In response to a question from Professor Raphael Littauer, Physics, about whether service departments in the University account for an expense or provide income, Professor McAdams replied: "First, the service departments are self supporting. These activities are not a part of the general purpose budget. They do incur expenses, but they also generate revenues from their customers. Both the revenues and expenses are classed as 'designated' funds. What this means is that the service units (e.g., the Dairy Store) provide their services to other parts of the University or to the public for a fee and their expenses and their other costs are covered in that way. Most service departments generate

evaluating whether the University is operating at an economic break-even. We don't just look at the annual operating budget. As we said in our report at the end of last year, we really look at four things. The first is the operating budget itself, and, as you know, that has been kept in balance over these last several years. But equally important for break-even — perhaps more important — is that the educational quality of the institution must be maintained. Less clear might be the fact that we also need to maintain the purchasing power for the endowment. Fourth and finally, we need to maintain the functionality of the physical plant; you can always make your current activities look good by postponing the maintenance of your physical plant and thus postponing large expenditures into the future. If any of these criteria are violated — and the latter two appear to be — then the University would be operating at a true 'economic' deficit."

Professor Richard Booth, City and Regional Planning: "I understand the statutory schools go through a state budget process, but are you saying that the faculty is not involved at all in reviewing, number one, the University budget requests to the State, and, number two, what is done with the money that comes from the State?"

Professor McAdams: "Essentially, yes. One reason is because no one in the University really has much direct say about that, anyway. That's done in Albany. Then, the University is able to modify the proposed outcomes through the good offices of the Provost and the Vice Provosts. But essentially, the State determines those matters. Cornell then does get the State to make some trade-offs at the margin."

Professor Benjamin Nichols' Electrical Engineering: "Does expense recovery include — I think you mentioned housing, dorms, and so on — are they included in this?"

Professor McAdams: "Let me see."

John Lambert, Budget Director: "If I may —"

Professor McAdams: "That's our savior, Mr. Lambert, the Budget Director."

John Lambert: "The short answer is 'no'. Housing and Dining is an enterprise operation. Students pay directly for those services. The payments cover the costs and that activity falls outside the general purpose budget."

"Let me explain the expense recovery item a little bit more. Expense recovery includes four major types of things. First, since the central administration provides services to the statutory colleges as well as to the endowed, they bill the statutory colleges for those services. Then through a mechanism we call 'tuition retainage', the bill is paid — the University just retains an appropriate number of dollars out of the tuition paid by the statutory students."

"Similarly, there are services supplied to the Hotel, Management, and Law Schools by the central administration. Those services are billed and the payment also goes into 'expense recovery'. Then the University effectively bills research contractors for the facilities and other overhead items the University provides for its researchers. Those payments go into expense recovery. Finally, personnel, payroll, accounting and similar services are provided to some of the enterprise operations. These enterprises are billed and payments accrue as part of the expense recovery category."

McAdams: "Thank you, John."

a small surplus or break even. If they cannot operate on a fee basis, their costs are included in 'overhead' and are thus indirectly billed out to those units which make use of them."

Professor Donald F. Sola, Modern Languages and Linguistics: "I wonder if you could identify the category of discretionary funds and the percentage of these funds that we might be free to use — funds not allocated for some specific purpose?"

Professor McAdams: "The portion which is technically unrestricted is the \$143,700,000 in the general purpose budget... and in one sense it's discretionary. On the other hand, there are ongoing activities throughout the University. About 70 to 80 percent of the total expenditures of the University are for people, people already on the payroll. All departments have tenured people. People who work in the central administration expect to be paid each payday, etc. So, there are a lot of formal and informal commitments for these funds. As long as we have the people, then there's not much discretion in making these expenditures."

"New money for new programs, etc. — the item called 'Program Improvement' in the budget documents — make up \$500,000 - \$1,000,000 each year, or less than 1% of the GP total. These are the only funds in the budget that are discretionary. These are the only funds in the budget that are discretionary in the sense that I perceive you to mean."

"To continue, the Budget Committee has identified some problem areas. We have identified the future role of computers on campus and their budget implications for the University as one such area. And we have recognized the importance of the interaction between telecommunications and computers as another. The same is true of the library, telecommunications and computing. All of these areas are being evaluated separately now, but they are likely to merge into a single joint area. They will require increased attention, coordination, and planning in the immediate future."

"Finally, let me share the criteria we use for

"Now, if you have had an opportunity to look at the report of the Budget Committee for 1982-83, you'll see that we have identified a series of potential problem areas.

"One very important trend is the increasing portion of total revenues in the endowed general purpose budget represented by tuition. Budgets are growing over time at a rate faster than general inflation, and tuition is growing even faster than that. That can lead to problems. As student aid is also growing at an increasing rate, we find that the University is beginning to recycle a significant portion of the funds that come in from tuition increases back into student aid. Something will have to be done in this area soon.

"The data we have shows that 'academic compensation' dropped by three points as a percentage of the GP budget in the last several years. Over this period, the size of the faculty has remained roughly constant. We note that staff compensation has been increasing. Another factor that we noted on the revenue side is what's been happening with investment income. Investment income available for the general purpose budget previously accounted for about 13% of the total. Now, it's down to 10%. What that says is that we are able to rely less and less on the earnings from financial reserves. We are relying more and more on the payments by current 'customers' of the University today for the services provided by the University. We also note that the University has been committing its capital more and more to the physical plant rather than committing additional capital to the endowment. That, then, is consistent with having current customers pay for the current resources being made available in the form of new plant and equipment.

"Any other questions? I was expecting probing questions about our \$20 million 'surplus' for this year - what happened to it? - and things of that type. Is anyone interested in that?"

Professor Bernard F. Stanton, Agricultural Economics: "Can we trace through the accounts and see if there is a surplus or a deficit?"

