





# Space study set with UI's help

By Jackie Baylor  
Staff Writer

Today an experiment designed primarily by UI physicists will be launched from the Western Test Range in California into polar orbit to send back the most complete images ever seen of the aurora borealis.

The aurora borealis — the Northern Lights — looks like "dancing lights across the sky," Louis Frank, UI professor of Physics and Astronomy and principal investigator of the experiment, said Thursday.

The aurora is caused by a beam of charged particles that strikes the earth's atmosphere, causing a "flashy display of brilliant, colored lights," much in the same way electrons strike the face of a television tube to produce an image, he said.

Frank said it is not known why the charged particles are being thrown into the atmosphere.

A NUMBER of spacecraft have been launched to discover the source of the particles, he said.

Frank said the problem is that scientists have not explored the correct region of space. The UI-designed experiment will concentrate its study on space over the earth's poles.

Two spacecraft, one orbiting above the other, will be launched, he said. The lower of the spacecraft will intercept the beam.

The experimenters plan to position the higher-altitude spacecraft at the source of the beam — about 10,000 to 15,000 miles up, Frank said. They hope to gather information that will help them determine the cause of the beam,

he said.

An imaging instrument, which will photograph the aurora borealis, and the radio receiver aboard the higher-altitude spacecraft were built at the UI, he said.

Frank said the imaging instrument is the most technically advanced of its type and is the first imaging instrument to be built at the UI.

FRANK, WITH co-investigators Kent Ackerson and John Craven, UI associate research scientists in the Physics and Astronomy Department, began working on the experiment nine years ago.

The entire mission will cost approximately \$40 million, which will be paid by the National Aeronautics and Space Administration, he said.

The two spacecraft should help "better understand our relationship to the plasma environment" which is just beyond the earth's atmosphere, Frank said.

The imaging instrument will be used to discover whether or not the earth's ozone layer will survive, he said. Destruction of the ozone layer would allow more ultraviolet light to reach the earth's surface, and could cause people to become blind and have skin damage.

The imaging instrument also will be used to globally search for marine bioluminescence — microorganisms that make the surface of the water glow. Photographs would be used to determine how large the glowing patches are.

The global search experiment might also tell where schools of fish are located.



The Daily Iowan/Jennifer W. Morrow

Dr. Louis Frank displays a model of the camera to be installed in the Dynamic Explorer Space Craft to record images of the Northern Lights.

## Exam service tested with finals week rush

By Jackie Baylor  
Staff Writer

UI students may think they are the only ones who have to cram for finals week, but it is the UI Evaluation and Examination Service that begins working overtime two weeks before finals to prepare the tests.

The examination service reproduces and scores almost 200,000 tests each year. Anne Cleary, UI director of the examination service said Thursday.

The examination service weaves final exam times and classrooms with information from UI Facilities Planning and the UI Registrar's Office, she said.

A professor has three ways to prepare tests through the examination service, Cleary said.

• The professor may use questions from previous tests which are stored on an examination service computer.

• The professor's department secretary can type the test and bring the original to the examination service.

• The professor can write the test questions longhand and the service will type the original.

A 10-PAGE test pamphlet for 100 students would cost \$52.88 if it were ordered from a commercially run examination service, Cleary said. Academic departments are not billed by the examination service.

The UI examination service prints the tests and packages them for the professor, she said. The service keeps the test under lock and key in a secured room until the service hands it over to the professor or a designated teaching assistant.

The service works three to five months in advance for a professor who plans to use past questions from the service's computer, she said.

Cleary said the examination service recently completed a professor's test that will be used this fall semester's finals week.

Scoring tests begins the first day of finals week, she said. If the professor brings the answer sheet to the examination service before 3 p.m. the scores will be calculated by 10 a.m. the next morning.

## SPI board member picked

Valerie Staats, an editorial associate at UI Hospitals' Lipid Research Clinic, received 166 votes to become the new staff representative of the Board of Trustees of Student Publications Inc.

Staats, who is now one of two staff representatives on SPI board, was elected Wednesday night. The board governs the financial affairs of The Daily Iowan, and each year selects the DI editor.

