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Faculty Newsnotes

Faculty News

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1977-09-01

## Faculty Newsnotes 1977 No. 79

Office of the Provost

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## FACULTY NEWSNOTES

Edited by Provost's Office

September 1, 1977

#79

### OFFICE OF THE PRESIDENT

#### Condolences:

The University of San Diego community extends its sympathy and prayer to Dr. Eugene Labowitz, Assistant Professor of Sociology, on the death of his brother.

#### Welcome:

I would like to extend greetings to all faculty and staff upon the opening of the 1977-1978 academic year, and to welcome particularly new members of the University Community. We are happy that you have joined us and hope that your experience at the University of San Diego will provide you both personal and professional fulfillment.

#### All-University Meeting:

→ I ask that you reserve the time period 12:15 to 1:15 p.m. on Tuesday, October 4, 1977, in order to attend a meeting of all University faculty members in Salomon Lecture Hall. Administrators and professional staff are also invited. The principal purpose of this meeting is to review with the faculty the current financial status of the University.

#### Mass of the Holy Spirit:

The University's annual opening all-University Mass of the Holy Spirit will be held on Friday, September 9, 1977 at 12 noon in the Immaculata Church. Members of the faculty and administration are cordially invited to participate in this Mass to ask God's blessing on the University and its students as we enter a new academic year.

#### Tenure and Promotion:

I am pleased to announce the following promotions, effective this September, 1977:

To Professor:	Dr. Harvey Levine (Law)
	Dr. Edmund Ursin (Law)
	Dr. William Wang (Law)

To Associate Professor:

Dr. Dwight Bean (Mathematics)  
 Dr. Dennis Clausen (English)  
 Dr. Paul Freeman (Law)  
 Dr. Patricia Feulner (Sociology)  
 Dr. Michael Haney (Psychology)  
 Professor Marjorie Hart (Music)  
 Dr. Charles Holt (Economics)  
 Dr. James Hottois (Assistant Dean, Arts and Sciences)  
 Dr. Daniel Moriarty (Psychology)  
 Dr. Frank Young (Anthropology)

The following are tenured faculty members at the University of San Diego, effective in September, 1977:

Dr. Dennis Clausen (English)  
 Dr. Robert Corbeil (Biology)  
 Dr. Ralph Folsom (Law)  
 Mrs. Brigitte Halvorson (German)  
 Dr. Ronald Hill (English)  
 Dr. Charles Holt (Economics)  
 Dr. Paul Horton (Law)  
 Dr. Rodney Jones (Law)  
 Dr. Charles Lynch (Law)  
 Dr. Angelo Orona (Anthropology)  
 Dr. Irene Palmer (Nursing)  
 Dr. Dessie Severson (Biology-effective Spring, 1977)  
 Dr. Robert Simmons (Law)  
 Dr. Edmund Ursin (Law)

Sabbatical Leave Requests (including reports on 1976-1977 leaves):

Requests for sabbatical leave in the year 1978-1979 should be submitted by Friday, October 14, 1977. After reviewing them with the Provost, Dean, department chairperson (where applicable), and University Cabinet, I will submit approved requests to the Board of Trustees at their meeting of November 4, 1977.

Sabbatical leave requests should follow the requirements of the University of San Diego Policy (see Faculty Handbook) on sabbatical leave, and should be addressed to me, but given to the Dean of the faculty member's School/College for checking for completeness and clarity. They should be in triplicate, so that the Dean can forward the second and third copies to the Provost and to me. Faculty members in the College of Arts and Sciences should submit a copy to the department chairperson as well as to the Dean. Projects should be discussed by the faculty member with Deans and department chairpersons at the time of the request, so that they will be able to respond to the Provost's and my questions concerning the precise nature of the project.

Faculty members who had sabbatical leaves during 1976-1977 are asked to file their reports, in accord with the USD Policy, page 2, by October 31, 1977.

