

SOS FALL FACULTY ASSEMBLY Minutes

May 1, 2007

3:30-5:30 pm

Present: Voting members: **Biology**; P. Crowell, J. Li, Randall, Roper, Watson. ♦ **Chemistry**; Minto, Schultz; ♦ **Computer Science**; Raje, Zheng, Zou; **Earth Science**; Filipelli, **Math**; Boukai, Chin, Geller, Kitchens, Perez, Zhu. ♦ **Physics**; Gavrin, Kemple, Rao, Vemuri. **Psychology**; Appleby, Bigatti, Fastenau, Murphy, Stewart. ♦ Dean Bosron.
Non-Voting members: Biology: Yost; Chemistry; Blacklock

Meeting was called to order by President Ray Chin at 3:40 am.

The agenda was accepted and the faculty minutes from November 28, 2006 were approved.

Report of the Deans Administrations:

Interim Dean Bosron ♦s Report



Undergraduate Academics: In the past year science credits are up approximately 3% (campus as a whole is down). ♦ Twenty-six Science students are listed in the universities top 100. ♦ Approximately \$65,000 in awards was dispensed at the Honors convocation. Fall Science admissions are up, with high quality students including at least 8 Bepko Scholars and 7 President and Plater scholars.

Graduate Academics: ♦ Graduate student funding from RIF income (approx \$80K) and from a CTE proposal (\$180K) will help support graduate students in science. ♦ Several (4) GANN proposals have been submitted,

The School Strategic Planning is still going on. The dean summarized the Administrative (A)-team findings as

- 1) Faculty overstaffing is not the problem.
- 2) A hiring freeze will result in loss of critical mass (prediction is now less than 100 faculty, down from high of 125)

Conclusion: we must increase income, and cut expenses so that we can grow faculty.

A proposal to recapture teaching lab costs from a student lab fee increase will help as these costs are currently coming out of the school general fund.

All teams should have short-term goals set by this summer, and the Research (R) and Undergraduate (U) focus groups will have reports out. ♦ Faculty groups should discuss these plans.

Ongoing searches include:

CS faculty and Chair

Chemistry/Combinatorial Chemistry faculty

Chemistry and Chemical Biology Chair

Signature Center faculty (Earth, Biol, Math)

Deans search: ♦ Greg Lindsey (SPEA) is chair.

Dean Bosron suggested it is important to be positive about the school, be confident that there is a way out of our problems, and the all faculty must be engaged in the search process.

The redesigned School Web page will be on line soon.

Business Agenda:

A motion for a voice vote to confirm the one candidate for Secretary/President-elect was made and seconded. ♦ Jane Williams (Psychology) was unanimously endorsed for this position.

The plan for this years Administrative Review was outlined by Ray Chin. ♦ The WEB based mechanism used last year (SURVEY MONKEY) is being used again this year. ♦ Associate Deans and Chairs will be reviewed

Watson briefly outlined bylaw changes that would impact faculty voting (basically incorporating all faculty as voting faculty). ♦ No substantial discussion was offered. ♦ The purpose of this discussion was to obtain feedback, thus a formal vote will be taken in the fall to accept or reject these changes.



Subsection 4. Evaluation of Administrations

The Dean's Administration shall be evaluated on behalf of the faculty in prescribed academic years by the Subcommittee for Administrative Review (SAR), which will consist of the Departmental Steering Committee Representatives, the President of the Faculty, and the Secretary of the Faculty. While the mechanism for this evaluation may vary, the mechanism must:

- a) be approved by the SAR,
- b) be based on input from the **Voting** Faculty,
- c) evaluate the Dean's Administration in the context of the tasks for which it is responsible, and
- d) be able to produce results by July 1 at the end of the prescribed academic year.

Each Department's Administration will also be evaluated in prescribed academic years by the SAR on behalf of the faculty of the respective Departments. While the mechanism for this evaluation may vary, the mechanism must:

- a) be approved by the SAR,
- b) be applied to all Departments,
- c) be based on input from the **Voting** Faculty of the respective Departments,
- d) evaluate the Chair's Administration in the context of the tasks for which it is responsible, and
- e) be able to produce results by July 1 at the end of the prescribed academic year.



The Dean will be reviewed by the SOS in his or her third full academic year in the role of Dean. Because the University conducts a campus-level review of the Dean on a five-year cycle, additional internal reviews by the SOS shall be conducted with appropriate timing so that the Dean is reviewed at least once every three years, either by the University or

II. Educational Policy Committee Report, Spring Semester 2007

Kathy Marrs

May 1, 2007

The Educational Policies Committee has the primary responsibility over the curriculum and academic standards for the School of Science. Among its responsibilities this committee shall:

- i. receive, review, initiate, or make recommendations to the Faculty concerning matters related to academic policy within the School of Science,
- ii. approve or disapprove of all courses to be added, dropped or significantly changed by any Department in the School of Science and report such action to the Faculty in a timely fashion,
- iii. conduct a continuing review of the educational policies of the School of Science in relation to the policies of other units of the university and the university as a whole.

