

Cornell CHRONICLE

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3



'Pleasure and Repentance'

3



'Matisse:
The Man and His Art'

4-5

Hans Bethe at

80



The Big Red Barn covered with snow earlier this month after the winter's first real storm.

Lebow foresees continued strife in '87

Another year of significant terrorist activity, an increased threat of war between Israel and Syria, and continuation of the Iran-Iraq conflict — "a tragedy in endless acts" — are among the prospects for 1987 foreseen by R. Ned Lebow, director of peace studies.

Lebow, who also has served as a professor at the National War College and a scholar in residence at the Central Intelligence Agency, suggested that terrorism would continue because of the diverse purposes it serves.

"It is a means to dramatically publicize a cause. It is a means to mobilize support within one's group, to intimidate opponents, to make larger powers hostage to your wishes," Lebow said.

He pointed out that terrorist acts make it more difficult for moderates to settle div-

isive issues. In Northern Ireland, for example, there is a rise in terrorism every time the middle-class parties come close to reaching an agreement.

The possibility of Syrian-Israeli conflict arises, in Lebow's view, from Russian arms and personnel that have been pouring into Syria "at a rate that makes Syria, while not the military equal of Israel, a serious threat."

Syria's leader, Hafez el Assad, who faces profound economic pressures, "has bought himself a military window of opportunity he may wish to exploit. Alternatively, a Syrian mobilization on the Golan might trigger Israeli pre-emption," Lebow said.

The danger to the world from the Iran-Iraq war comes from the possibility that "Iran could gain a significant battlefield advantage, which could bring about super-

power intervention," he said, adding that neither the Soviets nor the West wants an outright Iranian victory.

He noted that the United States has benefited from the war, because it has inhibited Ayatollah Ruhollah Khomeini from fomenting revolutions in the region.

Lebow said that a serious crisis in U.S.-European relations could arise from the election victory of either the Labor Party in Britain or the Social Democrats in West Germany. Both are committed to denuclearization.

"The Europeans have wanted the security of a U.S.-Soviet arms control agreement, but at the same time they want the security of the American nuclear umbrella," Lebow pointed out.

"So total nuclear disarmament is proba-

Continued on page 4

Oppose bias on campus, staff urged

Cornell's senior and middle managers must move to combat human relations problems on campus, and the most important step in doing so is to "acknowledge that we have a problem and to face up to it," President Frank Rhodes said at last week's senior staff briefing. "It is not other people, but you and I who have to solve these problems," Rhodes said in opening the hour-and-a-half session in Uris Auditorium.

"Few realized how corrosive and widespread" is the problem of sexual harassment, Rhodes asserted during the extensive open discussion on human relations problems on campus, particularly in the areas of race and sexual harassment, which was attended by some 150 senior and middle managers.

Rhodes cited several recent incidents on campus, including the racist comments of a campus bus driver who subsequently resigned and disturbances at talks on campus by controversial speakers such as Rabbi Meyer Kahane and Kwame Toure, the black militant formerly known as Stokely Carmichael.

He also pointed to the findings of the human relations task force and the study on sexual harassment released earlier this fall.

Soliciting specific suggestions from those present on how the university can do a better job in the area of human relations, Rhodes proposed the possibility of human relations training for all managers on a voluntary, if not mandatory, basis.

He said that one important step already has been taken: the development of soon-to-be-announced improvements in grievance procedures.

Questioning the value of grievance procedures and the "committee process," Le Norman J. Strong, director of Willard Straight Hall, called for more immediate response and leadership on the part of managers in confronting issues as they arise.

He said protracted grievance procedures often irreparably damage personal relation-

Continued on page 5

Cut president's power, Lowi urges

Having Congress elect the president or allowing members of Congress to serve in the Cabinet are among the changes needed to reduce presidential power and insulate presidents from public opinion, according to political scientist Theodore J. Lowi, author of the award-winning book, "The Personal President: Power Invested, Promise Unfulfilled."

Without those changes, presidents are doomed to failure and the United States will continue to be weakened by "misplaced democracy," said Lowi.

"Democracy is a good thing as long as it knows its place," he said. Frequent opinion polls, an institution never envisioned by the Constitution's framers, give the public too much influence over the president, Lowi explained.

The polls contribute to "a dangerous flaw in the American system that encourages hit-and-run, go-it-alone, seat-of-the-pants foreign policy — action without policy," Lowi

said. "The Iranian arms-sale controversy is a perfect example.

"We are investing too much power in the presidency. No one can meet the expectations of that office," he added. "We must do something to save the presidency from itself."

According to Lowi, the Reagan Administration's secret arms sales to Iran and support of the Nicaraguan contras arise directly from five decades of increasing presidential power and reliance on public opinion polls, combined with a weakening of Congress.

He believes that presidents today derive their political strength from their weekly popularity ratings, not party affiliation or relations with Capitol Hill. As a result, presidents ignore time-consuming consultations with Congress in favor of taking isolated international actions that can keep poll ratings high.

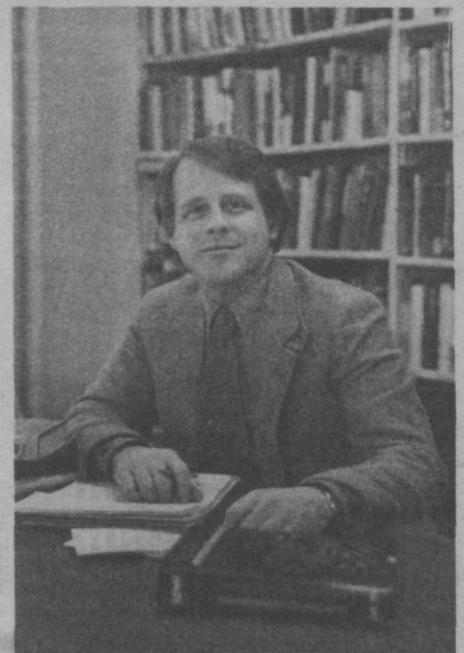
Reagan, for example, proclaimed an absolute and popular position of never neg-

otiating with terrorist states while his administration secretly sold arms to Iran and supported the contras — in violation of congressional intent, and possibly the law, Lowi pointed out.

If the dealings had remained secret long enough to free all American hostages, Reagan's ratings would have increased despite the contradiction between policy and action, Lowi predicted. The professor said that recent disclosures are sending the president's ratings plummeting, upsetting allies, consuming his administration and damaging his leadership on other issues. Reagan is destined to leave office "a man held in much lower esteem," Lowi said.

"The amount of influence we allow the polls to have was not intended by the Constitution," he added. "Presidents are rewarded for actions contrary to international stability. The presidency and diplomacy are natural enemies. That has to be

Continued on page 4



Ted Lowi

Notable

Richard I. Dick, Joseph P. Ripley Professor of Engineering, has been awarded the 1986 Rudolph Hering Medal of the American Society of Civil Engineers for a research paper, "Specific Resistance Measurements: Methods and Procedures," published in the June 1985 issue of "Journal of Environmental Engineering."

The paper was co-authored by George L. Christensen, a Villanova University civil engineering professor.

The Rudolph Hering Medal has been given annually since 1924 to ASCE members who publish original papers on subjects such as water and sewage works, drainage and refuse collection and disposal or any branch of environmental engineering that advances the profession.

In their paper, Dick and Christensen studied an aspect of the treatment and disposal of sludge from municipal and industrial wastewater.

Karel Husa, Kappa Alpha Professor of Music, whose 65th Birthday Celebration Tour included workshops, lectures and performances at universities in Boston, was recently honored by the declaration of Dec. 5 in the city of Boston as Karel Husa Appreciation Day. Mayor Raymond L. Flynn signed the official proclamation.

Mailey leaves Park

Tom Mailey, director of the Cornell Industry Research Park for the past five years, has left the university's "incubator facility for launching new enterprises" to become a technology transfer representative in the Office of Patents and Licensing.

That office assists researchers in protecting their patent rights and/or introducing new technologies into the marketplace.

John E. Majeroni, manager of Cornell's Real Estate Department, has assumed the additional title of acting director of the research park. A West point graduate, he has been at Cornell since 1981.

Hartz rejoins Museum

Jill Hartz, who served as assistant to the director of the Johnson Art Museum and coordinator of exhibitions and publicity from 1976 to 1981, has returned to the museum to assume the position of community relations coordinator, previously held by Kathryn Slocum.

Slocum left to become public relations coordinator at the Hudson River Museum.

During her five-and-a-half year absence from the museum, Hartz worked as the administrative manager of the Tompkins County Arts Council, editing the Grapevine and was editor/managing editor of Living Publications, publisher of five upstate city magazines.

Judd Falls Road will be made one-way in five-month experiment

Cornell and Town of Ithaca officials are putting the touches on an experiment to make Judd Falls Road one-way between Forest Home Drive and Plantations Road.

A two-block stretch of Judd Falls Road will become one-way Jan. 6, according to Noel Desch, town supervisor. He said the new traffic pattern should help reduce automobile congestion in the Forest Home neighborhood.

As part of the experiment, Cornell is allowing the use of its Plantations Road, a road not normally a public thoroughfare.

While motorists using Forest Home Drive and McIntyre Place will be able to turn south only, Judd Falls Road will be two-way from Tower Road to the Plantations Road turn-off.

Directional and warning signs will be installed and traffic barrels placed along two blocks of Judd Falls Road to create a temporary single lane. Six automatic traffic counters, already in place, are being used to

gather data on current and future traffic patterns extending from Forest Home Drive, Caldwell and Plantations roads, and the Tower Road intersection.

If the five-month experiment proves successful, town officials say physical improvements along the road will include a pedestrian walkway and new curbing. Desch added that the town is planning to improve Caldwell Road, which is expected to carry additional traffic, if the Judd Falls traffic pattern becomes permanent.

Although Cornell is cooperating in the trial, university officials are concerned about long-term use of Plantations Road.

"Plantations Road and the jughandle leading to it were not designed for heavy use," said William E. Wendt, Cornell's director of transportation services.

"The sharpness of the turn and the steepness of the grade will make the intersection particularly difficult when additional traffic is funneled onto the park road," he said.

Obituaries

Geoffrey S. S. Ludford

Geoffrey S. S. Ludford, professor of applied mathematics in the Department of Theoretical and Applied Mechanics for the past 25 years, died Dec. 11 in his home in Cayuga Heights after a brief illness. He was 58.

Prof. Ludford was recently appointed the first director of the newly created Mathematical Sciences Institute at Cornell. He had been instrumental in organizing the effort to win the five-year grant that brought the Institute here. He was also recently elected a professor of mathematics in the Department of Mathematics.

Born in London in 1928, son of the late Ernest and Elin Burgess Ludford, he attended Cambridge University and earned his bachelor's, master's and doctoral degrees there. At Cambridge, he was a member of the 1947 crew that won the Henley Royal Regatta Grand Challenge Cup and the 1949 crew that won the Oxford-Cambridge boat race.

He was at Harvard University from 1949 to 1951 and at the University of Maryland from 1951 to 1960. After a year at Brown University, he came to Cornell in 1961 as a professor of applied mathematics. Here, he established a series of graduate courses that served as the mathematical foundation for doctoral students from all over the university.

His research interests centered on the application of mathematics to fluid phenomena, including magneto-fluid-dynamics and combustion. He was the author of more than 160 research papers and four books. The latter include completion, along with Hilda Geiringer, of a fundamental work on compressible fluid flow by Prof. R. von Mises and a 1982 book, "The Theory of Laminar Flames," along with his former student, Prof. J. D. Buckmaster.

During his career, Prof. Ludford won numerous fellowships, including a Guggenheim Fellowship and a Fulbright-Hays Scholarship. He also was given an Alexander von Humboldt Award and was a United Kingdom Science Research Council Visiting Fellow at Cambridge.

He was a fellow of the Cambridge Philosophical Society and a member of numerous professional societies.

He is survived by his wife, Pamela M. Ludford, two daughters, Susan Davidson of Philadelphia and Jennifer Messing Ludford of Baltimore, a brother, Norman Henry Ludford of England, and five grandchildren.

A memorial service will be held Dec. 20 at 2 p.m. at Anabel Taylor Hall. There are no calling hours.

Andre Gerard van Veen

Andre Gerard van Veen, the first director of Cornell's International Nutrition Program, died Dec. 7 at Oak Hill Manor Nursing Home. He was 83.

Prof. van Veen was born in the Netherlands and spent his early years in that country. He received a master's and a doctoral degree, both cum laude, from the University of Utrecht.

Prof. van Veen devoted his professional career to problems of nutrition in developing countries, beginning in Indonesia where he spent many years, and later with the

United Nations Food and Agriculture Organization.

He joined the Cornell faculty in 1962 to initiate an International Nutrition Training Program in what was then the Graduate School of Nutrition. The program is now part of the Division of Nutritional Sciences in the College of Human Ecology.

Research carried out at Cornell under his guidance included study of the nutritive value of fermented foods consumed in the Far East, near East and Latin America. In collaboration with social scientists, he was the first to develop ways of applying social science research methods to the study of food and nutrition problems.

In 1968, he retired from Cornell and continued to live in Ithaca. In 1970, he received the Eykman Award given by the Eykman Foundation in the Netherlands to scientists who have made significant contributions to tropical medicine and health in their broadest sense.

In 1983, he was elected a Fellow of the American Institute of Nutrition.

He is survived by his second wife, Marjorie; a son by his first wife; two grandchildren; and a sister.

Allan K. Gibbs

Allan Gibbs, a senior postdoctoral fellow at the National Research Council at NASA in Houston who was an assistant professor in Cornell's Department of Geological Sciences from August 1979 until June 1986, died Dec. 3 at Hermann Hospital in Houston as a result of injuries suffered in a car accident Dec. 1. He was 39.

Prof. Gibbs' research interests were in economic and Precambrian geology, and mineral resource development. He spent many years working on regional surveys and mineral exploration expeditions in the tropical rain forests of British Guyana, where he concentrated on problems of greenstone belt geology and mineral exploration.

He attended Harvard College and graduated with an A.B. in 1969. He received a master of science degree in mineral economics from the Imperial College in London in January 1975 and a Master of Science degree in mineral exploration from Harvard University in June 1975. His doctorate was in geology and was awarded to him by Harvard University in 1979.

He is survived by his wife, Hilary, his son Henry, and a newborn son who arrived on Dec. 11.

Dwight A. Webster

Dwight A. Webster, professor emeritus of natural resources in the College of Agriculture and Life Sciences, died Nov. 9 at his home.

Webster was an authority on salmon and trout and was best known for his research on the production and management of lake trout and brook trout in the Finger lakes and Adirondack regions.

He received a bachelor degree in 1940 and a doctoral degree in 1943 in fisheries science at Cornell, where he became an instructor. He became a full professor in 1957 and was the chairman of the Department of Natural Resources from 1967 to 1971.

Briefs

■ **Appledore Store sells marine gifts:** The Appledore Store, G-14 Stimson Hall, run by Shoals Marine Laboratory and featuring items with a marine flavor, will be open until Dec. 24. Hours are 7:30 a.m. to 5 p.m.

Clothing with artwork of many Isles of Shoals animals and plants, art prints, posters, notecards, mugs, adult books and children's books and a 1987 calendar are among the items for sale.

Profits from the store go into Shoals Marine Laboratory's scholarship fund to help students who want to attend the summer marine field station on Appledore Island, Me. To order a catalogue or obtain other information, call 255-3717.

■ Glee Club, Chorale on CBS radio:

The Cornell Glee Club and the Cornell Chorale, both conducted by Thomas Sokol, will be featured on the CBS Radio Network program "CBS Cavalcade of Christmas Music" to be broadcast Dec. 24 at 7:06 p.m. by WHCU-AM Ithaca.

The half-hour program was distributed via satellite to the 405 affiliated stations of CBS Radio Network earlier this week for broadcast at local times selected by the stations.