McAdams: "Yes. But we have to do that in the context of all four items: the operating budget, academic excellence, the physical plant and the purchasing power of the endowment. The operating budget has been balanced for the last several years. As to academic excellence, the President recently reported to the FCR on the overall academic status of the University. He cited areas of strength, areas of improvement and areas of decline. As to the physical plant, its functionality probably is not being fully maintained. Next, at current levels of funding, the purchasing power of the endowment improved greatly this past year, but it remains lower than it was several years ago. In 1983 dollars, the endowment is approximately valued at one-half billion dollars. The physical plant, valued at original cost, is 'worth' another half billion dollars. Together these assets are valued at over one billion dollars, a substantial increase over last year. Now, if you look at the 'net from operations' for the year for the total University budget as opposed to the smaller general purpose budget, it looks like Cornell had about a \$21 million surplus from all the operations of the various sectors of the University - endowed, statutory, and medical. But, if you look more carefully, you see that ten and a half million dollars - approximately half of the grand total

40% increase over the then current dollar value of the endowment in one year. Now, that sounds good, but we also looked at the endowment in 'real' terms by deflating it with the Higher Education Price Index (HEPI). Approximately ten years ago, the purchasing power of the endowment was about \$260 million. Last year it was \$152 million in constant dollars. This year it's back up to \$202 million of purchasing power. On this measure, we've had about a 13% recovery in the endowment's purchasing power in a single year, and the endowment is now only \$60 million below what its purchasing power was a little over a decade ago. We're now about even with 1972. The \$60 million is what the University used to cover the deficits in the operating budgets in the early 1970's."

Speaker Martin: "I think we better move along. If we have time at the end of the meeting, perhaps then we can come back to Professor McAdams for more questions."

The Speaker then announced that a quorum was present, and he asked for, and received, approval of the minutes of the September meeting. Next, Speaker Martin introduced a report from the Admissions and Financial Aids Committee, Professor Helen Wardeberg, Chairman, and James Scannell, Dean of Admissions and Financial Aid.

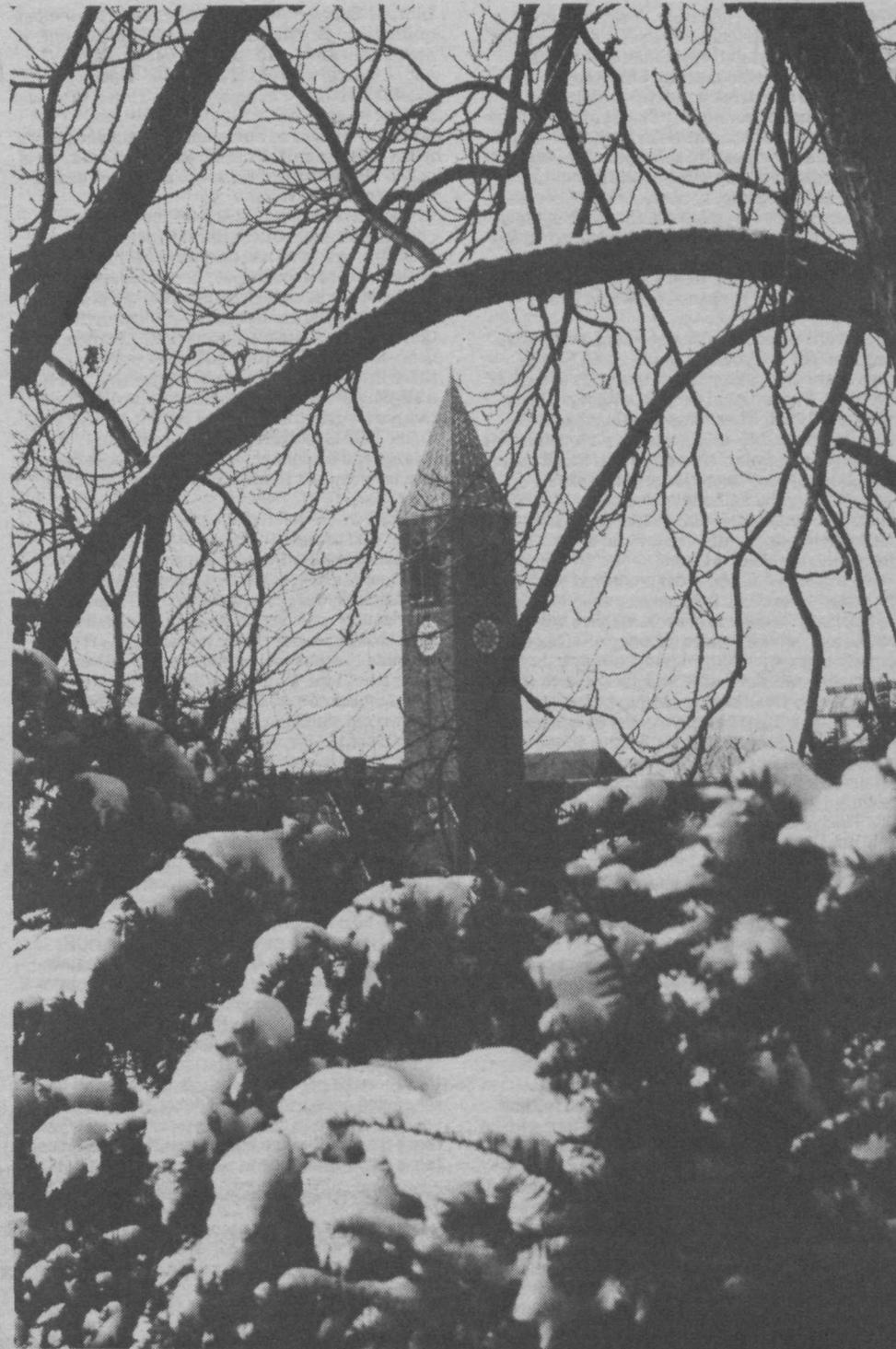
3. REPORT OF ADMISSIONS AND FINANCIAL AIDS COMMITTEE

Wardeberg: "The Committee on Admissions and Financial Aids had existed for a number of years back in the seventies, but in 1978 it was dissolved under the rule that terminates committees which had not met or reported for a year. However, it did seem that the concerns of admissions and financial aid were vital, and it was important to have a University faculty involvement in determining those policies. Hence, this Committee was reestablished last spring by FCR action, and at the election in May, 7 faculty members were elected: Ben Nichols, Electrical Engineering; Vernon Briggs, Industrial and Labor Relations; John DeWire, Physics; Jacques Bereaud, Romance Languages; Stephen Zinder, Microbiology; and Yih-Hsing Pao, Theoretical and Applied Mechanics, who is on sabbatic this fall, and who is being replaced for the moment by Anne Graves, from the Africana Studies and Research Center. Dean Scannell, from Admissions and Financial Aid and Dean Bugliari serve as ex officio members, and we have two students who are appointed by the Student Assembly: Tom Allon, who represents the endowed units and Lynne LeBarron, who represents the statutory units.

