

## MINUTES OF THE UNIVERSITY SENATE

The May 9, 1978 meeting of the University Senate was called to order by Chairman Dale Landon at 3:25 p.m. in Pratt Auditorium.

The following Senators were excused from the meeting: Senators Ferguson, Mattox, Millward and Syty.

In addition, the following Senators were absent from the meeting: Senators Andrew, Baker, Bilicic, Bowes, Chambers, Charnego, Cunningham, Dakak, Dock, Fry, Fuget, Gaylor, Gillis, Hudson, Chu, Klein, Knowlton, Lin, McNamara, Moore, Murdoch, J. R. Murray, Park, Pesci, Rizzo, Robbins, Russell, Swauger, Warren, Wiley, Buckley, Oparah, Getz, Bowers, Cegelis, DiCarlo, Fine, Goshorn, Griffie, Hoza, Kaminski, Lamm, Law, McGinty, Mandell, Power, Richmond, Sabol, Sands, Taylor, Whited, Bock, and Chohany.

On a motion by Senator Tackett, seconded by DeFurio, the minutes of the April 25, 1978 meeting were approved as published, with two corrections: Lois Rupert to be listed as excused rather than absent; and in the report of Committee D (Graduate), Dual-listings, should read SO 542 rather than AN 542.

Chairman Landon made the following announcements:

1. In response to a request from the Faculty Segment of the President's Cabinet to have the Senate establish a committee to investigate the possibility of establishing an Academic Convocation at IUP, he will appoint an ad hoc committee for that purpose.
2. As per information from the Vice Chairman of the Senate, students who desire to change committees should get in touch with the Vice Chairman of the Senate.
3. Expressed thanks to the committees and members of the Senate for their cooperation throughout the year.

As an item of Old Business, Senator Wayne Smith announced that since the Senate, at its April 25 meeting, had passed a resolution in support of the Library, it should be aware that the Library will be losing another librarian. It currently has 17 permanent librarians, and two temporary ones who will be here only until the end of May. Then in the fall, another permanent member will be added. Sen. Smith expressed concern at this development and Senator Goodrich agreed that this information should be submitted to the Board of Trustees.

Committee A (Rules) made the following announcements:

1. As soon as student Senate elections are held, committee complements will be submitted to the present committee chairmen.

2. The following are the dates of the 1978-79 Senate meetings:

September 19, 1978	February 6, 1979
October 17, 1978	March 6, 1979
November 14, 1978	April 3, 1979
December 12, 1978	May 8, 1979

3. Senate Committee Election Results:

<u>Committee A</u> - Administrative Segment	Charles Kofoid
<u>Committee A</u> - Faculty Segment	Margaret Bellak Ruth Anderson Arthur Hulse Thomas Schaub Robert Millward Donald McFeely
<u>Committee B1</u> - Faculty and At-Large Segments	Lorrie Bright (At-Large) William Wegener Frederick Park Diane Duntley
<u>Committee B2</u> - Faculty Segment	Joseph Costa Helena Smith Anthony DeFurio Dennis Tiger Gary Buterbaugh Warner Tobin
<u>Committee D</u> - Faculty Segment	Ronald McBride Donald McClure James C. Wilson
<u>Committee E</u> - Faculty and At-Large Segments	Jerry Ice (At-Large) Stanford Tackett William Rettig Gerald Buriok Don-chean Chu
<u>Committee F2</u> - Faculty Segment	Andrew Browe Ruth Podbielski
<u>Committee G</u> - Faculty Segment	George Walz Richard E. Wolfe Ronald Simkins
<u>Committee I</u> - Faculty Segment	Donna Graham Dean Ford

Committee A Chairman Kofoid recommended approval of the Revised Senate Constitution and By-laws as distributed, effective September 1979.

Senator Holman questioned the purpose of the Senate, as stated in the revised Constitution. He stated that it appears that the Senate is only a recommending body, but for recommending what types of policies; where do these policies originate? Senator McClure agreed, saying that he doesn't feel that the present Senate has the powers which the present Constitution claims, that the Board of Trustees has ultimate responsibility and authority; stated that this revised Constitution claims no responsibility or authority and feels it should be rejected.

On a motion from Senator Hennemann, seconded by Senator Holman, action on this revised Constitution and By-Laws was tabled until September 1978.

Committee E (Faculty Research, Library and Educational Services) made the following announcements:

1. Expressed thanks to members of the committee, especially those who will not be serving on the committee next year.
2. Announced the awarding of four grants not in excess of \$500, as listed on an attachment to these minutes (Attachment A).
3. Announced that there will be another call for research proposals this fall; the committee will accept only one proposal each year from each person.
4. Announced that two honorary awards will be announced at Commencement, one for scholarship and one in the creative arts.