SPI board has three faculty representatives, six student representatives and two staff

representatives. Staats was one of six candidates vying for the position. Margaret Donnelly, a social work specialist, received 158 votes; Kate Dickson, secretary to the director of the UI School of Religion, 134 votes; George Fisher, office manager in the UI Geology Department, 113 votes; Ilona Kay Gebhard, a clerk for the state Health Registry, 80 votes; and Madonna M. Cechota, of Media Services at Seashore Hall and the micro text room in the Main Library, 51 votes.

## Riverside still closed during commencement

A section of Riverside Drive west of Hancher Auditorium is closed. People wishing to attend commencement services at the auditorium today are advised to enter by Park Road, just north of the auditorium. Parking is available in the Hancher Auditorium parking lot.

## Killian's to change hands

Killian's Department Store in the Sycamore Mall will change hands Oct. 1, but employees will not lose their jobs, the store's assistant manager said.

The Davenport-based Petersen, Harned, Von Maur has purchased the store and another branch store in the Lindale Mall in Cedar Rapids.

Petersen's operates a store at the Westdale Mall in Cedar Rapids. This will be the first Petersen's in Iowa City. The 75 Iowa City employees will be retained by the new store, according to Bill Trautman, assistant manager.

## Jupiter, Saturn to disappear from sky

CHICAGO (UPI) — An Adler Planetarium astronomer Thursday said Jupiter and Saturn will disappear from the night sky in September, not to be seen together again until the year 2000.

James SeEVERS, an associate astronomer, said the planetarium will hold a special viewing session next Tuesday to "say goodbye to Jupiter and Saturn for a long time to come.

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# Arts and entertainment

## 'Jumpin' Jive' stab at credibility, clearly Jackson's labor of love

By Jim Musser  
Staff Writer

Give Joe Jackson credit for not standing pat. After two fairly successful ventures into Anglo reggae-pop on *Look Sharp!* and *I'm The Man*, he dumped the formula last year to come up with the stylistically more adventurous but ultimately disappointing *Beat Crazy*.

If that switch had his fans scratching their heads, *Jumpin' Jive* should leave them in slack-jawed disbelief, because on his latest disc Jackson has completely eschewed modern pop in favor of a "mellow-roonie" collection of 40s novelty jazz and "jump" blues. There's material from such wacked-out vipers as Louis Jordan and Cab Calloway, along with period pieces from Glenn Miller and Lester Young. They're not modern re-workings, either, but honest-to-goodness war-time renditions. The only things modern about this record are the sound quality and price.

JUST WHY Jackson has chosen this time to abandon ship and become a hep-cat is not clear. Maybe he sensed the "New Wave"

### Records

was sinking under the weight of no-talent screech machines and pretenders with skinny ties, or perhaps *Jumpin' Jive* represents a stab at some sort of musical credibility. No matter, what's here is clearly a labor of love.

For this tribute to reefer-addled silliness, Jackson has switched from piano to (occasional) vibes and retained only Graham Maby, one of the most versatile and propulsive bassists in pop music, from his original band. Newcomers Pete Thomas (alto sax), Raul Oliviera (trumpet), Nick Weldon (piano), Dave Bitelli (tenor sax and clarinet) and Larry Tolfree (drums) shine throughout, adding shouted backing vocals to their toe-tapping party-time jazz.

JACKSON'S thin, reedy voice, while definitely no match for the smoothness of Jordan nor the oily charm of Calloway, serves him fairly well except for the two slower tunes. His vamping on Calloway's "San Francisco Fan" is downright ludicrous, and his throaty growling on Jordan's

"What's The Use Of Getting Sober (When You're Gonna Get Drunk Again)" is simply embarrassing. The rest of the selections are uniformly good, and leave the listener switching favorites with each playing.

*Jumpin' Jive* is a unique, ambitious and even daring album. Jackson is almost certain to alienate as many fans as he makes with this LP, but a bit of style and integrity from a pop star is always welcome. If this record leaves you hungry for more, don't hesitate to go to the source. *The Best Of Louis Jordan* (a two-record set which includes two of the tunes covered by Jackson, plus "Choo Choo Ch'Boogie," "Ain't Nobody Here But Us Chickens," "Let The Good Times Roll" and lots more) is still available on MCA, and there are many reissues of Cab Calloway available at full and bargain prices.

Whether *Jumpin' Jive* signals a new career direction for Joe Jackson or is only a one-time project, it would be great if he makes at least one tour with this band. This is fun stuff, so put on a painted tie and a zoot suit with reet pleats and "reap these righteous riffs."

