

CORNELL Chronicle

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4-5

SUMMERTIME RESEARCH

College undergrads are spending the summer conducting research at Cornell's Nanofabrication Facility.

7

With 5 months left, Campaign exceeds \$1.25 billion goal

By Jacquie Powers

Cornell officials have announced that the Cornell Campaign has exceeded the \$1.25 billion mark.

"I cannot imagine better news for the entire Cornell community, or more vivid testimony to the strength and loyalty of Cornell's alumni and friends," President Hunter Rawlings said.

"That dollar goal seemed daunting when we set it in October 1990, but we achieved it because of your support, hard work and dedication. It is a spectacular accomplishment," said Harold Tanner '52 and Robert

A. Cowie '55, campaign co-chairs.

More than 22 percent of the university's current endowment of \$1.3 billion was generated as a result of the campaign. The endowment per student increased by more than 70 percent, from \$38,652 to \$65,594. By permanently endowing more than 116 positions, including 69 professorships, the Campaign has enhanced Cornell's ability to attract and retain the best people. And by endowing 714 undergraduate and 181 graduate scholarship funds, it has helped Cornell continue to admit the best students, regardless of financial need.

"Perhaps even more important, the cam-

paign has shown others that the university's future, in essence, depends on all of us. The efforts of faculty, staff, alumni and friends have helped us attain an unparalleled momentum," Tanner and Cowie said.

"As a new president, I feel buoyed by the campaign's success. It provides precisely the resources we need to attract and retain the best students and faculty, and to give them the tools with which to do their best work," Rawlings added.

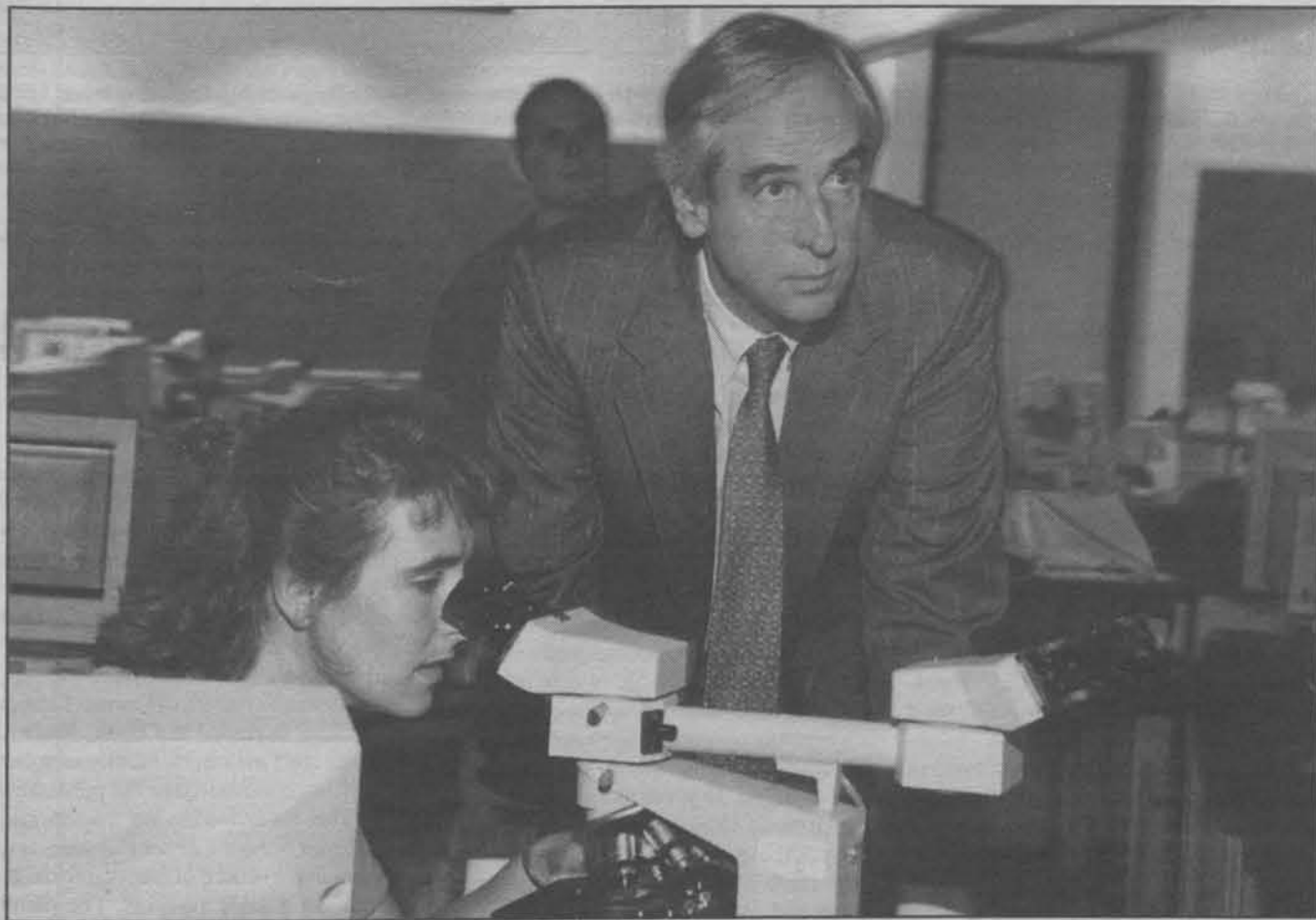
The attainment of the overall target for the campaign does not mean that the campaign itself is completed. It will continue until its scheduled conclusion on Dec. 31.

Although the dollar goal has been reached, several of the campaign's specific objectives still need to be met. When President Frank H.T. Rhodes announced the campaign in October 1990, he cited the words of the visionary philosopher Alfred North Whitehead: "Great dreams of great dreamers are never fulfilled; they are transcended."

"We continue to need your help to transcend our original vision. As we welcome President Hunter Rawlings, let us set our sights high. Much more must be — and can be — achieved in the remaining months of the campaign," Tanner and Cowie said.

Continued on page 2

Looking and learning



President Hunter Rawlings looks at the projected image of a microscope slide as second-year Cornell veterinary student Amy Sachs views the same image using a dual-headed microscope. Rawlings toured the Veterinary College's Irving W. Wiswall Learning Laboratory, which features interactive video and computer equipment used in the college's new professional curriculum. Looking on is second-year veterinary student Joseph Wakshlag.

Frank DiMeo/University Photography

Mike Schafer named men's hockey coach

Mike Schafer, 32, an associate hockey coach at Western Michigan University, will return to his alma mater as the head men's hockey coach at Cornell. The announcement was made July 21 by Charles H. Moore, director of athletics. Schafer replaces Brian McCutcheon, who held the position since 1987.

In making the announcement, Moore said, "All through the interview process, Mike Schafer showed his passion for the game of college hockey and working with student-athletes. Mike is a caring coach who represents the quality, character and excellence we want for Cornell hockey. As a former Big Red player and assistant coach, he knows what our institution and hockey program are all about. He also brings a varied and successful background in Division I recruiting, and we look forward to his leadership in that area. Mike has the credentials to lead the men's hockey team into the 21st century."

The new head coach is pleased to be returning to his alma mater. "When I left Cornell, I had mixed emotions because I loved the hockey program, and the Ithaca community meant a great deal to me," Schafer said. "On the other hand, it was a tremendous opportunity to go work with Coach Bill Wilkinson in a new environment. I felt that coaching in a different league would benefit my professional development. Being a head coach has always been a goal of mine, and now it has become a reality. And it's even better — returning to a great university such as Cornell; it's like returning home."

A 1986 graduate of Cornell's College of Agriculture and Life Sciences with a major in business management and marketing, Schafer was a four-year letterman on defense for the Big Red and a two-year captain. He capped his collegiate career by leading the skaters to the ECAC championship and a No. 5 ranking in his senior year.

After graduation Schafer was named a Big Red assistant coach in September 1986. He was instrumental in recruiting 14 players who were National Hockey

Continued on page 2



Schafer

Eisner lobbies Congress to preserve biodiversity

By Roger Segelken

At a time when basic biological research is threatened with funding cutbacks, one Cornell biologist has evolved into a political animal, stalking the halls of Congress with the message that a strengthened Endangered Species Act is necessary to preserve biodiversity.

