Minutes of Chairs Council Meeting – January 25, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics

- their list of computer needs.
- 7. President Meadors is asking for a list of faculty using Second Life. Dean Runge asked the chairs to send their list to Jma Bowman. None of the chairs knew of any faculty using this web service.
- 8. Dean Runge discussed the upcoming CN SM recruiting day. The event will be similar to Bear Facts Day but will be for our college only. Penny Hatfield, Admissions Director, will coordinate the function. Juniors from math and science high schools will be targeted. The date of April 17th is being considered but it was pointed out that the Poster Symposium would still be up for viewing if the date was changed to April 24th.

Chairs Report:

Computer Science:

•

Minutes of Chairs Council Meeting - February 15, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, February 15, 2010. All chairs were present.

Agenda Items:

- 1. Minutes of the January 25, 2010 CoC meeting were approved as amended.
- 2. The Occupational Health and Safety Program Proposal was handed out and Dean Runge asked the chairs to review it and to bring comments to the next CoC meeting.
- 3. Dean Runge reported that summer school was being discussed in depth at the Council of Deans meetings and that President Meadors wants the deans and chairs to be aggressive and creative while planning the summer schedule.

Chairs Reports:

Minutes of Chairs Council Meeting - March 1, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, March 1, 2010.

Agenda Items:

- 1. Minutes of the February 15, 2010 CoC meeting were approved as amended.
- 2. Dean Runge introduced the subject of scientific writing in relation to Freshman Comp I and Comp II. A lengthy discussion followed involving the role and importance of written and oral communication in the programs in our College. It was agreed that these subjects are very important for our students. It was decided that the item will go on the Chairs' Retreat agenda.
- 3. The Central Arkansas Social that will take place March 18ⁿ at Double Tree in Little Rock was discussed. The event, which could be a successful recruiting function for CN SM, is sponsored by the UCA Admissions Office. Dean Runge encouraged the chairs to attend and to provide Leigh Ann DenHartog with promotional material.
- 4. As the LSC building administrator, Dr. Frederickson discussed the active shooter exercise which will take place March 11th, during X-period, in Minton Hall. Two hundred UCA students, as well as the Conway Police Department, the Conway Fire Department and UCAPD, will be involved in the exercise. Dr. Frederickson recently attended a training session on active shooter and building lock down procedures.
- 5. The budget plan for the fiscal 2011 year was discussed. Dr. Frederickson dispersed handouts to the chairs. He pointed out that the M& O amounts should be the same as last year's numbers. Dean Runge asked the chairs to have comments by the next CoC concerning the lab fees.
- 6. The upcoming HLC visit next week was discussed and its importance emphasized. Dean Runge provided the chairs with bound copies of the HLC Self Study.
- 7. The upcoming chairs' meeting with President Meadors March 2nd was discussed.

Miscellaneous Announcements and Reminders:

1. The chairs were reminded t055 252..1 S6m / TT1 144 0 0 0.2

Chairs Reports:

Biology:

• Dr Adams reported that the first of two candidates for the Cellular Physiology position will be on campus March 4th and 5th.

Chemistry:

• Dr. Mauldin reported that the department has received 50 applications for the vacant lecturer position. He reported that most of the 50 had Ph.d's. The search has been narrowed down to 6 at this point.

Math:

- Dr. Garimella reported that Dr. Pat Carmack gave an invited talk titled "Spatial Modeling and fMRI," on February 23^d in the Department of Psychiatry at Columbia University, New York.
- •In last week's Arkansas Democratic Gazette Dr. Carmack had an article on Gulf War syndrome and was also interviewed for the paper.
- Dr. Garimella reminded the chairs that the RCML Conference will be held on our campus March 11-13. Several graduate teaching assistants and faculty members are scheduled to make presentations at these meetings.
- The Math department will host the annual Regional ACTM Math Contests (in

Minutes of Chairs Council Meeting - March 8, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, March 8, 2010. All chairs were present.

Agenda Items:

- 1. Minutes of the March 1, 2010 CoC meeting were approved.
- 2. Larry Lawrence is working with Diane Newton, VP of Finance and Administration, pertaining to Capital Projects. Dean Runge distributed copies of a Capital Fund Request that Larry Lawrence provided as an example format. Dean Runge discussed the necessity of preparing a Phase I and Phase II request under the same cover using the format example.
- 3. Dean Runge asked the Chairs to have their position requests with justifications back to him by April 9. He stressed that the justifications should be tied closely to our mission and that they should use the Provost's 11point justification form.
- 4. In conjunction with Admissions, CNSM will host a recruitment day April 24. High school juniors in AP science and AP math will be targeted. The welcome will be held in the LSC lobby and then the group will be dispersed to break out groups. Dean Runge would like LSC, MCST, and Laney occupied with research students. Some posters from the Poster Symposium will be show cased in the LSC lobby. An itinerary will come out closer to the date.
- 5. The council of chairs discussed the idea of a minor that could be associated with the STEM Residential College students.

Miscellaneous Announcements and Reminders:

- 1. Dean Runge reminded the chairs of Bear Facts Day this Saturday, March 13 and that a Bear Facts Day has been added for April 9.
- 2. Dr. Frederickson asked the chairs to get their budget issues to him by the end of the day. The part time lines were discussed.

Chairs Reports:

Physics:

• Dr. Addison reported that UCA will host the MidSouth Chapter of the Accoustical Society of America March 12^h & 13^h.

