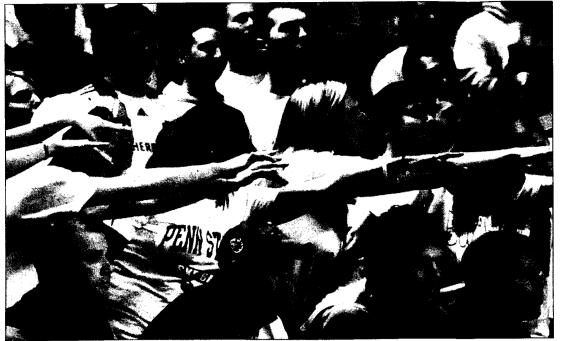
### 4 | TUESDAY, AUG. 31, 2010

### LOCAL

### THE DAILY COLLEGIAN



Bryan Wade Heritage/Collegian

Nittany Lion fans attempt to distract Hoosiers players during a game last season. Some basketball fans are upset that the games against Purdue University and Michigan State University will occur over winter break.

## Schedule raises concer

By Paul McMullen COLLEGIAN STAFF WRITER

The Penn State men's basketball team will continue its Big Ten conference season against longtime rivals at the Bryce Jordan Center in early January.

But when the Nittany Lions against Purdue compete University and Michigan State University on the hardwood, students will be on winter break, which puts supporters in a difficult situation.

"If you take the students out of the equation, the energy level in the BJC drops by 100 percent," Nittany Nation Vice President Cassandra Leighton (senior-sociology) said. "It is hard to convince students to come back when some of them don't have a place attract a crowd." to stay."

University Park on Jan. 5 and Michigan State on Jan. 8.

**'There** is a lot of student buzz and complaints surrounding this of the equation, Nittany Nation conflict," said Brian Siegrist, founder and Penn State alumnus

munications. "Although there is no doubt that it presents a challenge, we need our students to show up, and I believe they will." Penn State has played these

two big games while students were on campus five of the past seven years, he said. The games were scheduled based on venue availability, Lady Lions games and the number of continuous away games, he said.

Work hard and fans will show We have the best fans in up. every sport, and there is no reason why we can't get students to show up to these games," Nittany Nation Marketing Chairman Alex Cohen (senior-marketing) said. "With hard work, the team will get to a premier level which will

Cohen said it will be easier to Though classes begin for stu- fill the BJC during the winter dents on Jan. 11. Purdue visits break if the team works hard and shows strength during their nonconference slate.

But hard work is only one part

assistant director of athletic com- Justin Casavant said. If students show up to the big games, the energy could have a positive effect on the outcome of the games, he said.

'Penn State students love to boast how they are the No. 1 student fans in the country. If they truly mean what they say, they will turn those words into actions and pack the [BJC] this winter in support of Penn State basketball," he said.

"The Big Ten has challenged them, now let the Nittany Nation answer the call."

But Nittany Nation President Katie Huber said students need to turn out for more than just Taylor Battle, who is attempting to break Penn State's all-time scoring record, which was set 55 years ago by Jesse Arnelle.

'Penn State has been rated the No. 1 student section for football and students need to apply that same energy and passion after the football season," Huber (senior-public relations) said.

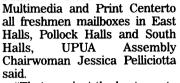
To e-mail reporter: phm5030@psu.edu

# UPUA gives 'S Book' to new PSU students

### By Kathleen Loughran **COLLEGIAN STAFF WRITER**

Freshmen received more than just flyers in their mailboxes Monday.

'The 'S' Book" the student handbook created by the University Park Undergraduate Association (UPUA) – was delivered by the Pelliciotta State Penn



"That was just the best way to make sure every freshman gets them in their hands, so we're not asking every freshman to come find us," Pelliciotta (senior-political science) said. "It was the best way to do it with the timing issue.'

Since the handbook could not be delivered to the mailboxes of freshmen living in North Halls or West Halls, Pelliciotta said UPUA is working on setting up tables in the commons area of both locations.

A date for the distribution is yet to be determined because it's currently a "busy time of the year," she added.

Lion Ambassadors President David Frankenfield, who also helped with the creation of "The 'S' Book," said being able to deliver the handbook to freshmen 'feels great.'

"I think it's going to help them navigate the university in the first couple weeks, but it's also a keepsake that they can treasure in years to come," Frankenfield (senior-economics) said.