Thomas Eisner, the Schurman Professor of Biology in the Section of Neurobiology and Behavior, has spent more time in Washington, D.C., than in the field this spring and summer. He was expecting a hostile reception to his radical notion that nature and natural habitats have hidden value, and he was prepared to talk dollars-and-cents to congressmen who seem to understand little else.

To Eisner's surprise, the most powerful man in the House of Representatives and the purported arch-enemy of many envi-

'Gingrich wants a strong Endangered Species Act and he wants the information to back it up. He has a genuine liking of nature.'

— Thomas Eisner

ronmentalists, Speaker Newt Gingrich (R-Ga.), did not need much convincing.

"Humanity has a great deal to gain from

biodiversity, and he [Gingrich] already knows this, but he feels reinforced by hearing from scientists," said Eisner, who met with Gingrich three times, most recently on June 28. "Gingrich wants a strong Endangered Species Act and he wants the information to back it up. He has a genuine liking of nature."

When Eisner visits Washington, he speaks as chairman of the Endangered Species Coalition, an organization of like-minded conservation groups that includes the Sierra Club, Environmental Defense Fund and the National Audubon Society. He also speaks with the authority of more than 30 years' research experience in a field of which he is an acknowledged pioneer

Continued on page 6

NOTABLES

William F. Anderson, senior administrator of the Department of Food Science in the College of Agriculture and Life Sciences, has been elected vice president of the Institute of Management Accountants (IMA) for 1995-96. Anderson was elected at the IMA's 76th Annual Conference held June 18-21 in San Antonio. He served as president of the IMA's Ithaca Cortland chapter from 1987 to 1988. IMA is the world's largest organization of management accountants and financial managers.

BRIEFS

Drive through the Octopus much? Cornellians who want the latest information on areas under construction can access a daily newsletter on the World Wide Web. Just visit <<http://wordpro.com/octopus>> for daily updates, posted by the New York State Department of Transportation. Questions about the project may be made to Larry Selan of the DOT, 272-5296.

Help a child: Cornell Cooperative Extension's 4-H Urban Outreach program is seeking donors to help send a child to summer camp at 4-H Acres on Lower Creek Road. A donation of \$50 will allow a child to attend camp for one week; \$15 will help provide garden and art supplies for campers. For more information, contact the 4-H program at 272-2292.

Watch your step: The New York State Vehicle & Traffic Law requires that where sidewalks are provided it shall be unlawful for any pedestrian to walk or jog along and upon an adjacent roadway. Where sidewalks are not provided, any pedestrian walking or jogging along and upon a highway shall when practicable walk or jog only on the left side of the roadway or its shoulder facing traffic which may approach from the opposite direction. Upon the approach of any vehicle from the opposite direction, such pedestrian shall move as far to the left as is practicable.

Ornithology sale set: The Lab of Ornithology will hold its annual inventory disposal sale Saturday, July 29, from 9 a.m. to 4 p.m. Deep discounts have been taken on clothing, jewelry, feeders, stationery and other items. The sale allows the lab to make room for its fall inventory.

CORNELL Chronicle

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It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, sexual orientation, age or handicap. The university is committed to the maintenance of affirmative action programs that will assure the continuation of such equality of opportunity. Sexual harassment is an act of discrimination and, as such, will not be tolerated. Inquiries concerning the application of Title IX may be referred to Cornell's title IX (Coordinator of Women's Services) at the Office of Equal Opportunity, Cornell University, 234 Day Hall, Ithaca, N.Y. 14853-2801 (telephone 607 255-3976).

Cornell University is committed to assisting those persons with disabilities who have special needs. A brochure describing services for persons with disabilities may be obtained by writing to the Office of Equal Opportunity, Cornell University, 234 Day Hall, Ithaca, N.Y. 14853-2801. Other questions or requests for special assistance may also be directed to that office.

Cornell in times past



In this 1912 menu cover by J. Andre Smith '02, Liberty Hyde Bailey, dean of the College of Agriculture from 1903 to 1913, is approaching the state Capitol on the road from Cornell. In the dean's strong hand are a number of books he authored, his writ as chairman of President Theodore Roosevelt's Country Life Commission, his editorship of the journal *Country Life in America* and a respectful faculty. Bailey erected the model schoolhouse in the lower right corner on the site now occupied by Malott Hall.

Division of Rare and Manuscript Collections/Carl A. Kroch Library

Campaign continued from page 1

"Let us work together to create the future — for Cornell, for today's and tomorrow's Cornellians, and for all who will benefit from what they learn."

Tanner and Cowie mentioned the following priorities for the last six months of the campaign:

- **Endowment goals.** The central goal of the campaign is to re-endow Cornell for the 21st century. The campaign has now reached 85 percent of its \$595 million goal, but \$90.5 million still is needed to reach that target.

- **Scholarship goals.** New reductions in federal and state student aid mean that there is a need to keep focusing on scholarship support if Cornell is to continue to attract the best students.

- **Facilities goals.** Major renovations are needed in some of Cornell's historic buildings to stay current with safety codes and

meet changing technological and instructional needs.

- **College goals.** The last six months will be critical to the Cornell schools and colleges that still are working to achieve their goals, including the College of Engineering, the College of Arts and Sciences and the Johnson Graduate School of Management.

- **Unrestricted gifts.** Gifts given to Cornell without spending stipulations allow the university to take advantage of new opportunities that arise from advances in technology and are key to remaining competitive.

"Continuing the campaign at full speed through Dec. 31 gives us an unprecedented opportunity to reach those unmet goals of the campaign and to meet pressing needs that have arisen since the campaign was launched. We are confident that with your help we will succeed in transcending our dollar goal," Tanner and Cowie said.

Hockey coach continued from page 1

League draft choices, two of whom became All-Americans. He also handled the Cornell junior varsity skaters from 1986 to 1988. During Schafer's coaching tenure with the Red, the skaters had ECAC final four appearances in 1989 and 1990.

The new Cornell head coach left his alma mater in 1990 to become an assistant at Western Michigan of the Central Collegiate Hockey Association (CCHA) and was promoted to associate coach in 1994. At Western he was recruiting coordinator, handled team administrative responsibilities and had on-ice duties of working with the defensemen.

Four of his recruits were named to the CCHA All-Rookie team, including the only Rookie of the Year Western Michigan has ever had. In 1993-94 Western received an NCAA bid for the first time since 1986.

During his playing career at Cornell, Schafer appeared in 107 games for the Big Red, scoring 70 points on 10 goals and 60 assists. He helped lead the team to a share of the Ivy League crown for three straight seasons.

He was the recipient of the team's Ironman Award for two seasons and was the winner of the Cornell Hockey Boosters Award as a sophomore. Mike also served as president of the Red Key Society, Cornell's athletic honorary society, and was the recipient of the ECAC Medallion for academic excellence and athletic prowess.

A Durham, Ont., native, Schafer played junior hockey with the Guelph Jr. A. Holody Platers, finalists in the Centennial Cup for the national championship in 1982.

Schafer is married to the former Diane Composti, and they have a son, Luke.

Career planner wins award

Patricia Matteo, assistant director of career services at Cornell's Johnson Graduate School of Management, and Vikki Bowes, a former recruiting coordinator at the Johnson School, won an Award of Excellence from the National Association of Colleges and Employers (NACE) for their career planning handbook for M.B.A. students.

Richanna Patrick of Cornell Publications Services designed the book. More than a dozen staff members, faculty members and students contributed to the publication.

The award-winning handbook, *The Johnson School Career Planner*, is a comprehensive source of career information for Johnson School students. The planner, in combination with the Johnson School's Career Services Office (CSO) workshops, helps students learn how to contend effectively in a competitive job market by performing a self-assessment of career goals and mastering interview skills. It also includes information students need to be successful in their career search, such as on- and off-campus recruiting information for companies and guidelines for networking.

Each section of the planner is self-contained, so students need not read the whole planner to take advantage of its offerings. Quotes from sources as diverse as CEOs, Forrest Gump and Ben & Jerry of Ben & Jerry's Ice Cream are sprinkled throughout the guide.

The career planner was distributed not just to current Johnson School students, but also to alumni CareerNetwork volunteers, thanks to a gift from alumnus Henry P. Renard, A.B. '54, M.B.A. '55.

This fall Matteo intends to expand the planner by featuring articles by students and alumni about their career experiences.