As recommended by Committee E, thirteen research proposals in excess of \$500 were approved by the Senate. It was suggested by members of the Senate that the information on research proposals which are being brought before the Senate for approval should be submitted to the Senators in time that they may study them before being asked to vote approval. (Attachment B)

Committee G listed the following as the Governor's Proposed Capital Budget for IUP for 1978-79:

1. Boiler Plant Improvements - Phase II - includes installation of covered coal storage area. Total cost: \$885,000.
2. Rehabilitation of steam distribution system - replacement of steam lines. Total cost: \$725,000.
3. Improvements to electrical distribution system - installation of a new circuit for six buildings south of Maple Street. Total cost: \$702,000.
4. Rehabilitate campus fire protection system, larger water mains, replacement and addition of fire hydrants. Total cost: \$559,000.
5. Handicapped Standards Improvements. Total cost: \$819,000.
6. Fire and Safety Improvements in classroom buildings - installation of sprinkler and emergency lighting systems for Uhler, Wilson and McElhaney Halls. Total cost: \$282,000.

On the recommendation of Committee G, the Senate approved the assignment of Room 333, Sutton Hall, to AFSCME.

Committee G requested approval of the following Capital Budget Proposal for IUP for the 1978-79 academic year, as prepared by Committee G:

1. Library Phase II
2. Original Equipment, Library Phase I
3. Renovation of McElhaney Hall
4. Renovation of Weyandt Hall
5. Renovation of Memorial Field House, including addition
6. Renovation of Ackerman Hall
7. Renovation of Waller Hall
8. Renovation and expansion of Cogswell Hall
9. Renovation of Uhler Hall
10. Original Equipment, Library Phase II
11. Renovation of Keith Hall
12. Renovation to University Warehouse, plus land acquisition
13. Parking lot acquisition and development

Senator Lenglet announced that there hasn't been a Capital Budget approved since November of 1974. He also indicated that Harrisburg is more inclined to approve expenditures necessary for the protection of the physical plant or those which comply with handicapped regulations.

Senator Brown moved, and Senator Carter seconded, that action on this Proposed Capital Budget be tabled until September and requested that the committee submit more specific information concerning costs for these projects. This motion to table was defeated and the listing as submitted by Committee G was then approved by the Senate.

A motion by Senator Goodrich, seconded by Senator Brown, and passed by the Senate divided the report of Committee B2 (Curricula) into three sections before recommending approval and discussion.

As recommended by Committee B2, the following new courses were approved:

- HO 452 - Internship in Home Economics Education - 1-12 credits
- AR 485 - Internship - 3-12 credits
- AH 419 - Museology - 3-12 credits
- PC 376 - Environmental Psychology - 3 credits

On the recommendation of Committee B2, the Bachelor of Science degree in Education for the Hearing Impaired, and the following new courses, were approved:

- EH 114 - Introduction to Education of the Hearing Impaired - 3 cr.
- EH 243 - Total Communication - 2 cr.
- EH 260 - General Methodology for Education of the Hearing Impaired - 3 cr.
- EH 308 - Speech and Language for the Hearing Impaired - 3 cr.
- EH 330 - Hearing Practicum - 2 cr.

Committee B2 then recommended approval to change English 101 - English I - from 4 credits to 3 credits. During the course of the discussion on this matter, it was learned that this item had originally been recommended by the English department staff members, but several of those who originally were in favor of it have now changed their minds, and therefore urged rejection of this change. These faculty members have decided that this change is not necessarily in the best interests of the student and would not improve the quality of education.

Senator Helmrich moved that this item be returned to Committee B2; it was seconded by Senator Chu. Senator Chellman, Chairman of Committee B2, indicated that there wasn't much purpose in returning it to his committee, as they had approved it on the recommendation of the department and the school dean and had felt that this was what the department wanted; but that it appears now that the English Department staff has changed its mind. This motion to recommit was then defeated by the Senate.

A motion by Senator Bisignani, seconded by Senator McTighe closed debate on this credit reduction, which was then defeated by the Senate.