Math:

- Dr. Garimella reported that the Math department is proposing new courses in Computational Thinking and Stochasic Processes.
- Plans are underway to create a minor in Statistics.
- Saturday, March 6°, 160 students from central Arkansas participated in the ACTM math contests in Algebra I, II, Geometry, Precal/ Trig, Calculus and Stastistics. Trophies were given to the top three scorers on each exam. There were thirteen other centers in the state where the contest was held. The

- top finishers from all the centers will be invited to UCA to participate in the statewide contest on April 24.
- Dr. Lenin received a 2010 summer stipend from the URC to work on a project that involves determining efficiency of parallel computing.

Chemistry:

- Dr. Mauldin reported that Shelley Bradley, an alumnus of UCA Chemistry dept., former laboratory coordinator at UCA, and current employee of the Chemistry dept. at Hendrix College, is helping our dept. examine all of chemicals have been identified for disposal. These chemicals either are not being used and / or present a danger with prolonged use.
- The Chemistry dept. approved a change in the description for the minor in Chemistry. The previous language was confusing and it could be interpreted to mean that students were required to choose between Quantitative Analysis and Organic II, which was not the intent.
- The department also approved deletion of Chem 3300 and 3350, with a change in name for Physiological Chemistry I and II.

Biology:

• Dr. Adams reported that one of two candidates for the Cellular Physiology position in Biology was on campus last week and the second candidate will be on campus Thursday and Friday of this week.

Computer Science:

• Dr. Hu reported that Jerry Adams, President and CEO, of Arkansas Research Alliance, spoke at the Computer Science department meeting Friday, March 5th. Mr. Adams spoke about plans in which his group is involved to advance the knowledge based economy in Arkansas. Dean Rung also attended the meeting.

Minutes of Chairs Council Meeting – March 15, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, March 15, 2010. All chairs were present.

Agenda Items:

- 1. Minutes of the March 8, 2010 were approved.
- 2. Dean Runge opened a discussion concerning the College's Advisory Board. An example copy of CNSM Advisory Board Bylaws were given to the chairs. Dean Runge would like for the Advisory Board to meet in May to discuss the adoption of bylaws. Dr. Addison suggested that the monthly CNSM newsletter be sent to board members.
- 3. Dr. Mauldin handed out copies of the section of the undergraduate bulletin pertaining to remedial courses and a self-study ADHE document. A discussion followed about courses in question. It was decided that the requirements for a BS degree will be discussed at future CoC.
- 4. Dean Runge distributed the draft of the CNSM guidelines for Promotion and Tenure developed by the Dean's Advisory Council. This draft is FOR INFORMATIONAL PURPOSES ONLY at this point. The CNSM T&P Committee is currently reviewing the draft. Once their feedback is received, a second draft will be distributed to the chairs to take it back to their departments for feedback. With input from each reviewing body, the departments and the chairs, Dean Runge would like these guidelines honed into a viable document that would work well for CNSM. The Dean stressed that the handout is only a draft.

Miscellaneous Announcements and Reminders:

- 1. Dean Runge reported on the ARE-ON meeting that he attended shortly before the CoC.
- 2. Dean Runge reminded the chairs of the Central Arkansas Social to be held the evening of March 18th at Doubletree in Little Rock. More than 100 prospective students are expected to attend,
- 3. Dean Runge commented on the success of Bear Facts Day, March 13th. He recommended that a junior and senior faculty member be paired at future Bear Fact Days.
- 4. Due to UCA being closed next Monday for the Banner update there will not be a CoC.
- 5. Dr. Frederickson reminded the chairs of the upcoming Poster Symposium April 23rd. Abstracts are due March 31st.

Chairs Reports:

Math

•d on t161.764 c402 TMETOQE35.241108.507 189864 cm BT 50 0 0 50 0 0Tm TT5 1 Tf() Tj ET Q 0.2410 035.241108

- Carolyn Pinchback and Mrs. Belinda Riobertson (of ACMSE) are the main organizers of the meeting. About 80 participants, representing 16 states, attended the meeting. There were a total of 45 minute talks and two one hour lectures.
- •NCLB grant: k-4 SMARTS (Science, Mathematics, and Reading Teaching Strategies), jointly proposed by ACMSE and the Math Department, for \$67,225 has been approved by the ADHE. Dr. Umadevi Gairmella of ACMSE is the project Director. Professors Ramesh Garimella, R.B. Lenin, Jean Mcgehee, Jerry Mimms and Carolyn Pinchback will provide professional development Workshops for the project participants.

Computer Science:

- •Dr. Hu reported that the Curriculum Committee met last week.
- •Dr. Yu Sun and Ms. Karen Thessing have submitted a joint grant proposal with another university to the NSF.

Chemistry:

•Dr. Mauldin reported that the Chemistry Department has recently converted Laney Annex 120 into student lounge to help improve a sense of community and retention.

Biology:

- •Dr. Adams reported that at a recent faculty meeting the decision of how to deal with AP Biology credit was made. Credit for independent study, undergraduate research and field studies was clarified and defined at the faculty meeting.
- •Dr. Adams also reported the department is continuing to build a Biology Policy Manual.

Physics:

• The Department of Physics and Astronomy hosted the 6th meeting of the Mid-South Chapter of the Acoustical Society of America on March 12th nd 13th. Physics majors Josh Lieblong, Asami Nishikawa and Dustin Morris presented posters of their Research at the meeting. Dr. Addison announced that he will be visiting Henderson State and UA Monitcello after Spring Break to work on the development of dual degree programs.

Minutes of Chairs Council Meeting - April 5, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, April 5, 2010. All chairs were present except for Dr. Addison.

Agenda Items:

- 1. Minutes of the March 29, 2010 CoC were approved.
- 2.