## Long Range Planning:

Ever since the merger of the College for Men and the College for Women in 1972, long range studies have been going forward on how to develop the full potential of the University. The Board of Trustees has led the way. In 1975/76, four Task Forces, each headed by a member of the Board and composed of Trustees, administrators, faculty, and students, met regularly to plan for the future. The major outcome of this first phase was a preliminary fund-raising case statement describing the mission of the University and some of its specific goals.

The second phase of the Development/Long-Range Planning project began in February, 1977 as a more formalized long-range planning endeavor at Cabinet level, utilizing a scheme for an annual comprehensive planning process which Bob Barr, Assistant to the President and Provost, and I have been developing. The Cabinet has been considering, for example, whether we should adopt an enrollment ceiling beyond which we would not grow without a major reevaluation of our mission and nature. Areas which will receive annual planning attention include: enrollment projects and policies, academic programs, personnel projections and policies, student outcomes, faculty development, student affairs, fund raising, learning resources, space and facilities, academic support services, and organizational processes and structures.

On September 19, Sister Sally Furay, Provost, Jack Boyce, Vice-President for Financial Affairs, Joe Pusateri, Arts and Sciences Dean, Bob Barr, and I will attend a three day planning conference in Chicago organized by the Academy for Educational Development. This is part of a year-long project, sponsored by a grant from the W.K. Kellogg Foundation, to help various colleges and universities improve their planning process. Thirty institutions are participating. There will be a follow-up conference in June as well as telephone consultations and a visit by an Academy staff person. The Academy project is being directed by John Millett, Director of their Management Division, who is a highly regarded expert in higher educational planning and management.

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## OFFICE OF THE PROVOST

### New Professional Appointments:

The University of San Diego is happy to welcome on board for 1977-1978 the following new full-time appointees:

#### New Faculty Appointments for 1977-1978:

##### College of Arts and Sciences:

Dr. Louis Burnett, Assistant Professor of Biology  
 Dr. Stanley Gurak, Assistant Professor of Mathematics  
 Dr. James Otte, Assistant Professor of History  
 Reverend Nicholas Reveles, Lecturer in Music and Campus Ministry Associate  
 Dr. Dennis Rohatyn, Associate Professor of Philosophy  
 Dr. Steven Shoenherr, Assistant Professor of History  
 Dr. Michael Soroka, Assistant Professor of Sociology  
 Dr. E. Jane Via, Assistant Professor of Religious Studies

In addition, three faculty members in Arts and Sciences who have held part-time, temporary, or replacement appointments in the past have been appointed to the regular, full-time faculty. They are:

Dr. Lawrence M. Hinman, Assistant Professor of Philosophy  
 Professor DeLoss H. Mc Graw, Assistant Professor of Arts  
 Dr. Lynne B. Small, Assistant Professor of Mathematics

#### School of Business Administration:

Professor Nancy Ellen Cook, Assistant Professor (Accounting)  
 Dr. Roger Glaser, Assistant Professor (Quantitative Methods)  
 Dr. Philip Hunsaker, Associate Professor (Management)  
 Dr. Carol Morris, Assistant Professor (Marketing)

#### School of Education:

Dr. Edward Kujawa, Jr., Assistant Professor of Education

#### School of Law:

Dr. Richard B. Amandes, Visiting Professor of Law  
 Dr. Michael Evans, Clinical Assistant Professor of Law  
 Dr. Robert Fellmeth, Visiting Associate Professor of Law (Spring, 1978)  
 Dr. W. Garrett Flickinger, Visiting Professor of Law (Fall, 1977)  
 Dr. C. Hugh Friedman, Professor of Law  
 Dr. John H. Minan, Visiting Associate Professor of Law  
 Dr. Virginia Shue, Visiting Assistant Professor of Law  
 Dr. Robert Spjut, Visiting Associate Professor of Law  
 Dr. Nathaniel L. Nathanson, Distinguished Visiting Professor of Law  
 Dr. Barry Zaretsky, Visiting Assistant Professor of Law (Fall, 1977)  
 Professor Mary Ann Hautman, Assistant Professor of Nursing  
 Dr. Evelyn Sobol, Associate Professor of Nursing  
 Professor Mary Wiley, Assistant Professor of Nursing