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## Novel is not about the supernatural; King tells tale of everyday horrors

By Michael C. Woody  
Special to The Daily Iowan

*Cujo* by Stephen King. Viking Press, 1981, 319 pages.

In the last few years, Stephen King has subjected his readers to telekinetic vampires, creatures enveloped by a mysterious mist, a haunted hotel and nuclear mutations. In his new novel, *Cujo*, King examines not the supernatural, but the everyday horrors of our own lives. The supernatural plays a very small role.

King begins the book "Once upon a time..." and continues in the fairy tale mold. *Cujo* is a huge, loving Saint Bernard. King stresses the dog is gentle and devoted and would die to protect his masters. *Cujo* playfully chases a rabbit into its nest, which

### Books

turns out to be a cave entrance. His barking awakens the cave's inhabitants — rabid bats — and *Cujo* is infected.

As the nervous system of the dog deteriorates, so do the lives of the people around the animal. The fairy tale is torn apart by nightmares, adultery, business collapse and death. The parallel rampages of the rabid *Cujo* seem almost minuscule in comparison.

THE READER IS PULLED further and further into the tale by King's easygoing prose style. King constructs the story like a storyteller entralling listeners with ghost

stories around a campfire. As the storyteller weaves his tale the reader is trapped; the terrifying path leads to a brutal final confrontation which may startle even the most experienced King readers.

While some situations will seem familiar to King's readers — notably the mother and child helplessly trapped, although this time in a broken-down car rather than a hotel or home — those who may shy away because of his reworking of a tired genre will be pleasantly surprised.

King's characterizations are strong, believable and detailed — right down to the elderly mailman suffering from flatulence. This is an engrossing novel, believable and entertaining, which is all King has ever claimed to write.

## UI classical music seminar to begin Tuesday in Austria

More than 80 vocal and instrumental musicians from the United States and Europe will meet in Eisenstadt, Austria, beginning Tuesday and continuing through Aug. 18 for the UI's annual classical music seminar. Don Moses, director of choral activities for the UI School of Music, founded the seminar in 1976 and serves as its musical director. Eisenstadt is the capital of the Austrian state of Burgenland and the site of the Esterhazy Palace, where Franz Josef Haydn was court composer and conductor for much of his career. Through the patronage of the Esterhazy family, the city became a cultural center where works by such musical giants as Beethoven and Schubert were premiered.

THE STATE OF Burgenland subsidizes the UI seminar, minimizing costs to participants. Through daily rehearsals and master classes overseen by

### Music

Austrian faculty members, seminar students become familiar with the traditions of interpretation and performance that have been preserved in Vienna. Students also perform and hear works of Haydn and other composers in the halls for which they were written and in which they were originally performed. Rehearsals and performances are held in the palace and the Bergkirche (mountain church) where Haydn was organist and for which he composed many of his masses.

Moses says performing in the old halls is an important part of learning classical performance practice. "The large hall in the palace is acoustically almost perfect," he said.

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## Taxes

percent cut on July 1, 1983, for a cumulative 25 percent cut in individual tax rates over a 33-month period. The effect of the tax cut from 1982 through 1984 for the "average family of four" with a non-working spouse and two children would be:  
• At \$15,000, the family would reduce its current \$1,233 tax liability by \$151 in 1982, \$226 in 1983 and \$281 in 1984.  
• At \$30,000, the family would cut its current \$3,917 tax liability by \$405 in 1982, \$744 in 1983 and \$914 in 1984.  
• At \$60,000, the family would cut its current \$12,634 tax liability by \$1,255 in 1982, \$2,370 in 1983 and \$2,928 in 1984.  
• At \$100,000, the family would cut its current \$27,878 tax liability by \$2,137 in 1982, \$4,648 in 1983 and \$5,822 in 1984.

## Bible

passed in Arkansas and Louisiana because it does not try to make creationism legally scientific and require that it be taught alongside evolution. UI Law Professor Robert N. Clinton

## Day care

registering with the social services department to be placed on a list of Family Daycare Homes distributed to parents. Family Daycare Homes that do register are inspected randomly by the social services department. About 20 percent of the daycare homes are inspected each year, Kramer said.