Committee members, 2006-2007 Academic Year:

Phil Fastenau, Psychology
Kathy Marrs, Biology (Committee Chair)
Barry Muhoberac, Chemistry and Chemical Biology
Snehasis Mukhopadhyay, Computer and Information Science
Mike Penna, Mathematical Sciences
Jeff Swope, Earth Sciences
Steve Wassall, Physics

Non-voting committee members and staff aide:

Andy Gavrin, Dean's Office
Pam Crowell, Graduate Affairs, Dean's Office
Joseph Thompson, Staff Aide to the Committee, Dean's Office

Approved New Course Requests (Spring 2007)

FIS 206 *Concepts of Forensic Science II*
FIS 404 *Forensic Biology II*
GEOL-G306 *Earth Materials*
GEOL-G431 *Wetlands Ecosystem*
GEOL-G418 *Igneous and Metamorphic Petrology*
GEOL-G486 *Soil Biogeochemistry*
MATH 231 *Calculus for the Life Sciences I* (previously approved in fall 2006 as MATH 225)
MATH 232 *Calculus for the Life Sciences II*
MATH 518 *Advanced Discrete Mathematics*

Approved Course Changes (Spring 2007)

FIS 205 *Concepts of Forensic Science* title change to *Concepts of Forensic Science I* and a course description change.
FIS 401 *Forensic Science I* title change to *Forensic Chemistry I*.
FIS 402 *Forensic Science II* title change to *Forensic Biology I*.
FIS 403 *Forensic Science III* title change to *Forensic Chemistry II*.
MATH 441 *Foundations of Analysis* was approved to be changed to MATH 444 to be consistent with Purdue West Lafayette's numbering.
MATH 442 *Foundations of Analysis II* was approved to be changed to MATH 445 to be consistent with Purdue West Lafayette's numbering.
MATH 544 *Real Analysis and Measure Theory* had prerequisites changes approved based on numbering changes with MATH 441 to MATH 444.
STAT 523 *Categorical Data Analysis* had a title change to correct a typographical error.
Discontinued Courses (Spring 2007)

MATH 424 *The Teaching of Mathematics in Middle and Junior High Schools*
MATH 425 *The Teaching of Mathematics in Secondary Schools*

Approved New Policies (Spring 2007)

At the conclusion of each regular semester, a summary of the Educational Policy Committee course and policy approvals should be shared with lead advisors in each Department. It was also approved that a meeting with lead advisors be held once a year, at the end of the spring semester, to discuss the approved policies and courses.

Changes to the Forensic and Investigative Sciences Program were approved, including a new introductory course, FIS 206 *Concepts of Forensic Science II*.

FIS 205 *Concepts of Forensic Science I* will no longer be allowed to count towards Area IIIC Physical and Biological Sciences, based upon course revisions.

FIS 206 *Concepts of Forensic Science II* will be applicable to Area IIIC Physical and Biological Sciences.

TCM 220 *Technical Report Writing* was approved as a second composition course alternative. Departments who approved this option for their majors include biology, biotechnology, chemistry, physics, and psychology majors. The Department of Earth Sciences declined this option for geology majors. Decisions pending for computer science, environmental science and forensic science majors.

PHYS 100 *Physics in the Modern World* will not be allowed to count towards Area IIIC Physical and Biological Sciences, but may be used as a general elective.

A dual-degree program between the Department of Physics and the Department of Electrical and Computing Engineering was approved for physics and electrical engineering majors.

Policies Discussed (to be continued)

Internship opportunities were discussed, as the campus is moving to a more unified system of posting opportunities on the Web.

Electronic forms. ♦ As an informational item, many academic processes that require forms will be moving to an electronic mode. ♦
These include electronic withdrawal requests up to midterm and special credit approval.

Pending items to be discussed

Update on the Trustees ♦ resolution on general education requirements.

Update on IvyTech transfer courses and TransferIN.

Meeting Dates: ♦ 2006-2007 Academic Year:

The Educational Policy Committee has met twice since the last Faculty Assembly, and will meet once more in the coming weeks.