The program is recorded in stereo and includes Gregorian chants and works by Franz Biebl, Maximilian Albrecht, Anton Bruckner and Gioacchino Rossini.

Sokol is chairman of the Music Department and director of Choral Music.

■ **Spring semester registration:** University registration will be held in Barton Hall Jan. 22 and 23, 1987 from 8 to 11:30 a.m. and from 1 to 4 p.m. Registration for the School of Veterinary Medicine will be held in Sherman Hall Jan. 21 from 1 to 4:30 p.m. Law School registration will be in Myron Taylor Hall Jan. 28 from 1 to 5 p.m. Extra-mural and late university registration will be held in Barton Hall Jan. 26 and 27 from 8:30 a.m. to 4 p.m.

■ **Wintersession courses scheduled:** Students may reduce their spring term class loads or accelerate their degree programs by enrolling in courses during wintersession, which begins Dec. 26 and runs through Jan. 21, 1987.

Courses are being offered in English, government, industrial and labor relations, business and theatre arts.

Independent study and tutorials are also available. For these, arrangements should be made with a faculty member who will supervise. Application forms are available from the Division of Summer Session, Extramural Study, and Related Programs, B12 Ives Hall.

General registration will take place weekdays from 8:30 a.m. to 4 p.m. through Dec. 12 in B12 Ives Hall. For more information, call 255-4987.

■ **Holiday/intersession bus service:** CU Transit will cease service for AB Local, East Ithaca, B Lot-Collegetown, and NET Route 2 bus routes, Dec. 25 to Jan. 2. AB Local, B Lot-Collegetown, East Ithaca and NET Route 2 will resume regular schedules Jan. 5.

University employees may park in all legal parking areas on campus regardless of parking permit from Dec. 25 through Jan. 4.

CU Transit will cease operations for the A-Morrison, West Campus and Blue Light runs after the completion of the day's schedule Dec. 19 and commence operation Jan. 21. Blue Light bus service will suspend operation after the night's schedule Dec. 19 and will resume Jan. 19.

Ithaca Transit including NET Route 1, and Tomtran routes of Ithaca-Dryden, Town of Ullyses and Newfield will cease operations only on Dec. 25 and Jan. 1. Regular schedules will be run during the rest of the holiday/intersession period.

However, Tomtran will be conducting experimental Saturday Ithaca-Dryden runs each Saturday, commencing service at 9:30 a.m. from Groton and ending service at 7:45 p.m. in Varna. Schedules are available on Tomtran buses.

■ **Campus Store holiday schedule:** The Campus Store will close for the holidays at 5 p.m. Dec. 23 and will reopen at 8:30 a.m. Jan. 5.

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It is the policy of Cornell University to support actively 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 that will assure the continuation of such equality of opportunity.

Robinson predicts moderate economic growth in 1987

The nation's economy is expected to grow in 1987 at about the same rate as it did this past year, according to Kenneth L. Robinson, an agricultural economist in the College of Agriculture and Life Sciences.

Moderate increases in consumer and government spending will continue to help sustain economic growth, Robinson said at the Agribusiness Situation and Outlook Conference here Dec. 16.

"The absence of large inventories, the persistence of monetary ease and a weaker dollar should help the nation avoid slipping into a recession," he said.

As for inflation, Robinson said that lower gasoline prices and modest wage increases helped hold down the rate of inflation in 1986 to an average of just under 2 percent.

"In 1987, the rate of inflation is likely to rise to 3.5 to 4 percent," he predicted.

Robinson said he sees no significant improvement in the rate of unemployment in 1987. The number of jobs added to the economy will be about equal to new entrants into the labor force. As in the recent past, most of the rise in employment will occur in service-related industries rather than in manufacturing.

Robinson cited increases in consumer spending, residential construction and defense-related government purchases as major contributors to economic growth during the past two years. He said that these factors will help keep the economy expanding in 1987.

But the economy will get little help from the housing sector, which is marred by a decline in construction of apartments and condominiums, Robinson added.

"The same is true of business investment," he said. "Tax changes will further depress incentives to add new plants and equipment."

A weaker dollar combined with a somewhat higher rate of economic growth in countries that are potential buyers of American goods and services should help boost exports while possibly reducing imports in 1987, thus reversing recent trends in the balance of payments deficit, Robinson said.

"But the changes are not likely to be dramatic," he added. "Consequently, there

will be strong pressure in Congress to adopt protectionist legislation."

Robinson said that prices of major export crops such as corn, wheat, cotton and soybeans are likely to remain weak in 1987 because of lower support prices and the "extremely competitive environment" that prevails in world markets.

"Combined domestic use and exports are expected to equal or exceed the 1986 production of wheat, cotton and rice," he said.

Corn, however, remains as the most serious surplus problem, he noted. As a result, farmers will be offered additional incentives in 1987 to reduce the acreage planted to corn.

— Yong H. Kim

'Pleasure' anthology will resume

Works by John Donne, Mickey Spillane, Sir Walter Raleigh and the Rolling Stones, to name a few, are included in "Pleasure and Repentance," a performance anthology that will be presented on and off campus during the spring semester by the Department of Theatre Arts.

During 50 minutes on stage, Jane Gabbert Wilson, Eric Ness and Armand Schultz use a guitar, a shawl, a hat and a few other small props as they recite, act and sing material selected for its common theme of pleasure and repentance.

Selections include "To His Mistress Going to Bed," by Donne; a passage from Spillane's "I the Jury"; "A Description of Love," by Raleigh; and the lyrics of "Satisfaction," by the Stones.

The three actors are the first participants in Cornell's Residential Professional Theatre Associates program, under which holders of master of fine arts degrees with some theater experience are invited to teach and perform at Cornell for one or two academic years under the guidance of well-known professionals. Among the first year's guest artists is Maurice Daniels, former development administrator of the Royal Shakes-

peare Company, who is directing "Pleasure and Repentance."

The anthology opened on Nov. 16 at Teluride House and has been performed 10 other times, most recently on Dec. 1 in the Noyes Center on West Campus.

Performances will resume after the winter vacation, beginning at noon on Jan. 28 in the Memorial Room at Willard Straight Hall as part of the Classics at Noon series. There also will be a performance on Feb. 6 at noon in the student lounge of Myron Taylor Hall.

Theatre Cornell is awaiting firm dates for taking the anthology to the Dryden campus of Tompkins County Community College and the Cortland campus of State University of New York. The Department of Comparative Literature is arranging for a performance of "Pleasure and Repentance" during a Culture Industry conference for graduates April 9, 10 and 11.

Faculty or staff interested in arranging other performances should phone Theatre Cornell's outreach director, Janet Salmons-Rue, at 255-2787.

— Barry Gross



Armand Schultz, Eric Ness and Jane Gabbert-Wilson in "Pleasure and Repentance," which will continue its roving performances in the spring term.

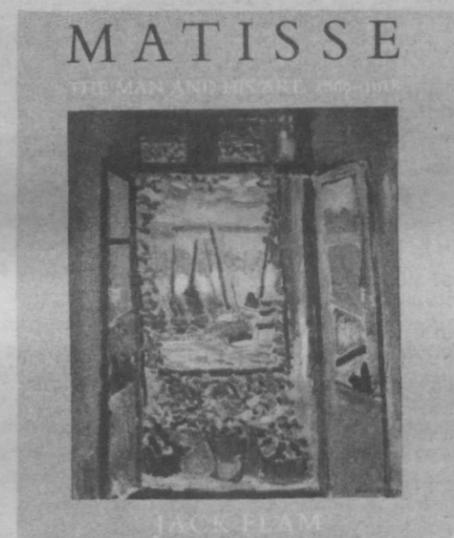
CUPress releases Flam's 'Matisse'

Cornell University Press' lead book for the fall 1986 season, "Matisse: The Man and His Art," by art historian Jack Flam, has been so successful that the first printing of 2,500 copies sold out even before the book arrived here from its printer in South Korea.

Another 3,500 copies of the 528-page book, replete with 102 color and 395 black-and-white illustrations, are on order and should arrive by mid-February — still in time for the major reappraisal of Matisse going on in this country and in his native France.

Some of the interest in Henri Matisse at this particular time comes from a major exhibition at the National Gallery of Art in Washington, D.C., and the attention that that show and various books on Matisse, including Flam's, have received in The New York Times, The Boston Globe and The Chicago Tribune.

Coincidentally, Flam's book covers the years of Matisse's work from 1869 to 1918, and the exhibition at the National Gallery picks up the story from there, with its emphasis on Matisse's early years in Nice, from 1916 to 1930.



Cornell University Press' lead book for fall 1986

Cornell University Press also received attention in The New York Times recently for another book published this year: "The Vanished Imam: Musa al Sadr and the Shia of Lebanon," by Fouad Ajami. That book was included in The New York Times Book Review editors' list of the 10 best non-fiction works of 1986.

FCR rejects Safety complaint board

The Faculty Council of Representatives defeated a proposal at its Dec. 10 meeting that would have recommended the establishment of an independent body to consider serious complaints against the Public Safety Department.

The resolution to create a faculty-student oversight committee was recommended by the Committee on Freedom of Teaching and Learning. It was soundly voted down after open discussion established that the committee had not consulted with the Public Safety Advisory Board, which is made up of faculty, staff and students.

That body, which was created in the mid-1970s, does not routinely hear complaints against the Public Safety Department but members of the community have appeared before it to discuss concerns about the department.

The current chairman is Ronald Anderson, an associate professor of plant breeding biometry.

The vice president for campus affairs, William D. Gurowitz, also reminded the FCR that Public Safety Department supervisors do discipline officers when necessary.

Gurowitz cited figures for the five years

that ended in June 1986 demonstrating the internal complaint/discipline procedures of the Department: 39 complaints were filed; 25 were judged to be founded; some are still pending; there were 12 suspensions totaling 104 days, four resignations, two discharges, and four verbal and six written reprimands.

In other business, the FCR approved a resolution presented by its Committee on Minority Education that endorses the establishment of a residential house for the American Indian Program. With the passage of the resolution, the FCR urges the provost to recommend the proposal to the Board of Trustees.

The program house would be shared equally by Indian and non-Indian students interested in American Indian culture. Current proposals envision some 35 residents and a graduate student resident advisor.

The FCR also approved a resolution codifying university policy on student observance of religious holidays. The resolution acknowledges the rights of students to observe religious practices that might conflict with the academic calendar, but requires them to inform faculty in advance of such conflicts.

— Carole Stone

Engineering College receives assistance from AT&T

Computer vision, compound semiconductors and ultra-cold temperatures are among the research areas at the College of Engineering receiving assistance this year from AT&T.

Engineering education also received a boost when the telecommunications company supported the purchase of specialized classroom equipment and sent 26 of its employees here to study.

Support from AT&T to Cornell scientific research and education totaled \$1,364,591 in 1986.

The most tangible evidence of the AT&T support can be found in research and teaching laboratories where the firm's Special Purpose Grant Program has provided for \$298,591 in new equipment.

Among research programs receiving special support are electrical engineering studies of computer vision systems for high-speed computation, development of high-speed semiconductors and semiconductor materials and the cooling of materials to temperatures near absolute zero in the Laboratory of Atomic and Solid State Physics.

An applied-optics course, in which freshmen build lasers, will receive AT&T support, as will electrical engineering classes that use a wall-sized "electronic blackboard" to display three-dimensional computer graphics.

The firm provided a total of \$200,000 in 1985 and 1986 to help fund renovations in Upson Hall, home of the departments of Computer Science and of Mechanical and

Aerospace Engineering, and the School of Operations Research and Industrial Engineering.

Matching corporate funds to help support the research of four faculty members who received the federal government's Presidential Young Investigator Awards totaled \$95,000 in physics, electrical engineering, operations research and materials science. Another \$37,500 in grants also was provided to research in related areas.

Nearly \$600,000 in aid was provided to 22 students through the AT&T Scholars program. Recipients are studying and conducting research in physics, electrical engineering, computer science and materials science.

Among engineering students on the Cor-

nell campus are AT&T employees who are participating in the firm's One Year on Campus Program to further their education in job-related fields. To support 26 AT&T employees studying in the College of Engineering, the firm spent \$299,000 in tuition and fees.

Commenting on corporate support of engineering education and research, AT&T Foundation President Reynold Levy said, "Today, more than ever, we are responsible for maintaining our nation's position as a leader in high technology. Our institutions of higher learning produce the exceptional talent we need to perform this task."

"It is up to us, therefore, as beneficiaries of their efforts, to assist academia wherever we can."

Prof. Hans A. Bethe at 80: Moving from the

Better scientific advice would cut down on presidential blunders; nuclear fission power is still safe, but fusion power looks difficult and economically chancy; a lack of industry-government cooperation is costing this country its technological edge; "Star Wars" research is unlikely to yield anything useful; and international cooperation is the key to the future in "big science."

These ideas, which are shared by many people, have special impact coming from a man who has seen eight decades of change and who has shaped scientific history for much of the century.

It has been 11 years since nuclear theoretical physicist Hans A. Bethe retired from teaching at Cornell, 19 years since he won the Nobel Prize in physics for work conducted 30 years earlier, 25 years since his last official role in molding national scientific policy and 41 years since he helped conceive the atomic bomb.

Yet Bethe, who turned 80 on July 2, continues to be in demand for his perspective on the past and his view of the future. Congressional committees, fellow scientists and college audiences alike solicit and receive his carefully considered opinions.

He is a link to the great physicists under whom he studied — Enrico Fermi, Niels Bohr and Ernest Rutherford — and the political leaders whom he served as director of the Manhattan Project's theoretical division, as a presidential science advisor and as a nuclear arms control delegate.

Emigrated from Germany

The son of a physiology professor, Bethe was born in 1906 in Strasbourg and grew up in Frankfurt. After earning a Ph.D. in physics from the University of Munich in 1928, he held a succession of teaching and research positions in Frankfurt, Stuttgart, Munich, Cambridge and Rome. When Hitler came to power, Bethe was dismissed from his assistant professorship at the University of Tubingen, and he left Germany in 1933.

Appointments at the universities of Manchester and Bristol followed, and in 1935 he came to the United States as an assistant professor of physics at Cornell. Except for four years during World War II, he has been here ever since, and now is the John Wendell Anderson Professor of Physics Emeritus.

From an office in the Newman Laboratory of Nuclear Studies — his headquarters when he is not travelling — Bethe ponders the relationship between energy and matter by way of the science he finds most exciting: astrophysics.

Colleagues from laboratories around the United States celebrated the birthday of the man who explained energy production in stars with a conference here Oct. 20 and 21 on supernovae, the brightly exploding massive stars. Topics ranged from "Physics of Degenerate Carbon Ignition" and "Late Evolution of Core Collapse" to "Testing Bethe's Hypothesis on Neutrino Conversion in the Sun."

More down-to-Earth topics faced Bethe in a recent interview with Cornell News Service



Congratulations on receiving the 1961 Enrico Fermi Award of the U.S. Atomic Energy Commission comes from President John F. Kennedy, whom Bethe also served as a science advisor. After his part in developing the atomic bomb, Bethe worked for arms control and peaceful uses of nuclear energy.



The theoretical physicist visits the experimentalist and his atom-smashing machine as Bethe takes a bicycle tour of the half-mile tunnel of the Wilson Synchrotron Laboratory with Boyce D. McDaniel, then director of the laboratory, in 1968.

staff members. Bethe reviewed events that occurred in his 80th year — the failures of the Chernobyl reactor and the Challenger spacecraft, continuation of the Strategic Defense Initiative and the widening Japan-U.S. technology gap — and looked ahead with considerable optimism. Among the thoughts of Hans Bethe:

Scientific advice to presidents: "I wish the advice were better and more direct in this country," said Bethe, who served Eisenhower and Kennedy on the President's Science Advisory Committee.