#### Administrative Appointments

Ms. Janice Banno, Director of Development  
 Mrs. Barbara Burke and Dr. Diane Glogowski, Co-Directors of Career Planning/  
 and Placement (shared position)  
 Reverend Patrick Cahill, Residence Hall Director and Director of Intramurals  
 Mr. Donald Johnson, Chief of Safety and Security  
 Ms. Marguerite I. Most, Assistant Librarian, Law Library  
 Ms. Nanette Oser, Director of Placement/Alumni Relations, School of Law  
 Mr. John Peterson, Director, Executive Programs, School of Business Administration  
 Ms. Susan Quinn, Administrative Director of Graduate Career Programs  
 Mr. Norman Snell, Director of Personnel  
 Ms. Kathleen Walsh, Admissions Counselor  
 Ms. Jeannette Zavacky, Director, Residence Hall Programming



### NSF Chautauqua-Type Short Courses for College Teachers of Undergraduates:

Attached to these Newsnotes are several pages describing the 1977-1978 Chautauqua-type Short Courses for the Western Circuit. Copies of the course descriptions and applications are available in the office of the Dean of Arts and Sciences, should any faculty members wish more information.

### Renovation, Remodelling, and Upgrading Projects:

Returning (as well as new) faculty should take a campus tour to view all the renovated and remodelled projects. You have doubtless already discovered the new east entrance of Marian Way, taking the campus artery road out to the existing light. Linda Vista Road improvements were supposed to be finished about now, but strikes and other problems have delayed the project; hopefully the widening will be completed by the end of this calendar year. Right next to the east entrance, adjoining the parking lot which has been used by University High, but now reverts to University use, is the newly remodelled School of Business Administration facility. Changes in the next building, the Law Library, involve mostly rearrangement of faculty and other offices, along with removal of the legal clinic offices and the Lou Brown room to More Hall. The new courtroom on the top floor of More Hall is not completed yet, but is far enough along to be most impressive. (Its dedication is set for November 7.)

You will hardly recognize the Serra Hall entrance or its occupants. The Dean of Students office is still there, in a somewhat altered configuration. Next door is the remodelled Financial Aid office, with more space for staff and for the large student clientele.

Continue your tour across the hall where the School of Business used to be. The walls on this side, like those on the other side, have been moved closer together to give more space. Inside is the new Admissions office which now has a reception area for parents and prospective students; redecoration in this area should be completed by October, making our critically important Admissions function both more accessible and more attractive. At the back of Serra Hall are the remodelled offices for the Mathematics and Philosophy departments.

DeSales Hall is still the home of the School of Education, but they are in a renovated and remodelled area formerly occupied by Admissions, Financial Aid, and part of the philosophy faculty. Their area, too, is undergoing some redecoration. Downstairs Education's former quarters, after some remodelling, is the Department of Behavioral Sciences. Still to come in DeSales Hall is the Physical Plant move to the west side, the remodelling of their current area for the new Media Center, and the expansion of the Business Services/Post Office areas - all of which should take place some time during this academic year, if all goes as planned.

Meanwhile, you will note that most classrooms in Camino/Founders have been painted; lighting and flooring has been or is being upgraded; levalors have replaced drapes in classrooms in Camino, Founders, DeSales, and Serra; blackboards have been or are about to be replaced or resurfaced; and numerous faculty offices have been supplied with new desks, desk chairs, drapes, and occasional chairs; bookcases have been

ordered for some offices, and are in shipment now. The Deans or Dr. Hottois can give you specifics on what has been done or is being done in the faculty offices.