CAL HOPSON, daycare home specialist for The Department of Social Services Cedar Rapids district, is responsible for spot checks of the approximately 450 registered daycare homes in his six-county district, including 120 in Johnson County. Spot checks are the only way to evaluate the quality of Family Daycare Homes, but even those can't ensure proper child care, Hopson said. "I'm sure there are people babysitting more kids than they should," he said. These spot checks are not a risk to a registered daycare home, Hopson said, but give the daycare home director a chance to indicate to parents that he or she meets basic guidelines. He said most homes meet the requirements. Often, people are unaware that Iowa

## Fireman fired for mooning

RICHMOND, Va. (UPI) — The bare enough to show that a Columbia, S.C., fireman lost his job because he "mooned" while on no legal right to pursue his case against a federal appeals court ruled Thursday. The 4th U.S. Circuit Court of Appeals agreed with U.S. District Judge Robert F. who dismissed the case brought by John H. without hearing any oral arguments. Chapman said McLean hadn't shown that been unconstitutionally deprived of his right. McLean was fired in 1979 for the incident he bared his buttocks to the passengers in driving past a Columbia fire station.

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**Science**  
UI scientists are studying the world around us — and more — from Lake Okoboji to the rings of Saturn.  
Section A.



Marty Brick returns a racquetball serve while playing on a UI Field House court. Recreational Services may begin to charge for court usage.

## Proposed facilities fee for fall

By Jay Christensen  
Sports Editor

If you play racquetball at the UI Field House or store your valuables in the lockers, there may be a fee for doing so when the fall school sessions begin.

According to a UI Recreation Department proposal, UI students will be charged \$1 to play racquetball. Faculty, staff and the public will be required to purchase a privilege card prior to paying the \$1 charge. The cost for faculty-staff cards is \$15, while there is a \$25 fee for the public. Visitors to the UI will be assessed \$2 an hour for court usage.

If the proposal is passed, students will be charged \$5 per-semester for use of a gym locker. Faculty, staff and the public already pay a semester locker fee.

HARRY OSTRANDER, director of Recreational Services, said the move is required because the UI cut \$30,000 from its budget.

"Right now, we're at the mercy of the University," Ostrander said. "I've lost one full-time professional person, one maintenance person and one graduate assistant. Racquetball is one source to go to for helping our program."

While the condition of the courts has been questioned by many players, Ostrander said that repairs have been made.

"We just spent \$45,000 on new front walls," Ostrander said. "Realistically, we don't have the Cadillac of racquetball courts. But we certainly do all we can to keep the courts in good condition. The fee may help us do that."

Most of the money will help maintain existing programs. It is estimated the usage fees for the 16

racquetball courts in the Field House will raise between \$15,000 and \$20,000 for Rec Services. "It could raise \$500 a week during the peak season," Ostrander said.

"WHEN YOU'RE DEALING with fees and charges, you can take several different approaches," Ostrander said. "You select an activity where the supply and demand show pressure for the facility. Racquetball falls in that category. It also has high maintenance. And it also takes a lot of space — only two or three people on a 20-by-40-foot court."

Tennis is the only rec facility which currently has a charge. Use for the UI courts, located south of Kinnick Stadium, is 50 cents an hour for students. The charges on those courts have been in existence for the last eight years.

The fee proposal would have to be

brought before the Committee on Recreational Services. If approved by the committee, the proposal would go to central administration.

OSTRANDER IS ALSO considering a reserve system which allows an individual to pay in advance and have the court scheduled for certain hours on separate days during a week.

"We're not quite sure which way we're going yet on the reserve system. A lot will depend on what the players think. There are positives and negatives both ways. From the administration standpoint, it would be nice to have someone on a schedule system."

Ostrander is planning to hold an open meeting 11:30 a.m. Monday at the Rec Services office in the Field House. Interested players are asked to attend and give feedback on the reserve system proposal.

## Iowa recruit wins national heptathlon

By H. Forrest Woolard  
Assistant Sports Editor

Kathy Gillespie hasn't officially been assigned a women's track uniform from Iowa, but she sure has made one happy coach out of Jerry Hassard after winning the heptathlon Thursday at the National Junior Olympics in Lincoln, Neb.

The prize recruit from Lamoni, Iowa, totaled 5,359 points in the seven events to lead the nine-woman field. Laura Mazingo of Lakewood, Colo., finished second with 4,946.