No president has had a panel of scientific advisors since Nixon abolished the committee, Bethe noted, and advice to Congress through the Office of Technological Assessment and the National Academy of Sciences is a less-than-perfect substitute.

Scientific advisory committee members had no financial or political stakes in the matters they considered, and were instrumental during Bethe's tenure in revamping high school science education, streamlining Defense Department research and development, and ending research on the proposed nuclear-powered airplane. That proposal, according to Bethe, was "a nonsensical project. It would never have flown and it would never have been useful. It was very similar to the President's Strategic Defense Initiative."

"Star Wars" spin-offs: "The Strategic Defense Initiative is not science," said Bethe, distinguishing between scientific achievement, "when we discover a new particle or when we discover how genetics works," and technological achievement.

"The technological demands of SDI are enormous — in fact, far beyond anything we are likely to accomplish — but I doubt very much that there will be much 'fallout' from SDI for civilian industry."

"For instance, the free-electron laser that SDI is sponsoring is five miles long. Who wants in his laboratory or in his hospital a laser that is five miles long? This describes the whole situation very well. Namely, that SDI is far beyond anything that could be useful for practical purposes."

Bethe was one of the first prominent American scientists to speak out against SDI, questioning its feasibility and objecting, in part, because the proposed missile shield would be under complete control of computers; the computers, he says, could be truly tested only in the event of an attack.

Lowi Continued from page 1

changed."

Laws requiring presidents to consult with Congress, such as the War Powers Act, have succeeded only in "forcing each president to be a law-breaker," Lowi added.

Several changes would restore a balance of power in American government, Lowi suggested:

- A constitutional amendment allowing members of Congress to serve in the Cabinet would prevent the president from acting without congressional knowledge. Prohibiting members of Congress from serving in the Cabinet was necessary to maintain separation of powers in a time when Congress and the executive were more equally balanced, Lowi said, "but this is not 1787. This is a whole different republic, especially where the presidency is concerned."

- Congress could elect the president. That notion is anything but anti-democratic; it's exactly what the founding fathers intended as a way of isolating presidents from the pressures of public opinion while keeping presidents responsible to the public's elected representatives, Lowi said.

The rise of a third major political party — which Lowi called inevitable — would

prevent any one candidate from obtaining a majority of votes in the Electoral College. In that event, the House of Representatives would elect the president.

"Congress has to take back from the people some of its role in selecting presidents," he said. "We don't want to democratize our country, but we can, in good American constitutional spirit, provide buffers between the president and the people."

- Presidential candidates should be encouraged to announce their cabinet selections during the campaign as a means of sharing responsibility. The "electoral mandate" then would be granted to a group of people, not one person, Lowi said.

"Ronald Reagan, despite his vaunted luck, has not been able to escape the force that shaped his predecessors and sealed their fate," he added. "That force is not the economy, Soviet aggression or state-sponsored terrorism but the mass politics surrounding the presidency itself."

"Just imagine how better off we would be today if Reagan, a genuine conservative, had applied his concern for big government to the part over which he had the most control — the big presidency."

— Mark Eyerly

Lebow Continued from page 1

bly as unrealistic and unfortunately as ill-advised as the current policy of both superpowers, which is to accumulate nuclear weapons the way squirrels accumulate acorns," Lebow insisted.

"A realistic policy would be to reduce weapons to much lower levels, where both sides would have a degree of mutually-assured-destruction capability.

"I think Ronald Reagan really feels the onus of being the first president in modern times not to negotiate an arms control

agreement," the professor continued. "He really wants to be remembered as a peacemaker. He feels that very strongly. At the same time, he is committed to policies that preclude that goal.

"Star Wars is a kind of valium that lets him sleep at night, that lets him escape his responsibility as leader of the Free World who might have to consider some day the threat or use of nuclear weapons."

— Irv Chapman

Safety gives baskets

The union members of Cornell's Public Safety Division have prepared 10 holiday food baskets for families in student family housing.

The baskets, which will be distributed Dec. 19, include turkeys, sweet potatoes, vegetables and cranberry dressing.

Fran Doney, Family Housing Program coordinator, assisted in the distribution of the holiday baskets.

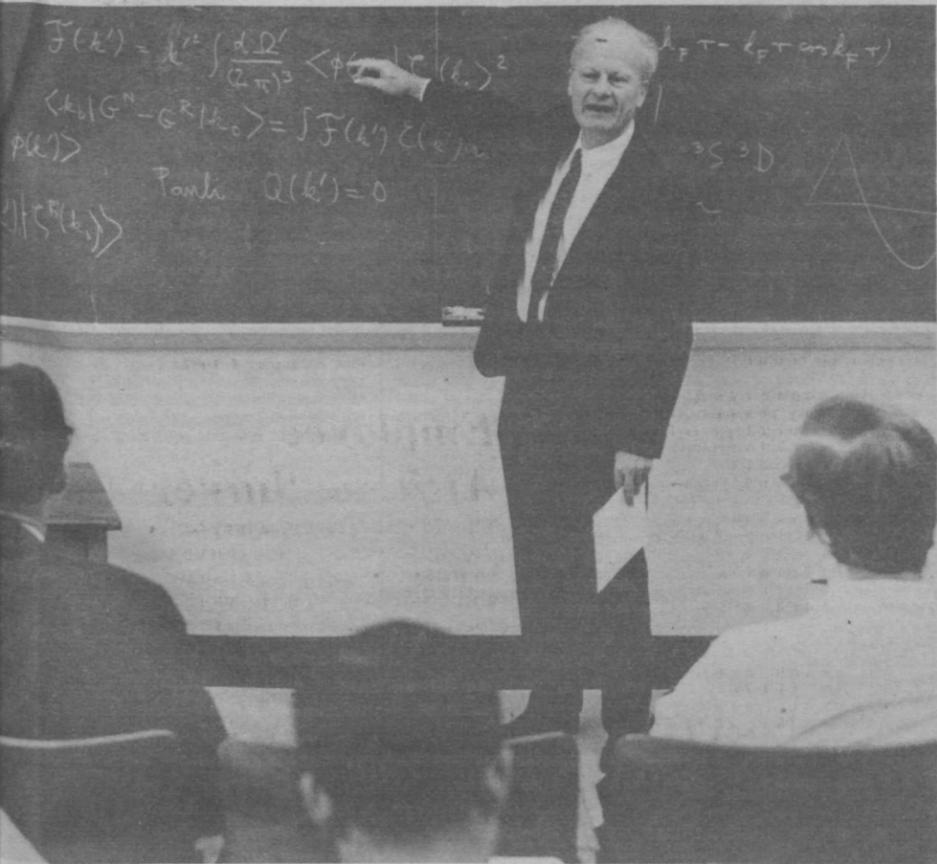
This was the first year of the holiday gift-giving project, which is likely to be repeated next year.

Q: Is your alcohol outlook user friendly?

A: Log on to the Alcohol I.Q. Network for the full shot of information!



dawn of the Nuclear Age into its future



Bethe lectures to a Cornell physics class after being named winner of the 1967 Nobel Prize in physics. His explanation of the Sun's energy cycle, which earned the prize, was published 30 years earlier.

The technology of nuclear reactors, space shuttles and automobiles: "America is lagging behind, not in most areas of scientific research, but in applied technology — applied to everyday life," he said.

"We build nuclear power plants much better than we build automobiles," said Bethe, a long-time advocate of peaceful uses of nuclear energy. "It is necessary to do so because many more people depend on [the safety of nuclear reactors]. In the U.S., every even slight malfunction has to be reported and is made public. That is the difference between the Russian attitude and the American attitude.

"As it is built in Western countries — in Western Europe and the United States — nuclear power is very, very safe. The public was shaken by the Chernobyl accident, and it is understandable that they were. [The Russians] operated that reactor as if they were the Marx brothers; you can't operate a serious and complicated piece of equipment that way. The Russian reactor also was designed in a way that it was prone to accidents. No matter how you treat a Western reactor — and the Three Mile Island reactor was mistreated — it can never do a Chernobyl. Western reactors are safer than almost any other industrial enterprise.

"The technological achievement of our space effort has been very great," said Bethe, pointing in particular to the flights of the Voyager spacecraft. "Unfortunately, the Challenger suffered from two things: The managers disregarded the warnings of the engineers, and the shuttle project, generally, was done against the recommendation of the best scientists. It is nonsense to use manned flight to put satellites into space.

"If you have manned flight, the vehicle ought to be 99.9 percent safe. It was a great mistake to embark on the shuttle, and a greater mistake to let all the satellite launching be done by it. These should be done by unmanned rockets, which need to be only about 95 percent reliable. Our space activities were highly successful when space probes were launched by unmanned rockets."

"We have been lagging behind for many years in optical equipment, and now we are behind in automobiles, which is fantastic, because the [mass-produced] automobile started in this country. Now the Japanese are making better, cheaper, longer-lasting automobiles. In Japan, there is a much more cooperative attitude between industry and government. I think that might help in the United States industry as well.

"Big" science and the superconducting supercollider (SSC): "One thing the National Science Foundation finds hard to do is decide how to distribute money between big science and small science. Lots of progress is always made in small science and, generally speaking, biology is still small science, where the individual experiment is not terribly expensive. Biology has made more progress than any other field of science in the last 50 years.

"It's a big question: Where do you get the money? In favor of big science, there is the point that you are not going to get answers unless you spend a lot of money," Bethe said, alluding to the proposed superconducting supercollider. Described as the largest, most expensive science project in history, the multi-billion-dollar American atom-smasher has been designed but has yet to find a site or enough funding for construction. Some scientists suggest that the race between American and European physicists to discover new subatomic particles is a wasteful one.

"The race so far has gone pretty well," Bethe said. "It has been to the benefit of both sides. But of course, the race so far was in the order of a few hundred million dollars. Once you get into the billions, as you do with the supercollider, it's a different matter. I would be very happy if the supercollider were done cooperatively between Western Europe and the United States."

Bethe also noted an instance of international cooperation that will require only millions of dollars: the upcoming search for solar neutrinos by Soviet and American scientists. Neutrinos, the weightless neutral particles emitted by the sun, have been extremely difficult to detect because they pass through nearly everything — including the Earth — at the speed of light without leaving a trace.

"The Russians have a lot of the material needed [to detect neutrinos], which is gallium, and they have invited American experimenters to join them so that the result of the experiment will be believed," he said.

Harnessing fusion for energy: "If you had asked me in the 1950s, I would have been very doubtful. In the 1970s I would have been quite optimistic. But now I am doubtful again, not as doubtful as I was originally.

"It apparently is much more difficult than we thought to get really working fusion power plants. One thing we have learned: It will be immensely expensive. I don't believe it will be economically competitive [with fission or other sources of energy]. It is, however, worth doing. We may learn something which will make it more economical, and I am very much in favor of continuing the effort."

The future for science: "One of the intriguing things about science is that you never can tell what's going to happen. There are certain areas in which we can predict fairly well. I think we will have quite a number of discoveries in astronomy and astrophysics. Certainly a lot will be learned about particle physics from the new accelerators.

"I grew up from the age of eight to 12 in a terrible war in which millions of people were killed in the battlefield and there was a lot of starvation. At present, our main worry is that there might be a war far worse than anything the world has ever seen.

"It is true that the population is increasing far too much. I would like that to stop, and I would like good family planning in all countries, not only in the United States. But on the other hand, if you take the world as a whole, enough food is produced for the entire world, which didn't happen in my young days at all.

"There are new diseases, but there are many new cures, many new medicines we never dreamed of in my young days.

"Yes, my grandchild is inheriting a better world."

— Roger Segelken



With the cost of 'big science' increasing from millions to billions, Bethe looks forward to an era of international cooperation in research.

Bias on campus *Continued from page 1*

ships and perception of the university. Adding that the "committee process" does not "help promote learning," Strong said immediate rehabilitation in human relations also must be made available.

A number of other speakers, including William D. Gurowitz, vice president for campus affairs, stressed the need for all members of the community to be more active in speaking out against inappropriate behavior as it occurs.

One of the great blocks to progress in human relations is fear of retaliation against "whistle blowers," particularly in cases of sexual harassment, according to several speakers, including Associate Provost Joan R. Egner.

Warning against a "tide of expectations" based on more human relations training on campus, Associate University Counsel Thomas M. Santoro said, "Only so much can be done if people fear retaliation."

Provost Robert Barker said the issue of determining a person's human relations fitness to teach and supervise somehow must be addressed at the hiring stage. It also was suggested that human relations fitness should be part of performance appraisals. Employee trustee George Peter said all

kinds of harassment in the workplace must be addressed.

Speakers repeatedly stressed the need for widespread human relations training on campus, with one saying he did not think students could be graduated without knowing how to swim. Why, then, should they be allowed to graduate without some training and sensitizing in human relations? he asked.

In its approach to human relations problems, "Cornell must do what it does best — educate and train," said Roxana Bahar, business manager of athletics.

An important part of this training, which should be available to all members of the Cornell community, according to Carol Ghock of university development, is how to effectively confront "inappropriate behavior."

For example, it would be better to say "that offends me," rather than "don't you do that," she said.

Senior Vice President William G. Herbsater said another senior staff briefing on the issue of human relations will be held in January at a date to be announced.

— Martin B. Stiles

Beef workshop course set

The nuts and bolts of raising and marketing beef cattle will be discussed at the 1987 Cornell University Beef Production Short Course scheduled for Jan. 6-9. Beef producers in New York State and neighboring states are invited.

The short course is an in-depth study of the basic principles and state-of-the-art practices for beef cattle production, with emphasis on the application of up-to-date information on animal breeding, nutrition, reproduction and health to management systems for small and large beef operations, according to William E. Greene, chairman of the short-course program and a beef specialist in the College of Agriculture and Life Sciences.

New this year is a special workshop for cattle feeders, scheduled for Jan. 6, which will discuss management priorities, grades of feeder and finished cattle, buying feeder cattle and selling finished cattle, requirements of finishing cattle, and feeding and nutrition in terms of ration balancing and feed budgeting.

The beef production course, which is scheduled to start at 1 p.m. on Jan. 7, will feature lectures on beef herd reproduction,

breeding programs, facilities and equipment, herd health, calendarized beef herd management, forage species for beef production, setting up a grazing system and management of the grazing beef herd to maximize weaning weights.

In addition, changes needed to improve marketability of feeder cattle, using business and performance records to improve profitability, marketing of feeder and finished cattle, direct marketing, and the outlook and priorities for management will be examined.

The Jan. 9 program will be conducted in the Ithaca Sheraton Inn, where the New York State Beef Cattle Association will hold its annual meeting, Greene said. Other sessions will be held in Morrison Hall on campus.

— Yong H. Kim

Cornell CHRONICLE

This is the last issue of the Cornell Chronicle until next year. Publication will resume Jan. 15, 1987.

Job Opportunities

HIRING FREEZE BEGINS DECEMBER 4, 1986 THROUGH JANUARY 2, 1987. WINTER HOLIDAY SCHEDULE: Due to the Winter Holiday, there will be no Job Opportunities list on December 25, January 1 or January 8. Therefore, requisitions received after noon on Thursday, December 11 through noon on Thursday, January 8, 1987 will be posted in the January 15 issue of Job Opportunities.

Administrative and Professional

The minimum salaries listed are for recruitment purposes only.

APPLICATIONS PROGRAMMER II (PT492) Animal Science

Design, write, implement, document and maintain applications software of a complex nature for Northeast Dairy Records Processing Laboratory.

Requirements: Bachelor's degree in Animal Science or Computer Science. 2-3 years of experience including knowledge of application programming procedures and techniques. Experience with basic assembler language and CICS preferred. Send cover letter and resume to Judi Pulkinen by 1-9-87.