The project will be featured in a special section of NACE's *Journal of Career Planning and Employment* in the fall.

Deadline nears for state retirement incentive program

University officials are reminding employees that the deadline for signing up for the state's retirement incentive program is Friday, Aug. 4, and are urging that interested and eligible employees consider the program.

"Strong participation in the incentive retirement program is required to hold layoffs to a minimum in the current year and 1996-97," said John Hartnett, director of finance and business services for the statutory colleges.

The retirement incentive program for members of the various state retirement systems was sponsored by the governor and legislative leaders in late April to help offset significant state budget reductions for 1995-96 and attempt to reduce the number of layoffs necessitated at Cornell and elsewhere around the state.

While the state budget adopted June 7 did not cut Cornell's allocation as deeply as

had been feared, the \$5.1 million reduction in monies to the university was significant.

"The budget as finally adopted will necessitate continued fiscal restraint in the statutory colleges, but the approval by the Legislature of the retirement incentive program has substantially helped cushion the adverse impact on employees of the appropriations reductions," Henrik N. Dullea, vice president for university relations, said in June.

Dullea noted that the statutory colleges already have experienced layoffs as a result of the state budget cuts. And the financial picture for the current year remains grim, with the prospect of an in-year expenditure reduction in the 3 percent range.

"The governor and the Legislature have provided some budget relief in the current year, but the outlook for future years' state support looks bleak. Our current expectation is that the following year's budget will reflect the cuts delayed in the 1995-96 bud-

get," Hartnett said.

"Savings achieved through the retirement incentive will be used to meet current year reductions and the balance will be applied to the 1996-97 budget reductions," he added.

The retirement incentive program is available to members of the New York State Employees' Retirement System (NYSERS) and TIAA/CREF who are at least 50 years old and have completed a minimum of 10 years of service. Almost 1,000 statutory employees at Cornell are eligible for the retirement incentive program. More than 350 attended four informational sessions in March, but only a portion of the eligible pool so far have opted to participate, Hartnett said. More participation is required to prevent layoffs in future years.

All retirement forms must be filed with the statutory benefits office by Aug. 4,

Hartnett said. The last day to withdraw an application or a declaration of interest is Aug. 7. The last day worked will be on or before Aug. 30 with a retirement date on or before Aug. 31.

Hartnett said it is highly unlikely a retirement incentive will be made available to employees in the next year or two by the governor and Legislature. "This year's incentive provides long-term employees with recognition beyond previous state retirement incentive plans, with removal of the 37.5 year service cap," he noted. "That extraordinary extra service recognition may not be offered again."

Anyone experiencing problems securing retirement compensation estimates from NYSERS should contact statutory employee benefits at (607) 255-4455, Hartnett said. Anyone who is interested but has not yet started the process also should call the office immediately, he added.

New moms at home may be less likely to lose extra weight

By Susan Lang

First-time mothers who stay home instead of returning to work may find that they retain and even gain weight during their baby's first year, according to a Cornell study.

And of those mothers who retain at least 5 pounds over their pre-pregnancy weight by their baby's first birthday, as many as half may find that they put on significant weight six to 12 months after the baby is born.

"Interestingly, we found that women who retained and gained postpartum weight described themselves differently than women who successfully lost their extra weight," said Carol Devine, Cornell assistant professor of nutritional sciences who specializes in women's nutritional health.

"Those who gained weight said they were less concerned about their appearance and accepted their 'mommy shape' for now, unlike mothers who lost their excess weight," Devine said.

Exercise and eating patterns also were different between the two groups of women, she added.

She presented her findings at the Society for Nutrition Education July 15 through 19 in Washington, D.C.

The study followed 32 pregnant women, most employed during pregnancy, until their child's first birthday. Although preliminary, Devine said the findings were strong, supported by previous research, and likely to be corroborated by a Cornell/Bassett Healthcare study in-progress of 650 pregnant women who will be followed until their children's second birthday. She also is looking at mothers having their second babies in an effort to identify how first-time mothers are different from experienced mothers.

This study is unique because it not only followed women for one year postpartum but also looked at physical activity, diet changes and a range of biopsychosocial measures, including changes in lifestyle and body image. Other studies have measured weight and medical indications after delivery, but this study attempted to understand the reasons for the weight changes associated with childbearing.

"These weight gains appear to be related to the stressors and changes in lifestyle that occur with the birth of a baby, rather than exclusively with the physiological changes of pregnancy," said Devine. "Women who remained heavier tended to become sedentary and to put off making dietary changes to lose weight."

Women who stayed home said they didn't have to "go public" for awhile but could stay home in baggy clothes. Women who returned to work, however, were more likely to take off their extra pregnancy weight, perhaps because they were motivated to fit into their professional clothes and work routine, the researcher said.

Women who lost weight were much more likely to have a concrete plan for their diet and exercise. They also had expressed confidence during pregnancy about becoming a mother and their ability to lose weight afterwards. Women who would retain weight, on the other hand, while pregnant had expressed uncertainty about what having a baby would be like and doubts about their ability to lose excess weight after delivery.

New guidelines recommend that average weight pregnant women gain 25 to 35 pounds to minimize health risks to newborns as opposed to previous guidelines that a 20 to 28 pound weight gain was adequate. Experts are concerned, however, that if retained, the extra weight could in-



Adriana Rovers/University Photography
Carol Devine, Cornell assistant professor of nutritional sciences, found that first-time mothers who stay home instead of returning to work are more likely to retain or gain weight during their baby's first year. Standing is Wendy Wolfe, a research associate in nutritional sciences.

crease mothers' risks for developing chronic diseases. Nationally, women retain an average of 2.2 pounds per pregnancy.

The study was funded by the National Institutes of Health and the Bronfenbrenner Life Course Center at Cornell.

'Job hangover' results in high rate of executive turnover, study finds

Senior executives typically report high job satisfaction in the year after taking a new job. However, that satisfaction often decreases significantly in the second year, according to a study conducted by Cornell's Center for Advanced Human Resource Studies (CAHRS) and the executive search firm Paul Ray Berndtson.

As a result of decreased satisfaction — or "job hangover" — 42 percent of executives change positions once within two years of starting a new job at the same company or with another organization. The longitudinal study, the first published analysis of why top executives change jobs, has tracked the career moves of more than 1,400 senior-level executives from North America since July 1992.

More than four out of five executives (83 percent) who changed jobs in 1993 said they were satisfied with their new positions. However, the study found satisfaction significantly decreased in their second year in the new position. By 1994 only 69 percent of those same executives said that they were satisfied with their new job.

"The study suggests a 12-month 'honeymoon' period where senior executives experience high job satisfaction only to have this satisfaction subside the second year after changing positions," said study author John Boudreau, Cornell associate professor of human resource studies in the School of Industrial and Labor Relations. "After the dust settles and executives begin to become in-

involved in the nitty-gritty details of the new position, some of the initial enthusiasm seems to fade. This leads to a period of marked decrease in satisfaction — or 'job hangover.'"

"Change for its own sake doesn't bring lasting fulfillment on the job," said Paul Ray Jr., CEO of Paul Ray Berndtson, one of the world's largest executive search firms. "In our experience, senior-level executives who evaluate career opportunities to ensure that the fundamentals of the position are in line with their career objectives are most likely to maintain a consistent level of satisfaction. Most important, there needs to be a strong cultural match between executives and the organizations that plan to hire them."

The study shows that frequent job

changes — those executives who moved in both 1993 and 1994 — are the least satisfied before moving, but maintained relatively high satisfaction levels after the changes of position. Prior to their first move, only 45 percent of these executives expressed job satisfaction. Seventy-nine percent said they were satisfied after their first job change, and 74 percent said that they were satisfied after their second job change.

"These executives may be satisfied because they are on a 'fast track' and feel good about their achievements, or they may prefer — and find satisfaction in — change. They may also be high marketable executives who have many attractive alternatives," Boudreau said.



Ithaca welcomes the

Bonnie Blair to speak at opening ceremony

Five-time Olympic speed-skating champion Bonnie Blair will be the main attraction at the Empire State Games' opening ceremony Wednesday, Aug. 2. The 7 p.m. ceremony at Cornell's Schoellkopf Field will start five days of competition in and around Ithaca by New York's finest amateur athletes in 28 sports.