COLLEGE OF NATURAL SCIENCES and MATHEMATICS Minutes of Chairs Council Meeting –

Chai	irs Reports:
r	Math:
•	No report.
(Chemistry:
•	• Dr. Mauldin reported that Laney is in the process of getting a "green roof."
(Computer Science:
•	No report.
E	Biology:
•	No report.
F	Physics:
Į	• Dr. Addison reported on his recent visits to Henderson State University and University of Arkansas-Monticello concerning the dual degree program. He is optimistic about our ability to develop these programs in the near future.

Minutes of Chairs Council Meeting - April 19, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, April 19, 2010. All chairs were present except for Dr. Adams. Ms. Leah Horton attended the first hour of the meeting representing Biology.

Agenda Items:

- 1. Dean Runge opened the discussion about the Annual Report. In an effort to integrate the reporting data for each department the Chairs went over several points and a list of common data sets was generated. This list will be reviewed at the next CoC.
- 2. Minutes of the April 12, 2010 CoC meeting were approved as amended.
- 3. Presenting awards at the annual Poster Symposium was discussed. A plan will be developed for presenting College awards in the spring of 2011.
- 4. Computers dedicated to a particular projector were considered and Dean Runge asked the Chairs to get the numbers of classrooms and labs affected to the Dean's office by Friday, April 23^d.

picnic for April 30^a.

• ACTM Math Contest Exams will be held on Saturday, April 24th in MCST. Three hundred high school students from across the state have been invited to participate in the contest.

Chemistry:

• Dr. Mauldin reported that he recently met with ten graduating seniors to conduct an exit survey. Four out of the ten graduating Chemistry students have been accepted to graduate programs: Liz Schiefer has been accepted to graduate school in chemistry at Georgia Tech, D.J. Martin has been accepted to graduate school in chemistry at Texas A&M, Scott Cordova has been accepted to an MD/ PhD program at Emory University, and Kimberly Berry has been accepted to the Pharmacy School at UAMS.

Computer Science:

• Dr. Hu reported that at the 2010 Annual ALAR Conference on Applied Research in Information Technology, Computer Science students made seven presentations directed by their faculty mentors. The work titled Interval K-Means Algorithm by Abhinav Atla, Matthew Johnson and Benjamin Nordin won the First Place of Student Research Award of the 2010 ALAR Conference.

Biology:

No report.

Physics:

• No report.

4.	Dean Runge expressed appreciation to CNSM students and their mentors for all
	their hard work through out the year and their participation in the Poster
	Symposium April 23 ^d .

Chairs Reports:

Math:

* No report.

Chemistry:

• On Friday, April 16th, ten senior chemistry majors took the Education Testing Service's Major Field Test in Chemistry. The total scores, as well as subscores, in Physical Chemistry, Inorganic Chemistry, Analytical Chemistry, Biochemistry and Critical Thinking were in the 85th-90th percentile, indicating that our students scored better than 85-90% of students in the nation who took the same exam.

Computer Science:

• Dr. Hu reported that the Computer Science department presented two awards at the Poster Symposium May 23⁻⁻. Jonathan Wammack was awarded a \$500.00 scholarship by the Arkansas Academy of Computing. Vincent Yip won the 2010 Outstanding Graduate Award from the Computer Science department.

Biology:

• Dr. Adams reported that at a recent department meeting the procedures and

Minutes of Chairs Council Meeting – May 10, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, May 10, 2010. All chairs were present except for Dr. Addison. Dr. Frederickson represented the Department of Physics and Astronomy.

Agenda Items:

- 1. Minutes of the April 26, 2010 CoC were amended.
- 2. Dates for the annual chairs' retreat were discussed. The first two weeks of August were agreed upon.
- 3. The draft of Annual Report Guidelines was reviewed again. After comparing it

Biology:

- Dr. Adams announced that Dean Turbeville and Autumn Brewly received University Outstanding Student Awards.
- Geoff Smith and Justin Wright were awarded the Graduate Assistant Teaching Excellence Awards at the annual Biology picnic at Lake Beaverfork May 7th.
- Dean Runge announced that Dr. Brent Hill will be replacing Dr. David Dussourd as graduate coordinator and associate Biology chair. Dean Runge acknowledged Dr. Dussourd's excellent service in both positions.

P	h	V	C	i	r	c	•
•	• •	J	•	•	•	•	•

No report.

Minutes of Chairs Council Meeting - May 24, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, May 24, 2010. All chairs were present except for Dr. Hu (sabbatical).

- 2. Dean Runge reminded the chairs that Annual Reports are due to the Dean's office July 1*. Dr. Frederickson added that it was a goal to have much of the data required for the reports available on ARGOS to make the reporting procedure easier and more efficient.
- Dean Runge reported on the recent meeting to develop a proposal for NSF's GK-12 program. Dr. Adams has scheduled weekly meetings for the faculty group developing the proposal.
- 4. Dean Runge charged the chairs to turn in a report of errors and problems found in the Arkansas Course Transfer System (ACTS) by August 1st. The Dean's office

Minutes of Chairs Council Meeting - June 21, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, June 21, 2010. All chairs were present except for Drs. Adams and Hu. Dr. Yu Sun represented the Computer Science Department and Ms. Leah Horton represented the Biology Department. Ms. Marcia Girdler, Project Coordinator of Accounts Payable and Travel, was a visitor.