Though UPUA passed out many of the handbooks at the Commonwealth Campus changeof-campus orientation held on last Sunday, Pelliciotta said UPUA hopes to set up hours "It's also a keepsake they can treasure in years to come." **David Frankenfield** 

Lion Ambassadors President

when transfer and change-ofcampus students can come pick up the handbook in both the UPUA and the Council of Commonwealth Student Governments offices.

Pelliciotta said she has gotten positive reactions from those who have received the handbook already.

"They think it turned out well, and a couple upperclassmen said they wish they'd got it when they first started," she said. "I think it was pretty successful, but we're looking to improve it for next vear.'

One of the things Pelliciotta said she learned from creating the handbooks is to begin production earlier.

Originally UPUA planned to distribute the handbooks during the First-Year Testing, Consulting Advising and Program (FTCAP), but missed the deadline.

She said UPUA is already working on next year's handbook so that it will be completed in time for FTCAP.

"I think it would be beneficial to have them at FTCAP because students have a lot of questions when they first arrive at Penn State," Pelliciotta said. "This way they'll have a couple weeks to a couple months to look over the information and maybe make decisions off of that book.

Starting earlier will also give UPUA the opportunity to reach out to every person and organization that the student government wishes to include in the handbook, she said.

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### By Brendan McNally COLLEGIAN STAFF WRITER

has created the first ever-image of said Tan's research could help scia special protein that he said acts as the cell's "GPS" — a discovery genetic diseases in the future. Tan said could help researchers

cells during cell division. Frank Pugh, professor and director of the Penn State Center Penn State professor Song Tan for Eukaryotic Gene Regulation, entists create better drugs for

But in the short term, he said DNA in every cell." will enable scoverv

simply too small to see even with the best microscopes.

"The nucleus is 10 micrometers wide — about 1/10 the width of a human hair," Tan said. "And in this tiny little space there is six feet of

To understand such called X-ray crystallography to "[Tan's research] is about protein, creating a tiny crystal about 1/10 of a millimeter wide. Tan said the process has been used for decades, but for it to work in this case, researchers had to create an extraordinarily highquality crystal.

said. The proteins and DNA are developed in the past decade that student at Temple University, allowed researchers to create higher quality crystals, which Tan said his lab built upon and Penn State. England's job was to improved

researchers shot X-rays through Researchers then compared the it, and based on the patterns cre- images of the mutated protein ated by X-rays reflecting - or with images of the original to researchers to better understand structure, Tan used a process defracting, as Tan said - in the make sure the X-ray crystallogracrystal, researchers were able to phy was consistent and accurate. get a clear picture of the protein's structure. "What we get is a complicated defraction pattern," Tan said. "And hopefully based on that pattern you have enough information to work back the structure of the protein.'

worked on the project with Tan while he was an undergraduate at make tiny changes or mutations to After creating the crystal, the structure of the RCC1 protein.

better understand genetic diseases.

Tan said the imaged protein, RCC1, is like a cell's GPS -- or what he calls a "Genetic Positioning System.

Much like a GPS in a car, the protein tells the cell exactly where DNA is located in the nucleus, helping the cell make copies of DNA and properly move those copies into two separate

how DNA works, which is critical to understanding the human body. replicate RCC1 and crystallize the

understanding how chromosomes work," Pugh said. "Chromosome function is basic to all of human health. When they don't work right, you get disease and aging."

But taking a picture of the protein isn't as easy as it sounds, Tan

Certain techniques have been

Joseph England, now a medical

England said he was excited to hear the project reached his goal - a goal he said Tan had been working to accomplish for nearly a decade. But Tan said his work isn't done yet. "We really hope that this is just the beginning," Tan said.

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**BLUE & WHITE** 

BASH

TODAY | 5:00-7:00 p.m. ami Hintz Family Alumni Center (gardens between Willard and Hammond) 50c OFF the burchase of a Value Mea Burger when paying with LonCash+ King www.bk.com • Free pizza and Clem's BBQ, and Berkey Creamery Ice Cream Lions Pick up your membership T-shirt Pride www.lions-pride.com Music Papa John's Medium C topping pizza for only \$6.99 Sign up for the Blue & White Society Pizza www.papajohns.com Don't Miss it! **PSU** Computer Store www.computerstore.psu.edu BLUE & WHITE SOCIETY • THE ULTIMATE PENN STATE EXPERIENCE Sydney Mac Boutique ΞII Joegies BLUE & WHITE SOCIETY www.hfs.psu.edu/hubdining/ www.idcard.psu.edu Sept 2010

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