

Behrend Briefs

Join the fun of CARNIVAL, Monday, Oct. 17 from 10 a.m. to 2 p.m. in the Student Activities Commons of the Reed Building. Free food, non-alcoholic beverages and other beverages, samples, chocolate and blood sugar screening, and games and prizes. For more information about this or other events celebrating National College Alcohol Awareness week, call the Health and Wellness Center at x6217.

"Life as a Woman Scientist" on Wednesday, Oct. 19 from 12:15-1 p.m. as part of the Brown Bag Lunch program. It will be held in the Student Activities Commons and is being sponsored by the Penn State-Beherd Honors Program. Discuss what it takes to get where they are and how they like it with Antonella Cupillari, Mary Chisholm, Sudha Kati and Pam Botts. Open to all students.

"Helpful Hints for Freshman Engineers" on Thursday, Oct. 20 from 4-5 p.m. in the Student Activities Commons. It is sponsored by the Penn State-Beherd Honors Program. Open to all freshman engineering students.

Friday, October 14th and 15th of 1994. The Department of Labor American Overseas Service Program is sponsoring the Friday, October 14th and 15th of 1994. The program is for students who are interested in working abroad.

The Washington, D.C. International Business and Economics Center is sponsoring the Friday, October 14th and 15th of 1994. The program is for students who are interested in working abroad.

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Tasting wines and growing some crystals

by **Ericha Hagenbuch**
Collegian Staff

Recent publications in the Division of Science were completed by Dr. Mary Chisholm and Dr. Allen Jircitano.

Chisholm's most recent publication came as a result of an in-depth analysis of French-American wines as compared with classic German wines.

"Hybrid" or French-American wines are made with high quality wine grapes yet "they lack the reputation of Riesling or Chardonnay wines," Chisholm said.

Research was done using gas chromatography-olfactometry which is a method of isolating various aromas of a wine from the wine extracts.

Chisholm, along with several undergraduate students, used this method to "compare the aroma profiles of the original White Riesling with the French-American hybrid grapes."

After the aromas of a wine were separated, the researcher used her/his nose to measure odor intensities and then recorded all responses into a computer transforming human reaction into useable data.

"The data collected were used to determine the aromatic differences between classic German Riesling and the hybrid wines produced here at Presque Isle Winery," said Chisholm.

This paper was presented at the National Conference of Undergraduate Research and was published in the American Journal of Enology and Viticulture.

Jircitano's latest publication was co-authored with two Behrend students and was done "to confirm the shape of a molecule that was originally postulated by someone else."

"We weren't sure of the compound of the shape," said Jircitano, "so the students produced the compound, grew crystals of it, then used the crystals to determine the shape of the molecule."

Jircitano works with derivatives of this type of molecule and is "building a database of knowledge about the influences of synthetic molecules."

The paper was published earlier this year and, according to Jircitano, "could eventually be of great value to the medical field in the future."

Alcohol awareness

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Tuesday so students can really think about the issue," she said.

Wednesday's agenda includes entertainment by contemporary folk singer/guitar player Marty O'Connor in the Wintergreen Cafe.

Northwest Regional Highway Safety will be in the Wintergreen Cafe on Thursday.

Officers will be talking about ways to avoid drivers who are under the influence of alcohol.



Any of these may trigger a migraine

- ▶ **Food and additives:** Chocolate, aged cheese, chicken liver, citrus, monosodium glutamate, smoked meat, red wine

- ▶ **Hormonal changes:** Menstruation, ovulation

- ▶ **Other:** Emotional stress, bright or flashing light, changes in air pressure, high altitudes

How to stop migraine

Can sometimes be aborted in the early stage by taking:

- ▶ Aspirin with cola or coffee
- ▶ Caffeine reverses vascular changes

SOURCES: The World Book Medical Encyclopedia, Home Health Handbook

Those who continue their educations earn more, a lot more

Many people have questioned if the rising cost of earning a college degree offsets the increased earning power traditionally associated with a degree. A Census Bureau study finds that additional education can significantly increase a person's lifetime earning power.

▶ Estimated lifetime earnings potential

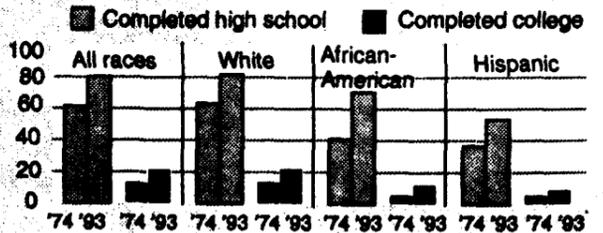
In thousands, based on education:

Not a high school graduate	\$609
High school graduate	\$621
Some college	\$993
Two-year degree	\$1,082
Bachelors degree	\$1,421
Masters degree	\$1,619
Doctorate	\$2,142
Professional degree	\$3,013

SOURCES: Chicago Tribune, Census Bureau, American Council on Education

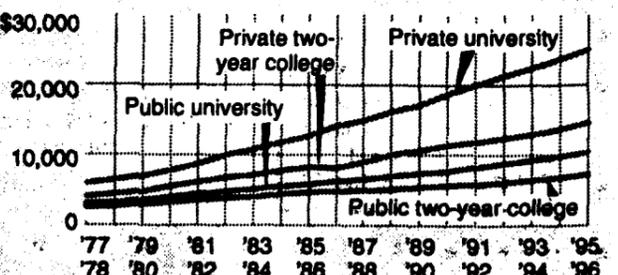
▶ Percentage of Americans who have completed high school or graduated from college

Age 25 and older, Hispanics may be from any racial group:



▶ Rising cost for a college education

Average yearly costs for tuition, fees, room, board, books, supplies and personal expenses. Commuter students who live at home can expect lower costs.



NOTE: 1992-93 and 1993-94 figures are estimates; 1994-95 and 1995-96 are projections