"Legislation that defined the role and the charge of this Committee had been adopted by the FCE in 1971. When the Committee was reconstituted, the role and charge still seemed appropriate.

"The FCR reaffirmed the established roles of the faculties of the individual colleges and schools of the University in admitting students and awarding financial aid. The FCR also recognized that certain aspects of admissions and financial aid are of concern to more than one college, school or program and may have basic effects upon the educational policies and the total educational character of the University. Hence, the faculty has a basic concern and responsibility for policies affecting both admissions and financial aid.

"Our Committee has three charges. We are to



be in place by November of the current year. At this point, the budgets are set, the publications are in order, people are recruiting for next year's class.

"We consider ourselves a faculty committee. We are not a management or an operations group; while we may give Mr. Scannell advice, he need not implement it. Essentially, any substantive policy recommendations will be made to this body. We see ourselves as a sounding board for policy issues. Some of the things that we have looked at so far - and we are only looking, and haven't identified any recommendations yet - are such things as the attractiveness rating system which is currently in operation; the tuition/student aid ratio that showed up on the budget projections; the question of access of promising students from varying income families; faculty involvement in recruitment; the relation of admissions policy and financial aid practice to the retention of students and to the ultimate graduation of those students who are admitted. We represent the faculty. If you have concerns, we would be most pleased to have you contact any of us. You can leave communications in Dean Bugliari's office, you can send them to me, you can leave them with Dean Scannell. You can call any of us, write us notes. We need to know what are at least perceived as problems, concerns, issues relating to admissions and financial aid.

"Dean Scannell will now present some general information, the results of the admission procedures over time, and will raise some of the other issues of concern to the Committee."

Dean Scannell: "I'd like to begin by introducing Milford Greene, Associate Dean of Admissions and Financial Aid. Dr. Greene is in his first full academic year at Cornell having joined us last January from Morehouse Medical College. One of his primary responsibilities is the recruitment, retention, and financial aid policies for minority students.

Scannell continued: "Let us look first at the numbers of students graduating by region from public high schools nationally. This does not include private high school graduates. If we look specifically at the states of New Jersey, Connecticut, New York, Massachusetts and Pennsylvania, where more than two-thirds of our applicants come from, we see there's no real change. All the news is bad in the northeastern states, having to do with a gradually declining population. We're in the middle of the precipitous decline. Focusing even more directly on New York State - using figures and projections from 1979 to 1989 - we see a decline in public high school graduates from 210,000 to fewer than 150,000. The only possible influence on this would be in-or-out migration. The news there for the northeast is also bad. It's a net outmigration in the northeast. However, the rest of the country will not necessarily experience the same thing. It will, in fact, mean a net recovery in Colorado, and, if we look at Texas, we'd see a net increase by the end of this decade.

"Finally, coming home, what has been our experience at Cornell? We've seen an increase in freshmen applications between 1970 and 1983 - a very dramatic increase - in the endowed applications. Statutory applications appear constant with a little bit of an increase last year. We had over 18,000 freshman applications, and remember, we are now in the decline, right in the middle of the mid-eighties. That means we are getting a bigger piece of the pie as it exists, particularly in the northeast. Our gains have been nationwide, but they are particularly strong in the northeast part of the country. So that is a very quick picture having to do with demographics.

"Now I'm going to talk about quality." (Profile for the Class of 1987 attached as Appendix A.)

"If you look at the percent of New York State high school seniors who scored above 550 on the standardized verbal portion of the SATs from

"One very important trend is the... total revenues in the endowed general purpose budget represented by tuition."

- was one lump-sum grant, which was then transferred to 'plant funds' to pay in part for the geology building.

"The next surplus item is \$7.2 million from the Medical School' but these are 'designated' funds that represent a surplus from the faculty's medical practice at the Medical School. So, now we've accounted for almost 18 million of this apparent \$21 million surplus. Then there were a series of transfers to capital accounts for construction and renovation that are under way - in the amount of a million here, another million here, and a million there - most of which is in the statutory colleges. When you get all done, the money available to the general purpose budget as spendable surplus for the year was only the \$516,000 mentioned earlier.

"Let's look next at the endowment. In our report for 1982-83 we made the general statement that the fiscal situation of the University appeared to be getting better, especially for two reasons: (1) the stock market recovered, (2) inflation went down. An important result was a

recommend to the FCR policies and procedures for the admission of students, we are to recommend policies and procedures concerning the allocation of general funds for financial assistance to students, and we are to report, at least on a yearly basis, on our recommendations concerning admissions and financial aid.

"Our Committee met in the summer; it is now meeting at least once each month during the year. Dean Scannell has provided us with a volume of materials - much good background information about recruitment, financial aid, long-range planning, the number of applicants, the matriculants, the operation of the office, the publications. All of us are finding we have much to learn and a lot to think about. Admissions and financial aid strategy and procedures for the class that will be entering in 1984-85 is in place now, so that while our Committee can review those things, any recommendations that we now make can at best be applied in the year 1985-86. That is, recommendations for policy changes to be made for the next academic year really have

1974 to 1982 we see - and New York State gives us about half our applicants - we see a decline from 20.6% in 1974 to slightly less than 15% in 1982. That is students who take the SAT who score above 550. We restrict ourselves to that population because of our quality standards. So, we're not looking at the population as a whole, we're looking at a very specific subpopulation, and that subpopulation is decreasing as the population as a whole is decreasing. In absolute numbers we've gone from 26,000 test takers in the State of New York scoring above 550 in 1972 to just over 22,000 in 1982. (Question) Yes, Sir."

Associate Professor Henry H. Hagedorn, Entomology: "What happened between '74 and '75?"

Scannell: "I don't have a good answer to that question. The decline nationally on SATs was much more dramatic in the late sixties and early seventies. The national decline, although, continued until 1981. There was a national decline every year until '81, then there was a levelling off - actually an upswing. The slope was much more even. Beyond that, there is considerable speculation as to why the SATs have declined - in terms of what they measure - things like television, merit scholarships, etc. That would be an afternoon's seminar, at least.

"This does not capture the point that you're interested in because the space on the vertical is not dramatic enough to show that there was a decline and actually we're showing a flat line and actually there was still a decline through these years in the late seventies, though not as dramatic as up here. Okay, this is national. The point of this is to show what has been going on in a very brush stroke sense at Cornell. That is to say that we have maintained over a period of some national decline a relatively constant quality as measured by standardized tests from 1973 to 1983. That is to say, a verbal score of around 600, slightly below; a math score of around the 650 mark.

