CHAPTER REPORT

Chapter report for October 18, 2008 through October 24, 2009.

Chapter – Alpha Iota  

Mailing Address  

Alpha Iota Chapter  
C/O Paul Peck Advisor  
Glenville State College  
200 High St.  
Glenville, WV 26351

Advisor – Paul S. Peck  
Email Address  

Paul.Peck@glenville.edu

Associate Advisor—Larry Baker  
Email Address  

Larry.Baker@glenville.edu

Current Officers:  

<table>
<thead>
<tr>
<th>Name</th>
<th>Email Address</th>
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</thead>
<tbody>
<tr>
<td>President</td>
<td>Jacob Myer</td>
</tr>
<tr>
<td>Vice-President</td>
<td>Lori Ware</td>
</tr>
<tr>
<td>Secretary</td>
<td>Deb Starcher-Johnson</td>
</tr>
<tr>
<td>Treasurer</td>
<td>John Brown</td>
</tr>
<tr>
<td>Historian</td>
<td>Deb Starcher-Johnson</td>
</tr>
</tbody>
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Email address  

Myer.Jacobd@gsc.glenville.edu  
Ware.Loria@gsc.glenville.edu  
Deb.Starcher-Johnson@glenville.edu  
Brown.John@glenville.edu  
Deb.Starcher-Johnson@glenville.edu

Officers for academic year 2008-2009:  

<table>
<thead>
<tr>
<th>Name</th>
<th>Email Address</th>
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<tbody>
<tr>
<td>President</td>
<td>Jason Poling</td>
</tr>
<tr>
<td>Vice-President</td>
<td>Eli Walker</td>
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<tr>
<td>Secretary</td>
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Email address  

Poling.Jason@glenville.edu  
Walker.Eli@glenville.edu  
Ware.Loria@glenville.edu  
Brown.John@glenville.edu  
Deb.Starcher-Johnson@glenville.edu

Current number of members:  

<table>
<thead>
<tr>
<th>Type</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>student</td>
<td>10</td>
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<tr>
<td>faculty</td>
<td>9</td>
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<tr>
<td>pledges</td>
<td>0</td>
</tr>
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<td>active alumni</td>
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Frequency of meetings:  

At least monthly and as needed.

Function or purpose of Meetings:  

<table>
<thead>
<tr>
<th>Purpose</th>
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<tbody>
<tr>
<td>chapter business</td>
</tr>
<tr>
<td>fund raising</td>
</tr>
<tr>
<td>presentations</td>
</tr>
<tr>
<td>social</td>
</tr>
<tr>
<td>conference planning</td>
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Presentations, lectures, seminars, etc. attended or as part of chapter meeting:

The Chapter continued its tradition of sponsoring presentations by new members of the Science and Math Department. These were held on weekday evenings and were advertised both campus wide and to the larger community. The sponsored presentations this year were:

“From Wine to Viagra, an Overview of my Research” by Professor Gary Z. Morris

“From cloning to bleaching: an investigation into the basic biology of Cnidarians” by Professor Sara Sawyer.

Activities relative to the Annual Theme:

None

Social Activities of Chapter:

Christmas party associated with induction of new members
Refreshments and social time before sponsored presentations which were open to all who attended.

Honors Awarded to Chapter Members:

<table>
<thead>
<tr>
<th>name</th>
<th>honor</th>
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</thead>
<tbody>
<tr>
<td>Emma E. Bailey</td>
<td>Chi Beta Phi Pin &amp; Graduation Honor Cord</td>
</tr>
<tr>
<td>Krista Michelle Duncan</td>
<td>Chi Beta Phi Pin &amp; Graduation Honor Cord</td>
</tr>
<tr>
<td>Ashley Minigh</td>
<td>Chi Beta Phi Pin &amp; Graduation Honor Cord</td>
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<tr>
<td>Ashley N. Murphy</td>
<td>Chi Beta Phi Pin &amp; Graduation Honor Cord</td>
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<tr>
<td>Jason Poling</td>
<td>Chi Beta Phi Pin &amp; Graduation Honor Cord</td>
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<tr>
<td>Eli Walker</td>
<td>Chi Beta Phi Pin &amp; Graduation Honor Cord</td>
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<tr>
<td>Tetsuya Yamamoto</td>
<td>Chi Beta Phi Pin &amp; Graduation Honor Cord</td>
</tr>
<tr>
<td></td>
<td>Graduated</td>
</tr>
<tr>
<td>Emma E. Bailey</td>
<td>Graduated</td>
</tr>
<tr>
<td>Krista Michelle Duncan</td>
<td>Graduated</td>
</tr>
<tr>
<td>Ashley Minigh</td>
<td>Graduated Summa Cum Laude</td>
</tr>
<tr>
<td>Ashley N. Murphy</td>
<td>Graduated Cum Laude</td>
</tr>
<tr>
<td>Jason Poling</td>
<td>Graduated Summa Cum Laude</td>
</tr>
<tr>
<td>Eli Walker</td>
<td>Graduated Magna Cum Laude</td>
</tr>
<tr>
<td>Tetsuya Yamamoto</td>
<td>Chisler Science and Mathematics Scholarship</td>
</tr>
<tr>
<td></td>
<td>Hunt-Stalnaker Scholarship</td>
</tr>
<tr>
<td>Jane R. E. Oosthuizen</td>
<td>NASA Undergraduate Research Project -- GSC Summer 2009</td>
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</tbody>
</table>
Justin Neil  
NASA Undergraduate Research Project -- GSC Summer 2009