Agenda Items:

- 1. After introducing Marcia Girdler to the Council of Chairs Dean Runge turned the floor over to questions and answers concerning standing purchase orders. Ms. Girdler assured the group that standing purchase orders on grants will roll over to the new fiscal year. On future requisitions the ending date should be entered. Regarding the series of grants that came in late, if something must be ordered between now and June 30th the check request form should be completed and must be approved by Diane Newton before being processed.
- 2. Minutes of the June 7, 2010 CoC were approved as amended.
- 3. Dean Runge distributed a handout to the chairs concerning using clickers versus cell phones. He asked the chairs to consider the advantages and disadvantages of obtaining software to use cell phones instead of clickers. The topic will be investigated further at a future CoC.
- 4. Dean Runge asked the chairs to review the department's student success stories that he composed from the separate lists sent to the Dean's office earlier in the

- was discussed. It was decided that the STEM Advisory Board will be charged with developing the program proposal.
- 9. Dean Runge announced that Provost Grahn has not yet called for college position requests but that the request from CNSM would be submitted soon.

Miscellaneous Announcements and Reminders:

- 1. Dean Runge reported on the iPad workshop, Introducing the Apple iPad, The Future-In Your Hands, that he, Drs.Frederickson, Garimella, Ms. Leah Horton and several Mathematics faculty members attended Sunday, June 20th at the Arkansas School of Math and Science in Hot Springs.
- 2. Due to UCA being closed Monday, July 5th, in observance of Independence Day, the next scheduled CoC meeting will be Tuesday, July 6th at 3:00 p.m.
- 3. Dr. Frederickson reminded the chairs that everyone should have their new budgets by now.

Chairs Reports:

Math:

- Dr. Garimella reported a paper titled "Nonclassical Symmetries of a Class of Burgers' Systems," authored by Drs. Danny Arrigo, Long Le and students, David Ekrut and Jackson Fliss has been accepted for publication in Journal of Mathematical Analysis and Applications. Jackson Fliss is an undergraduate student and David Ekrut is graduate teaching assistant in the Applied Mathematics program.
- Dr. Patrick Carmack and his colleagues from the College of Education, Drs.
 Daniels, Gibson and Smith, published a paper "Predictive Power of Standard
 Variables on Post Secondary Achievement in Arkansas," in the Journal of College.2 (ap) -0.1

workshops were held on May 26^h and 27^h. The Math faculty involved in these workshops were Drs. Clarence Burg, Fred Hickling, Linda Griffith, Ramesh Garimella and Long Le. The workshops were part of an MSP grant received by Ms. Aimee Evans of the Arch Ford Foundation.

 Mathematics faculty members, Drs. Jean McGehee and Carolyn Pinchback presented workshops for 25 elementary teachers from this region. The workshops were part of the ADE grant: K4SMARTS received by Dr. Umadevi Garimella, director of ACMSE.

Chemistry:

 Dr. Mauldin reported that within the last 21 years, faculty members of the Chemistry department at UCA have won university-wide awards in teaching 5 times, in service 2 times and in research 2 times, for a total of 9 awards in just over 2 decades. Individual names and awards are listed below:

Teaching Excellence Michael Rapp 1989 Paul Krause 1994 Patrick Desrochers 2001 Lori Isom 2005 Nolan Carter 2008

Public Service Michael Rapp 1997 Jerry Manion 1999

Research, Scholarship and Activity Award William Taylor 2001
Patrick Desrochers 2004

Computer Science:

• Dr. Sun reported that Dr. Vamsi Paruchuri is attending the NSF Broader Impacts for Research and Discovery Summit June 21st – 23rd.

Biology:

No report.

Physics:

- Dr. Addison reported that Dr. Debra Burris participated in the workshops
 offering intensive training for middle and high school teachers in science
 programs and labs to take back to their respective schools and classrooms. The
 workshops were made possible by grants to the Arkansas Center for
 Mathematics and Science Education at UCA.
- The mother of Dr. Heather Woolverton has generously donated \$10,000 to

establish the Heather Woolverton Scholarship Fund in memory of her daughter who passed away in November 2009. Dr. Woolverton was an associate professor in the Department of Physics and Astronomy.

Minutes of Chairs Council Meeting – July 6, 2010

Education. Dr. Yarberry met with between 14-28 teachers from grades 7th - 11th between July 7th and 25th. These individuals teach classes ranging from 7th grade science to chemistry in local Arkansas schools. The idea behind the institute was to show teachers how to emphasize similarities between the sciences so that students could focus on new concepts realizing they possess the foundation from previous classes. Dr. Yarberry provided teachers with lesson plans, demonstrations, overheads, and laboratories that they could use in the classrooms to illustrate chemical concepts and their connection to biological concepts. The teachers left Dr. Yarberry's portion of the institute with information as well as materials that can be used to illustrate the concepts in the coming year. The materials included glassware and chemicals purchased through the grant.

Computer Science:

No report.

Math:

 Dr. Garimella reported that Dr. Clarence Burg is involved in the UCA Upward Bound summer program for the third year, teaching a preparatory course in Algebra II. The Upward Bound program is funded through the U.S. Department of Education's Trio program, with the goal increasing the rate at which participants complete high school and enroll and graduate from colleges and universities.

Physics:

• Dr. Addison reported that the EPSCOR committee is being reorganized. Dr. Addison will attend a meeting later in the month concerning the reorganization.

Minutes of Chairs Council Meeting - August 2, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, August 2, 2010. All chairs were present.