Funding for the above projects has been diverse: CEFA funds (see Newsnotes of September 1, 1976, page 4 for specifics about these funds) paid for the classroom and office renovations and the road work; some School of Business costs came from CEFA, the rest from private donations for the purpose; operating funds available because last year's enrollment exceeded estimates were utilized for the other projects. CEFA funds will continue to pay for the cleaning and upgrading of the outside of the buildings; so far the new School of Business building is the only one completed on the outside; if you want to see what all the buildings will look like shortly, just begin the tour at the east end of campus and see how attractive that building looks.

### DEDICATIONS, BUSINESS AND NURSING

On Friday, August 26, 1977, the newly renovated building for the School of Business Administration was dedicated. The program consisted of a short presentation, introduced by the Chairman of the School of Business Advisory Board, Mr. H. B. (Skip) Starkey, Jr., President, First Federal Savings and Loan, with Mr. Richard Capen, president-elect of the San Diego Chamber of Commerce and Senior Vice-President of Copley Newspapers, acting as Master of Ceremonies. Dean Burns introduced the School of Business faculty, Sister Furay commented on the relationship of the School of Business Administration with other units of the University, and President Hughes underlined the advantage to the San Diego community of having a quality, independent School of Business serving the city.

The Site Dedication of the School of Nursing is scheduled for 4:30 p. m. on Tuesday, September 6, on the lot across from Founders Hall. All members of the University community are invited. After an invocation by Father Larry Dolan, University Chaplain, Dean Irene Palmer, will describe the background of the project. Bishop Maher, Chairman of USD's Board of Trustees, will bless the site, and Dr. Palmer and Mrs. Muriel Hahn, USD Trustee and benefactor of the School of Nursing, will turn the first spade. President and Mrs. Hughes' reception for new and returning faculty, administrators, and staff will follow in the Founders Hall patio.

### DEAN OF STUDENTS OFFICE: Arrangements for Resident Students

The University has residence deposits from an overflow group of returning and new resident students. The Bahia Loma and University Knolls apartments are being used for dormitory housing rather than being rented as apartments, and every inch of space in Camino, Founders, and DeSales is being used, for a total of well over 700 students. Even with this utilization, there are some 50-60 resident students whom we cannot accommodate on campus. Hence, the University has made arrangements to rent a wing of the Padre Trail Motel for dormitory space, with adult supervision and student Resident Assistants as in on-campus housing. If on-campus students drop out, those off campus will be moved to campus; but it is anticipated that some Padre Trail space will be needed for the whole fall semester

VARIA

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Sister Sally Furay, Vice President and Provost of USD, has been named along with four other prominent educators to the new legal services review panel of the National Association of Independent Colleges and Universities.

The Panel will determine how the association will use its legal talent and money to aid independent institutions involved in litigation. The panel expects to be faced primarily with requests for help in cases involving questions of federal aid to students at church-related schools and institutional compliance with federal regulations that allegedly discriminate against independent colleges and universities.

Chairman of the panel is Paul Bragdon, President of Reed College. Other panel members are Paul Hardin, President of Drew University, Fr. Charles Whelan, Professor of Law at Fordham University, and Thomas Ehrlich, Dean of Stanford University Law School, currently on leave to serve as President of the Legal Services Corp., Washington, D. C.

\* \* \* \* \*

Dr. Jack Morrison, Director of Counselor Education, School of Education, has assumed the presidency of the San Diego Personnel and Guidance Association. Morrison recently returned from New Zealand where he was visiting professor at the University of Canterbury, Christchurch.

The Personnel and Guidance Association membership, from San Diego and Imperial Counties, includes counselors, psychologists, directors of Pupil Personnel Services, and related work in both public and private settings.

\* \* \* \* \*

Dr. Jeanne B. Rigsby attended the 50th Annual AATF (American Association of Teachers of French) Convention in Paris, France on June 27 to July 1, 1977 as official representative of the San Diego chapter. Rigsby also attended the Second International Congress of the AUPELF (Association des Universités Partiellement ou Entièrement de Langue Française) in Strasbourg, France on July 17 to 24, 1977.

\* \* \* \* \*

Donald Helmich, School of Business Administration, has received an acceptance on his article entitled "Leader Flows and Organizational Process," appearing in the Academy of Management Journal, September or December of 1978.