Blair earned gold medals in each of the last three Winter Olympic Games; her tally is the most ever by an American female athlete. While she has retired from speed-skating competition, Blair is active as a speaker on behalf of sports and sportsmanship. Her participation in the Empire State Games is underwritten by Skippy Peanut Butter and its parent company, Best Foods.

In addition to Blair's address, the ceremony will treat an expected crowd of 17,000, including athletes, to a variety of entertainment, including acrobatic kite flying by Winds of Change, performances by the Syracuse Scottish Pipe Band and the Genesee Quest Drum and Bugle Corps, a multimedia presentation, and a fireworks display.

The highlight of the ceremony will be the parade of athletes as more than 7,000 competitors, coaches and Games officials enter the stadium. The arrival of the torch and lighting of the flame will signal the official start of the Games. The opening ceremony is sponsored by the New York State Lottery.

The gates to Schoellkopf will open at 5:30 p.m. For ticket information call (607) 257-8500.

Shuttle Buses

Ithaca College (Textor Hall) to Coraell (Alberding Field House) and CU to IC

Wednesday: Every 30 minutes, 7 a.m.-5 p.m., 10 to 11:40 p.m.; Thursday-Saturday: Every 15 minutes, 6 a.m.-11:40 p.m.; Sunday: Every 20 minutes, 6:30 a.m.-4:30 p.m.

Bus runs begin at Alberding Field House at Cornell and Textor Hall at Ithaca College.

The Alberding bus stop serves:

- Barton Hall (gymnastics, wrestling)
- Teagle Gym and pool (diving, judo, water polo)
- Lynah Rink (ice hockey)
- Alberding Field House (men's basketball)
- Alumni Fields (soccer)
- Schoellkopf Field (lacrosse)
- North & West Campus shuttles

The Textor Hall bus stop serves:

- Yavits Field (field hockey)
- Hill Center (volleyball, synch. swim., swimming)
- Freeman Field (baseball)
- Butterfield Stadium (masters track and field)
- Tennis courts
- Dillingham auditorium (weightlifting)

To Cass Park (from CU and IC)

Thursday-Saturday: Every 30 minutes, 7:30 a.m.-9:30 p.m.

To Ithaca H.S./Boynton M.S./CU Boat House (from CU/IC)

Thursday-Saturday: Every 30 minutes, 6 a.m.-11 p.m.; Sunday: Every 30 minutes, 7 a.m.-3:30 p.m.

Cornell Intra-Campus Shuttles:

• **North Campus (from Barton Hall, CU)**

Serves Townhouse Complex, Jessup Field (archery), Helen Newman Gym (fencing - stops on request only); Fall Creek; Barton Hall and Alberding Field House area.

Wednesday: Every 15 minutes, 1 p.m.-4:20 p.m.; Thursday-Saturday: Every 15 minutes, 6 a.m.-11:45 p.m.; Sunday: Every 15 minutes, 6 a.m.-4 p.m.

• **West Campus (from Barton Hall, CU)**

Serves West Campus, Cascadilla Hall, Barton Hall and Alberding Field House area.

Wednesday: Every 20 minutes, 7 a.m.-4:20 p.m.; Thursday-Saturday: Every 20 minutes, 6 a.m.-11:40 p.m.; Sunday: Every 20 minutes, 6 a.m.-4 p.m.

Spectators may use the free shuttle service, but first priority will be given to athletes and coaches. Ithaca Transit also will be operating its regular schedule, including all normal stops.

Parking

Parking passes (\$3 per day or \$10 for the duration of the Games) can be purchased when entering either the Ithaca College or Cornell campuses. Those passes are valid at all venues.



Ticket information

Tickets for the 1995 Empire State Games are still available. Master passes are \$13 for adults, \$6 for children ages 6-12, and include entry to the opening ceremony. Day tickets are \$6 for adults; \$3 for children. For ticket information call (607) 257-8500.

Opening Ceremonies

Master passes include entry to the opening ceremony; spectators also can purchase tickets just for the ceremony itself (\$6 adults, \$3 children 6-12). On campus, tickets can be purchased through Aug. 1 at Grumman Squash Court from 11:30 a.m. to 1:30 p.m. and from 3:30 to 4:45 p.m.

ESG parking affects Co

On Wednesday, Aug. 2, the parking garage, Kite Hill, Lynah-Teagle, Alumni Field, South Morrison, TRB and B lots will be open for paid parking for the Empire State Games opening ceremonies. Cornell faculty, staff and students must move their vehicles from these parking areas by 5 p.m. on Aug. 2.

On Aug. 3 through Aug. 6, the parking garage, the Alberding metered lot, South Morrison, Lynah-Teagle, South Lynah and all Kite Hill parking will be reserved for Empire State Games officials and spectators. Those areas will be closed to faculty, staff and students.

Employees who hold F, G and H permits may park in any legal spot on campus, regardless of its letter designation. K, FF and SF permits will be valid in all O areas.

With as many as 60 events taking place simultaneously

Empire State Games



Cornell plays key role in the competition

By Ericka Taylor

Atlanta may be the site of the 1996 Summer Olympics, but the largest annual amateur athletic event in the nation, short of the Olympics, is coming to Ithaca. The 1995 Empire State Games, a statewide Olympic-style competition, kicks off Aug. 2 with an opening ceremony extravaganza on Schoellkopf Field and runs through Aug. 6.

The competition features 28 different events, including archery, gymnastics, track and field, and swimming, according to John P. McKeown, director of business operations for the Johnson Graduate School of Management, who serves as the Cornell chair for the Empire State Games. John Galt, budget director at Ithaca College, is chairman of the Ithaca College Games committee.

Competitors are divided into six regions representing the entire state, and will play as regional teams. The Games also have been separated into two divisions – scholastic and masters – so that athletes will compete against people their own age. A number of Cornell faculty, staff and students will be participating in the Games, McKeown said.

Ithaca has hosted the Empire State Games only once before – 1989 – in the Games' 18-year history. But McKeown said Ithaca will get a chance to host the Games again in the not-too-distant future. He said that the Games will now rotate annually between Syracuse, Buffalo, Albany, Rochester and Ithaca. Until 1989 the Games had been held nine times in Syracuse and twice in Buffalo.

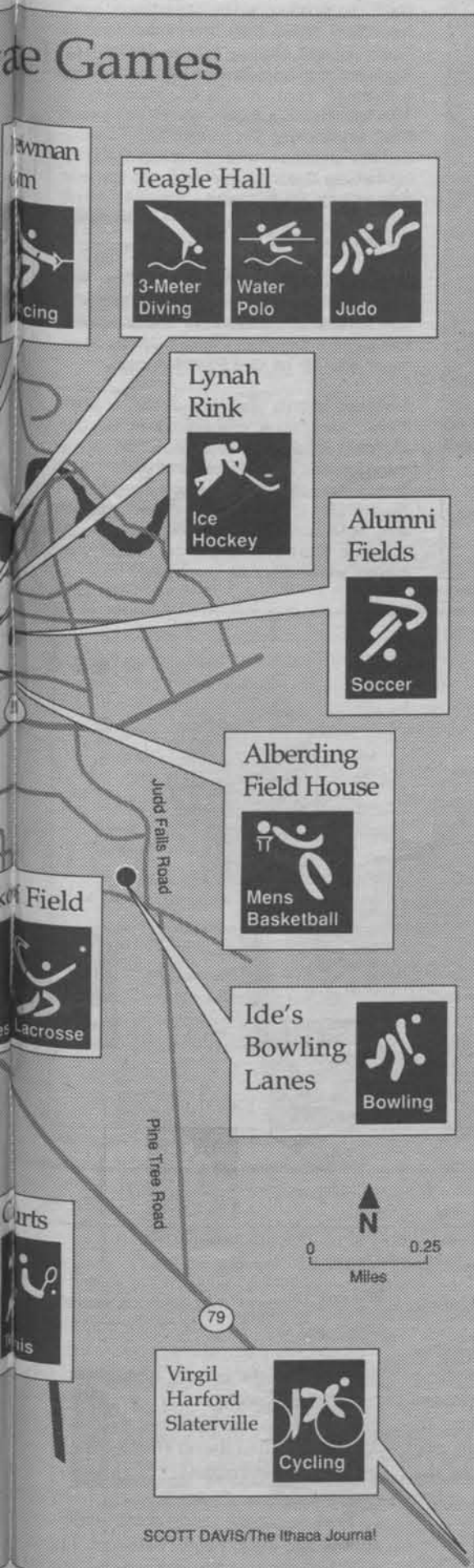
When officials started to consider that the Games were

“representative of the entire state and should be moved around,” Ithaca made a proposal and convinced then-Gov. Mario Cuomo and the state's Office of Parks, Recreation and Historic Preservation that it could handle the job, McKeown said. Thanks to the noteworthy job Ithaca did in hosting the 1989 Games, “one of the most successful Empire State Games ever,” according to McKeown, it was no difficult task to get them to return.