Agenda Items:

- 1. Minutes from the July 6, 2010 CoC were approved as amended.
- 2. The newly established procedure for on-line leave reporting was discussed. Dr. Frederickson asked the chairs to make sure that the approval order is correct.
- 3. The Arkansas Small Business & Technology Development Center was briefly discussed. Entrepreneurship will continue to be explored in the College.
- 4. President Meadors and Provost Grahn have encouraged CNSM to participate in the Council on Undergraduate Research (CUR) marketing efforts. Dean Runge suggested that the chairs look over their recent Success Stories list for potential nominees. Each chair should have their nominations by Monday, August 9.
- Copies of the rubric for assessment of oral communication skills that Dr. Mauldin developed after attending Chalk Talks were distributed and discussed. Dr. Addison volunteered to provide copies of the Teacher/ Education rubric at a future CoC.
- 6. The College of Liberal Arts Peer/ Aspirant Institutions list was reviewed and revised in accordance with CNSM's framework. Dean Runge will prepare the final list and forward to Provost Grahn. Peer and Aspirant Institution list will be finalized at an upcoming COD Meeting.
- 7. Dr. Frederickson gave an update on the progress of the STEM Residential College resident hall. He will be attending a residential college boot camp at Mt. Nebo Tuesday, August 3^a.
- 8. The upcoming Chairs' Retreat was discussed. Dean Runge reminded the chairs to appoint an acting chair while they are out of the office August 4th and 5th.

Miscellaneous Announcements and Reminders:

1. Dean Runge reported on a recent meeting with Dr. Jonathan Glenn where the Faculty Activities Schedule was discussed. Dr. Glenn is in the process of revamping the form to accommodate various departments. One idea that was discussed was the creation of a no credit course for undergraduate research students. This would aid in quantifying the number of students participating in

- undergraduate research each semester.
- 2. Drs. Runge and Frederickson attended the 6^h Annual Conference of Academic Deans July 29^h July 31st. Dean Runge made a presentation titled "The Deanship Myth and Reality in the Early Years" Friday afternoon at the conference.
- 3. Dean Runge announced that there will be a CNSM specific "Bear Facts" recruiting day in October.

Chairs Reports:

Biology:

- Dr. Adams reported that Biology students, Lee Reno and Kara Wiegand, recently defended their theses. Dr. Ben Rowley was their mentor.
- Dr. Adams also reported that the renovation of the Gross Anatomy lab is scheduled begin to August 3⁻¹.
- Dr. Reid Adams and student, Ed Kluender, recently gave presentations at the Faulkner county library. The subject matter was Alligator Gar conservation and Biology.
- Dr. KC Larson and students, Justin Wright and Geoff Smith, also recently gave presentations at the Faulkner county library on the Jewell Moore Nature Reserve.
- Two members of the Fisheries Club helped the Arkansas Game and Fish Commission with their yearly sampling on Lake Conway. The students collected specimens to use in Bio II labs.

Chemistry:

• Dr. Mauldin announced that Dr. Kyle Felling has resigned. Dr. Kristin Dooley is being hired as an emergency replacement.

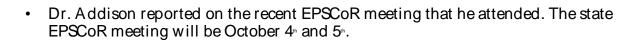
Computer Science:

 Dr.Hu reported that ABET has accredited the Computer Science department until 2014.

Math:

- Dr. Garimella reported that 10 Math Education and Applied Math students will graduate with Masters degrees in the summer commencement.
- Workshops for concurrent teachers are being conducted Monday, Tuesday and Wednesday of this week. Drs. Charles Watson, R.B. Lenin and Patrick Carmack are conducting workshops for the College Algebra and Elementary Statistics teachers. Drs. Ramesh Garimella, Clarence Burg and Danny Arrigo are conducting Calculus workshops.

Physics:



Physics:

•

- 5. In response to a request from Kerry Nichols in International Programs, Dean Runge asked for a list of individuals who can speak Mandarin Chinese.
- 6. Dean Runge reminded the council of the ribbon cutting ceremony, which will be attended by Governor Beebe, for the STEM Residential College tomorrow at 2:30 p.m. in front of Arkansas Hall.
- 7. Dean Runge told the chairs that a decision concerning summer school money allocation has not been made yet.
- 8. Dr. Frederickson reported on the CLAD Meeting that he attended immediately proceeding the CoC meeting. The meeting included the academic associate deans and a faculty member from the Honors College. Responsible conduct in research training in connection with federal grants was discussed.

Chairs Reports:

Biology:

- Dr. Hill reported that three Biology faculty, Drs. Reid Adams, Jeff Padburg and Sally Entrekin, participated in grant workshops conducted by David Bauer and sponsored by SPO. Additionally, six graduate students attended the special session for students.
- Drs. Katherine Larson and Reid Adams gave invited presentations at the Arkansas Wildlife Action Plan Symposium held September 7th and 8th at Mount Magazine State Park. Dr. Larson's presentation was titled "Restoration and Expansion of a Remnant of a Faulkner County Prairie." Dr. Adams' presentation was titled "Ecology and Conservation of Alligator Gar in the Fourche LaFave River." Dr. Sally Entrekin also attended the symposium and participated in workshops to outline future funding priorities in the state.
- Dr. Marc Hirrel recently attended an interpreters retreat at Lake DeGray to speak with State Parks educators about the Leopold Education Project.

Chemistry:

 Dr. Mauldin reported that Drs. Bill Taylor, Don Perry and Karen Steelman have received separate grants from the National Science Foundation. The toltal award amount for these three NSF grants is \$498,622.00

Computer Science:

 Dr. Hu reported that the Computer Science Club met last Thursday and elected officers.

Math:

- Dr. Garimella reported that in the past three months Dr. R.B. Lenin's paper "On Predicting Bugs Using Detrented Fluctuation Analysis," co-authored with Srini Ramaswamy (ABB Corporation) and R.B. Govindan (UAMS), has been accepted for presentation at the 2010 IEEE International Symposium on Software Reliability Engineering to be held November 1st hrough 4st in San Jose, CA.
- The Math Department Wednesday seminar series began on September 8th with a talk by Dr. Pat Carmack on "A Modified Kernel Approach for Correlated Data."