Meeting dates for the academic year: 10/7 10/30, 11/27, 2/2, 3/30, 4/27 (postponed until 5/7)

Prepared by Kathleen A. Marrs (Chair), and Joe Thompson, April 2007

**III. SoS Nominations and Awards Committee Report
(2006-2007)**

Jim Murphy, Committee Chair

Committee members:

Ruth Allen (Biology)
Ray Chin (Mathematical Sciences)
Jeffrey Huang (Computer and Information Science)
Jim Murphy (Psychology ♦ Chair)
Durgu Rao (Physics)
Gary Rosenberg (Earth Sciences)
Frank Schultz (Chemistry and Chemical Biology)

The SoS Nominations and Awards Committee met in November 2006 to discuss, review, and establish nomination procedures and guidelines for the upcoming meetings. ♦ The Committee also approved a new award category, the ♦ Full-Time Lecturer Service Award. ♦

The committee discussed allocation of the Trustees Teaching Award nominees among the seven school departments. It was agreed that each department would be permitted a set number of nominations according to a ratio based on the number of full teaching faculty in the department. The allocation is: Biology ♦ 2; Chemistry ♦ 1; Computer Sciences ♦ 1; Earth Sciences ♦ 1; Mathematics ♦ 3; Physics ♦ 1; Psychology ♦ 2. Departments were permitted nominees according to their allocation in each of two categories; tenure/tenure track faculty and lecturers. The committee evaluated all nominations in each category to select the most deserving recipients among the pool of nominations for the entire school, such that six awardees were selected from the tenure/tenure track faculty category and two awardees from the lecturer category.

During the spring 2007 semester, the Committee met four times to select the recipients of various Student, Staff, and Faculty awards. The recipients, along with their awards, are listed at the end of this report.

The committee concluded its charge by reviewing policies and procedures that should be addressed by the 2007-2008 Nominations and Awards Committee. ♦ Though the following rules have not codified into established procedures of the Committee, it is recommended that next year ♦s Committee should be more rigorous in establishing written rules and procedures to ensure uniformity from year to year in how award recipients are selected. ♦ Suggestions and or policies that should be revisited and firmly established before selecting awardees for the next year include:

- During the course of the committee meetings, the committee considered a request to accept an additional nominee for a School of Science award who was not selected by one of the seven departments. It was decided that this would violate the ♦ one nominee per department rule ♦ that has been standard for SoS awards, and the committee denied the request for the current year. However, it is suggested that the issue of ♦ at-large ♦ nominees should be considered next year before solicitation for awards is made to the departments.
- The date for submission of award nominees should be established before the start of the spring semester, and the deadline for submission of nominations must be strictly enforced.

- Time limits for the presentation and discussion of each nominee should be set and strictly enforced.
- There was some concern over unfair advantages when an award nominee is known to several committee members who can provide detailed support for the nominee in addition to information available in the dossier. ♦ At issue was whether this could cause bias against other candidates for the same award?
- The committee decided that a nominee for the School Teaching or Lecturer Teaching Awards, who did not receive the School ♦s award, would automatically be considered for one of the Trustees ♦ Teaching Awards. This policy should be reviewed and codified.
- The Trustees ♦ Teaching Award should be based primarily on the most recent information that pertains to teaching and documented teaching performance that is normally available in the individual ♦s annual report or annual departmental review.
- The committee should establish and adhere to a method for ranking all nominees for each award. Careful records of the ranking must be maintained. This is especially important should the top-ranked candidate subsequently be ruled ineligible.

At the last meeting, the N&A Committee announced that nominations would be sought for the SoS Faculty Assembly Secretary and for two faculty to serve on the IUPUI Faculty Assembly.

Also discussed was how faculty were selected to appear as representatives of the School of Science on the IUPUI outstanding faculty website. The committee was not aware of the procedures used to select faculty for this accolade and it is suggested that information of the procedures should be sought and reviewed by the committee.

Award Recipients

Teaching Award, in recognition of outstanding contributions in the area of teaching by a full-time faculty member.

Drew C. Appleby
Department of Psychology

Research Award, in recognition of outstanding contributions in the area of research by a full-time faculty member.

Gabriel M. Filippelli
Department of Earth Sciences

Service Award, in recognition of outstanding contributions in the area of service by a full-time faculty member.

None.

Academic Advising Award, in recognition of outstanding contributions in the area of academic advising by a full-time faculty or professional staff member.

Marie L. Nguyen
Department of Chemistry and Chemical Biology

Full-Time Lecturer Teaching Award, in recognition of outstanding contributions in the area of teaching by a full-time lecturer.

Chris W. Thomas
Department of Earth Sciences

Full-Time Lecturer Service Award, in recognition of outstanding contributions in the area of service by a full-time lecturer.

Judy E. McBride
Department of Mathematical Sciences

Associate Faculty Award, in recognition of outstanding contributions in the area of teaching by an associate faculty member.