A local organizing committee, chaired by Cornell Controller Emeritus Jack Ostrom, has been the driving force behind organizing the Games. The 7,000 athletes, coaches and officials involved with the competition will be housed at Cornell and Ithaca College. Many of the events also will take place on various sites at the two campuses. Bringing the Games back to Ithaca was “very much a collaborative effort among both educational institutions, the city and the school district,” McKeown said, noting that general support from the community also has been significant.

The biggest single spectator event in the Empire State Games will be the opening ceremony on Aug. 2, which will feature a parade of 7,000 athletes and a presentation by Olympic Gold Medalist speed-skater Bonnie Blair. More than 10,000 people are expected to attend.

The Games provide more than an opportunity to see top-notch athletic competitions; they also “provide an economic boost to the economy,” said McKeown. He noted that hotels are booked for miles around and that spectators will bring considerable income to shops and restaurants in this “multimillion dollar endeavor for the region.”



SCOTT DAVIS/The Ithaca Journal

Empire State Games Schedule of Events

| SPORT | VENUE | THURSDAY | FRIDAY | SATURDAY | SUNDAY |
|----------------|----------------------------|----------------------|---------------------|----------------------|----------------------|
| ARCHERY | Jessup Field, CU | 8:15 a.m.-10:30 a.m. | 8:15 a.m.-2:30 p.m. | 8:15 a.m.-2 p.m. | 8:15 a.m.-12:30 p.m. |
| ATHLETICS | | | | | |
| TRACK & FIELD | Ithaca High School | 7 a.m.-3:30 p.m. | 8 a.m.-5:45 p.m. | 7:30 a.m.-1:20 p.m. | 7 a.m.-8:30 a.m. |
| ROAD EVENTS | Cass Park | 7 a.m.-8:15 a.m. | | | 7 a.m. |
| MASTERS TRACK | Butterfield Stad., IC | | | 7 a.m.-10 a.m. | 7 a.m.-9:30 a.m. |
| BASEBALL | Freeman Field, IC | 9 a.m.-6 p.m. | 9 a.m.-6 p.m. | 9 a.m.-6 p.m. | 9 a.m.-11:30 a.m. |
| BASKETBALL | | | | | |
| MEN | Alberding, CU | 10 a.m.-8 p.m. | 10 a.m.-8 p.m. | 10 a.m.-8 p.m. | 8 a.m.-1 p.m. |
| WOMEN | Ithaca High School | 10 a.m.-8 p.m. | 10 a.m.-8 p.m. | 10 a.m.-8 p.m. | 8 a.m.-noon |
| BOWLING | Ide's Lanes | noon-3:15 p.m. | 10 a.m.-4 p.m. | 10 a.m.-1 p.m. | |
| BOXING | Boynton MS | 7 p.m. | 7 p.m. | 7 p.m. | |
| CANOE/KAYAK | Cayuga Lake Inlet | 10 a.m.-12:45 p.m. | 10 a.m.-1:15 p.m. | 10 a.m.-2:15 p.m. | |
| CYCLING | Harford | 9 a.m. | | | |
| | Virgil | | | 9 a.m. | 9 a.m. |
| | CU/Palm Road | | | | |
| | Slaterville | | | | |
| DIVING | Ithaca High School | 8:30 a.m.-9:30 p.m. | 8:30 a.m.-1 p.m. | 3:30 p.m.-10:15 p.m. | 8:30 a.m.-4:30 p.m. |
| | Teagle Pool, CU | | | 3:30 p.m.-10:45 p.m. | |
| FENCING | Newman Gym, CU | 9 a.m.-1:30 p.m. | 9 a.m.-1:30 p.m. | 8:30 a.m.-3 p.m. | |
| FIELD HOCKEY | Yavits Field, IC | 8 a.m.-6:30 p.m. | 8 a.m.-6:30 p.m. | 8 a.m.-6:30 p.m. | 8 a.m.-12:30 p.m. |
| GYMNASTICS | Barton Hall, CU | 10:30 a.m.-7 p.m. | 10:30 a.m.-7 p.m. | 1 p.m.-7 p.m. | |
| ICE HOCKEY | Lynah Rink, CU | 2 p.m.-8 p.m. | 1 p.m.-7 p.m. | 7 a.m.-8:30 p.m. | 7 a.m.-noon |
| JUDO | Teagle Gym, CU | | | 9 a.m.-10 p.m. | 9 a.m.-10 p.m. |
| LACROSSE | Schoellkopf Field, CU | 5 p.m.-9 p.m. | 5 p.m.-9 p.m. | 5 p.m.-9 p.m. | 8 a.m.-noon |
| ROWING | Cayuga Lake Inlet | 7 a.m.-11:35 a.m. | 7 a.m.-10 a.m. | | |
| MASTERS | Cayuga Lake Inlet | | | | 9 a.m.-12:45 p.m. |
| SAILING | Ithaca Yacht Club | 8:30 a.m.-noon | 9 a.m. | 9 a.m. | |
| SHOOTING | Tioga County Shooting Club | 8 a.m.-9:30 p.m. | 8 a.m.-9:30 p.m. | 8:30 a.m.-9 p.m. | |
| | Dewitt Fish & Game Club | | | 9 a.m.-3 p.m. | 9 a.m.-3 p.m. |
| SOCCER | Alumni Fields, CU | 9 a.m.-4 p.m. | 9 a.m.-4 p.m. | 9 a.m.-4 p.m. | 9 a.m.-11:30 a.m. |
| SOFTBALL | Cass Park | 9 a.m.-7 p.m. | 9 a.m.-7 p.m. | 8:30 a.m.-7 p.m. | 10 a.m.-noon |
| SWIMMING | Cass Park | 9 a.m.-8:30 p.m. | 9 a.m.-8:20 p.m. | 9 a.m.-8:45 p.m. | |
| SYNC. SWIMMING | Hill Center, IC | 2 p.m. | 2 p.m.-4:30 p.m. | 3 p.m. | 1 p.m. |
| TENNIS | Ithaca College | 8 a.m.-4 p.m. | 8 a.m.-4 p.m. | 8 a.m.-4 p.m. | 8 a.m.-11 a.m. |
| VOLLEYBALL | Hill Center, IC | 9 a.m.-9 p.m. | 9 a.m.-9 p.m. | 9:30 a.m.-8 p.m. | |
| WATER POLO | Teagle Pool, CU | 6:30 a.m.-10:15 p.m. | 7:30 a.m.-2:15 p.m. | 7 a.m.-1:30 p.m. | |
| WEIGHT LIFTING | Dillingham, IC | 4 p.m.-6 p.m. | noon-6 p.m. | noon-6 p.m. | |
| WRESTLING | Barton Hall, CU | 9 a.m.-10 p.m. | 10 a.m.-10 p.m. | 10 a.m.-4 p.m. | |

This schedule is subject to change.