The following recommendations of Committee D (Graduate) were approved the Senate:

1. Graduate Course Numbering Policy: that, by January 1, 1979, all dual-level graduate courses, i.e., courses open to both undergraduate and graduate enrollment, carry a 500-599 number with the last two digits of each the same as the course's undergraduate counterpart, and all courses open only to graduate students carry 600 and above numbers.
2. Dual-listing of the following Foundation of Education courses:
 

FE 533/FE 422	School Law	2 s.h.
FE 554/FE 454	Public School Administration	3 s.h.
FE 556/FE 456	Issues & Trends in Education	3 s.h.
3. New Psychology Courses:
 

PC 603	Evaluation Research	3 s.h.
PC 635	Advanced Psychopathology	3 s.h.
PC 644	Methods of Intervention II	3 s.h.
PC 647	Clinical Group Techniques	3 s.h.
PC 654	Theory and Research in Organization Psychology	3 s.h.
PC 670	Professional Issues	3 s.h.
4. New Labor Relations Courses:
 

LR 622	Discrimination in Employment	3 s.h.
LR 623	Structure and Government of Unions	3 s.h.
LR 624	Comparative Labor Relations	3 s.h.
LR 681	Special Topics in Labor Relations	1-3 s.h.
LR 690	Seminar: Current Issues in Labor Relations	3 s.h.
5. New Program: "Master of Science in Sport Sciences" with the following supportive courses:
 

HP 600	History and Philosophy of Sport	3 s.h.
HP 601	Sport and Society	3 s.h.
HP 602	Sport Psychology	3 s.h.
HP 603	Physiological Basis of Sport	3 s.h.
HP 631	Motor Learning	3 s.h.

HP 632	Assessment of Human Physicological Functions	3 s.h.
HP 633	Kinesiological Principles of Sport	3 s.h.
HP 641	Organization and Administration of Aquatic Programs	3 s.h.
HP 642	Planning, Design and Operation of Aquatic Facilities	3 s.h.
HP 680	Seminar	3 s.h.
HP 681	Special Topics	1-3 s.h.

6. New Graduate Courses in the Music Department:

MU 622	Composition II	3 s.h.
MU 623	Composition III	3 s.h.

7. Dual-listing of the following Music courses, provision having been made for undergraduate-graduate credit differentiation:

MU 506	Voice Pedagogy	2 s.h.
MU 509	Piano Pedagogy	2 s.h.
MU 551	Italian/English Dict.	2 s.h.
MU 553	French Diction	2 s.h.
MU 554	German Diction	2 s.h.
MU 575	Music Ensembles	1 s.h.
(Could be taken more than once. Currently graduate students participate in ensembles but receive no credit. Ensemble credit would not count toward degree.)		
AM 521, 571, 621, 671	Private Guitar I - IV	
AM 552, 572, 622, 672	Private Accordion I - IV	
(These eight courses carry 1, 2, or 4 credits each. A maximum of 4 credits may be taken by Music Educ. majors, 12 credits by Performance majors.)		

8. Dual-listing of the following Art course:

AH 519	Museology	3-6 s.h.
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9. New Graduate Course in Labor Relations:

LR 611	Development and Theory of the Labor Movement	3 s.h.
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10. Expansion of the Special Topics course offered by the Biology Department from 1-3 s.h. to 1-4 s.h., the course to be listed as BI 681, Special Topics.

11. HI 598 - Graduate History Internship - 3 credits, for Summer 1978 only.

Committee F1 (Student Affairs) submitted the following for Senate information:

1. Approval of the IUP Karate Club, Mr. David E. Tosh, Advisor, Business Administration Department.
2. All organizations presently recognized should have a Constitution on file by the end of the Fall Semester, 1978. Any organization that fails to have their approved constitution on file will be denied recognition as an organization of Indiana University of Pennsylvania.

Chairman Landon read the following memorandum from the Vice Chairperson of the University Senate, Althea McTigh:

Subject: Position of Vice Chairperson

"It was a privilege to serve as Vice Chairperson of the University Senate for the past semester. However, with deepest regrets, I feel I must resign my position for personal reasons. Although, I still wish to remain active in the University Senate, but in a different capacity, for the upcoming year."

The meeting was adjourned at 5:20 p.m.

Respectfully submitted,

Elizabeth M. Troxell  
Secretary

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The Research Subcommittee of Committee E (Faculty Research, Library and Educational Services) of the University Senate announces the awarding of the following four grants not in excess of \$500, with the understanding that the funds must be spent or encumbered by June 30, 1979. Total cost of these awards is \$1,273.00. These awards are made according to the current Guidelines of the University Senate for Funding Research and Scholarly Activity and Procedures and Stipulations: Research and Scholarly Activity Grants with State Funds Allocated by the University.

1. William Betts. "Bell, Book, and Bucket", a magazine article descriptive of the one-room country schoolhouse, \$50.00.

The essay presents the schoolhouse as it was during the nineteenth century and through the first 70 years of the twentieth century, and accounts for its vanishing (the last of the schools was closed in 1970 -- the New Wilmington area).