Physics:

- Dr.Addison announced that he will conduct a SURF Informational Meeting tomorrow during x-period in LSC 170. SURF's purpose is to encourage undergraduates to conduct in-depth research projects in their fields of study.
- Dr. Azida Walker attended the David Bauer workshop on grant writing September 3⁻¹.

Minutes of Chairs Council Meeting - September 27, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, September 27, 2010. All chairs were present. Leigh Ann DenHartog was a guest.

Agenda Items:

- 1. Leigh Ann DenHartog addressed the council about the CN SM Bear Facts Day scheduled for Friday, October 1st. Since the student panel at the September 18st Bear Facts Day was a success Ms. DenHartog suggested repeating the use of a student panel. She asked the chairs to help with developing the panel. At the present time about 80 students are expected and the number is anticipated to increase before the actual event. CN SM Bear Facts will take place in LSC 102.
- 2. Minutes of the 9-13-10 CoC were approved as amended.

3.

Chairs Reports:

Biology:

- Dr. Adams reported that on September 23^d Luke Naylor from the Arkansas Game and Fish Commission presented a seminar entitled "Landscape Planning and Management for Waterfowl Habitat Needs" as part of the Biology Seminar Series.
- Dr. Sally Entrekin has been awarded \$250.00 from the Faculty Development Committee to attend a symposium entitled "Women Evolving Biological Science" to be held in Seattle in October.
- Drs. Ginny and Reid Adams and 5 students (Jason Christian, Loren Stearman, Clint Johnson, Ed Kluender and Richard Walker) attended the American Fisheries Society Meeting on September 12-16 in Pittsburgh, PA. The group presented 6 oral presentations.
- Biology student, Ed Kluender, presented a poster entitled "Movements, Habitat Use and Conservation of an Imperiled River Leviathan, Alligator Gar" at the Third International Symposium on Ecology and Biodiversity in Large Rivers of Northeast Asia and North America held in Memphis September 20-24.
- Dr. Reid Adams is serving on the Search Committee for selection of Assistant Director of Cooperative Education.
- A search committee is reviewing applications for an Administrative Specialist II position in Biology.
- On Friday, October 1st, Tatum Branaman (advisor: Dr. JD. Swanson) will be defending her MSthesis entitled "Investigation of the Floral Meristem Identity Gene LEAFY in Rosid Crops of Economic Interest."
- Dr. Reid Adams is taking his Aquatic Ecology class on a weekend trip field trip to Sylamore Creek ou



Math:

- Dr. Garimella reported that Dr. Danny Arrigo has accepted the invitation to join the Editorial Board of the ISRN Mathematical Analysis Journal.
- This past Friday and Saturday Drs. Linda Griffith, Ramesh Garimella, Fred Hickling and Long Le conducted workshops for Algebra I Math teachers. The workshop was part of an MSP grant obtained by Aimee Evans of the Arch Ford Foundation.

Physics:

Operating System and will act as a local server. This will be administered by Dr. R.B. Lenin. Math majors may remotely access mathematical software needed for their course work from this server. Also, the server will host several mathematical forums.

Chemistry:

• The Department of Chemistry has expanded its tutoring efforts by hiring six Chemistry majors to tutor students in General and Organic Chemistry on Tuesday and Thursday evenings from 5:30 p.m. – 7:30 p.m. Attendance has been excellent at 15-20 students session.

Computer Science:

- Dr. Hu reported that Professor Steven F. Jennings from the department of Information Science at UALR delivered an invited Computer Science seminar titled "What is Bioinformatics?", October 1st.
- The Computer Science Department Facebook page has been actively used lately to enhance communication.

Biology:

- Dr. Adams reported that the Biology Department is currently interviewing applicants for the open Administrative Specialist II position.
- Drs. Naylor, Swanson, Rowley and Hill attended the INBRE conference in Fayetteville October 16" with 15 Biology students.

Physics:

• Drs. Stephen Addison, Carl Frederickson and William Slaton accompanied Physics majors, Tey French, John Lahmann, Asami Nishikawa and Skipper Thurman to the 7th Annual Meeting of the MidSouth Chapter of the Acoustical Society of America in Memphis, October 8-9. Asami Nishikawa received third place in the undergraduate poster category for her joint poster with Dr. Slaton titled The Effect of a Helmholtz Resonators Neck Geometry on the Aero-Acousic Excitation of Resonance. John Lahmann presented: A Trigger for a Helmholtz Resonator, a joint poster with Drs. Addison and Slaton.

Majors Fair October 7th.

2. Dean Runge reported on the CN SM SPARC meeting that took place October 11th and thanked everyone for their positive contributions.

Chairs Reports:

Biology:

• No report.

Chemistry:

• Dr. Mauldin reported that Brian Besel, a senior Chemistry major, won first place for the best oral presentation in the Chemistry division at the INBRE conference in Fayetteville on Friday, October 16th. The research, funded by the National Science Foundation, was directed by Drs. Rick Tarkka and Patrick Desrochers. The title of Brian's talk was

from other computers and teach them how to run mathematical software.