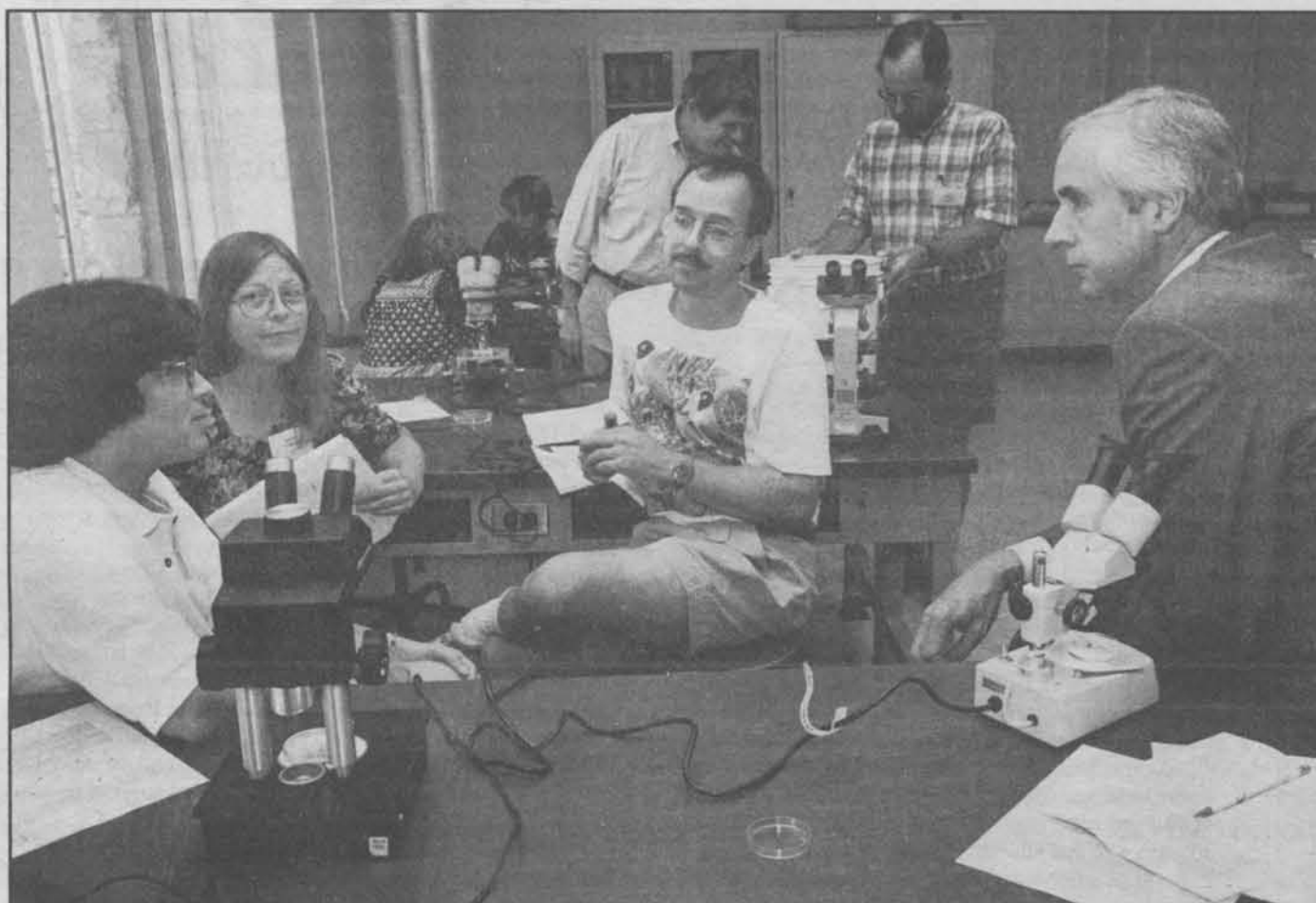
Cornell students, staff

Various sites in the area, including Cornell and Ithaca College, there will be numerous shuttle buses moving the participants from place to place.

In order to accommodate traffic, Campus Road – from Garden Avenue to Wing Drive – will be closed to all but buses, service vehicles and individuals with Empire State Games parking permits. Campus Road will close Wednesday from 5 p.m. to 10:30 p.m. Campus Road also will be closed between 7 a.m. and 6 p.m. Thursday, Friday and Saturday.

If you are interested in attending the games, Empire State Games parking permits are available for \$3 a day or \$10 for the entire event. Permits can be purchased at the Transportation Office at 255-4600, at the parking and information booths, and at the games.

Busy first month



Charles Harrington/University Photography

In his first month in office, President Hunter Rawlings has toured campus, visited with students, faculty and staff, and been introduced to some of Cornell's most picturesque sites.

At left: Rawlings meets with participants in the Cornell Institute for Biology Teachers, held at Stimson Hall. Speaking with Rawlings are, from left, Mary Colvard of Cobleskill High School, Nancy Tresner of Ithaca High School and James Blackenship, a Cornell lecturer in biochemistry. The institute, a three-week program that ends July 28, seeks to aid educators' professional development by updating their knowledge of recent advances in biology. Twenty high school teachers from across New York attended the institute.

Bottom left: Rawlings, center; his wife, Elizabeth; and Carl Gortzig, the Elizabeth Newman Wilds Director of the Cornell Plantations, look over a map of the Plantations.

Bottom right: Rawlings talks with Ezra Cornell, a life member of the Cornell board of trustees, at a reception for Rawlings held July 13 at the home of Cornell Vice President Henrik N. Dullea. Community leaders and university officials were among those invited to help welcome Rawlings to Cornell.



Adriana Rovers/University Photography



Robert Barker/University Photography

Eisner continued from page 1

and founder, chemical ecology.

The 22-year-old Endangered Species Act is due for reauthorization this year. Among the issues are whether the act should be strengthened to ensure protection of natural habitats before the organisms living there are eliminated or whether the law should be reformed to give private property owners more protection against government sanctions. Some reformers advocate curtailing the Interior Department's administration of the act and giving more oversight to state and local authorities. Others would have the act eliminated altogether.

Medical history is on his side when Eisner recounts the development of life-saving pharmaceuticals from naturally occurring substances found in organisms of little apparent value. Immune suppressants used in organ transplants, Cyclosporin and FK506, actually were "developed" by lowly molds; the anti-cancer drug, Taxol, comes from the scrubby looking Pacific yew; and Ivermectin, the worm-killing drug that prevents river blindness, was in a Japanese mold before it hit the worldwide marketplace, Eisner tells the lawmakers.

The nature-derived pharmaceuticals have made billions for their manufacturers, saved millions of human lives and created thousands of jobs, he notes. And the compounds are just a preview of what's waiting in the unexplored "chemical treasury of nature."

The Washington forays are made in the company of other distinguished scientists, such as Harvard's Edward O. Wilson and

Stephen Jay Gould. Also effective in making the case for biological conservation are samples of a small but remarkable mint plant that Eisner carries in his pocket. *Diceranda frutescens* is an endangered species with more than one reason for continuing its protection — aside from its rarity and beauty of its tiny flowers, that is.

The Florida mint plant, Cornell chemist

yet to be learned about organisms struggling to survive beneath our feet.

"That endosymbiotic fungus is saying to the plant: 'You feed me and I'll give you a free antibiotic,'" the chemical ecologist explains. "Every species has something to teach us that we cannot learn from any other. There is more information in the DNA of each species than in the entire



Eisner

'It's true biological conservation has suffered very serious setbacks, but there can be reason and discourse if we can make the scientific case for conservation. Scientific decisions should not be politicized. The scenario in Washington is complex. A real effort will have to be made if a sound conservation policy is to emerge from the debate.'

— Thomas Eisner

Jerrold Meinwald and his collaborators discovered in the late-1980s, contains a novel insect repellent, and that might have been *D. frutescens*' only claim to fame until chemical ecologists Jon Clardy and Ignacio Chapela probed further. They found that the plant also harbors an endosymbiotic fungus, a "good" fungus that produces chemicals to ward off plant-disease-causing fungi, and now Eisner uses the mint as an example of how much is

Encyclopaedia Britannica. The 21st century will be the golden age of biological exploration — if we don't destroy these organisms before we can examine them or even discover and name them."

The biological conservation message plays well to moderate Republicans whom Eisner was invited to address by New York's Sherwood R. Boehlert (R-23rd). And conservationists had reason to celebrate when

a U.S. Supreme Court decision was handed down last month, reaffirming that habitats — as well as particular species — are to be protected by the current Endangered Species Act. Eisner was one of 14 scientists nationwide to join in an *amici curiae* brief for the so-called Sweet Home case, which involved habitat of the northern spotted owl and the timber industry in western Oregon.

Still, no one who cares about biodiversity should rest easy, Eisner believes. The National Biological Survey may be crippled by proposed funding cuts and by congressional restrictions on its activities. And some House lawmakers controlling the fate of the Endangered Species Act are intent on giving private-property owners precedence over species protection. So, why is Eisner cautiously optimistic?

"It's true biological conservation has suffered very serious setbacks," he says. "But there can be reason and discourse if we can make the scientific case for conservation. Scientific decisions should not be politicized. The scenario in Washington is complex. A real effort will have to be made if a sound conservation policy is to emerge from the debate."