Funds will meet the following expenses: for a photographer (James Wakefield of R. D. 2, Indiana, Pa.) to take photographs and develop the prints (estimated fee \$50.00). This \$50.00 should cover also the photographer's travel expenses, approximately going a distance of 50 miles away.

2. William R. Forbes. The Development of a Reliable Method of Breeding the Mexican Axolotl (*Ambystoma mexicanum*), \$263.

The ultimate intent of the attached proposal is to investigate the effects of hormones, temperature, and light on the breeding of the mexican axolotl (*Ambystoma mexicanum*) in order to develop a reliable method of producing large numbers of fertile eggs. The axolotl is a favorite animal of the developmental biologist because it is of use in the study of embryonic development, aging, genetics, regeneration, and cancer. Its value is limited only by the fact that it is difficult to breed. The aim of the work proposed is to alleviate this problem.

3. Pothan Varughese. Nucleophilic Substitution Reaction with Anion Exchange Resins, \$500.

The proposed research is the application of a relatively new synthetic technique to the preparation of mono- and di-alkylated products from active methylene compounds and phenols. Macroporous ion exchange resins which have become very recently available from commercial sources have the property to be compatible with organic molecules and will be used as polymeric reagents for the organic syntheses mentioned above. This technique eliminates the need for tedious and time-consuming product isolation methods commonly employed in organic synthesis and thereby improves considerably the chances of high yields of the products. The polymer can be easily filtered off after the reaction and hence the isolation of the products becomes simpler.

4. Paul Wunz, Reaction of Aliphatic Diamines with Halogens, \$460.

Preliminary work has shown that bromine will act with a water solution of k, 3-diaminopropane, a chain type molecule to form a brominated heterocyclic molecule, 3, 4, 5-tribomopyrazole. The purpose of the proposed research is to investigate the scope of this reaction.



The University Senate approved the following thirteen grants in excess of \$500, with the understanding that the funds are to be spent or encumbered by June 30, 1979. Total amount of these awards is \$17,278.44 and are granted in accordance with the Guidelines of the University Senate for Funding Research and Scholarly Activity and Procedures and Stipulations: Research and Scholarly Activity Grants with State Funds Allocated by the University.

1. Thomas E. Crumm, Electrochemical Behavior of Bis-cyclopentadienyl Titanium (IV) Compounds, \$1150.

Since their first reported synthesis in 1953, Bis-cyclopentadienyl Titanium (IV) compounds have received considerable attention. In large part, this is due to their catalytic activity in the industrial polymerization of olefins. More recently, these compounds have been investigated as possible catalysts for chemical nitrogen fixation processes.

The purpose of this research is to study the electrochemical properties of selected Bis-cyclopentadienyl-Titanium (IV) compounds in a non-aqueous solvent system. These investigations should provide insight into factors responsible for the catalytic activity of this class of compounds. Furthermore, this work may indicate possible electrochemical methods for synthesizing organotitanium compounds unattainable by conventional chemical means and for generating organotitanium catalysts in situ.

2. Ruth DeCesare, Research and Implementation of Strategies and Resources for Teaching Exceptional and Handicapped Students in Public School General Music Classes, \$1,850.

This proposal encompasses research of publications, documented strategies and programs or model sites concerned with, and leading to, the implementation and ultimate publication of aesthetic music experiences for the intermediate level exceptional student. It is conceived as a natural follow-up to a previous grant for primary grades. Handicapped students are presently being entered into public school general music groups and regular class settings in accordance with legislative directives of PL 94-142, the Education for All Handicapped Children Act of 1975.

3. Richard A. Hartline, Investigation of the Enzymatic Basis for the Divergence of Two Metabolic Pathways Following Convergence, \$1,920.

The proposed research is designed to obtain evidence for the validity of the proposed biological necessity for divergence of a pathway following convergence with another pathway. It is necessary to: 1) Survey for the specific activities of the predicted enzymes of the glyoxalate shunt and the TCA cycle in cells grown on glutarate and ascertain that enzymes of both are functioning; 2) Survey for the lack of enzyme activity of the presumed ATP inhibited step of the TCA cycle in cells grown on pipecolate; 3) Ascertain that the presumed ATP inhibited step of the TCA cycle is sensitive to ATP concentrations in cells grown on a variety of compounds but is functional when the ATP concentration is low; 4) Assay for the ATP concentrations in cell grown on pipecolate, where it should be high, and in glutarate cells, where it should be low, etc.