Justin Neil  
Presented poster at Undergraduate Research Day at the State Capitol

Justin Neil  
Second place presentation award at Chi Beta Phi National Conference

Faith Harper  
Best Undergraduate Research Presentation at the 84th Annual Meeting of the West Virginia Academy of Sciences

Ashley Murphy  
Outstanding Student Intern Award from Teacher Education Department Spring 2009 semester

John Brown  
Wagner Science and Math Award

John Brown  
Science Department recognition at the College’s Honors Convocation (Four students were recognized by the Department.)

Faith Harper

Justin Neil

Other Chapter Activities:

Efforts to reactivate a chapter or establish a new one:

None

Fund raising:

The Chapter had two major fund raising projects:  (1) We sold Dough for Dollars coupons for Pizza Hut.  (2) We had a Valentine’s Day Rose Sale.  Both were very successful and many members of the Chapter were involved in each.

Service to school (include any awards by chapter)

Our presentations were advertised and open to the campus community.

The Chapter assisted the ACS chapter in providing refreshments for some other department wide presentations and other science presentations were advertised to Chi Beta Phi members.

The Chapter received the 2008 Host Chapter Award from Chi Beta Phi.

Service to community:

Our presentations were advertised in local media and open to the public.
Trips or other activities:

None

Please add any additional information or comments below.

The Chapter hosted the 61st National Conference of Chi Beta Phi on October 18, 2008.

See below for additional information on sponsored presentations:

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FROM WINE TO VIAGRA, AN OVERVIEW OF MY RESEARCH
Gary Z. Morris, PhD
Assistant Professor of Biology
Glenville State College, Department of Science and Mathematics

This will be an overview of the research I have had an opportunity to do in my brief academic career, starting with research I did to determine whether Penicillin, which is produced by the common mold *Penicillium notatum*, could possibly become a contaminant of wine during the fermentation process. The significance of this research was related to the potential health effects this agent might have in consumers who have an allergic response to Penicillin. This will be followed by research I did to determine whether resveratrol, a phytoestrogen found in wines, was toxic to prostate cancer cells. Resveratrol is structurally similar to diethylstilbestrol, a synthetic compound that is effective in treating prostate cancer. Thus, it was our hypothesis that resveratrol was toxic to prostate cancer cells, and thus consumption of wine would be a prophylactic against prostate cancer. I will end with brief description of my research characterizing a type of protein called phosphodiesterase 5, which is the target of Viagra, Cialis and Levitra and important to the cell’s response to nitric oxide, a gas that promotes smooth muscle relaxation.

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From cloning to bleaching: an investigation into the basic biology of Cnidarians
Sara Sawyer, PhD
Assistant Professor of Biology
Glenville State College, Department of Science and Mathematics

Cnidarians (jellyfish, coral, sea anemones) are an ancient group of animals with simple anatomy. They were the first animals to form true tissue and possess a true epithelial layer. As such studying the basic biology of their epithelial tissue can tell us much about how epithelial tissue evolved and how it functions. I am studying both asexual reproduction and temperature-induced coral bleaching in these animals to gain insight into how their epithelial tissue functions and what that can tell us about the biology and evolution of these animals.

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Appendix: Advertisements for sponsored talks

Personal Computer Maintenance Presentation
TUESDAY, OCTOBER 23
5:30 P. M.
ROOM 201 CLARK HALL
Sponsored by Chi-Beta-Phi
Presented by Larry R. Baker
-Maintaining your personal computer to run at top speed.

Additional information
-Online downloading and browsing safety rules.
-Keep your computer files and identity private.
-How to use your @glenville.edu e-mail account to save $ on your next computer purchase.

FOR IMMEDIATE RELEASE: 11/14/07

For more information:
Bob Edwards
Public Relations Department Assistant
Glenville State College
Glenville, West Virginia
(304) 462-7361 ext. 7610

Glenville, WV—Glenville State College Associate Professor of Mathematics, Dr. David O'Dell, will be speaking on "Falling Off the Edge: Myths and Misconceptions about the Flat Earth" on Tuesday, November 27 at 5:30 p.m. in Clark Hall Room 101.

Of all the myths and misconceptions regarding science and history, perhaps none is as widespread as the tale of Columbus proving to the flat-earthers that the earth is spherical. While there have been, and will likely always be, those who believe in a flat earth, the concept of a spherical earth has been around for 2500 years. This lecture will illustrate the reasoning and calculations of the early philosophers who described a spherical earth while examining the origins and perpetuation of the myth that contemporaries of Christopher Columbus believed in a flat earth.

The lecture is sponsored by the GSC chapter of Chi Beta Phi as one of their community service projects and is free and open to the public. Everyone is invited to a reception at 5:00 p.m. prior to the lecture. For more information, call (304) 462-7361 ext. 7300.