"Let me turn now to a comparison of projected need versus financial aid among only undergraduates. Student need, which is what we're going to be measuring ourselves against, is defined as cost of education minus total family contribution. Family contribution is comprised of parental contribution, student summer savings and student assets and benefits.

"Starting with student need, we see a growth. If we look only at undergraduates, student need has risen from 20 million to over 40 million in 1983-84, and it is projected to be above 40 million in 1984-85. If we look at resources, starting with federal and state aid at about 7 million in 1977-78 increasing through 1981 and then levelling off, and now a flat constant since 1982-83, as a result of re-ordering of priorities nationally, we find this clearly isn't keeping pace with student need.

"Cornell and outside aid started at about 9 million in 1977-78, dropped in 1979, mainly as a result of the federal contribution increasing. This is not just a Cornell phenomenon, but a national phenomenon, and since then Cornell contributions and outside aid have been increasing rather steadily up to about 12 million.

"When you combine the two resources, you see that through the late seventies and the first year of 1980, these lines were roughly parallel - the need and the resource line. Since that time the need line has continued to escalate, the resource line has flattened out, and as a result, our undergraduate students have become more and more dependent in a multiplier kind of a way on filling this gap with borrowing. If you were a student at Cornell, had a need to borrow, and graduated in 1980, you probably left with about \$4,000 indebtedness. By 1986, those students who are presently sophomores, will probably graduate with about \$12,000 indebtedness. A tripling of indebtedness, and this is the area that is of concern to us. Something has to give. I'd like to clarify and further explain the statement that Professor Wardeberg made - the admissions policies and strategies are clearly in place at least a year in advance because you are always recruiting the class that will enroll a year hence. There is opportunity to develop and fine tune some financial aid strategies this fall for next year."

Speaker Martin: "All right. Thank you. We'll have to hurry up and give the other two committees an opportunity." He called on Professor Barry Adams, English, Chairman of the Library Board, and University Librarian, Louis Martin.

4. REPORT FROM THE LIBRARY BOARD
Professor Adams: "The Librarian and I agreed that I should lead off and focus on the Board rather than the Library, not because it is more important - we agree it is not - but because it is less well known. I'll try to keep myself to 10-15 minutes by cheating on the transitions, and then turn things over to Mr. Martin to say something about one special problem - not a new one, but an important one and one that I think is particularly relevant to the FCR and the faculty at large.

"We are officially the University Faculty

Library Board. I like to think of the first element of that title as a modifier with multiple squint: it applies not simply to 'Board', but to 'Faculty' and 'Library' as well. It applies to 'Faculty' insofar as our membership is restricted to no one college or unit within the University, and to 'Library' insofar as our special object of concern is not any one unit in the system or any cluster of units - Olin or Olin/Uris or the endowed libraries - but the entire system.

"We have informal ties with the various college and department library faculties that now exist. At the moment, there are 11 of these that I know about. Routinely, we send copies of the agendas and minutes of our Board meetings to the chairpersons of these committees and invite them to attend our meetings as non-voting participants, but other than that, there is no official or formal connection. We have a slightly more formal relationship with a relatively new group called the Library Advisory Council. This is made up of approximately 20 friends and alumni of the University who have special interests in matters relating to the library.

"We are a board rather than a committee. Those who profess to know about these things tell me that this signifies appointment rather than election. We are, in fact, appointed by the president on the recommendation of the Dean of the Faculty for four-year terms. Nevertheless, even though we are called a board and are appointed rather than elected, we have very clear ties to the FCR. In fact, in 1974 the FCR formally acknowledged our existence and described our duties and responsibilities, as well as other things. Although we are a board, we are not a governing board. Nor are we a board of trustees or an executive board. We are an advisory board, pure and simple.

"The key activities enumerated in the FCR charge that I have referred to are reviewing, advising, and assisting - all of these activities under the general rubric of representing the faculty's interests in library policies and operations.

"There are two more items from the FCR legislation that may be of interest. The legislation specifies that there be 12 faculty members, 2 students, and 3 ex officio members. Those ex officio members are the Provost, the Vice President for Research, and the University Librarian. The FCR legislation also specifies that there be regular meetings, which shall be scheduled once each month during the academic year. We have in fact been meeting somewhat more frequently than once a month, so I suppose those extra meetings must count as irregular.

"Our special object of concern is not any one unit in the system or any cluster of units...but the entire system."

"What I would like to do now is pass in review a few notions about the Board that seem to have some currency in the Cornell community. These include perceptions of what the current Board is or has become in recent years, as well as conceptions, or perhaps preconceptions, of what a body like ours ought to be (or not to be). These statements have been heavily edited for pungency.

Number 1) The Board is window dressing, also known as show-and-tell. That is, it is, or ought to be, comparatively passive, remote, symbolic. I understand that such groups exist at other universities, but this attitude has not found favor at Cornell, at least where the library is concerned. The Board (at least in my experience, which goes back now 5 years) prefers to think of itself as much more actively engaged in University library problems and policies.

Number 2) The Board wants to run the show - and not just the show-and-tell, either. My response to that is 'not so'. The less passive form of involvement that I have referred to has the potential danger of leading to unhelpful meddling in operational affairs, and this is something to be avoided. But in my experience, this has not been a very grave danger.

Number 3) The Board is a sounding board. Yes, of course. This is a useful function that we are happy to perform and have performed. We resonate for the benefit of the Administration on occasion, though more ordinarily for the Librarian.

Number 4) The Board is a watchdog and a gadfly. I am somewhat reluctant to endorse that without qualification, and if I may, I think I will steal Professor McAdams' phrase - 'devil's advocate'.

Number 5) The Board is a protective shield: It exists to take some of the heat and the flack directed at the Librarian for unpopular decisions. I have to quarrel with that provided it is understood that this is not our sole function, and



not our most important one. But when the Board is consulted and its views are listened to, as they were, for example, recently in the matter of imposing a borrower's fee in the endowed libraries, we should be prepared to be used in this fashion.

Number 6) The Board is space crazy. There is some truth to this, too. The crowded conditions in many parts of the library system are all too apparent, and it seems, on paper at least, that the Board should be able to serve a useful function in helping to set priorities for alleviating these conditions. But thus far we have by and large been unable to begin what I would call constructive worrying on this question. It may be that the library system and the University both are just too diversified and too decentralized for the board to be useful in this area.