Physics:

• Drs. Stephen Addison, Debra Burris, Carl Frederickson, Rahul Mehta and William Slaton attended the 2010 Arkansas IN BRE Conference in Fayetteville on October 15ⁿ and 16ⁿ. They were accompanied by Physics majors John Lahmann, Brandon McVay, Asami Nishikawa, Tristan Odekirk, Nirav Patel and Jacob Teffs. Lahmann presented the poster: A Trigger for a Helmholtz Resonator (other authors were Drs. Addison and Slaton, Nisikawa presented the poster: The Effect of a Helmholtz Resonators Neck Geometry on the Aero-Acoustic Excitation of Resonance (co-author was Dr. Slaton), Patel presented the poster: Study of Hard Tissues in Hind-limb Rats using SEM and X-ray Analysis (others authors were Dr. Mehta, Alec M. Watson, Parimal Chowdhury, Michael Soulsby and Nawab Ali), Odekirk and McVay presented the poster Developing Low Cost Experiments for BalloonSat (other authors were Dr. Burris and Rene Brock), Teffs presented the paper: Comparison of Lanthanum to Europium in Halo Stars (co-author was Dr. Burris). A sami Nishikawa received third place in the Physics category of the undergraduate poster competition.

Minutes of Chairs Council Meeting - October 25, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics

Chronicle of Higher Education and begin running online November 1.

Chairs Reports:

Biology:

- Dr. Adams reported that Dr. K.C. Larson and four students are presenting at the Natural Areas Conference at Osage Beach, Missouri this week.
- The Biology Department has submitted a hiring PAF for their open Administrative Specialist I position.
- The new autoclave, which was purchased by a grant obtained by Dean Runge, has arrived.
- Dr. Adams announced that after advertising only very recently in HigherEd Jobs, for the Biology I and Biology II Lab Coordinator position, one application has already been received, as well as two serious inquiries.

Chemistry:

- Dr. Mauldin reported that Texas A&M graduate student, Makaela Stewart, addressed the Chemistry Club on life in graduate school. Ms. Stewart is a UCA Biology graduate.
- Dr. Patrick Desrochers wrote an article on Brain Besel, the Chemistry major who won first place for best oral presentation in the Chemistry division at the INBRE Conference this month, for the Rogers, Arkansas newspaper.

Computer Science:

No report.

Math:

- Dr. Garimella reported that the Math Department now offers a minor in Statistics.
- Dr. Donna Foss will be representing the Mathematics Department at the Pulaski Tech Majors Fair on November 2⁻⁻ to recruit students.
- Dr. Clarence Burg visited Harding University, University of Arkansas Fort Smith and Hendrix College to recruit students for our graduate programs. More trips are being planned.
- Dr. Charles Watson attended the meeting of the Coordinators of Presidential Awards for Excellence in Mathematics and Science Teaching on October 17-19 in Washington DC. The event was sponsored by NSF.
- Dr. Ramesh Garimella will present a seminar

• Dr. Giovanni Petris, Associate Professor, Department of Mathematical Sciences, University of Arkansas at Fayetteville will present a talk titled Bayesian Statistics, or How to Combine Historical Information with Data during X-period on October 28.

Physics:

• Dr. Addison reported on the good turnout for the EcoFest cardboard car derby that was held Sunday, October 24. The race was in front of Conway high school. Dr. Addison is part of the organizing committee for the derby.

Minutes of Chairs Council Meeting - November 1, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, November 1, 2010. All chairs were present.

Agenda Items:

- 1. Minutes from the 10-25-10 CoC were approved as amended.
- 2. Dean Runge distributed copies of UCA's Board Policy on A cademic Integrity and supporting paperwork that was handed out at the A cademic Integrity meeting he attended October 26°. Dean Runge explained that the policy became effective this fall. During the discussion that followed it was emphasized that issues concerning academic integrity can still be handled at the departmental level. The chairs were asked to discuss the policy with their faculty.
- 3. The College Advisory Council membership was discussed at great length. Names were suggested and categorized into one of the three groups previously identified; K-12 Partnership, Development, and Corporate/ Non-profit/ Governmental Relations. This discussion will continue at an upcoming CoC meeting.

Miscellaneous Announcements and Reminders:

- 1. Dr. Frederickson discussed the option of transitioning from Luminous for web development to Word Press.
- 2. Dean Runge reported on the positive feedback that he is receiving on the CNSM newsletter, specifically noting the recent Special Edition.
- 3. Dean Runge reported on the meeting that took place October 29th between the CNSM Council of Chairs and the COB Council of Chairs concerning entrepreneurship and student business competitions. He deemed the meeting to be a success and a strong starting point for this type of collaboration. The Dean expressed his appreciation for Dean Cantrell and her administrative staff for their enthusiastic support of this initiative.

Chairs' Reports:

Biology:

Dr. Adams reported Dr. Zaida Gomez-Kramer attended a Microbiology Teaching

- Symposium sponsored by McGraw Hill in Dubuque, Iowa.
- Dr. Sally Entrekin attended a WEBS (Women Evolving the Biological Sciences) conference in Seattle, WA. She will be coordinating a workshop at UCA for interested faculty. WEBS aims to aid the retention and transition of female tenure-track faculty.
- Faculty with research ideas that might mesh with goals of the EPSCoR P^a (Plant Powered Production) program should contact Dr. Swanson regarding funding opportunities particular for students.

Chemistry:

• Dr. Mauldin reported that the College ad hoc General Education Assessment Committee met last week. The committee, which Dr. Mauldin chairs, will meet again in about four weeks. Dr. Mauldin asked the chairs to communicate with the representatives from their departments regarding information that is needed.

Computer Science:

 Dr. Hu reported that he visited a university in Montana last week on behalf of ABET.

Math:

• Dr. Garimella reported that Dr. Long Le presented a talk titled Exact Solutions for a Class of 2D-

Minutes of Chairs Council Meeting - November 8, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, November 8, 2010. All chairs were present.