RESEARCH SUPPORT SPECIALIST II (PT491) Entomology-Geneva

Assist in providing fruit arthropod control recommendations; diagnose and monitor fruit pests; manage temporary employees; help prepare extension literature; assist in design, execution, analysis, and publication of lab and field research; assist in maintaining fruit orchards and in applying chemical treatments.

Requirements: B.S. in entomology, plant protection, or related curriculum; M.S. preferred; must have valid NYS driver's license. 2 years in research-field experience in related area; skills in farm operation, computer use, lab techniques preferred. Must have interest in extension activities and applied research in pest management. Managerial, organizational, and communication skills required. Send cover letter and resume to Judi Pulkinen by 1-9-87.

DIVISION MEDIA MANAGER (PA3113) Summer Session-Repot

Under direct supervision of associate dean, develop and administer advertising and public relations under direction of Division senior staff; responsible for planning, coordination, scheduling, production, and distribution of all printed and other publicity materials.

Requirements: B.A. or equivalent. Knowledge of editorial, layout, and production techniques; newspaper, periodical, and advertising industries; computer applications including Macintosh Page Maker. Experience in writing for diverse public. Send cover letter and resume to Cynthia Smithbower.

ADMINISTRATIVE SUPERVISOR II (PA389) Division of Nutritional Sciences

Direct and advise on business facilities and personnel aspects of an international program with a \$1 million annual budget. Activities include funds management, information systems management, equipment and space management, staff supervision.

Requirements: Bachelor's degree required. 2 years relevant administrative supervisory experience, knowledge of finance, accounting, budgeting. Familiarity with microcomputers. Good communication skills. Send cover letter and resume to Cynthia Smithbower.

ASSISTANT TREASURER (PA484) Vice President and Treasurer

Responsible for banking relations; outside investment management oversight; debt management; receipt, custody, control and disbursement of University funds including Cash Management Office and related control functions; Risk Management and Insurance; Capital Planning; and Investment Office accounting and administration.

Requirements: Bachelor's, MBA preferred and 5-7 years banking-financial management experience. Relevant experience in traditional treasurer functions and capital planning. Excellent management, problem solving and communication skills required. Send cover letter and resume to Cynthia Smithbower by 1-5-87.

SENIOR TRAINING ASSOCIATE (P483) University Personnel Services

Assist in planning, development and administration of a wide variety of training and human resource development programs and services for University non-academic staff. Assist in definition of mission, goals, objectives, policies and procedures. Assist in administration of University Performance Appraisal System.

Requirements: Master's degree in Human Resources, Organizational Behavior or similar field. 3-5 years experience in development and administration of comprehensive range of training programs and services. Excellent teaching-training skills. Experience in adult education. Superior oral and written communication skills. Instructional design skills. Superior interpersonal skills. Send cover letter and resume to Cynthia Smithbower by 2-2-87.

RESEARCH SUPPORT SPECIALIST II (PT481) Diagnostic Laboratory

Conduct experiments to determine which viral proteins are responsible for development of protective immunity in animals and to develop rapid diagnostic tests using these proteins. Must be able to conduct experiment protocols with minimum supervision.

Requirements: Bachelor's in microbiology or biochemistry. MS preferred. Analytical techniques for nucleic acid characterizations; radioisotope training; analytical techniques for protein characterization and identification. Tissue culture techniques; virus propa-

gation and purification; immunological techniques. Send cover letter and resume to Judi Pulkinen.

ADMINISTRATIVE MANAGER (PC467) Physics-Repot

Supervise technical and secretarial staff; manage business and finances for instructional activities; plan and coordinate space renovation for department; coordinate teaching program and assistantship assignments; oversee planning and organization of public functions. Act in Chairman's absence.

Requirements: Bachelor's degree or equivalent. Minimum 2 years administrative experience, preferably in an academic environment. Good writing skills and familiarity with Physics helpful. Send cover letter and resume or call in confidence to Esther L. Smith (607) 255-6874.

COORDINATOR FOR DISABLED & VIETNAM ERA VETERANS (PA4716) Office of Equal Opportunity

Act as University's 503, 504 Coordinator and implement the program as prescribed in the 504 Self-Evaluation Plan and University Affirmative Action Plan. Work with disabled students, faculty and staff to identify reasonable accommodations they require in housing, dining, transportation, classrooms, etc. Provide financial, career and personal counseling. Develop and carry out programs to assist students in adjusting to Cornell and increase awareness of and sensitivity to the disabled and their issues. Work with disabled and veteran applicants on Cornell employment issues. Review architectural plans and meet with architectural committees to assure accessibility in new construction and major renovations. Other duties as assigned. 30 hours per week.

Requirements: Bachelor's degree or equivalent experience. Knowledge of Sections 503 and 504 of the 1973 Rehabilitation Act with Section 402 of the Vietnam Era Veterans' Readjustment Act of 1972. Previous experience in working with students in higher education. Counseling experience required. Education or experience in dealing with a wide range of disabilities and special accommodations. Experience in dealing with disabled adults and their issues, especially young disabled adults. Demonstrated excellence in organizational abilities, written and oral communications. Send cover letter and resume to Cynthia Smithbower.

PUBLICATIONS CONSULTANT AND WRITER (PC435) Publications Services

Analyze publications and communications needed to develop new publications or rework existing publications to answer identified needs and relate to overall promotional goals of university; work with campus clients to develop printed materials; analyze current publications to identify duplications and gaps; assess publications needs of university to identify materials that can be produced for those needs; work with editors, designers and photographers.

Requirements: Bachelor's degree. Excellent writing skills. Marketing or public relations experience, preferably in a college or university. Familiarity with word processing desirable. Send cover letter, resume, 3 writing samples or call in confidence to Esther L. Smith (607-255-6874) by 12-22.

Clerical

CURRENT EMPLOYEES should submit an employee transfer application, resume and cover letter. Also, if you are interested in a career development interview, please contact Esther Smith at 5-6874 to schedule an appointment. xD OUTSIDE APPLICANTS should submit an employment application and resume. Applications and resumes typically remain active for three months; typing test scores remain on file for one year. The clerical section uses an automatic referral system whereby outside applicants are referred to positions for which they are considered qualified and competitive. Unless otherwise advertised, requests to be referred to a specific position will not be accepted. Applicants who are referred to a department for review will be contacted by the department if an interview is necessary.

NOTE: OPEN INTERVIEWING FOR OUTSIDE APPLICANTS interested in clerical positions will be conducted every Wednesday afternoon from 1:00 - 6:00 p.m. in our East Hill Plaza Employment Office. No appointment is necessary, however a short wait may be required. Call Esther Smith or Lauren Worsell if you have any questions. DUE TO THE HOLIDAY SEASON, NO CLERICAL INTERVIEWS WILL BE CONDUCTED AT EAST HILL PLAZA WEDNESDAY, DECEMBER 17, 24, 31, 1986, AND JANUARY 7, 1987. THEY WILL RESUME ON JANUARY 14, 1987.

ADMINISTRATIVE AIDE, GR21 (C491) Clinical Sciences

Provide clerical and administrative support to Chairman in management of Department.

Requirements: Associate's degree or equivalent. Minimum 5 years secretarial experience. Medium typing. Excellent interpersonal, communication (written and oral) skills. Absolute confidentiality. Word-processing experience.

Minimum Bi-weekly Salary: \$539.94

LC CATALOGER, GR20 (C492) Olin Library

Catalog monographic material with Library of Congress copy on Science and Technology Cataloging Team utilizing RLIN system; with some proficiency, cataloging with RLG member library copy. Authority work, shelf listing, added volumes; data base maintenance activities. Other duties as assigned.

Requirements: Bachelor's degree or equivalent training or experience. Light typing. Highly preferred, at least 1 year's work experience in libraries, especially in technical services; academic background in the sciences. Ability to perform detailed work with speed and accuracy required.

Minimum Bi-weekly Salary: \$482.33

ADMINISTRATIVE AIDE, GR20 (C493) Computer Science

Provide administrative and organizational support for 2 senior faculty members and their respective research groups in administration of their large research projects.

Requirements: A.A.S. or equivalent. Medium typing. Work experience in a university environment or related course work. Computer skills at the level of LaTeX or ability to learn. Scientific and accounting background desirable. Technical typing, typesetting and writing skills necessary.

Minimum Bi-weekly Salary: \$482.33

ADMINISTRATIVE AIDE, GR20 (C4914) University Development

Assist Director of Donor Relations in administrative and organizational support. Research and track endowed and annually funded scholarships, fellowships, professorships and prize accounts; prepare reports to donors; assist at donor-recipient events; assist in coordination of fund raising.

Requirements: Associate's degree preferred. Medium typing. Basic writing skills. Knowledge of grammar and syntax. Strong organizational ability. Experience with complex records keeping systems. Computer terminal operation or some word processing experience.

Minimum Bi-weekly Salary: \$482.33

SECRETARY, GR19 (C496) Cooperative Extension Administration

Provide secretarial support for 2 program specialists and coordinate materials for program development and evaluation unit. Type from handwritten and other materials; file; travel arrangements. Other duties as assigned.

Requirements: A.A.S. degree or equivalent. Minimum 2 years experience. Heavy typing. Knowledge of IBM is desirable. Excellent typing, writing, interpersonal and organizational skills are required. Ability to set priorities and to work in a complex active environment.

Minimum Bi-weekly Salary: \$457.09

SECRETARY, GR19 (C497) Chemical Engineering

Provide academic and research related secretarial-administrative support. Type highly technical (equations) material; oversee completion and submission of proposals; schedule appointments; coordinate meetings; arrange travel; maintain files; answer phones; supervise students and oversee business office operations.

Requirements: Associate's degree or equivalent. Minimum 2 years related experience. Heavy typing. Excellent organizational, communication (written and oral) and interpersonal skills required. Word processing experience desirable.

Minimum Bi-weekly Salary: \$457.09

PUBLICATIONS ASSISTANT, GR18 (C494) Computer Science

Coordinate and maintain a user library of technical publications for an academic department consisting of an undergraduate, graduate program and a large computer facility. Provide clerical support for administrative offices.

Requirements: H.S. diploma or equivalent. Light typing. Work experience in a university environment or related course work. Ability or desire to learn new computer system.

Minimum Bi-weekly Salary: \$431.43

General Service

Outside applicants for general service positions should apply in person at the East Hill Plaza Employment Office, Monday - Friday, 9am - 12 noon. Phone requests and cover letters are not accepted unless specified. Regular Cornell employees should submit an employee transfer application. Employee Transfer Applications should be mailed to Bill Webster, Cornell Employment Office, East Hill Plaza, Ithaca, NY 14850.

SENIOR AIDE, GR21 (G495) NYC Extension Program-Jamaica, NY

Work with low income families and children to acquire knowledge and skills for improving nutritional quality of their diets. Maintain office procedures in absence of supervisor; train new Nutrition Aides; assist site leader as assigned.

Requirements: H.S. diploma or equivalent. Ability to read, write, and perform arithmetic functions. 2 years experience preferred.

Minimum Bi-weekly Salary: \$512.32

MAIL COURIER, SO18 (G499) Graphic Production Services-Endowed

Pick-up and deliver intercampus mail to and from designated stops. Deliver U.S. Mail. Operates out of Messenger Service Mail Truck. Monday-Friday, 8:00-4:30.

Requirements: H.S. degree or equivalent. Must be proficient in reading and writing and able to decipher poor handwriting. Clean NYS Class V driver's license required. Able to lift 50 pounds. Familiarity with Cornell Campus helpful. Previous experience with U.S. Post Office or college mail system preferred. Interested employees should submit a transfer application to Bill Webster, Cornell Employment Office, East Hill Plaza.

Minimum hourly rate: \$5.71

OFFICE ASSISTANT, GR17 (G496) Barnes Hall Post Office

Provide U.S. Postal Services to Cornell community and general public. Sell stamps, money orders, meter mail, rate various classes of mail. Maintain and balance cash drawers daily. Prepare bank statements and

provide daily accounting of business when required. Other duties as assigned.

Requirements: H.S. diploma or equivalent. Able to read and write English; basic math skills required. Knowledgeable in all U.S. and international Postal rules and regulations. Familiarity with Cornell campus helpful. Able to lift 50 lbs; prolonged standing required. Interested employees should submit a transfer application to Bill Webster, Cornell Employment Office, East Hill Plaza.

Minimum Bi-weekly Salary: \$409.53

TECHNICAL SALES ASSISTANT, GR17 (G4910) Campus Store

Sell computer manuals, software, and supplies. Maintain accurate inventory and assist in development and implementation of computer sales and inventory system. Operate computerized cash register.

Requirements: 2 years college education or equivalent. Retail experience preferred. Ability to operate micro-computers such as IBM PC, Rainbow, Apple Macintosh, Multiplan. Good communication and interpersonal skills. Other duties as assigned. Send cover letter and resume (transfer form required for current Cornell employees) to Bill Webster, Cornell Employment Office, East Hill Plaza, Ithaca.

Minimum Bi-weekly Salary: \$409.53

NUTRITION AIDE, GR17 (G491-G494) NYC Extension Program-4 positions

Work with low income families and children to acquire knowledge and skills for improving the nutritional quality of their diets. Teach mothers and youth essentials of nutrition and increase their knowledge and skills in selecting and using food.

Requirements: H.S. diploma or equivalent. Ability to read, write, and perform arithmetic functions. Knowledge of community preferred. 3 week training course required.

Minimum Bi-weekly Salary: \$409.53

CUSTODIAN, SO16 (G497) Residence Life-Endowed

Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Monday - Thursday, 7:30 a.m. to 4:00 p.m.; Friday, 7:30 a.m. - 3:00 p.m.; occasional weekends during summers.

Requirements: H.S. diploma or equivalent. Able to operate a variety of heavy power equipment, lift 50 pounds, and climb an 8 foot ladder. Basic reading and writing skills. Interested employees should submit a transfer application to Bill Webster, Cornell Employment Office, East Hill Plaza.

Minimum hourly rate: \$5.14

Technical

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

LIBRARIAN (T491) Boyce Thompson Institute

Complete responsibility for operation of small plant science oriented library. Involves ordering, processing, cataloging of theses, serials, monographs, and some government publications; requesting interlibrary loans from Cornell libraries and off-campus libraries; maintain subscriptions for approximately 125 journals; circulation of books and journals; checking of literature citations. 4 hours per day.

Requirements: MLS or equivalent experience. Ability to interact with scientific staff and assist them in meeting their library needs. Moderate typing required. Contact Greta Colavito, Boyce Thompson Institute, Tower Road, Ithaca, NY. 257-2030.

Part-Time

ADMINISTRATIVE AIDE, GR21 (C4913) Nutritional Science

Provide administrative-secretarial support for a large research group. Prepare technical manuscripts and assist with editing; grant proposals; reconcile research budgets; maintain literature file; inventory and purchase laboratory supplies. Monday - Friday, 20-30 hours per week.

Requirements: Associate's degree or equivalent. Medium typing. Secretarial experience. Scientific background. Knowledge of technical terminology. Good interpersonal and communication (written and oral) skills. Word processing experience. Knowledge of IBM PC and Wordperfect desirable. Knowledge-desire to learn computer programming.

Minimum full-time equivalent: \$512.32

COPY PREP SPECIALIST, GR20 (G498) Graphic Production Services

Serve as an operator for a Linotronic 300 and related equipment to produce photo ready copy. Communicate with customers regarding matters related to electronic composition processes. Do paste-ups and layouts to produce camera ready mechanicals. Monday - Friday, 8:00 - 12:00.

December 18, 1986

Number 49

University Personnel Services

Cornell University

160 Day Hall

Ithaca, New York 14853-2801

Requirements: H.S. diploma or equivalent. 2-3 years experience using electronic typesetting equipment and perform paste-up. Interested employees should submit a transfer application to Bill Webster, Cornell Employment Office, East Hill Plaza.