Number 7) The Board is a benighted Luddite with its collective head in the medieval sand. To which I respond, not so. The Board did oppose joining the Research Libraries Group four years ago but our objections to RLG were not based on antipathy to modern technology or to the idea of cooperative networks of libraries, both of which seem to us all quite essential, but rather to

timing and strategy. We had doubts about the RLG itself and about the University's manner of funding this new and very expensive commitment. Some of these concerns have been met, at least in part, but enough of them remain to justify the Board's continuing interest, which has been expressed repeatedly in the last couple of years, particularly last year when we interviewed the former interim president of the RLG to try to get an insider's view of where this organization was going and where Cornell would fit within its developing plans.

Number 8) The Board is an advocate of the library. Naturally. This almost goes without saying. It falls, I take it, under the heading of our charge from the FCR to assist the librarian. In that respect, we are not impartial, are not disinterested, and we are certainly not indifferent.

Number 9) The Board should be Solomon: it should decide on allocating resources among the various library units or the various academic disciplines. This would be, in my judgment, a major departure from our present mode of operation, and it lies well beyond even the most liberal interpretation of our charge. Even if one could think of playing Solomon in the recommendatory mode (whatever that would be), even that would be moving into unfamiliar territory. Nevertheless, having hinted at what I think of as serious problems in going that route, I would like to say that I don't think it is a conception to be dismissed out of hand; it is something I would like to bring up before the Board at some later time this year.

"My last item is designed to lead into Lou Martin's statement: the Board should help to promote more rational coordination of academic programs and library resources. Yes, of course, at least in principle. This is an aspect of our function of representing the library, not to the administration now, but to the faculty. It is something that we have been doing but only in a

casual, unsystematic way."

Louis Martin, University Librarian: "Thanks, Barry. I think I've got about 2 1/2 minutes, Mr. Speaker, so I'll try to be concise - an almost impossible task for me, but we'll give it a whack.

"The Cornell library system is a rather unique system. All the forces are centrifugal, but it somehow manages to operate as a system, both on the endowed and statutory sides.

"A comment or two about history. Back in the late forties and early fifties, a very strong group of librarians was bent upon building a University library system that would be 'world class', the phrase of the former Director of Libraries, Stephen McCarthy, and the great bookman who helped build the present collections, Felix Reichmann. We now face the task of maintaining that worldclass status, at a time when the University administration has said that we can't do business as usual; that major university research libraries are going to have to come up with a plan of operation that somehow speaks to the question of limited financial resources; and that the growth of the fifties and sixties was a phenomenon not to be repeated. The President has asked the University Librarian to give him a game plan within a couple of months that will tell us how to maintain our scholarly resources, our contribution to research, not only here at Cornell, but elsewhere. That is no small task.

"The problem that Chairman Adams refers to is that the library is largely a reactive mechanism throughout the University system. We generally don't sit at the council tables at which program decisions are made. At Cornell, as you well know - probably better than I - program decisions are not made at the level of the provost, often not even at the level of the dean, but rather they are made at the department level, or the center level. The library costs related to those program decisions are then passed on - not to the decision makers - but at least on the endowed side, to a central funding authority. This makes great demands on the unrestricted general purpose budget that Professor McAdams was talking about. That is an intolerable situation in a library system as diverse and as decentralized as Cornell's endowed libraries are. I speak of the endowed libraries because on the statutory side the ecologists must pay the piper for the program decisions because they pay the bill for their libraries the reference is under. What I will be attempting to do with the help of the Board - we still don't quite know how to do it, as Chairman Adams pointed out - is to try to work the library into the planning mechanisms at the various faculty levels, whether they be the department, the center, or the school, to let people know that these program decisions have serious consequences for the library, and unless some thought is given at the time of program initiation, the library is not going to be able to maintain the support of these programs as it has in the past.

"There has been a good deal of concern about what is perceived as the diminishing excellence of the Cornell libraries over the last ten to twelve years. I would take issue with that perception. I really think the library services throughout the system are probably better than they were ten years ago. There's no doubt that some of the collections have suffered, especially over the last five or six years. What is clear from my chair is that unless we have some effective planning mechanism - not ironclad, it can't be in a university as diverse as this - but a mechanism that recognizes that faculty decisions' whether they be about peace studies, Japanese studies,

the Biotechnology Institute or what have you, library costs are going to be there, and the University has to have some means of coming to grips with understanding that before the library is put into the position of having to say 'no' We will be making every effort through my office, through Chairman Adams' office, to meet with faculty through the coming eighteen months to two years to get your thoughts on how the library can meet that need, on how we can look forward rather than backward, and on how we can maintain what is an unusually fine library system — certainly one of the best in this country. The difficulty will be to maintain it in its service to scholarship."

Speaker Martin: "We are on schedule. Thank You." He then called on Associate Professor George Scheele, Chemical Engineering, Chairman of the Research Policies Committee, and Robert Barker, Vice President for Research and Advanced Studies.

5. REPORT FROM RESEARCH POLICIES COMMITTEE

George Scheele: "What I'd like to do in the few remaining minutes is to discuss briefly some of the matters that the Research Policies Committee is currently considering. I think that will give you a bit of the flavor for the activities that we undertake. Many of these matters are in rather preliminary stages, and so the information I give out may not be extensive. Vice President Barker is here and may wish to expand a bit on the remarks that I'm going to make, and we'll both be happy to try to respond to any questions that you might have. If any of these matters is of particular interest or concern to you, we'd be happy - delighted - to hear from you and to have your input."

"I should tell you who the members of our Committee are: Joanne Fortune, Veterinary Physiology; Jack Blakely, Materials Science and Engineering; George Hay, Law and Economics; myself; Wes Gunkel, Agricultural Engineering; Peter Gierasch, Astronomy; and Betty Lewis, Human Ecology. We also have as ex officio members, the Vice President for Research, Bob Barker, and the Dean of the Faculty. One thing that is important to mention is that we've been very fortunate in the relationships that our Committee has had with the Vice Presidents for Research - last year, Don Cooke, this year, Bob Barker. They have done an excellent job of keeping us informed about what is going on in the administration. We certainly listen to them, but we have found that they also listen to us and consider our advice seriously."