4. Arthur C. Hulse, Comparative Demography and Reproduction in Parthenogenic and Biparental Whiptail Lizards, \$1,200.

The proposed research represents a continuation of a study involving investigations into the demography and reproductive strategies of three species of whiptail lizards inhabiting the deserts and mountains of southeastern Arizona. My intent is to elucidate on their ecologies and reproductive strategies and to determine how the parthenogenic life style affects those parameters. The data gathered will also be used in a comparison with the known ecologies of sceloprine iguanid lizards inhabiting the same general geographic region and habitats.

5. Dale E. Landon, Development of Oral History Files for the University Archives in Connection with the History of Indiana University of Pennsylvania, \$1,784.

The proposal for research and scholarly activity is in connection with the history of Indiana University of Pennsylvania. Basically, what I intend to use the research funds towards is the development of an oral history file on the University which will be deposited in the University Archives and which will therefore not only add to our archival collection, but will also be a source for future research.

6. Larry Miller, A Book on the Social Thought of William James, \$1,311.

I propose to write a book on the social thought of William James. The importance of James is generally recognized by scholars, but no one has ever systematically studied the relationship between his theoretical orientations toward social issues and his social behavior. This book should therefore fill a significant gap in the scholarly literature. The funds will be used to hire a research assistant to help prepare a draft of the book next year when I have arranged a leave without pay to work full time on writing the book.

7. Edgar W. Moore, Research at University of Arizona, Tucson, in the John Lorenzo Hubbell Papers, at the Hubbell Trading Post, N.P.S. in Ganado, Arizona and in the Frank McNitt Collection at the New Mexico Department of Records and Archives, \$1,697.34.
8. Suzanne T. Perlono, The Rome Prize and its Relationship to the Performance and Publication of Contemporary American Music, \$896.

The aim of the proposed project is to complete an extensive investigation into the creative output of the almost 70 composers who have won the Rome Prize from the American Academy in Rome. The student will delve into the problems inherent in the publication and performance of contemporary music by using as a control group the 70 or so composers from 1920 to 1977 who have won the Prize, but whose compositional techniques and successes through performance and publication are extremely varied. The finished article and subsequent book will fill a bibliographical gap, one which the Academy itself has hoped would be filled for some time. It will also attempt to promote the performance of contemporary music through dissemination of information about the composers' works both in score and recordings.

9. Thomas R. Schaub, Publication of Archaeological Finds from Jordan, \$1,080.

The project specifies thirty days salary for an experienced artist to complete the drawing for publication of archaeological material excavated in May and June of 1977 at the sites of Bab edh-Dhra' and Numeira in Jordan.

10. Carl W. Schneider, An Interdisciplinary Investigation of the Mechanisms Underlying Alcohol Tolerance in Different Mouse Strains, \$1,280.

This is an ongoing project investigating the mechanisms underlying brain sensitivity to alcohol. This study is designed specifically to determine whether or not a mouse voluntarily consuming alcohol experiences the typical pharmacological effects associated with human consumption. This question is important for the justification of use of an animal model in the investigation of biological mechanisms that may be involved in alcoholism.

11. Augusta Syty, A Method for the Determination of Metals in Paper by Atomic Absorption Spectrometry, \$686.10.

Direct atomic absorption determination of several trace-level metallic contaminants in paper will be carried out. The method will be adapted for different kinds of paper, including varieties used in food packaging. The main merit of the project is in developing a method which will allow direct analysis of solid samples in the heated graphite atomizer, eliminating all sample pretreatment steps. This will improve the speed of atomic absorption and analysis and minimize sample contamination errors. Efforts will be directed at finding the optimum analysis conditions for each test metal in each paper matrix and at eliminating spectral or chemical matrix interferences, should any be detected.

12. Dorothy C. Vogel, Oral History Study of Working Women in Indiana County, \$693.

The project I am proposing involves a predominantly oral history study of the attitudes, perceptions, and experiences of working-class women.

13. John T. Wood, Investigation of the Synthetic Utility of the Metal Induced Sulfur Dioxide and Sulfur Trioxide Elimination Reaction, \$1,731.

To satisfy the growing needs for a wide variety of industrial chemicals as energy sources and to reduce the formation of industrial waste products, current research must rely heavily on the study and development of new catalytic processes. The proposed research is concerned with the metal catalyzed elimination of sulfur dioxide and sulfur trioxide species from sulfinic and sulfonic acids. The chemistry of the production of these compounds is well known due to the demand for them as surfactant or detergent precursors. It appears that development of these materials as a source of reactive intermediates via metal catalyzed elimination of the sulfur compounds should be very useful. This may also provide a quick and relatively mild method for desulfonation of a detergent. This must be done before it can be analyzed in connection with environmental pollution. In direct analogy to the metal catalyzed loss of  $\text{CO}_2$ , the reaction will be carried out using the cuprous species and quinoline as the complexing solvent.