Minimum full-time equivalent: \$482.33

RECORDS ASSISTANT, GR16 (C495) Olin Library

Input original bibliographic records into RLIN database; proofread records. Other duties as assigned. 20 hours per week. Evening hours required.

Requirements: H.S. education or equivalent. Medium typing. Data entry or office experience desired. Ability to perform detailed and repetitive tasks accurately. Experience with foreign language helpful.

Minimum full-time equivalent: \$390.08

Temporary

TEMPORARY OPPORTUNITIES: Individuals qualified for temporary work and interested in clerical-secretarial: if you have experience or skills, and are interested in learning more about these opportunities, please call Lauren Worsell at 255-5226.

RECEPTIONIST (C4912) Academic Computing

Answer 3 phone lines for approximately 70 staff members; greet public; handle daily U.S. and campus mail; type, file. Other duties as assigned. Part-time casual.

Requirements: H.S. diploma or equivalent. Medium typing. Computer or secretarial related courses preferred. Some office experience required. Send cover letter and resume to Laurie Worsell.

Minimum hourly rate: \$4.00

ANIMAL HEALTH TECHNICIAN (T492) Veterinary Medical Teaching Hospital

Induction, maintenance, monitoring and recovery of large animals under anesthesia. Prepare and maintain anesthetic equipment, case, drug records and inventory, including controlled substances.

Requirements: Licensed Animal Health Technician, A.A.S. degree in Animal Health Technology. Ability to handle and restrain large animals, 2 years experience working with large animals, preferably in a clinical atmosphere. Send cover letter and resume to Judi Pulkinen by 1-2-87.

CIRCULATION-RESERVE ASSISTANT (C4812) University Libraries

Responsible for operation of Circulation Desk; handling of reserve materials; filing of loose-leaf services. Other duties as assigned. 9:00 a.m. to 1:00 p.m. Monday through Friday, until 4-30-87.

Requirements: A.A.S. degree or equivalent. Previous library experience preferred. Call Michele Draiss at 255-9560.

SALES CLERK (C433) Ornithology

General sales duties at Crow's Nest Bookshop during weekends and holidays. Open up Laboratory, register sales, answer phones, secure Lab when closing, feed birds, answer basic bird questions, oversee Lab building. Occasional Monday nights (3 hours) during seminars, alternating weekends and holidays. Part-time, temporary until October 21, 1987.

Requirements: H.S. diploma or equivalent. Light typing. Previous sales experience required. Knowledge of birds helpful. Good interpersonal skills. Enjoy dealing with people. Call Laurie Worsell at 255-7044.

Academic

INSTRUCTOR or ASSISTANT PROFESSOR (A491) Mathematics

Half-time, one-year. Submit vita, and 3 letters of reference by 1-23-87 to Professor David W. Henderson, Department of Mathematics, White Hall, Cornell University, Ithaca, NY 14853.

RESEARCH ASSOCIATE II (A492) Entomology

Submit letter of application, curriculum and biographical information, copies of transcripts and names and phone numbers of 3 references by 1-15-87 to Dr. Donald A. Rutz, Department of Entomology, Comstock Hall, Cornell University, Ithaca, NY 14853-0999.

ASSISTANT, ASSOCIATE, or PROFESSOR OF ARCHITECTURAL TECHNOLOGY (A493) Cornell Architecture

Submit curriculum vitae and supporting materials to Chairman Jerry A. Wells, Department of Architecture, 143 East Sibley Hall, Cornell University, Ithaca, NY 14853.

Jobs listed here are prepared by Staffing Services. The list of current vacancies is part of the university's commitment to promotion from within, affirmative action, and equal opportunity employment.

Employees seeking transfer to other jobs should contact Staffing Services for appropriate procedures and forms.

Employment applications are available at Cornell's employment office, East Hill Plaza (Judd Falls and Ellis Hollow roads), 9 a.m. to noon Monday through Friday. Mail completed forms to Cornell Staffing Services, 160 Day Hall, Ithaca, N.Y., 14853 2801.

This listing also is on CUINFO, the university's computerized info and the Information and Referral Center in Day Hall and other campus locations.

CALENDAR

All items for the calendar, except seminar notices, should be submitted (typewritten, double spaced) by mail or in person to Fran Appgar, Central Reservations, 531 Willard Straight Hall.

Notices must be received 10 days prior to publication and must include the name and telephone number of a person who can be called if there are questions, and also the sub-heading of the calendar in which the item should appear, i.e. dance, lectures, music, etc.

Seminar notices should be sent to arrive at the Chronicle office, Village Green, 840 Hanshaw Road, 10 days prior to publication.

These deadlines will be enforced.

EXHIBITS

Johnson Art Museum

The Herbert F. Johnson Museum of Art, located on the corner of University and Central avenues, is open Tuesday through Sunday from 10 a.m. to 5 p.m. Admission is free. The Museum will close on Sunday Dec. 21 at 5 p.m. and reopen on Saturday Jan. 17 with new exhibits. Call 255-6464 for further information.

FILMS

Unless otherwise noted, films are sponsored by Cornell Cinema. An (*) indicates admission is charged.

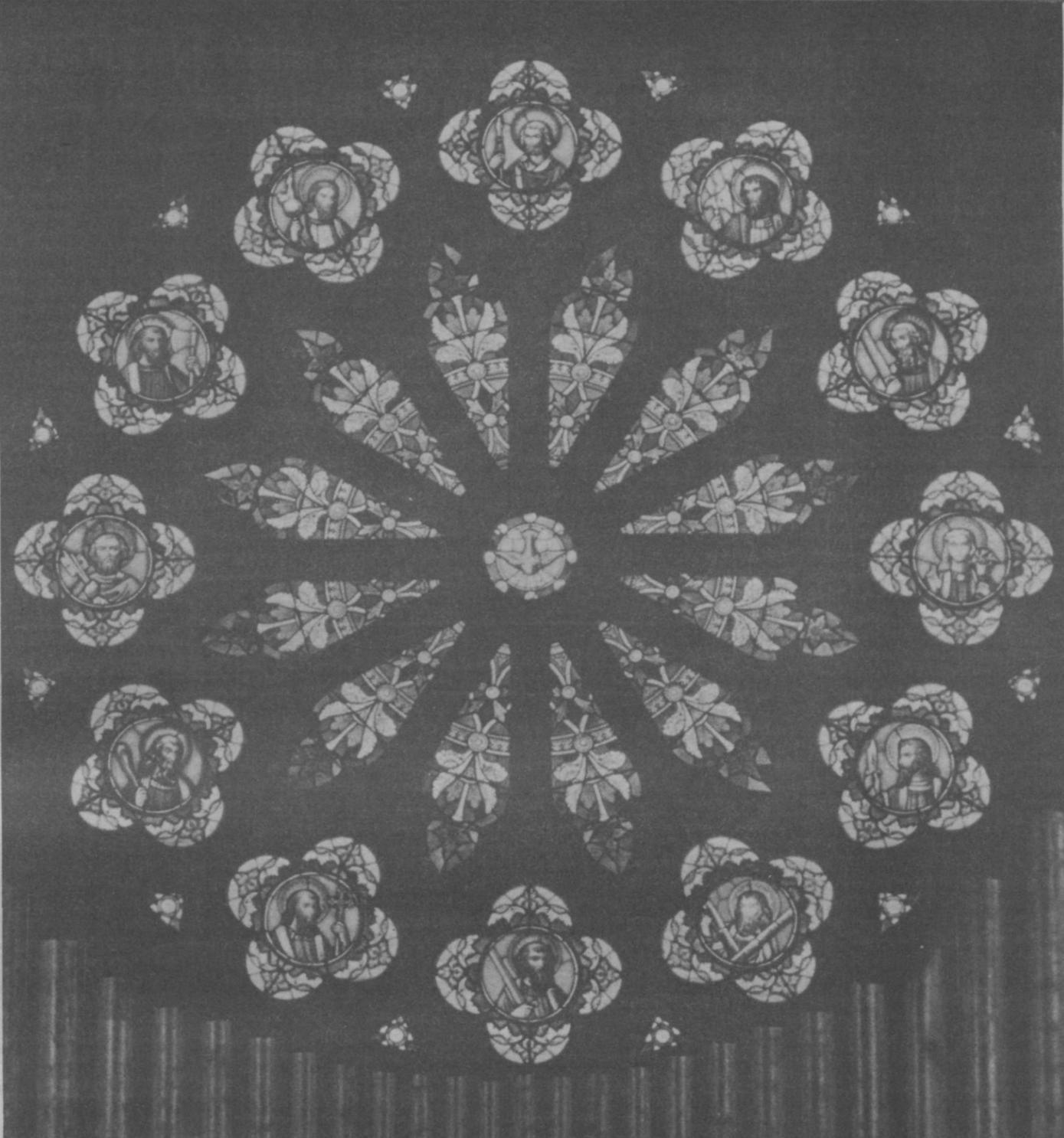
Thursday 12/18

"Last Tango in Paris" (1973), directed by Bernardo Bertolucci, with Marlon Brando. Open. 8 p.m., *Uris.

MUSIC

Bound for Glory

Phil's annual Christmas show, Dec. 21. Records from the studio... Dec. 28. Broadcast live on FM 93 on Sundays from 8 to 11 p.m. Also on 105.5 FM



Interior view of the west window of Sage Chapel and organ pipes below.

RELIGION

Catholic

Mass: Every Saturday, 5 p.m., every Sunday, 10 a.m., Anabel Taylor Auditorium. (No services on Saturday, Jan. 3.)

Christmas Eve Services 7:30 p.m. Anabel Taylor Auditorium, Midnight Mass in the Anabel Taylor Chapel, Caroling begins at 11:30 p.m.

Jan. 1 Mass, 10 a.m., Anabel Taylor Auditorium. No Daily Mass Dec. 22 through Jan. 21.

Christian Science

Testimony meeting: Thursday Dec. 18, 7 p.m., Anabel Taylor Founders Room. Last meeting until next year.

Episcopal (Anglican)

Every Sunday, 9:30 a.m., Anabel Taylor Chapel.
Dec. 24, 5:30 p.m. Anabel Taylor Chapel.

Friends (Quakers)

Sunday, 9:45 a.m., adult discussion, 11 p.m. meeting for worship, Edwards Room, Anabel Taylor Hall.

Jewish

Morning Minyan: 7:30 a.m. Young Israel House, 106 West Avenue. Call 272-5810.
Reform Shabbat Services: Dec. 19, 5:30 p.m. Anabel Taylor Chapel. Last service until classes resume.

Conservative/Egalitarian Shabbat Services: Dec. 19, 5:30 p.m. Anabel Taylor Founders Room. Last service until classes resume.
Orthodox Shabbat Service: Every Saturday, 9:15 a.m. Anabel Taylor Edwards Room.

Friday Evening, Young Israel, 106 West Avenue. Call 272-5810.

Conservative Shabbat Service: Dec. 20, 9:45 a.m. Anabel Taylor Founders Room. Last service until classes resume.

Korean Church

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

Muslim

Sunday through Thursday, 1 p.m., 218 Anabel Taylor Hall; Friday 1 p.m. Anabel Taylor Edwards Room.

Protestant

Protestant Cooperative Ministry: Services will resume Jan. 25.

SEMINARS

Biochemistry, Molecular and Cell Biology

"Role of Extracellular Matrix in Regulating the Functions of Macrophages and Endothelial cells," Sam Silverstein, Department of Physiology & Cellular Biophysics, Columbia University, 4:30 p.m., Jan. 9, 204 Stocking Hall.

Computer Science

"Scientific Acceptance of Early Computers," William Aspray, Babbage Institute, University of Minnesota, 4:30 p.m., Dec. 18, B-17 Upson Hall.

MISC

Ice Skating

Lynah Rink: Open skating hours, Monday through Friday, 1:30 to 3 p.m. until Dec. 19. On Sunday, Dec. 21, 2:45 to 4:15 p.m. and 7:45 to 9:15 p.m. For information call Lynah Rink 5-3793.

Weather Calendar

The Cornell Chapter of the American Meteorological Society presents the 1987 Ithaca Weather Calendar. Calendars are available for \$3 in 1113 Bradfield Hall or by mailing a check to: CCAMS, 1113 Bradfield Hall, Cornell University, Ithaca, NY 14853. Supply is limited.

Suicide Prevention

Suicide Prevention and Crisis Service of Tompkins County is again seeking volunteers for its 24-hour telephone hotline. The next training session begins in January and runs six weeks, meeting Monday and Thursday evenings. There will also be half-day Saturday sessions. For more information, call 272 1505.

Ithaca Rape Crisis

Ithaca Rape Crisis is accepting applications into its volunteer counselor training program. Interested women should be willing to make at least a one-year commitment. No previous experience is necessary. Contact Ithaca Rape Crisis, P.O. Box 713, Ithaca, 14851, 273 5589.

SPORTS

The men's basketball team has not had an easy time in the last few weeks.

Their first four games of the season were against Fresno State, Pan American, Notre Dame and Syracuse. Last season, these teams had a combined record of 84-35 and two advanced to the NCAA Tournament.

The Big Red didn't come away with any victories from these contests, but if their style of play against these powerhouses was any indication of future success, Cornell should do very well indeed in its upcoming games.

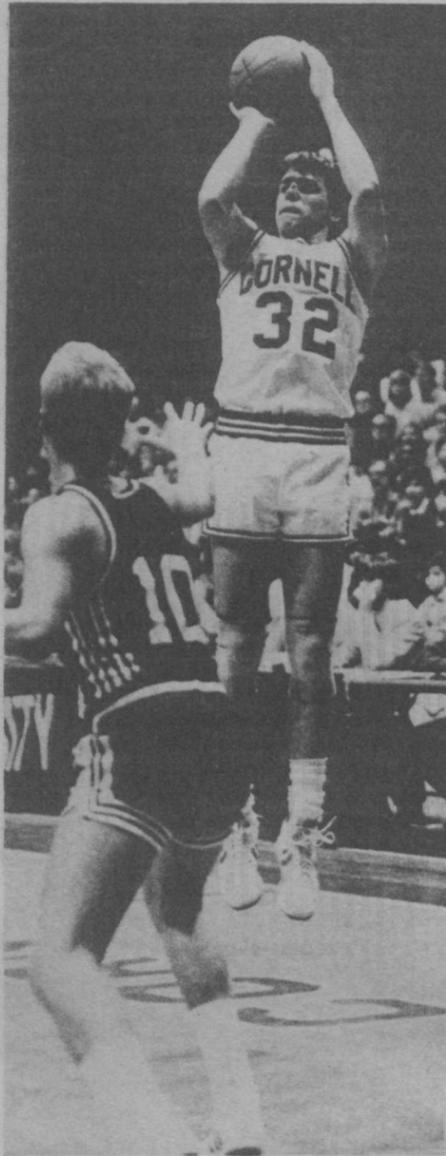
Leading the way for the Red has been senior John Bajusz, who has averaged 20 points per game. Junior Greg Gilda is second in scoring with an 11.8 average and he stands second in rebounds with 6.0 per game. Josh Wexler and James Paul occupy the next two spots in scoring at 7.3 and 5.8 points, respectively. Wexler also leads the team in assists and Wolfgang Forin leads in rebounding with 6.3 caroms per outing.

The Big Red will have a chance to show a home crowd how capable it is Dec. 20 and Dec. 22 when it returns to Barton Hall for its home openers against Castleton State and Canisius. Both games start at 7:30 p.m.

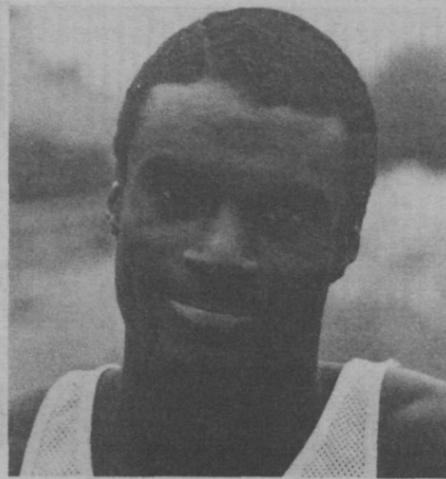
Track

The track team closed out 1986 at the Cornell Relays last Saturday by winning eight events.