"I'll talk about four matters that are now before us. The first, which many of you may be familiar with, is the proposed Theory and Engineering Simulation Science Center. This is an activity that ultimately may involve as many as 500 researchers and graduate students on the campus, so its impact on Cornell is likely to be large. We have briefly reviewed two preliminary proposals that have been brought to our Committee. The Center envisions not only bringing a large number of researchers together, but also developing a network for computing and developing large scale computing facilities that have a power that's 100 to 1000 times greater than that of existing super computers. A recent letter to faculty in Engineering and Science from Phil Holmes and Ken Wilson informed many of our colleagues about the nature of this proposed facility. It envisions support from the Govern-

ment; it also envisions — much like the Biotechnology Center — industrial involvement in the programs. There's a steering committee of about 20 people currently involved in developing the proposal and making preliminary contacts. Both our Committee and the Committee on Academic Programs and Policies, which ultimately must review and recommend to the FCR action on proposed centers, have requested a meeting with Bob Barker and members of the steering committee to discuss the Center in more detail before a formal proposal is developed. Faculty members on both committees have indicated concern about the impact that this operation may have. In the first draft that we saw, a figure of 90 to 100 million dollars was mentioned to support the activities."

"A second area in which we're involved is the question of research overhead or indirect cost recovery, which is, of course, of particular interest to research investigators. Last spring, largely in response to the dramatic increase in the overhead rate, some faculty asked our Committee to look into this question. It's a complex one. It's not clear that it's very well understood by anyone - faculty or administration - but there are people who know how to do the calculations given the formulas. It's an overwhelming task for our Committee, and so we are relying on others for help. Much of that assistance will come from the Research Council established by Vice President Barker to advise him. Our Committee is represented on that Research Council. Their first task has been to start looking at the costs associated with re-

"The Center envisions not only bringing a large number of researchers together ...developing a network for computing."

search. Then, after gathering that information, they hope to develop a rational model for recovering these costs and to compare that model with what's presently being done. One of the things that really isn't known is, are the costs of research being recovered adequately? Are the costs recovered subsidizing other parts of the University or not? And so, depending upon the results of that study, one could imagine some major changes ahead for the University. This is a matter that affects not only the principal investigators, who, of course, want to keep the overhead costs down, but also the administration, which some people feel, want to keep them high to generate income. I think there's a proper balance there, but it's a very difficult question to look at. I should also mention that there are other people on campus interested in looking at this problem. The Science, Technology and Society Program has indicated some interest in this area, and the University Assembly also has some interest in aspects of the problem."

"The first two topics I have discussed affect not only the research community but also other parts of the University, at least indirectly. In talking with Bob Barker this morning, he told me that he's trying to improve the interface between the humanists and his office and has been meeting with the Dean of the College of Arts and Sciences to discuss ways of accomplishing this. He may want to say more about that. While our

Committee is concerned specifically with research policies, we certainly also are aware of and think about the impact these can have on other parts of the University operation."

"Another matter that we're concerned with is conflict of interest guidelines. This has occupied the Committee's attention for the past two years. Discussions last year with Vice President Cooke focused primarily on University/industry relationships. One question considered was, should the University enter into commercial development of research that has been carried on by faculty, as has been done at some universities? Another was, is it appropriate for faculty members to serve on corporate boards of directors? In March of last year, Don Cooke presented a draft entitled, 'Guidelines for Assessing Conflicts of Interest and Commitment in Arrangements with Corporations.' Drawing on that statement and similar statements at other universities, including Yale and Harvard, the University Counsel's office this summer drew up expanded conflict of interest guidelines, which included broader considerations than just university/industry relationships. The guidelines considered financial conflicts and also conflicts of commitment, where one was too heavily involved in other matters to serve the University properly. Attempts were made in that document to determine acceptable, questionable, and unacceptable conflicts of interest. The Vice President has been reviewing the guidelines and hopes to have a document for consideration by our Committee in the near future."

"An even broader issue is the last one I'll

mention, and that's the question of integrity in research and scholarship. This is a problem that's receiving attention in a lot of places at the moment. The General Committee is looking into aspects related to graduate students, the University Computing Board is considering aspects related to computer programs, and we are emphasizing the responsibility of the faculty members. Again, there is an interim policy on integrity in University research drafted by the University Counsel's office this past summer. That policy has been considered briefly by our Committee, which feels that there is an overemphasis on procedures and a lack of emphasis on identifying and trying to minimize the causes and occurrences of academic fraud. This is a subject that is going to be receiving serious attention during the coming year."

"These are the major issues I wanted to discuss with you. Some of them may be of interest to you, and we'd be delighted to have your input."

Professor Lynn: "George, I'm just curious. At who's initiative did the Counsel's office undertake to write either a conflict of interest statement or - what was the other one integrity?"

Professor Scheele: "I really don't know the answer to that one. All I know is that I've seen drafts of both. It was not at the instigation of our Committee."

Dean Bugliari: "It wasn't at the instigation of my office, either. I think he had someone who was an intern this summer who was here and interested in that topic, and, therefore, did it. I don't believe that it was done in any other way."

Professor Scheele: "But it has stimulated some thinking, and there certainly is concern on the part of the administration that we should have a policy in place in case it's needed. In other words, rather than reacting to an event that's already occurred, it would be nice if we had thought about it in advance."

Robert Barker: "I spent a few hours, Walter, on the weekend editing it, and my first move with it after it's retyped is to give it to the Research Policies Committee because I really think that there's enough of a start there for that Committee to take hold of it and perhaps come back here with recommendations. I don't know where it came from."

"I would like to say just a couple of things. One is that the proposal about the Theory Center - I've been involved with that since I came into my new job in July, and my intent is to try to get in front of the faculty a clear statement of what is being proposed. By saying that, I don't think that it was unclear, but it is a very large thing, both conceptually and in terms of its implications, and until we can get a clearer statement there, it would not have been productive for anyone to really put in front of the faculty. George, I think, correctly identifies that we're reaching a point where the thinking of the various people who began that is to a point where the ideas can be laid forward rather clearly, and it's absolutely certain that it will come to this body as part of the process, and I hope that it might be passed in front of this group as early as the beginning of January the sooner the better. I don't want, if we're going to do something significant about it, I would prefer it in December rather than January, but that may be a little over ambitious in terms of time."

"One further thing, I have been discussing with Dean Seznec how to try to structure and make an effective relationship between my office and the humanities. There clearly is a lack of contact there, and I want to try to find out if we can do something to significantly improve that. Those of you who are in those fields might not yourselves be involved in discussions during the next several weeks, but some of your representatives will be, particularly those who represent the graduate students in that area."