Gillespie's total was not only a personal best, but also a mark well above the Iowa record. Janet Adams, Iowa's sixth-place heptathlon finisher at the National Sports Festivals, holds the record at 4,874.

IN THURSDAY'S competition, Gillespie captured honors in the long jump, leaping 17-4 which was another career best for the Iowa recruit. Gillespie also won the 800-meter run with a time of 2:16.54.

She may have finished second in the javelin, but Gillespie's toss of 110-9 1/2 was one more personal high to add to her collection from the two-day event.

After the first day of competition, Gillespie led the field by over 100. Wednesday she won three of four events, failing only to capture the long jump title.

The victory avenges Gillespie's runner-up finish last year in the 17-to-18-year-old age bracket. But more importantly, the win proved the Iowa bound track star is among the elite in the running world.

HASSARD HAD anticipated Gillespie would reach the 5,300 mark. Her total, however, was 150 above the qualifying standard for this past season's Association for Intercollegiate Athletics for Women national meet.

Adams, who was Iowa's top heptathlete last season, failed to make the national point standard, but she did finish second in the Big Ten championship. The Iowa record holder also placed third and sixth respectively in the heptathlon at the Drake and Kansas Relays.

Looking to the upcoming season, Hassard is eyeing the top two finishes in the Big Ten heptathlon. This year's winner was Mary Essman of Wisconsin who won the event with 4,832.

Essman's total is only eight points more than the Iowa record. Gillespie, on the other hand, has already scored higher as a prep.

## Strike sides closer; hints of settlement

NEW YORK (UPI) — Meeting for the first time since talks broke off in Washington a week ago, club owner and player representatives returned to the bargaining table Thursday amid reports the 49-day major league baseball strike could be settled Friday or Saturday.

UPI has learned the owners' Player Relations Committee and Players Association Executive Director Marvin Miller are eager to reach a settlement and were ready to give and take in order to reach an agreement when they were scheduled to resume negotiations at 1 p.m.

Federal Mediator Kenneth Moffett and his aide, Nancy Broff, arrived at the talks at 1:30 p.m. Representatives for the owners followed a half hour later but there was no sign of any members of the players' negotiating team.

"WE COULD NEGOTIATE all day Thursday, negotiate Friday morning, break for the players' meeting at 1 p.m. and negotiate again after the players' meeting," said Peter Rose, associate counsel to the Players Association. "Anything is possible if we are making progress."

Miller met with players in Chicago and Los Angeles this week and learned of their eagerness to return to action, the UPI source said. The owners are equally eager for a settlement that will give them enough time to have bonafide division races.

The owners, who took out \$50 million in strike insurance before the start of the season, will continue to receive payments until Aug. 6.

## Illinois wants ruling on penalties

CHICAGO (UPI) — Illinois football Coach Mike White said Thursday he has no idea whether the Big Ten will lift its sanctions against the school next week but said his team's performance will not be affected either way.

White said he has refrained from second guessing what the Big Ten will do about the sanctions, which stemmed from his use of quarterback Dave Wilson last year.

The Big Ten faculty representatives will meet next week in Minneapolis and Illinois officials hope the conference will lift or sharply reduce sanctions against the school.

"I REALLY DON'T have a feel for what they are going to do," said White at the Big Ten's annual football press day. "Of course I'm hopeful the sanctions are going to be lifted, but I have no idea what they will do."

The penalties, which originally were

scheduled to take effect July 1, were delayed until Sept. 1. They include prohibiting the university's athletic teams from participating in post-season play and from sharing in television revenue.

Athletic Director Neale Stoner earlier this week said he wants a decision by the time practice begins Aug. 8, because continued uncertainty would be a "terrible psychological disadvantage to Mike White and his athletes."

But White said the faculty representatives' actions will not affect his preparation for the season. He denied there is a possibility several football players will transfer if the conference allows the sanctions to remain.

"WE HAVE COMMITMENTS from players to play here. We're going into the season prepared without being concerned about something we have no control over," White said.

He said the situation has brought his squad closer together, adding the university administration's handling of the Wilson affair has given him added confidence about the future of Illinois football.

"We can't afford to let this affect us. I think as the situation has continued, the reporting of the facts has gotten to be more accurate. I am also tremendously pleased and have gotten confidence from the way that Neale Stoner, the president and chancellor of the school have backed us," White added.