Lyndon Providence led a sweep in the 55 meter hurdles with a time of 7.6 Steve Case was second and Doug Simmons was third. Cornell also swept the shot put behind the arm of Bob Litkovitz who had a 49' 5" effort for first place. Wayne Romano and Rick Neyman were second and third, respectively.



John Bajusz



Xavier Washington

The team of Sean Egusa, Lyndon Providence, Frantz Santelien and Xavier Washington ran 3:20.4 to win the 4x400 relay. Cornellians also took first and second

place in the 4x800 relay as the team of Darin Brown, Steve Peebles, Dave Sudduth and Fabius Vancini ran a winning time of 7:49.6 and Ron Fritz, Matthew Harrison, Chip Bradish and Bill Rathbun turned in a time of 7:51.6 for second place.

Judy Gitzi set a new freshman and varsity record in the shot put with a 44'6 3/4" mark, good for second place in that event. Kim Thompson and Amy Belanger took first and second place in the 55-meter hurdles with 8.6 and 8.7 respective marks. Cornell women swept the triple jump as Laura Lawrence copped the top spot with a 33'1 1/4" mark. Amy Bodek set a new freshman record in that event with a 33'1" mark, three feet better than the previous record. Kris Kick rounded out the trip with a 32'2 1/4" mark.

Cornell also took the top spot in the distance medley relay as the team of Barbara Dingee, Susan Ellis, Laura Landauer and Amy McGarry ran for a combined time of 12:36.3.

— Marcy Dubroff

Saturday 12/20

Men's Basketball-Castleton State, 7:30 p.m. Barton.

Monday 12/22

Men's Basketball - Canisius, 7:30 p.m. Barton.

Saturday 1/3

Women's Hockey - Loomis-Chaffee (exhibition) 7:30 p.m. Lynah.

Thursday 1/8

Men's Junior Varsity Hockey - Hobart 6:30 p.m. Barton.

Saturday 1/10

Men's Swimming - Navy, 12:30

p.m. Teagle.

Women's Hockey - Harvard, 2

p.m. Lynah.

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

Sunday 1/11

Men's Wrestling - Army & Corland, 1 p.m. Teagle.

Women's Hockey - New Hampshire, 2 p.m. Lynch.

Men's Junior Varsity Basketball - Broome CC, 6 p.m. Barton.

Tuesday 1/13

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

Graduate bulletin

Holiday hours: The Graduate School will be closed Dec. 25 through Jan. 1 except for Dec. 30 from 10 a.m. to 12 p.m. when the dean will be in only to accept theses.

Josephine deKarman Fellowships: One year awards of \$3,000 for any discipline, especially the Humanities. Applicants should be graduate students at least entering the third year of study or senior undergraduate students. Open to foreign students currently enrolled in a university located in the U.S. who meet the above requirements. For information contact the Graduate School Fellowship office. Deadline is Jan. 31, 1987 for application, transcripts and two letters of recommendation.

NATO Committee on the Challenges of Modern Society: Awards of up to \$6,000 to students who are qualified nationals of NATO member countries doing research related to the natural and social environment. The CCMS encourages pilot studies designed to achieve a better understanding of the adverse effects of our technology-intensive way of life on the natural and social environment, and to stimulate governments to take remedial action. For information write to the U.S. Environmental Protection Agency, 401 M Street, S.W., Washington D.C. 20460, 202-382-4875. Deadline Feb. 15, 1987.

Empire State Challenger Scholarships and Fellowships for Teachers: One year awards of up to \$4,000 are available to NY State residents. Recipients must agree to teach for the equivalent of one academic year in the following fields: mathematics, science, bilingual education, teachers of children with handicapping conditions, foreign languages, agriculture, management, and home economics. Applications can be obtained by writing to the State Education Department, Cultural Education Center, Bureau of Higher and Professional Educational Testing, Room 5C64, Albany, NY 12230. Deadline Jan. 16, 1987.

BTI establishes new lecture series

The Boyce Thompson Institute for Plant Research is establishing a distinguished lecture series to examine a wide range of research advances in biotechnology and other areas in the life sciences.

The annual series will feature 20 American and foreign scientists as speakers; the inaugural lecture is set for mid-January, BTI President Ralph W.F. Hardy announced.

"The purpose is to bring to our Institute a breadth of distinguished scientists at the rapidly expanding frontiers of life sciences to discuss the latest research advances and share the opportunity with members of the broader Cornell community as well as the general public," Hardy explained.

Hardy, whose field is life sciences and who is an authority on biotechnology, said that the lectures by scientists here and abroad will have an impact on the Institute's future research directions, with particular emphasis on modern genetic techniques and related areas of biotechnology.

"From these new thrusts in life sciences will come the technology not only to revitalize agriculture in the United States but to help developing countries become self-sufficient in food production," he said, adding that the Boyce Thompson Institute is "positioning itself to be at the frontier in facilitating this change among the developed as well as the needy nations of the world."

Two lectures will be presented each month throughout the year, except July and August, Hardy said.

The first lecture in the series will be given by Robert B. Goldberg, professor of biology at the University of California at Los Angeles. He will discuss his efforts to improve the quality and quantity of seed proteins in food plants through genetic engineering techniques.

Other scientists on the speaker list thus far are Roger N. Beachy of Washington University in St. Louis; Leroy E. Hood of the California Institute of Technology; Peter H. Quail, University of Wisconsin at Madison; George H. Lorimer, E.I. du Pont de Nemours & Co.; Thomas Kaiser, Rockefeller University; Thomas E. Wagner, Ohio University at Athens; Wendell L. Roelofs, New York State Agricultural Experiment Station at Geneva; George P. Georgiou, University of California at Riverside; and David Botstein, Massachusetts Institute of Technology.

Tentative topics include developing disease-resistant plants through genetic engineering; gene sequencing in plants, animals and humans; light regulation in plants; plant enzymes known to play key roles in photosynthesis; engineering crops with adequate resistance to herbicides; making farm animals more efficient through genetic engineering techniques; analysis of insect sex attractants at the molecular level; pesticide resistance; and fungal genetics.

All lectures will take place in the Institute's auditorium at 3 p.m. on Wednesdays. Specific dates will be announced later.

— Yong H. Kim

Barton Blotter: Student ties chicken to goalie cage

A student was referred to the judicial administrator on charges of tying a chicken to the goalie's cage at the Harvard-Cornell Hockey game Dec. 7, according to the morning reports of the Department of Public Safety for the period Dec. 5-7.

Brothers of Delta Upsilon fraternity were also referred to the J.A. for discharging a fire extinguisher on the third floor of 6 South Ave., causing a fire alarm to go off Dec. 5.

Five harassing phone calls, one labeled obscene, were reported by students in dormitories during the seven-day period.

There were 14 thefts with losses in cash and valuables totaling \$1,423 reported. Six thefts were of \$198 in cash taken from

wallets and purses. The largest cash theft was of \$85 taken from the purse of an Ithaca College woman while at 109 McGraw Place. More than \$900 in jewelry was also reported missing in the theft.

Other thefts reported on campus included a \$450 VCR taken from Schoellkopf Hall, a backpack with contents valued at \$205 stolen from Sage Dining Hall and a \$120 radar detector taken from a car broken into on campus.

The tires on six cars, five Cornell-owned, were slashed in the parking lot at the rear of East Hall Plaza sometime Dec. 6 or 7. Damage was set at \$720.

A fir tree valued at \$50 was taken from the Hydraulics Laboratory area.

Flu shots offered

The Gannett Health Center is administering vaccines against this season's crop of influenzas, including the "new" Taiwan flu.

Cornell students and employees in high-risk groups should be immunized by their physician or by the campus clinic, according to Dr. Allyn B. Ley, director of the Gannett Health Center.

A trivalent vaccine, which has been administered in recent years for several common strains of flu, is recommended for adults in high-risk groups — those with severe heart or lung disease or chronic metabolic disorders such as diabetes and asthma — as well as otherwise healthy persons age 65 and over, Ley said.

In addition, high-risk individuals under age 35 should receive a monovalent vaccine specifically against the Taiwan flu, the health center director said. The Taiwan flu which surfaced last year in Asia, primarily affects younger people who have not developed resistance to an related strain of influenza the last time it appeared. Trivalent vaccine is not effective against the Taiwan flu.

The flu shots are available to students, faculty and staff members. There is a charge of \$9 per shot. For more information, call the Gannett Health Center at 255-5155.

Cornell donates tower

Cornell may have saved Tompkins County as much as \$18,000 by being a good neighbor, according to one member of the county's Board of Representatives.

James A. Mason (R-Ulysses), chairman of the board's public safety committee, said the university's donation of a used lighting tower from Schoellkopf Field will help link the new county-wide microwave communication system for fire, police, emergency and municipal operations.

A water tower in the Village of Trumansburg was supposed to support one of the microwave relays, but it did not meet technical specifications, Mason said.

A university crew took down the lighting tower last month and the county will transport the 110-foot steel tower to the relay site in Trumansburg.

Tompkins County expects to have its microwave communications system in operation in January, Mason said.

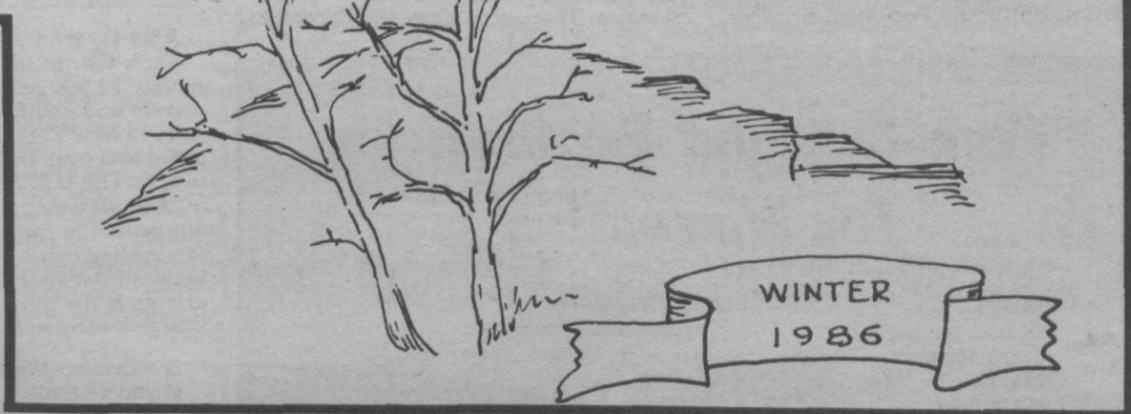
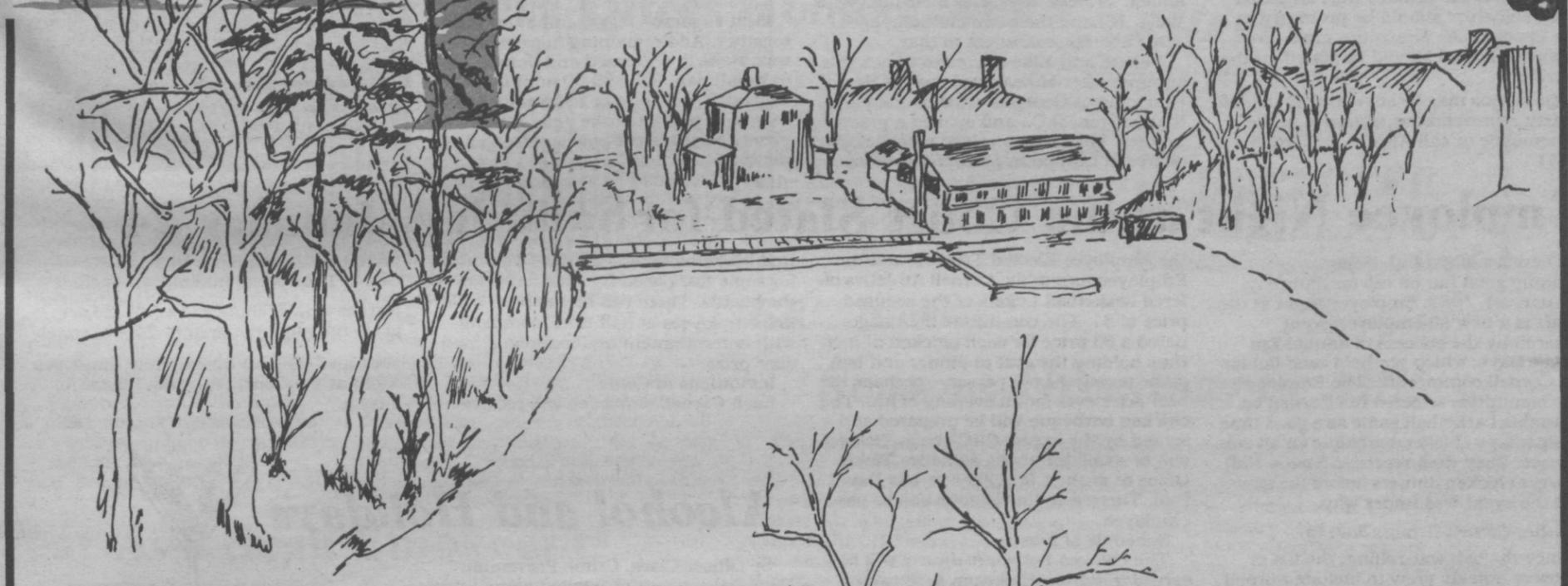
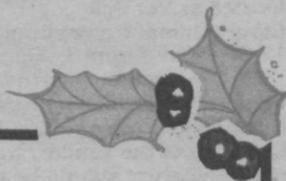
Networking

A Cornell Newsletter Published by Employees for Employees

Volume 7, Number 16

Thursday, December 18, 1986

HOLIDAY ISSUE



J. BENDER

Holiday Greetings

As the holiday season approaches, we want to thank all of you for your hard work and cheerful dedication to Cornell throughout the year. The skills and sensitivity you bring to your individual tasks contribute substantially to Cornell's stature in higher education and to the spirit of caring and concern that makes this campus a true community.

May your holidays be filled with joy of the season, and may you and your loved ones be blessed with peace and fulfillment in the new year.

With all good wishes,

Frank Ruoss

Bill Herbert

Bob Barker

One of Cornell's greatest strengths is its diversity - of people, programs, and perspectives. The thread of commonality among these differences is the caring, dedication and commitment which is so much a part of the Cornell community - at all times of the year. Each of us contributes to Cornell's excellence. As this year reaches a close, the staff of University Personnel Services and I extend our best wishes for your health, happiness and success in the new year.

Cheryl Engle



Lehigh Safety Shoemobile on Campus

The Lehigh Safety Shoemobile will be on campus Friday, December 19, 1986, located at Vet College "T" Barn (east of Large Animal Clinic) from 9:30am to 12:00pm and from 1:00pm to 3:30pm.

To receive the departmental reimbursement for safety shoes, an L-order (local pickup order) using Lehigh Safety Shoe Co. as the vendor, with an authorized signature should be presented at the Shoemobile. Maximum monetary amount allowed should be stated on the L-order.

Questions may be answered by the Life Safety representative stationed at the shoemobile or call Alex L. McCord, 5-3741.



"Please don't be turned off by this prune cake recipe," says Valerie Valla '79, an administrative aide in the University Development Office.

This is an old Italian recipe passed down through many generations by her husband's family. It was then given to Valerie by her mother-in-law.

"The cake is very moist and delicious — you'd never know that prunes were added," Valerie says. Her husband, Mike Valla '76, and their two children, ages three and six, can attest to that.