Speaker Martin: "We have time for one more question. Yes."

Professor Antonie Blackler, Genetics and Development: "I want to ask a question of Professor Scheele. Could you tell me how many times in the last year this Research Policies Committee has met? What kind of frequency?"

Professor Scheele: "Last year I would guess we met about four times. I'm not positive of that, and in fact, a major accomplishment of the Committee was probably planning the dinner for Vice President Cooke's stepping down. I just mention that in passing with no comment. But this promises to be a good year for us. Certainly, if nothing else, the Theory and Simulation Center is going to be a paramount of activity."

Speaker Martin: "All right. Our thanks to all the participants. We are adjourned."

Meeting adjourned: 5:59 p.m.

Respectfully submitted,
Fran Herman, Secretary

The Week in Sports

From Gymnastics to Basketball, a Busy Saturday Is in Store

A busy Saturday of action is in store for Cornell sports fans, as five events will take place on campus that day. It begins with a women's gymnastics meet at noon and wraps up with a men's basketball game that evening. Overall, there are 10 contests at home during the weekend.

On Friday, the women's ice hockey and polo teams both have events at 7:30 p.m.; the hockey team entertains Potsdam State at Lynah Rink, while the polo team faces Virginia at the Oxley Arena. The other contests at home that evening have the men's basketball team playing Dartmouth at 8 p.m. in Barton Hall and the women's swimming team entertaining Brown at 7 p.m. in Teagle.

On Saturday, the women's gymnastics team has a meet with Massachusetts at noon in Teagle Hall, while the wrestling team competes against Brown and Ithaca College, also in Teagle at 3 p.m.; the men's swimming team will take on Brown in a 1 p.m. start at the Teagle Pool. That evening,

the men's basketball team tangles with Harvard at 8 p.m. and the men's polo team plays Virginia at 8:15.

The men's hockey team and the women's basketball squad will both be on the road this weekend. The hockey team is at RPI on Friday and Vermont on Saturday, while the women's basketball team travels to Dartmouth and Harvard on Friday and Sunday, respectively. The men's and women's fencing teams are in New York to square off against Columbia on Saturday, while the men's gymnastics team is at Syracuse. On Sunday, the men's and women's track teams have a dual meet with Syracuse and the women's hockey team goes to Yale.

The Big Red men's basketball team will take a seven-game winning streak at home into the two games this weekend, following last Saturday's 49-48 win against Columbia in Barton Hall. The win raised the team's record to 8-7 overall and 2-2 in the Ivy League.

The women's gymnastics team is in the midst of a stretch in which it has five meets in a 13-day period, and Saturday's meet with Massachusetts is the team's only action at home during this interval. Massachusetts was one of the top six schools in the East a year ago and has all of its top performers back from last season.

The Big Red wrestling team will be looking to improve its Ivy League record to 3-0 as it takes on Brown and Ithaca College. This past weekend, the wrestlers began league competition by defeating Princeton on Friday (22-19) and Pennsylvania Saturday (36-6). The Red also knocked off Franklin & Marshall during the weekend, 24-15, to up its overall record to 5-1.

The men's and women's swimming teams both have a tough task at hand on Saturday when they go up against Brown. It's a big meet for the men, which is enjoying its finest season in quite some time. The male swimmers are now 6-1 overall and 4-1 in the Eastern In-

tercollegiate Swimming League after they defeated Yale last Saturday, 69-43.

The women swimmers fell to 3-5 overall with a 72-68 loss to Yale Saturday, but the Big Red continues to show great improvement over last season. In 1982-83, Cornell lost to the Elis, 91-48. Two school records were set on Saturday, as Ursula Kurman swam a 1:57.09 in the 200 free and Debbie Sloan recorded a 2:29.35 clocking in the 200 breaststroke.

The women's hockey team will be looking to break a three-game losing streak when it takes on Potsdam State on Friday. The Big Red lost two Ivy League contests at home this past weekend, falling to Yale on Friday (3-2) and Brown Saturday (7-1).

The men's polo team will take a nine-game winning streak into Saturday's match with Virginia, as the squad defeated Skidmore this past weekend, 9-6. Juan Carlos Bueno and Jonothon Mork each had three goals for the team, now 9-10 on the season.

Brief Reports

Series to be Sponsored By CURW and CRESA

Cornell United Religious Work and the Center for Religion, Ethics and Social Policy are sponsoring a weekly series of open discussions on current issues.

The series will begin at 4 p.m. today in the Commons Coffeehouse of Anabel Taylor Hall and will continue on Thursday afternoons for the rest of the semester.

The issue to be discussed today will be "Computers and Human Freedom" with Gordon Galloway, director of academic computing, and Thomas Everhart, dean of the College of Engineering.

The format of each session will include brief background statements on the main topic by discussion leaders followed by conversation with the audience, according to Ingrid Olsen-Tjensvold, assistant director of CURW.

Olsen-Tjensvold describes the forum as a "slightly less chaotic version of London's Hyde Park Corner." Other topics to be discussed at future forums will be the presidential primary elections, the death penalty, United States policies in Latin America, and whether we are living in the "last days."

The series is free and open to all members of the Cornell community.

Black Architects' Work on Display

The College of Architecture, Art and Planning is featuring an exhibit of the work of black architects in celebration of "Black History Month" during the week of Feb. 6 in the Hartell Gallery, Sibley Hall.

The exhibit is a collection of works from members of the National Association of Minority Architects and includes work from architects throughout the United States. Several of them have received recognition from the American Institute of Architects.

Billiards Championship Matches on Saturday

The 1984 Cornell/Association of College Unions-International Billiards Tournament will be held this Saturday at the Willard Straight Hall Gameroom.

This tournament is one of more than 200 local contests being held on college campuses across the nation in the first round of the ACU-I National Intercollegiate Billiards Championship. Men's and women's winners of the local competitions will qualify for one of 15 regional tour-

naments in the second round of competition.

The Cornell champions will play in the Region 2 tournament which will be held Feb. 12 and 13 at Erie Community College in Buffalo. Winners of the regional competitions will advance to the national championship at the University of Florida at Gainesville.

Any full-time student wishing to play in the Cornell tournament may register by 10 p.m. today in the Willard Straight Hall Gameroom. The top three men's finishers and the top women's finisher will advance to the regional competition. Registration is unlimited, but there is a nominal entrance fee to cover national tournament fees.