Environmentalists will have to listen to extreme points of view — including those of lawmakers who refused to invite scientists to congressional hearings because they think they already knew what the scientists would say — in order to seek the middle ground, Eisner added. "Now is the time for biologists to speak out."

Undergrads investigate the world of the ultrasmall

By Larry Bernard

John Gardner didn't know what a MOSFET was, never mind how to build a better one.

He had never known about evaporators, PECVD (chemical vapor deposition), fluorine and chlorine etchers, spinners and a host of other high-tech machines and tools used to build some of the world's smallest devices.

But now Gardner, 21, is on the cutting edge of technology, helping make transistors even smaller for the next generation of microelectronics. A MOSFET—Metal Oxide Semiconductor Field Effect Transistor—is the basic component of all integrated circuits, and Gardner is working on making the gate size, essentially the circuit's on-off switch, as small as possible—from the industry standard of 500 nanometers down to 100 nanometers. A nanometer is one billionth of a meter.

"This is the best thing since sliced bread," said Gardner, taking a few minutes from his research at Cornell's National Nanofabrication Facility (NNF). "I didn't have a clue what a MOSFET was. Not a clue. This has been an enormous learning experience. They give us a huge deluge of information. I love it! I saw stuff I had never seen before in a lab, and it's been tons of fun."

A senior electrical engineering major at the University of Notre Dame, Gardner came to Cornell this summer for an Undergraduate Research Scholarship at the NNF. Now he, and 11 other undergraduate students from across the nation, are up to their eyeballs in basic research at one of the country's premier facilities using state-of-the-art, high-tech research tools.

The 10-week program is made possible by a grant from the National Science Foundation, which allows a dozen students to work with Cornell faculty members and graduate students from June 5 through Aug. 11 in hands-on applications in physics, engineering, electronics, optics and optoelectronics. Also contributing to the program are industrial sponsors, Xerox Corp., Lockheed-Martin, Intel and Corning Inc. Industrial support provides additional research materials, administration costs and lab costs over the summer not covered by the NSF. The students, who must apply in an extremely competitive program, use the resources at the NNF and laboratories across campus.

The students also get six-hour intensive "Nanocourses" in lithography, practical vacuum technology, practical thin film technology and characterization of thin films.

They are just a few of the undergraduates who will present their projects at the Undergraduate Research Forum, at places throughout central campus, on Wednesday, Aug. 2. More than 80 undergraduates, about half from Cornell and half from elsewhere around the country, will participate.

Laura Pruette, 21, from Germantown, Tenn., is a senior at Vanderbilt University who began her college studies as a pre-med student and switched to electrical engineering. She has been working in materials



Ana Ortiz, a senior at Stevens Institute of Technology, is one of 12 students who received Undergraduate Research Scholarships from the National Science Foundation to participate in research projects this summer at Cornell.

science with Christopher Ober, professor of materials science and engineering, and may go on to graduate school in that field.

"I had never done any research," Pruette said. "I never really had a chance to be in a laboratory like this. It's useful to get experience in a lab. To use the machines I've read about in class has been very exciting."

She also likes the program because she is not treated like, well, like an undergraduate.

Ober, her faculty sponsor. The technology could be used on anything that needs to be imaged at submicron dimensions.

"It's not a traditional approach and we're having great success with it. It's attracting interest in the computer industry. Laura already has found some interesting things in her research. She is particularly exceptional."

Pruette's summer research, done under the guidance of doctoral student Allen Gabor,

'This has been an enormous learning experience. They give us a huge deluge of information. I love it! I saw stuff I had never seen before in a lab, and it's been tons of fun.'

— John Gardner

"I expected to be treated like an undergrad," she said. "But here, everyone is equal."

Gardner echoed the sentiment: "We're not peons. Everyone is helpful and treats our work as important."

Pruette is working on a new type of photoresist—a light sensitive polymer film that images silicon wafers in the processing of electronic devices. Using block copolymers as a photoresist, she is working on improving the methods of utilizing this new imaging material.

"We're trying to use block copolymers to really push lithographic technology," said

will pay off in another way as well: She will be co-author on a research paper to be published in a peer-reviewed scientific journal—a typical achievement for faculty and many graduate students, but rare for undergraduate students.

Ober finds undergraduate researchers particularly helpful. "It frees up a graduate student to write a thesis, yet continue with research and examine pesky problems we haven't had time to address otherwise," he said. "More important, we find it's a good way to interest undergraduates in our field as a major. Also, personally, I was hired as

a summer undergraduate long before I had enough experience, and it got me interested in what I'm doing. I think there's a strong educational component to it."

Ana Ortiz is another student doing research in nanofabrication at Cornell this summer. Ortiz, 22, from Union City, N.J., an engineering physics senior at Stevens Institute of Technology in Hoboken, N.J., is the first member of her family to attend college.

Now she is trying to find the best dimensions of metal arrays for miniature contact pads for super-small electronics. Her goal: design a contact pad made of 1-micron columns that require minimum load.

"This is something we'll need in the future," she said. Using atomic force microscopy and scanning electron microscopy, Ortiz will characterize gold and tungsten arrays that have 30-by-30 to 500-by-500 of these columns that will, one day, provide the contact for microcircuits of minuscule electronics. She is working under direction of Jack Blakely, professor of materials science and engineering, and may switch to materials science for graduate study.

"This is the very beginning, but I'm excited about it," she said. "Subsequent work will eventually lead to something that can be used. This is a great program because everyone is so helpful, and the contacts we make here we can use in the future."

Cornell's guide, *The Big Red Book*, sports splashy new look

For the first time in eight years, *The Big Red Book*—Cornell's oversized guidebook for prospective students—has a new look. The updated *Big Red Book* looks more like a slick, glossy magazine for young adults rather than a stodgy corporate annual report, which many college guidebooks resemble.

The redesign features larger pictures, snappier text and various typefaces in different color inks in an attempt to make the university's key outreach publication speak more clearly and colorfully to students.

The redesign comes after months of extensive research conducted by the Office of Communication Strategies, which organized various focus groups around

the country with prospective Ivy League students from preparatory, suburban and inner-city schools. The students, while praising *The Big Red Book*, did offer suggestions on how to do things differently.

"They didn't want warm and fuzzy photos that could have been taken anywhere," Edward Hershey, director of Communication Strategies, said. "They wanted context. They wanted a reasonable degree of candor as well, in text and in pictures."

The new *Big Red Book* provides each of Cornell's schools and colleges with a vibrant two-page spread in an attractive layout. Information about the schools and colleges begins on Page 4 in the updated *Red Book* as compared with Page 16 in the older version.

"It was our intent to introduce students to Cornell's colleges as early as possible in the new *Big Red Book*," Hershey said. "Such placement underscores their importance at Cornell."

Other changes include an index on the front inside cover, as opposed to the inside back cover in the earlier edition, and the addition of student profiles.

Something designers did not change, however, is *The Big Red Book's* size. At 13 inches x 9 inches, the Cornell guide is much larger than most viewbooks from competing schools.

"Even before students review its content, *The Big Red Book* captures their attention by being different from the others," Hershey said.

Response to the updated *Big Red Book* has been positive, he said, but noted that its real impact won't be measured until applications start rolling in.

By December about 150,000 copies of Cornell's story will have been sent to students and guidance counselors.

The Big Red Book was designed by Judith Burns, graphic designer for Cornell's Office of Publications Services, and written by Carole Stone, senior writer and consultant for the Office of Communication Strategies. Photos were taken by Charles Harrington of University Photography. Former senior associate director of admissions Deb Thyng Schmidt served as a liaison from the admissions office on the redesign project.

CALENDAR

July 27
through
August 3

All items for the Chronicle Calendar should be submitted (typewritten, double spaced) by campus mail, U.S. mail or in person to Chronicle Calendar, Cornell News Service, Village Green, 840 Hanshaw Road.

Notices should be sent to arrive 10 days prior to publication and should include the name and telephone number of a person who can be called if there are questions.

Notices should also include the subheading of the calendar in which the item should appear.

dance

Cornell International Folkdancers

Open to the Cornell community and the general public. All events are free unless otherwise noted. Beginners are welcome; no partners are needed. For information, call Edilia at 387-6547 or Marguerite at 539-7335.

July 30, 7:30 p.m., Bulgarian dances; 8:30 p.m., open dancing and requests, Maplewood Community Center.