Michelle R. Muething
Department of Psychology

Partners in Education Full-Time Staff Award

Established in 1999-2000, the Partners in Education Full-time Staff Award recognizes staff that make significant contributions in support of their departments and the mission of our School. ♦ This award acknowledges an individual or individuals whose performance is most notable among his or her peers and who demonstrates exemplary service.

Debbie D. Dailey
Department of Mathematical Sciences

Teaching Assistant Awards

Joshua R. Dyer
Department of Psychology
Major: Clinical Rehabilitation Psychology

Bonnie G. Stevenson
Department of Chemistry and Chemical Biology
Major: Biology
(Note: Bonnie is employed with the Department of Chemistry and Chemical Biology, but is a Biology major.)

The Trustees Teaching Award

The Trustees Teaching Award honors individuals who have a positive impact on learning through the direct teaching of students, especially undergraduates. ♦ Award recipients must have demonstrated a sustained level of teaching excellence and must have completed at least three years of service at IUPUI or IUPUC to be eligible.

Trustees Teaching Award for Tenured/Tenure-Track Faculty

John F. Kremer
Department of Biology

Kathy J. Licht
Department of Earth Sciences

Eugene Mukhin
Department of Mathematical Sciences

Martin J. O ♦ Donnell
Department of Chemistry and Chemical Biology

B.D. Nageswara Rao
Department of Physics

John C. Watson
Department of Biology

Trustees Teaching Award for Full-time Lecturers

Lisa C. Ehrmann
Department of Psychology

Henry A. Hernandez
Department of Mathematical Sciences

Chancellor ♦ s Scholar Award

Kristen K. Walker
Major: Computer Science
Minor: Mathematics

Chancellor's Undergraduate Research Award Nomination

One nomination per academic unit/school sent to campus competition.

Eric M. Woerly
Major: Chemistry
Minor: Mathematics

John D. Barnwell Award

Katie J. Schenk
Major: Psychology *and* Herron Fine Arts

Frank G. and Ernestine M. Lambertus Award

David A. Ross
Major: Math Education

IV. Graduate Committee Report to the SOS Faculty Assembly

4/26/07

Pam Crowell, Chair

The Graduate Committee participated in the following activities during spring semester:

- Recruiting prospective students at the March IUPUI Graduate Open House
- School of Science Research and Graduate Education strategic planning team
- Planning for NSF graduate fellowship grants

V. SOS Library committee Report to SOS Faculty Assembly

4/25/07

Marcos Betancourt, Chair

Around Nov 28, we agreed on how to split the monograph funds (\$50,000 total) for each dept. We also decided on not to use these funds for other activities, such as the PMC students request.

VI. SOS Research Committee Report to the SOS Faculty Assembly

4/26/07

Pam Crowell, Committee Chair

1. The Research Committee reviewed and ranked 30 Purdue Research Foundation (PRF) research, international travel, and summer faculty applications. The School of Science has been empowered by Purdue to make final decisions on the PRF research and international travel awards, and the School decisions are made by the Research Committee. Purdue selects summer faculty awards based on recommendations by the Research committee.

PRF Research Award: Stephen Wassall, Physics

PRF International Travel Awards:

Olgata Buse, Mathematical Sciences

Jake Chen, Computer & Information Science

Dring Crowell, Biology
Yuanshun Dai, Computer & Information Science
Rodrigo Perez, Mathematical Sciences
Vitaly Tarasov, Mathematical Sciences
Xukai Zou, Computer Science

PRF Summer Faculty Awards:

Fang Li, Mathematical Sciences
Pierre Andre Jacinthe, Earth Sciences

VII. Technology Committee Report Spring 2007

Presented 5/1/07

A. Gavrin, Chair

Purpose: To make recommendations to the Dean for the use of student technology fee money, and to discuss and recommend technology strategies for the School of Science

At the Fall meeting, I reported

Due to the well-known budget difficulties in the School, technology fee allocations made to the departments in 04-05 and previous years were reclaimed to offset the School's deficit. The status of projects from 05-06 will be reviewed. In order to remain true to the intent of the STF, the school will use reclaimed funds to support technical staff salaries in the departments, to the extent to which departmental staff support student technology.

The outcome of this is now clear. All reclaimed funds were used as indicated, to offset the deficit by supporting the salaries and benefits of staff who have significant student technology responsibilities.

Subsequently, the committee has met and discussed the distribution of those funds remaining in the 2006-07 budget and priorities for future spending. In summary, the main points are

1. Remaining 06-07 funds were distributed in equal amounts (\$8,000) to the departments for use in maintenance of existing STF supported projects.
2. Future budgets will be allocated to support operations and assessments on SL070, staff support, and maintenance. Remaining funds will be used to support new projects. This differs somewhat from prior years practice in that staff support will be included, but assessment on facilities other than SL070 will not.