Suburban Wildlife Internships Offered

The Seatuck Research Program of the Cornell Laboratory of Ornithology is accepting applications through March 15 for several internships in suburban wildlife management on Long Island.

The emphasis of the 10-week positions, which begin May 13, June 3 and Aug. 19, is on avian and habitat ecology. The May position requires ability to census northeastern songbirds by sight and sound. The August position requires experience with bird banding. Interns will be involved in a variety of projects including small mammal censusing, vegetation surveys and monitoring of colonial waterbird populations.

Housing and a \$50 a week stipend are provided, and Cornell Summer Work/Study aid is available to qualified candidates. Resume listing three references should be sent to David Peterson, Seatuck Research Program, Cornell Laboratory of Ornithology, Box 31, Islip, N.Y. 11751.

Women's Studies Seeks Faculty Nominees

The Women's Studies Program is seeking nominations and self-nominations of Cornell faculty to serve on its Executive Board, effective July 1.

Faculty who wish to nominate themselves or others should contact the Women's Studies Program, 332 Uris Hall, 256-6480, for details. Nominations will be open until Feb. 17.

Nominations for students, staff and Ithaca area residents to serve on the board will be solicited in March.

Women's Studies, a permanent program in the College of Arts and Sciences, aims to encourage the development of teaching and

scholarship about women and men. Policy is set by the executive board, composed of members of the Cornell and Ithaca communities, who have an interest in women's studies.



▼ Deborah Lader ▼

Mountaineering, Backpack Courses to Be Offered

Faculty, staff and graduate students are eligible to take the "Basic Mountaineering" and "Backpacking the Finger Lakes Area," courses offered by the Department of Physical Education as part of its Wilderness Program.

Some classes begin next week and others will begin in mid-March. They will continue throughout the semester. Various fees will be charged covering transportation and technical equipment. Registration forms and additional information are available at the Physical Education Office in Teagle Hall, telephone 256-4286.

The courses are under the direction of David Moriah, who has had extensive experience with Outward Bound, an interna-

SAGE CHAPEL

Johnson Will Speak At Convocation

The Rev. Robert L. Johnson, director of Cornell United Religious Work, will speak at the Sage Chapel Service at 11 a.m. Sunday, Feb. 5. His sermon topic will be "Waiting."

Johnson is a 1952 graduate of the University of North Carolina at Chapel Hill and was ordained in 1954 in the United Methodist Church. He received his master of divinity degree from Union Theological Seminary in 1955 and a master of theology from Harvard Divinity School in 1968.

Johnson served for 18 years as director of the Wesley Foundation at Chapel Hill. He has also served with the National Institute for Campus Ministries in several capacities including president from 1980 to 1983. He is the author of "Counter Culture and the Vision of God."

Music for the service will be provided by the Sage Chapel Choir under the direction of Donald R.M. Paterson, university organist and choirmaster. Stephen May, DMA, serves as assistant conductor and accompanist.

tional wilderness education program.

"Basic Mountaineering" starts with knots and builds to actual rockclimbing and rappelling in local state parks. Students choose one afternoon per week: (Monday, Tuesday or Wednesday) from 1:40 to 5 p.m. A \$70 fee includes all transportation and technical equipment. This course begins next week.

In "Backpacking the Finger Lakes Area," a few preparation sessions lead to a full weekend hiking and camping with a small group and two instructors. The \$45 fee includes all food, transportation and group equipment. Enrollment is now but sessions won't begin until mid-March.

The fees cited apply to all registered students and those faculty and staff who have purchased a Physical Education privilege card. Others must pay an additional \$25 enrollment fee.

Blood Drive Planned For Feb. 14 and Feb 15.

The Tompkins County Red Cross will hold a blood drive at Barton Hall from 10 a.m. to 4:45 p.m. Tuesday, Feb. 14, and Wednesday, Feb. 15, under the sponsorship of the Cornell Army ROTC unit.

Appointments may be made by calling 273-1900. Walk-ins are encouraged.

Campus Has 'Epidemic of Flu-Like Illness'

Returning Students Bring Cross-Country Crop of Viruses

Students returning from winter break have brought back a cross-country crop of viruses, and the result is an "epidemic of flu-like respiratory illness," according to Dr. Allyn B. Ley, director of the Gannett Health Center.

The health center is recording 200 to 300 student visits a day, most with the same symptoms: fever, malaise, headache, muscle ache, coughing and pain in the area of the breastbone, particularly when coughing, minor sore throat and temperatures in the range of 102 to 104 degrees, the center's director reported. For the majority, the illness lasts about three days, after which they feel "punk" for a few days and then the worst is over, Dr. Ley said.

"The illness is highly contagious and those who catch it would do their colleagues a favor by staying out of circulation for a day or two," the center director advised. "Faculty members should appreciate that there is a lot of influenza going around and absenteeism is likely to be greater than normal."

The post-intersession increase in flu is not unexpected, although few cases were reported in 1983 and 1982. Because the epidemic is taxing the Gannett Health Center's staff and facilities to capacity, Dr. Ley requested that only those with the most severe, continuing symptoms seek treatment at the center.

For those experiencing early symptoms of the flu, the center offers this "influenza alert" information:

—Treatment of influenza with antibiotics is not effective, since this illness is caused by a virus. The best remedies for the flu are those that relieve the symptoms and help the body fight the infection.

—Aspirin (or an aspirin substitute) taken two tablets every four hours will help relieve the general aches and discomfort in muscles, headache, sore throat, and will help reduce the fever.

—Although it may often be difficult to arrange, bed rest for at least the first day or so of illness gives a person

a better chance to fight off the flu and avoid complications caused by secondary bacterial infections.

—The fever that accompanies the flu can cause the body to use more fluid than usual. As a result, dehydration can occur, which in turn increases fever. To avoid this drink at least six to eight glasses of water, juice or non-caffeinated carbonated beverages daily.

—Seek medical assistance when any of the following symptoms appear: Fever that lasts for more than three days; severe sore throat, accompanied by swollen glands in the neck; pain localized in the chest or abdomen; or a cough that brings up bloody or rust-colored sputum.

—The flu is highly contagious and can be spread by direct contact, by airborne droplets or by handling freshly soiled articles such as tissues. Be good to yourself and others by staying out of circulation for a few days, and generally taking precautions not to expose others to your germs.