Agenda Items:

- 1. Minutes from the 11-1-10 CoC were approved as amended.
- 2. The discussion regarding the establishment of a 4-year STEM Residential College was continued. The Fulbright College at the University of Arkansas-Fayetteville

Chairs Reports:

Biology:

- Dr. Adams reported that the American Fisheries Society UCA Student Subunit hosted the 9th Annual Student Colloquium An Early Start on Professionalism sponsored by the Southern Division and Arkansas Chapter of AFS. The conference was held at the Ozark Folk Center and was attended by 32 students from five academic institutions. A panel-led discussion was held on the topic of women in fisheries; the panel was comprised of five regional professionals. The conference also included poster presentations, field trips and socials.
- Dr. Bhupinder Vohra, Assistant Professor of Biology, contributed to the Biology Seminar Series by giving a presentation entitled Enteric Nervous System, The Second Brain: Neuronal Polarity and Migration on November 2, 2010.
- The Biology Department recently updated their list of capital equipment needs.
 The list totals \$229, 300 to improve resources in our teaching and research laboratories.

- and his mentor, Dr. D. Arrigo, and Math major William Parker and his mentor, Dr. R.B. Lenin.
- Dr. Ramesh Garimella (PI) and Dr. Umadevi Garimella (Co-PI) submitted a proposal, The MSIT Academy @UCA, to the Arkansas Science and Technology Authority.

Physics:

- Dr. Addison reported that Dr. Rahul Mehta and undergradute students, Niravkumar Patel and Alec Watson attended the 5ⁿ BioNano Tox & Application Research Conference at the Peabody Hotel in Little Rock on November 4 & 5, 2010. The poster: Scanning Electron Microscope Study of Hard Tissues From Hind-limb Suspended (HLS) Rats, by Nirav Patel, Alec Watson, Rahul Mehta, Nawab Ali (UALR), and Parimal Chowdhury (UAMS) was presented by Nirav Patel; Nirav's poster was the first place winner selected from among 28 poster whose first author was a graduate or undergraduate student.
- On Saturday, November 6^h, Dr. William Staton and the students of the Society of Physics Students Chapter went to Hot Springs to tour a gas-fired power plant and to the Museum of Discovery.

- 6. Housing assignments for Bear Hall are not yet decided, but it may be possible for a portion of the new facility to be used as a residential college. The topic of an extended Council of Deans meeting December 8ⁿ will be the residential colleges.
- 7. Travel Requests going to the Provost's office no longer require justification paperwork. Decisions on the expenditure of travel funds are made at the departmental and college le/ TT2 1 T RI

of statistics of the Student Undergraduate Research Fellowship (SURF) published by ADHE. In an effort to increase the number of SURF proposal, submissions it was suggested that CNSM align the format of our internal Student Research proposals with that of the SURF proposals. We will also consider a requirement for eligible students who apply for student research funds from CNSM to also submit a SURF proposal

Minutes of Chairs Council Meeting – December 13, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, December 13, 2010. All chairs were present except for Dr. Adams. Dr. Hill represented the Biology Department. Mr. Art Lichenstein, Torreyson Library Director, was a guest.

Agenda Items:

1.

Minutes of Chairs Council Meeting - December 20, 2010

A meeting of the Chairs' Council of the College of Natural Sciences and Mathematics was held Monday, December 20, 2010. All chairs were present.

Agenda Items:

- 1. Minutes from the December 13, 2010 CoC were approved as amended.
- 2. Examples of diversity policies were handed out and discussed. Members of the CoC will be working on a draft of the CNSM policy at the mid-year retreat.
- 3. Dean Runge reported on the campus discussion of the status of the University College. Dr. Garimella is a member of the Task Force reviewing different options for the future of the University College; he provided an update to the group.
- 4. Witsell-Evans-Rasco has been hired to conduct the master planning for UCA. Stakeholders, including the Council of Deans, met last Tuesday with the consultant. CNSM will need to refine our facilities request early in the spring sememster.
- 5. The awarding of associate degrees at UCA was discussed.
- 6. The agenda for CN SM's mid-year retreat was discussed. The retreat will take place January 10^h in the corporate conference room in MCST.

Miscellaneous Announcements and Reminders:

1. Dean Runge announced that the proposal to designate 17.5 acres for the Jewell Moore Nature Reserve was presented to the Board of Trustees at the December 17th meeting. The proposal as presented was not passed; however, a five-

be announced early in the spring semester.

 Dr. Frederickson announced that the STEM Residential College Advisory Board met this morning to review applications for fall 2011. Forty-two applicants were accepted out of sixty applications. The average ACT score of the accepted applicants was 27.

Chairs Reports:

Biology:

• Dr. Adams reported that he, Dr. Rowley and Ms. Horton attended the webinar on blended classes presented December 15ⁿ. Dr. Adams commented that he found the webinar very informative and useful. He is interested in educating the Biology faculty on BlackBoard use.

Chemistry:

 Dr. Mauldin reported that the department search committee met today and selected three candidates to invite to interview for the open Inorganic faculty position.

Computer Science:

 Dr. Hu reported that as a member of PFT (Preparing For Tomorrow) Advisory Committee of the Arkansas Department of Career Education, he participated in the statewide curriculum development of a new program of study for high school students December 14th & 15th in Little Rock.

Math:

- Dr. Garimella reported that one undergraduate student in Mathematics and two graduate students in the MA program received degrees at the fall commencement December 18ⁿ.
- Dr. Garimella also reported that the search for the Math Education position is going well.

Physics:

 Dr. Addison reported that a paper by Dr. Debra Burris and recent graduate, Jeremy Lusk, will be published in the Publication of the Astronomical Society of the Pacific. The paper is titled Error Analysis of Light-n-Capture Element Abundances in the Metal-Poor Halo Star HD74462.