Israeli Folk Dancing

Thursdays through Aug. 17, 8 to 10 p.m., Maplewood Park Community Center; instruction and request dancing, free and open. For information, call 272-4623.

exhibits

Johnson Art Museum

The Herbert F. Johnson Museum of Art, on the corner of University and Central avenues, is open Tuesday through Sunday from 10 a.m. to 5 p.m. Admission is free. Telephone: 255-6464.

• "Ziet, de dag komt aan: Dutch Landscape Prints and Drawings," through Aug. 6. These scenes from the permanent collection are by artists such as Jacob van Ruysdael, Jan van de Velde, Adam Pynacker and Isaac de Moucheron.

• "Ithaca Collects," through Aug. 6. This group of works borrowed from residents of the Ithaca area range from Asian ceramics to contemporary American painting.

• "The Fires of War: Paintings by Susan Crile," through Aug. 13. Crile spent several months in Kuwait after the Persian Gulf War and observed the ecological devastation of that country's burning oil fields. Her large-scale paintings and works on paper capture all the terror and awe of modern warfare and its consequences.

• "Paintings From the Boissier-Leviant-Smithies Collection," through Aug. 27. This collection presents important works by renowned Latin American painters of the late-1940s and 1950s.

• "In Celebration: Women's Rights and Women's Art," through Aug. 27.

• Sunday Afternoon Artbreak: July 16, 2 p.m.; July 30, 2 p.m.: "The Islamic Collection" with Do-cent Maryterese Pasquale.

Cornell Library

"Remembering Cornell" documents the history of Cornell with vintage photographs, memorabilia, original manuscripts and other rare materials. Designed as a walking tour, it is displayed throughout Olin, Kroch, Uris, Mann and other libraries through Sept. 9. A souvenir guide is available.

films

Films listed are sponsored by Cornell Cinema unless otherwise noted and are open to the public. All films are \$4.50 (\$4 for students), except for Tuesday night Cinema Off-Center (\$2) and Sunday matinees (\$3.50). Films are held in Willard Straight Theatre except where noted.

The Cinema Advisory Board (CAB) has one vacancy for a university staff representative. CAB members attend monthly meetings and are responsible for advising the director about programming, the budget and co-sponsorships. Please call 255-3522 for more information.

Thursday, 7/27

"Colonel Chabert" (1994), directed by Yves Angelo, with Gerard Depardieu, Fanny Ardant and Andre Dussollier, 7:15 p.m.

"Dolores Claiborne" (1995), directed by Taylor Hackford, with Kathy Bates and Jennifer Jason Leigh, 9:45 p.m.

Friday, 7/28

"Dolores Claiborne," 7:15 p.m.

"Muriel's Wedding" (1994), directed by P.J. Hogan, with Toni Collette, Bill Hunter and Rachel Griffiths, 10 p.m.

Saturday, 7/29

"Colonel Chabert," 7:30 p.m.

"Erotique" (1993), directed by Lizzie Borden, Monika Treut and Clara Law, with Kamala Lopez-Dawson and Camilla Soeberg, 10 p.m.

Sunday, 7/30

"Muriel's Wedding," 7:30 p.m.

Monday, 7/31

"The Purple Rose of Cairo" (1985), directed by Woody Allen, with Mia Farrow, Jeff Daniels and Danny Aiello, 7 p.m.

"Dolores Claiborne," 9 p.m.

Tuesday, 8/1

"Seduction: The Cruel Woman" (1985), directed by Elfi Mikesch and Monika Treut, (Note: Monika Treut will speak Aug. 3 at 4 p.m. in the A.D. White House, not at the screening of the film.) 7 p.m.

"Erotique," 9:45 p.m.

Wednesday, 8/2

"Circle of Friends" (1995), directed by Pat O'Connor, with Chris O'Donnell, Minnie Driver and Geraldine O'Rawe, 7:30 p.m.

"Clerks" (1994), directed by Kevin Smith, with Brian O'Halloran, Jeff Anderson and Marilyn Ghigliotti, 9:45 p.m.

Thursday, 8/3

"Circle of Friends," 7:30 p.m.

"Sister My Sister" (1994), directed by Nancy Meckler, with Julie Walters, Joely Richardson and Jodhi May, 9:45 p.m.



Gerard Depardieu stars in *Colonel Chabert*, making its Ithaca premiere July 27 at 7:15 p.m. at Cornell Cinema.

graduate bulletin

• **August degree deadline:** Friday, Aug. 25, is the deadline for completing all requirements for an August degree, including submitting the thesis/dissertation to the Graduate School.

• **Fall registration:** Registration is in the Alberding Field House, 9 a.m. to 5 p.m. New students only on Aug. 28; continuing students with "holds" on Aug. 29. Continuing students with no "holds" do not need to go to the field house. Check "Just the Facts" to determine if you have a "hold."

• **Fulbright grants for study abroad:** Applications are available for the 1996-97 academic year; contact R. Brashear, director of Graduate Admissions, Sage Graduate Center, 255-3912. Applicants must be U.S. citizens; completed applications are due mid-September.

music

Summer Sessions

• The Maul Girls will perform July 28 at 7:30 p.m. on the Arts Quad. Jenny Brooks, Leah Roblin, Stefanie Madden, Anne-Marie Stehn and Bobbie Dowd offer a new rock/pop sound, great harmonies and a fresh sense of humor. (Rain: Kaufmann Auditorium, Goldwin Smith Hall.)

• Flutist Jennifer Yeaton Mellits will perform Aug. 1 at 7:30 p.m. in Barnes Hall.

Bound for Glory

While renovations take place in the Commons Coffeehouse, the program will feature albums

from the studio. Bound for Glory is broadcast Sundays from 8 to 11 p.m. on WVBR 93.5 FM.

religion

Sage Chapel

Laura P. Day, assistant to the university Episcopal chaplain, will give the sermon July 30 at 11 a.m. Sage is a non-sectarian chapel that fosters dialogue and exploration with and among the major faith traditions.

African-American

Sundays, 5:30 p.m., Robert Purcell Union.

Baha'i Faith

Fridays, 7 p.m., firesides with speakers, open discussion and refreshments. Meet at the Balch Archway; held in Unit 4 lounge at Balch Hall. Sunday morning prayers and breakfast, 7 a.m.

Catholic

The summer Mass schedule, June 3 through Aug. 20, is: Saturday, 5 p.m., and Sunday, 10 a.m., Anabel Taylor Auditorium. Daily Masses will be announced weekly.

Christian Science

Testimony and discussion every Thursday at 7 p.m., Founders Room, Anabel Taylor Hall.

Episcopal (Anglican)

Sundays, worship and Eucharist, 9:30 a.m., Anabel Taylor Chapel.

Friends (Quakers)

Sundays, 11 a.m., meeting for worship in the Edwards Room of Anabel Taylor Hall. Discussions most weeks at 9:50 a.m., 314 Anabel Taylor Hall.

Jewish

Morning Minyan at Young Israel, 106 West Ave., call 272-5810.

Saturday Services: Orthodox, 9:15 a.m., Edwards Room, ATH; Conservative/Egalitarian, 9:15 a.m., Founders Room, ATH.

Korean Church

Sundays, 1 p.m., chapel, Anabel Taylor Hall.

Latter-day Saints (Mormon)

Discussions on the Book of Mormon: Wednesdays, 7:30 p.m., 314 Anabel Taylor Hall. All are invited to come and discover the religious writings of ancient American cultures.

Sunday services: Cornell Student Branch, 9 a.m., Ithaca ward, 1 p.m. For information, call 272-4520, 257-6835 or 257-1334.

Muslim

Friday Juma' prayer, 1:15 p.m., One World Room, Anabel Taylor Hall. Daily Zuhr, Asr, Maghreb and Isha' prayers at 218 Anabel Taylor Hall.

Sri Satya Sai Baba

Sundays, 10:30 a.m., 319 N. Tioga St. For details call 273-4261 or 533-7172.

Zen Buddhist

Tuesdays, 5 p.m.; Thursdays, 6:45 p.m., chapel, Anabel Taylor Hall.

miscellany

Alcoholics Anonymous

Meetings are open to the public and will be held Monday through Friday at 12:15 p.m. and Saturday evenings at 7 p.m. in Anabel Taylor Hall. For more information call 273-1541.