WILSON WAS recruited by White from Fullerton Junior College in California and was the subject of a complex legal battle regarding his eligibility at the Big Ten school. Wilson eventually lost his bid to play a second year for the Illini and signed a contract with the New Orleans Saints.

White said the loss of Wilson would "obviously make us a weaker team" than last year.

"The loss of Dave Wilson affects football here because we aren't going to be as good without him," said White, whose team was 3-7-1 last year in his rookie season with Illinois. "But we have Tony Eason who is going to step in at quarterback and we think we have some outstanding prospects who are going to help make this team exciting."

TV contracts finalized

NEW YORK (UPI) — The American Broadcasting Company and the Columbia Broadcasting System announced Thursday that they have reached agreement with the National Collegiate Athletic Association on four-year contracts to televise college football.

## Undefeated Stallion Battalion claims softball title

By H. Forrest Woolard  
Assistant Sports Editor

Stallion Battalion must have the right formula.

For the second consecutive year Stallion Battalion, a group of chemistry graduate students, not only won the men's intramural softball title, but also remained undefeated in the process. The winners used a double play in the top of the seventh inning to seal a 6-5 victory over Friday Afternoon Club Thursday night.

The Stallions jumped to an early lead, scoring two runs in the first in-

ing. Friday Afternoon Club followed with two runs in the second to even the score.

THE THIRD INNING was a big one for Fridays, as the runner-up squad recorded three runs. Although it appeared Fridays had momentum going en route to an upset, the Stallions shut out their opponents the rest of the game.

A sixth inning home run by Duane Pierson, a Stallion outfielder, tied the game at 5-5. Much to the dismay of the upset-minded Friday Afternoon Club, the Stallions moved one final run across the plate to take the game lead for good.

Lynn Zieske singled to reach first and was sent to second on a Mark Dwaganjac infield hit. Zieske reached third on a passed ball and was sent home on a single by Eric Wagner.

The final game was marred by controversies as each team made numerous petitions to the umpires. According to

Leroy Hackley, IM supervisor of officials, "controversies come about when the teams don't know the rules."

"THE TEAMS ARE always gonna bitch," Hackley said. "I would say that 95 percent of our calls tonight were correct. Actually things have run very smooth this summer. No protests (game) have been made."

The questioned calls mainly centered around the field boundary lines. Neither team was certain where the legal playing field began and ended.

In the semifinal game Stallion Battalion defeated the K-Y's 6-5. Although the Stallions jumped out to a 6-1 lead by the third inning, the K-Y's battled back to score four runs.

With the tying run on second and the winning run on first, the Stallions retired the K-Y's for the season in the bottom of the seventh inning.

THE OTHER semifinal contest matched Friday Afternoon Club with Renal Dysplasia. Fridays easily won that game, 8-2.

Another intramural champion was

crowned Thursday night as Riker's Spikers defeated Mongolian All-stars 15-4, 15-9 for the coed volleyball title.

Coed volleyball rules specify that a woman must touch the ball at least once before it is sent back over the net. A balanced line-up, including several very talented women, gave the Spikers the punch they needed to claim their first IM title.

In the semifinal contest the Spikers topped Pandemonium 15-7, 15-5.

All summer volleyball competition was held on the Daum Residence Hall court.

### Intramurals

### Sports trivia

Thursday's answer: Bill Sherman, an outfielder with the Brooklyn Dodgers, never played in a major league game. He was ejected, however, as a member of the Dodgers' bench on Sept. 27, 1951.

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## UI housing hits record

By Jackie Baylor  
Staff Writer

Some 9,500 student housing applications — a record high — have been filed for the 6,396 spaces available at the UI this fall, forcing students to once again search Iowa City for places to live.

The highest demand for housing came from incoming freshmen, said George Droll, director of UI Residence Services. Approximately 4,100 freshmen have applied for residence hall assignments.

Droll said about 450 UI students are still on waiting lists for residence hall housing assignments.

All freshmen men who applied for dormitory rooms have been assigned housing, Droll said, but because of an unequal amount of spaces for men and women, there are about 65 freshmen women on the list who have not yet been accommodated.

Students new to the UI and those who will be sophomores this fall received top priority for rooms, Droll said. Upperclassmen had the lowest priority.