Valerie and Mike moved to Ithaca this summer after Mike completed his dental education at Georgetown University in Washington, D.C., and opened a practice in town. Mike also received a bachelor's degree at Cornell in natural resources.

Food for Thought

by Nancy Mozenter Simmons

while Valerie received her undergraduate degree in community service education.

When Valerie and her family were selecting a place to live, Ithaca was their first choice for many reasons, including its beauty. But the primary reason is Mike's love of fly fishing. Maybe we'll have to encourage Mike to share a fish recipe with us in the future.

Prune Cake

2 c. sugar
1 c. oil
3 eggs
1 c. buttermilk
1 t. baking soda
1 c. cooked prunes (32 chopped)
1 c. nuts
2 c. flour
1 t. salt
1 t. allspice
1 t. cloves
1 t. nutmeg
1 t. cinnamon

Beat sugar, oil, eggs, and buttermilk together. Add remaining ingredients and mix. Bake in a greased and floured tube or bundt pan. Bake 50-60 minutes at 325 degrees F. Let cool for ten minutes and then turn out onto cake dish. When completely cooled, sieve powdered sugar over the top.

Turkey Talk

With the holidays upon us, here are a few fat facts about poultry:



POULTRY (per 4 oz., roasted)	CALORIES	FAT (tsp.)
Duck, with skin	384	7.3
Duck, without skin*	229	2.9
Goose, with skin	348	5.7
Goose, without skin	271	3.3
Turkey, light, with skin	187	1.2
Turkey, light, without skin	160	0.3
Chicken, light, with skin	253	2.8
Chicken, light, without skin	197	1.2
Chicken, dark, with skin	288	4.1
Chicken, dark, without skin	234	2.5
Ground turkey (3 oz.)	191	2.5
Lean ground beef (3 oz.)	230	3.4
Chicken hot dog (1)	116	2.0
Beef or pork hot dog (1)	144	3.0
Turkey bologna (2 oz.)	114	1.8
Beef or pork bologna (2 oz.)	178	3.6

*Chicken and turkey figures apply to broilers and fryers because they are most widely available.

Sources: USDA Handbook #8-5, #8-10, #8-13.

Employee Night at the Court Slated for Saturday, January 24

There's a night full of slam dunking good fun on tap for Saturday, January 24, 1987. Employee Night at the Court is a new all-employee event inspired by the success of annual Employee Days, which are held each fall for the Cornell community. The Employee Day committee selected the Cornell vs. Columbia basketball game as a good time to organize a chicken barbeque for all employees. They then reserved Barton Hall to serve chicken dinners before the game, and the event was under way.

Other Cornell Groups Join In

Once the ball was rolling, the list of sponsors quickly grew to include Cornell Athletics, University Personnel Services,

the Employee Elected Trustee, and the Employee Assembly. Cornell Athletics offered basketball tickets at the reduced price of \$1. The committee then negotiated a \$3 price for each chicken dinner, thus holding the cost of dinner and ball game to only \$4 per person — perhaps the best price ever for an evening of fun. The chicken barbeque will be prepared and served by the expert CRC chefs. Tickets will be available at the Athletics Ticket Office or at the CRC Office in 165 Day Hall. There is a limit of four tickets per employee.

Schedule of Events

The chicken barbeque dinner will be served in Barton Hall from 4:30 to 6:00pm. Then, at 6:30pm the Cornell Big

Red basketball team will face Columbia for some fast-paced Ivy League action on the boards. There will be a tribute to Cornell employees at half time, complete with entertainment and a drawing for a door prize.

Invitations to Come

Each Cornell employee will receive an

invitation to Employee Night at the Court. The special mailing will include further details about the event. So set aside the night of January 24 and watch your mail for your invitation to Employee Night at the Court. You won't want to miss it.

Alcohol and Holidays



by Officer Clark, Crime Prevention Unit, Department of Public Safety

Why Do We Care?....

Each year in this country approximately 22,000 people are killed by drunk drivers and another 550,000 injured. Locally in New York State over 650 are killed and over 18,300 are injured annually. The U.S. has the highest number of alcohol-related fatalities, per capita, of any nation in the world. Alcohol is also the leading cause of death for Americans between the ages of 16 and 24. Drunk driving is the third leading killer in the U.S. following heart disease and cancer.

If a Drinker Wants to Drive....

If you've invited friends, care for them as friends, and don't let them drive intoxicated! It may take some convincing but it's worth it. Give them a place to sleep, or provide for a safe ride. Remember, only time can make someone sober again! Not coffee - not a cold shower and not a walk in fresh air. Once alcohol is in the blood, only time can remove it. It's not what you drink, but how much you drink. A general, safe guide is one drink in one hour, however, remember everyone responds differently. Example: If your blood alco-

hol content (BAC) is .10% or more, you could be charged with driving while intoxicated. .06 through .09 is driving while impaired. To sober up, your blood alcohol content is reduced at the rate of .02% an hour. So if your BAC is .10% it will take approximately three hours to bring it down to legally acceptable driving limits.

Party Hosts' Legal Liabilities....

When a drinking-driving accident occurs after leaving an establishment or any social event, the victim(s) of the crash may sue the provider of the alcohol. Also, any person who provides, condones, or allows alcohol to be served to any nonfamily member under the age of 21 can be charged with unlawfully dealing with a child, a misdemeanor.

We Care....

Public Safety wishes you a happy holiday season, and urges you to be a responsible host and guest. Let this holiday season be one of life's happy memories.

Transfers and Promotions for November

NAME	DEPARTMENT
Ann Argetsinger	Cooperative Extension
Judy Atcheson	University Personnel Services
Lorraine M. Barry	Geneva
Mary Borra	Unions & Activities
Carol S. Brewer	Chemical Engineering
Karen E. Canfield	University Personnel Services
Charles H. Carver	Geneva
Juleene A. Conner	Agronomy
Sandra T. Cook	Rural Sociology
Marsha Cox	Biological Sciences
Laurie Dean	University Personnel Services
Nancy D. Dickson	University Health Services
Jill P. DiMauro	Career Center
Ellie Doty	University Personnel Services
Cindy Fitzgerald	University Personnel Services
Erica Fox	ILR
Jere L. Furcha	Building Care
Billie S. Gabriel	Electrical Engineering
Merilee C. Grey	Hotel Administration
Linda E. Haylor	Media Services
Carol H. Kautz	Neurobiology
Amy N. Knapp	Human Ecology
Margaret L. Landau	Transportation
James S. Lawrence	Campus Store
David Lippincott	Graphic Production Services
Debra A. Mack	Unions & Activities
Cheryl A. Mallaber	Geneva
Christina Martin	University Development
Suzanne M. Miller	Neurobiology
Sharon A. Millick	Cornell Dining
Margaret Murray	Chemical Engineering
Gregory Pepe	Public Affairs
Laurie Roberts	University Personnel Services
Karl F. Schmid	Maintenance and Service Operations
Rebecca Sparrow	Biological Sciences
Yvonne M. Sterling	Nutritional Science
K. A. Stockton	Psychology
Penny L. Swayze	Registrar
Gerald S. Thomas	University Personnel Services
Carolyn Vander Welde	Agricultural Engineering
Donna S. Vantine	Media Services
Lorraine A. Weisser	Unions & Activities
Lauren Worsell	University Personnel Services
David S. Yeh	University Personnel Services
Edward P. Zieba	University Libraries

DSA List of Winners in 1986

by Peg Landau

The editorial board of Networking once again proudly congratulates the 1986 Dedicated Service Awardees. These individuals were recognized individually during 1986. The Board asks the University community to join us in expressing our best wishes and sincerest appreciation to these twelve dedicated employees. Thank you for your dedicated service and contributions to Cornell University.

MONTH	AWARDEE	DEPARTMENT
January	John Wilcox	Maintenance & Service Operations
February	Betty Porterfield	Geneva, Experimental Station
March	Fred Ward	Poultry & Avian Science
April	Pam Archin	Biometrics
May	Carlos Hernandez	Arecibo Observatory
	Rau, Alvarez	Arecibo Observatory
June	John O. Blizzard	Pharmacology
July	Gwen Campbell	Equipment Inventory Control
September	Dave Sondak	Equine Drug Testing
October	Elinore Zupanic	Care of Buildings
November	Vicki Griffin	Human Development & Family Studies

Station Employee Continues "Noel for the Needy"

Most of us get our Christmas spirit sometime after Thanksgiving, but not Bob Nellis, a five-year farm service worker at the Experiment Station in Geneva. Bob is the founder and perpetuator of Noel for the Needy, a fifteen year old service which reaches out at Christmastide. He, his wife, Audrey, and three remaining children at home muster their spirit the day after the previous Christmas. You'll see why they must.

Service organizations, merchants, and individuals know of the value of Noel and the gap it fills for those who would go without. Last year Nellis and two other Santas in full costumes delivered 300 poinsettias to the elderly, 30 complete turkey or ham dinners, and 3,000 new and refurbished toys to approximately 1,000 children in Ontario, Seneca, and Yates counties. Organizations representing hundreds of members work quietly throughout the year to support the cause.

Toys often reach Nellis 51 weeks before the big day. "If it weren't for all the help, we couldn't walk through all the doors that we do," remarked Bob.

"Churches and scout troops have toy drives, school faculties donate money, Marcus Whitman School's industrial arts department repairs dolls and dresses them. Nurseries donate poinsettias and then give us substantial discounts, too," he added.

Nellis, 42, began Noel for the Needy in 1971 and reached "35 to 40 families that year," by his recollection. Why does an individual start a one-man Christmas agency? His answer is direct: "Nobody believes in Santa Claus because there is so much commercialism. I started 15 years ago to put the spirit and meaning back into Christmas. It's important to give to people who expect nothing and can't give anything back."

Why do Nellis, his family, and other volunteers work countless hours throughout the year for Noel for the Needy? Bob explains, pointing to a photograph of an appreciative elderly woman receiving a poinsettia. "This was her last Christmas."

And from this thank-you note: "For these seven 'boat people,' you became the good ambassador of what Americans are, at their very best."

And from an overwhelmed mother of a girl who received a bicycle: "This is the only Christmas she'll have."

As we in the Finger Lakes settle into the Christmas spirit in earnest, Bob Nellis takes pride in two new areas of growth for his program. "We're growing here, and my son, Bob Jr., who was raised in this program, is now in his second year of Noel for the Needy; in Sunnyvale, California." A good idea will grow anywhere.



HAPPY HOLIDAYS
from the
EMPLOYEE ASSEMBLY

American Cancer Society Offers Holiday Aid to New Ex-Smokers

Smokers who kicked the habit for the Great American Smokeout and want to stay quit for good face an interesting challenge -- the upcoming holiday season, complete with temptations to overindulge, and all kinds of stresses and pressures that might lure new exsmokers back to cigarettes. But, the American Cancer Society is offering help to prospective quitters, in the form of a free brochure, "How to Stay Quit through the Holidays."

The brochure offers hints on how new exsmokers can overcome daily obstacles, avoid party "jitters" that could lead to a return to cigarettes, cope with crowds, and deal with smoking friends and relatives who might try to force the quitter back into the fold. Tips on avoiding weight gain, despite the tendency to

binge during the holidays, also are included.

"The holiday season might not seem like the best time to quit cigarettes," said Susan Buehl, Great American Smokeout coordinator of the Society's Tompkins County Unit. "But considering all the celebrating that goes on during this time of year, it might be easier to keep your outlook positive. And, because people are busier at this time, their minds are off cigarettes."

According to Buehl, new exsmokers should view Thanksgiving as a special holiday. "Thanksgiving fell exactly one week after the Smokeout," she said. "On Thanksgiving, quitters celebrated a full week away from tobacco." "By the time Chanukah, Christmas and New Year's roll around, new exsmokers will be much

more comfortable with their new status," Buehl added.

The brochure is available without charge from the Tompkins County Unit of the American Cancer Society, 111 South Fulton Street, Ithaca, NY 14850, or by calling 273-0430.

CRC News

Seasons Greetings to All!!

The annual CRC holiday dinner dance was held on December 6th at TC3 in Dryden. The food was delicious, it was a great evening and it appeared that all enjoyed themselves. The fellowship and enthusiasm of the CRC members is contagious. The winners of the raffle were: Ellen Hamilton, \$100; Perry Harris, \$50; Brad VanDerZanden, \$25; Annette Sutfin, two tickets to Cornell vs. Harvard hockey. The winner of the microwave oven raffle was Dick Long. Congratulations to all.

The Children's Christmas party will be held on Saturday December 20th at Helen Newman Lounge from 1-2:30pm. All children and grandchildren of CRC members are welcome. We do need a head count so please let the CRC Office know if you plan on attending. Donations of cookies are always welcome. This year the party will be more informal. Stop by anytime during the stated time, talk to Santa.

have some cookies and punch, get a picture taken with Santa for \$1.00. Hope to see you there.

Employee Night at the Court. Keep the date of January 24th open. CRC will need plenty of volunteer help to cook, serve, and clean up for the chicken barbecue to be held on that date. This event will be a fundraiser for the park fund. Why not donate some time. Leave your name with Peggy in the CRC Office, 5-7565.

Acapulco trip, March 23-30, 1987. Sign ups have begun for this event. A \$100 deposit is required to register. All final payments are due by February 7, 1987. Act now - there are only a limited number of places available.

A roast beef dinner dance is planned for Saturday, March 21, 1987. This fundraising event will be held for the park fund. It's a great evening of fun, food, and dancing. Plan on joining us.

Great American Smokeout

Ann Rider, of Ithaca, quit smoking on the Great American Smokeout Day four years ago and hasn't picked up a cigarette since. She started the habit about ten years ago because of a stressful job. She was smoking a pack a day when she quit. She had tried to stop once before, but that lasted about nine months before she started up again.

The American Cancer Society's Great American Smokeout finally motivated Ann to quit for good. She saw the advertisements for the Great American Smokeout and didn't smoke for that day. Then she decided to quit cold turkey.

Ann doesn't think it has been hard to keep away from cigarettes. She said, "I feel the urge to smoke on rare occasions, but not very often." Ann feels she is much healthier now. "Food smells and tastes better. My legs stopped aching in the mornings very soon after I quit."

Ann believes that to quit you have to really make up your mind that you are going to do it. "You have to want to take care of yourself and live a healthier life," she said. The Great American Smokeout meant a lot to Ann. "I feel so much better about myself. I feel more in control over my life," she adds.

Life Safety Services Christmas Tree Safety Recommendations

Each year thousands suffer injury, burns and death due to holiday decorations and carelessness. Trees, lights, ornaments and fireplaces produce extra hazards in our homes at a time when the

hectic season may distract us from safety. Enjoy the holiday season.

The Cornell University Department of Life Safety Services offers the following advice for a happy holiday.

If you buy a natural, cut tree, check for freshness. Shedding needles are a sign of dry tree and a serious hazard. Fresh needles won't break when bent.

Once the tree is home, keep it outside until you can decorate it.

Cut off the base of the tree one to two inches and place it in a stable holder. Keep the holder filled with water and keep the tree away from heat.

Never place the tree in an exitway or blocking any means of egress.

Check all lighting for safety. Look for frayed or broken areas where wires are exposed. Damaged sets should be disposed of and replaced. Do not chance repairing.

Keep bulbs away from curtains and flammable materials.

Never use candles on your tree.

No more than three sets of lights should be on an extension cord. Overloading cords can overheat and start a fire.

Keep the connections away from the water base and use Underwriters Laboratory (UL) listed cords of the correct size.

Use weatherproof outdoor lights and cords for outdoors. These sets are not de-

signed for extended use or prolonged exposure, so take them down as soon as the season is over.

Unplug all lights and blow out all candles before leaving the house or going to sleep.

Do not use real candles in the windows, use electric ones listed by UL.

Keep all ornaments, candles and cords away from children and pets.

Remove tree as soon after the holiday as possible and when large amounts of needles begin to fall off. Dry trees can burn like a torch.

Do not burn trees, decorations or wrapping paper in your fireplace. Wrappings and evergreens burn rapidly and throw sparks which can set the roof on fire.

And finally, if you're still looking for the special gift, consider giving the "gift of life," a smoke detector for those who do not have one, and another one for those who can never have enough.

On behalf of the entire staff of the Department of Life Safety Services, may you have the merriest and safest holiday season ever. Merry Christmas.

Life Safety Lines is a presentation of Cornell University Life Safety Services in cooperation with Networking. Questions and comments should be addressed to L.S.S. Ernie Thurston, Life Safety Services, Toboggan Lodge, Cornell University.



Unclassified Ads

1. Please submit all unclassified ads to Networking Unclassifieds, 240 MVR - no phone calls please.
2. For our information your name and campus phone number MUST be submitted with ads. Otherwise your ad will be omitted.
3. All unclassified ads are free of charge to Cornell faculty, staff and students and will be printed in the order received as space permits.
4. Please limit your ad to 30 words or less. If an ad is longer than 30 words it may be shortened by the Networking staff.
5. Unclassified ads are for nonbusiness purposes only.
6. The deadline for the January 15th issue is January 5th.
7. If an error appears in your ad, please resubmit the ad to be published in next available Networking.

For Sale

1982 VW Rabbit, exc cond, 50k miles, asking \$3500. John 5-5936 or 539-7406.
 1982 Honda 250 CC, good cond. (607) 756-2567 anytime after 5pm.
 1982 Chevette, exc cond, standard trans, snow tires, 28k miles, \$3,200. Helene 5-6122 or 257-0585.
 1981 Subaru GL 4 door, 96k but in exc cond, no rust, everything works, rubber good, AM-FM radio, moving, must sell, asking \$1300. 273-5060 or 5-4901.
 1980 Ford Mustang, exc cond, inside and out, no rust, many new parts. 753-9192 after 6pm or 5-1911 days.
 1979 Nova hatchback, body-engine good, \$1400-offers; 1978 Nova, engine good, some rust on body, ready for winter, \$550 OBO. 564-9375 or 5-8545.
 1978 Chevy Luv pick-up, low mileage, tool boxes and ladder rack, \$650. 272-4631 eves.
 1975 Chevy Van fully customized, runs great, 80k miles, \$1200; Corby trouser press, great gift, hardly used, \$50 (\$175 new); large fan, \$10. 5-7180 (office) or 253-1880 (homes).
 1974 Chevy Malibu Classic station wagon, 83k miles, runs well, rusty but dependable, snows mounted on extra wheels, can be seen at Tailmadge Tire, Ithaca, \$500 OBO. 5-8575.
 1971 VW Superbeetle, good snow car, little rust, good cond, \$600 OBO. Carol 5-7855 or 257-2088.
 1961 International dump truck, 2-spd rear axle, gas engine, very good cond, \$2900-offers. 564-9375 or 5-6143.
 Two 155 SR 12" snow tires mounted on Honda Civic wheels; 1979 Dodge Omni, 67k miles, air cond, automatic, Arizona car, little rust. Donna 5-6358 days or 844-4577 eves.
 Red bug deflector-shield for full-size truck, \$25; 4 white

Unclassified Ad Address Change

Send all ads to Donna Updike, 240 MVR

No phone calls please.

fancy rims, \$120-all; 2 new Montgomery Ward Stocker all season radials, \$150 pair. Donna 5-3564.
 Rowing machine, sells new for \$120, 1 year old, \$50. Becky 347-4308.
 Bicycle, girls, 26", 10-speed, with fendero, \$25 OBO. Carol 5-7855 or 257-2088.
 Technics tape deck, needs new head, if you do electronic work this is for you, \$15 OBO. 5-8065 days or 257-5492 eves.
 Piano-Everett Studio model, blonde finish, exc regulation, appraised at \$1800. John 5-5936 or 539-7406.
 Player piano, double wall-hugger recliner chair, 56" round maple table, red chaise lounge chair, will hold until Christmas. 257-1257 after 5pm.
 Schilke Trumpet MII, silver, exc cond, case and mouthpiece included, \$325. (315) 364-7559 after 7pm.
 Vic 20 computer, paddles and joystick, 3 games; 8 games and joystick for TI computer; Garrard B1 turntable, automatic changer. 253-3411 or 539-6146 and make offer.
 Morrow MD-3 computer, including word processing, accounting, and programming software, letter quality daisy-wheel printer plus ribbons, disks and disk file, \$700 OBO. Anna 5-5883 (6:20am-3:45pm) or 272-6834 (7pm-9pm and weekends).
 Electric stove, good working cond, \$75 OBO. 273-7420 eves.
 Ten year old avocado refrigerator, frost-free, runs well, \$75; twin size bed with box springs and one year old Sealy mattress, \$75. Jean 5-6107 or 273-6281 after 5pm.
 Montgomery Ward's humidifier, floor model, like new, \$50 (new \$120). 5-5790 days or 589-6662 eves.
 1986 model Sears gas dryer, only used one month, almond. 753-9192 after 6pm or 5-1911 days.
 G.E. food processor, exc. cond, \$30. Donna 387-6787 after 5:30.
 1939 Pathe Victrola, working, includes records, \$110; 1941 Zenith floor model radio, rebuilt, \$90, features 3 bands; 1939 Philco table radio, multi-band, \$25; several table models; also 12' bay window, \$75. Dave Armstrong 5-4289.
 Trestle table, dark pine, seats 8-10 people, 2 cptsn, chairs, 4 straight chairs; King size bed frame with walnut headboard. Sally 5-5647.

Vanity, 1920's with elegant 3 section mirror, 4 drawers, \$65. 272-8795 or 273-1763.
 Triple dresser with mirror, 56" long, \$60; cast-iron, 4-lid wood-coal stove, top 21"x21"; \$75; library table, \$65; household items. 272-7687.
 Attic stairs, fold-down with handrail (older sturdy type) 26"x60". \$50 firm. 272-8795 or 273-1763.
 Wedding gown, seed pearl hat, size 5, never worn, very elegant, \$75 OBO. 272-8795 or 273-1763.
 McCormick-Deering cream separator, floor model .3, working \$75 OBO; Babcock milk tester and oxen yoke. 387-6507.
 200 cm Custom II Paramout Yamaha skis with MRR Marker bindings; 200 cm Custom GRX Paramout Yamaha skis with MRR Racing Marker bindings. 5-5164.
 Child's cross-country skis, fit ages 3-5, bindings fit any snow boot, used twice, new \$40, asking \$20. 272-0171
 Locke country ranch home, 2 bdrm, full basement, 3 car garage, many extras, \$30s. Just minutes north of Ithaca. Chris 5-8917 days or (315) 497-0659 eves.
 Must sell Pinto pony mare, 44", rides-drives, great with kids, \$325-offer, will hold until Christmas. 564-9375 or 5-8545.
 Gorgeous Palimino mare, registered Quarter horse, possible double registry, personality plus, perfect Christmas gift for advanced beginner-4-H'er. Shown English-Western, \$600 without equipment, \$750 with equipment. 272-0037 or 5-8180.
 Horses - Morgans and Anglo-Trakheners. 347-4308. FREE
 To good home, Tortoise shell spayed female cat, 2 years old, good mouser, gets along well with dogs. Becky 347-4308.
 To good home, one year old black Lab mix puppy, good with children, very affectionate, indoor-outdoor dog, needs a lot of exercise. 898-4614 after 6:00.

Refrigerator, 12-16 cubic feet, good to exc cond, reasonable price please. 272-8795 or 273-1763.
For Rent
 One bdrm apt in quiet, private residence, walk to Cornell, separate entrance and off-street parking, no pets, avail Jan. 1, \$550 includes utils. 273-1577 or 5-8545.
 Avail. immediately, 2 bdrm unfurnished apt in quiet West Hill neighborhood, near bus line, ideal for couple. Bill 273-1173 or leave name and number.
 Three bdrm half-house avail. Jan. (or earlier) to July 1987. Very well kept and modern, close to Cornell, shopping, and city buses, washer and dryer, pet ok, parking. 5-2467 or 273-8887.
 Avail. Jan. 2 bdrm in spacious sabattic home, convenient Northeast location, seeking two mature grad students, nonsmokers, references, \$225 per person, share utilities, will also consider renting entire house to family. 257-3803.

Carpool

Would like to carpool from Speedville Old 76 Rd to Cornell, will share driving or ride, 8-4:30 or 8:30-5:00, willing to drive to your home for ride. Leanna 5-1320.
 Really need ride for winter months from Five Mile Drive (13A) to Malott Hall, 8-4:30. Ruth 5-7599.

Instructors Needed

For Fall '86 Experimental College. Teach your favorite hobby, skill or pastime. Positions open to faculty, staff, students and entire Ithaca community. Share your talents! Pick up application in Room 538, Willard Straight Hall or call 5-7131. Deadline is January 7, 1987.

Employee Attitude Survey

Thanks to all of you who participated in the Employee Attitude Survey and contributed your time to share thoughts and concerns about the working conditions at Cornell. There are still a few days left before the survey results will be evaluated and if you haven't replied yet and would like to please send your completed survey back to SRI now.

Health Care Plan for Endowed Employees Rate/Benefit Changes

Recently participants in the Cornell Health Care Plan for Endowed Employees received a mailing at the home address concerning benefit and rate changes. Benefit Change Effective August 1, 1986

Under a new federal law referred to as COBRA, employees and their covered dependents now will be able to request a temporary extension of the endowed health care plan when certain events occur. Normally these events would trigger a termination of the coverage.

Examples include an employee's separation from service, a divorce, and a child's graduation from college. In some instances, the endowed health care plan already provides an extension.

Although there will be no immediate impact for most participants, it is important to note the new rules. Additional copies of the official notice may be obtained from Employee Benefits at 130 Day Hall or by calling 5-6885.

Rate Increase Effective January 1, 1987

A review of the medical utilization and costs for 1985-86 has verified that the

health care plan contributions must be adjusted.

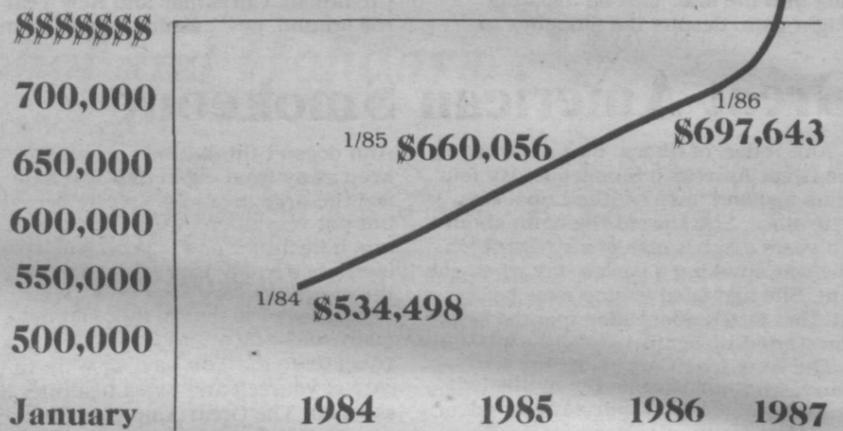
The University again will cover the full cost of single participants and increase its contribution toward family coverage. The biweekly employee contribution for family coverage will go from \$28.69 to \$32.42. The contribution for families in which both spouses are endowed employees will be \$18.29, an increase from the current cost of \$16.19. The new rates will be reflected in the January 15, 1987 exempt paycheck and the January 22, 1987 nonexempt paycheck.

The cost of the endowed health care coverage is basically the total amount spent by faculty and staff for medical services, plus an administrative fee for processing the claims. Approximately \$.95 out of every health care plan dollar goes toward payments to hospitals, doctors, and other medical providers.

The chart illustrates the increase in monthly costs over the past three years. During 1987 our claim costs are expected to increase at a rate four times the Consumer Price Index.

Just For Your Information

MONTHLY ENDOWED HEALTH CARE PLAN COST FOR JANUARY



1978 Form W-4 - Employee's Withholding Allowance Certificate

The Tax Reform Act of 1986 made many changes to the federal tax law that could affect your taxes for 1987. Therefore, the amount of federal tax that will now be withheld from your pay may not be the amount you desire. So that Cornell will not withhold too much or too little tax from your pay, you should submit to Cornell, a new form W-4. On or after January 5, 1987, the W-4 forms can be obtained from your department or unit payroll representative.

The new W-4 form will take effect at the earliest in January 1987, and the law requires every employee to file a new form by October 1, 1987. Delays in mak-

ing the forms available to employers prevented Cornell from distributing them sooner.

Employees may see an increase in their January 2 and January 8, 1987 take-home pay under the new percentage method withholding tables just released by the IRS.

As the Payroll Department obtains further details on federal tax withholding, they will be shared with the University community. Questions regarding withholdings should be addressed to Endowed Payroll (5-5194) or Statutory Payroll (5-2033).

Employee Calendar

Events of Particular Interest to Cornell Employees

Saturday, December 20. CRC Children's Christmas party in Helen Newman lounge. Call the CRC Office at 5-7565 for more information.

December 29 - January 4. CRC Walt Disney World trip. Call the CRC Office at 5-7565 for more information.

January 15. Employee Assembly meeting. All employees welcome, 12:15 in B-8 Roberts Hall.

March 23 - 30. CRC Acapulco trip. Call the CRC Office at 5-7565 for more information.

Networking Deadlines

- January 5 for January 15
- January 19 for January 29
- February 2 for February 12
- February 16 for February 26
- March 2 for March 12
- March 16 for March 26
- March 30 for April 9
- April 13 for April 23
- April 27 for May 7
- May 11 for May 21
- May 25 for June 4
- June 8 for June 18
- June 22 for July 2
- August 3 for August 13
- August 31 for September 10
- September 14 for September 24
- September 28 for October 8
- October 12 for October 22
- October 26 for November 5
- November 9 for November 19
- November 23 for December 10
- December 14 for December 24

Cut along this line and give this form to your employer. Keep the rest for your records.

Form W-4 Employee's Withholding Allowance Certificate OMB No. 1545-0010	
Department of the Treasury Internal Revenue Service	
For Privacy Act and Paperwork Reduction Act Notice, see instructions. 1987	
1 Type or print your full name	2 Your social security number
Home address (number and street or rural route)	3 Marital Status <input type="checkbox"/> Single <input type="checkbox"/> Married <input type="checkbox"/> Married, but withhold at higher Single rate <small>Note: If married, but legally separated, or spouse is a nonresident alien, check the Single box.</small>
City or town, state, and ZIP code	
4 Total number of allowances you are claiming (from the Worksheet on page 3)	
5 Additional amount, if any, you want deducted from each pay (see Step 4 on page 2)	\$
6 I claim exemption from withholding because (see Step 2 above and check boxes below that apply):	
a <input type="checkbox"/> Last year I did not owe any Federal income tax and had a right to a full refund of ALL income tax withheld, AND	
b <input type="checkbox"/> This year I do not expect to owe any Federal income tax and expect to have a right to a full refund of ALL income tax withheld. If both a and b apply, enter the year effective and "EXEMPT" here	
c If you entered "EXEMPT" on line 6b, are you a full-time student? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Under penalties of perjury, I certify that I am entitled to the number of withholding allowances claimed on this certificate or, if claiming exemption from withholding, that I am entitled to claim the exempt status.	
Employee's signature	Date 19
7 Employer's name and address (Employer: Complete 7, 8, and 9 only if sending to IRS)	8 Office code
	9 Employer identification number

UNIVERSITY PERSONNEL LIAISON
Laurie Roberts

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