\* \* \* \* \*

The national Psi Chi office has conferred an award on Dr. Michael Haney and Dr. Dan Moriarty in recognition of their outstanding work as faculty advisors to the local chapter.

\* \* \* \* \*



Professor John Chambers, Political Science Department, University of San Diego, in conjunction with Professors Ivo K. Feierabend and Rosalind Feierabend of San Diego State University, have been engaged in basic inter-disciplinary research in the general area of Conflict, Aggression, Violence, and War. In the particular area of Transactional Analysis of inter-nations Hostility and Amity, Chambers has been the principal investigator and has produced a Transactional Data Bank of Inter-Nation Conflict and Amity Events. The data bank has been accepted by the Inter-University Consortium for Political and Social Research (ICPSR), University of Michigan, Ann Arbor for publication to member universities. The ICPSR is a central repository and dissemination service for machine readable data for an international community of scholars. It services 230 member universities in the United States and 130 universities in countries abroad. The ICPSR ranks with the National Science Foundation, Russell Sage Foundations, Social Science Research Council, Survey Research Center U.C. Berkeley, and the Yale University World Data Analysis Program in measuring current developments in social-indicator research.

Professor Chambers' data bank comprises some 7,000 international events among 84 countries, over a six year period. The cross-national data are arranged and coded. Sixteen types of hostile transactional events are presented, ranging from protest, accusations and recall of officials to quasi-military actions, troop mobilizations, and war. Fourteen types of amity events are also covered, ranging from offers to negotiate and confer, to exchange, agreements and alliances. Events are qualified in nineteen categories, including date, actor, duration, and persons involved. The direction of the event and its retaliatory or non-retaliatory character and intensity are also measured. A seven point scale of hostility and a five point scale of amity are developed. These scales provide a medium for quantifying the degree of hostility and amity exhibited by each country and thereby make comparisons of countries possible.

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## The NSF Chautauqua-Type Short Courses Program

The NSF Chautauqua-Type Short Courses Program, which is administered by the American Association for the Advancement of Science, is a cooperative enterprise with the National Science Foundation, the scholars who teach the short courses (course directors), the colleges and universities which house the 15 "field centers," and the college teachers who participate with the encouragement of their home institutions.

The primary objective of the program is to provide a forum in which scholars at the frontiers of various disciplines communicate recent advances in their fields directly to college teachers of science.<sup>1</sup> The primary aim is to enable college-teacher participants to keep their teaching up-to-date and relevant.

Several types of courses are offered to teachers of undergraduate science students in an effort to meet a wide range of needs for new knowledge, materials, and techniques. Some courses are discipline-oriented and others cut across disciplines. The interdisciplinary courses focus on major problems of science, technology, and society—all of which involve numerous scientific and technological disciplines and which can be studied and attacked best by a symphonic rather than a solo approach. Applications courses are of two kinds—the application of mathematics to the sciences and the applications of specific products of technology in science or science courses. Techniques courses focus on techniques of improving one's teaching of science to college students.

Advice on potential courses and course directors comes from many sources including professional societies, officers of the AAAS sections, the program offices of the AAAS, NSF directorates, other federal agencies, Chautauqua-Type Short Course participants and field center coordinators, and individuals from the science education community. Suggestions for future courses and course directors are welcome.

### Format

In each short course the course director meets with the college-teacher participants for a total of four days—two days in the fall and two in the spring.<sup>2</sup> During the three-month interim between the sessions in the fall and spring par-

ticipants work on projects related to the course. The interim projects provide a structure for participants to incorporate new knowledge, concepts, or techniques in their teaching with minimum delay. To the extent possible these interim projects are designed so that teachers and their students can work together. At the spring session there is a continuation of instruction from the fall session plus a discussion of the results of the interim projects.

The program resembles the Chautauquas of the early part of the century in that each course director meets classes of participants at several field centers in a "circuit."

From year to year there is an attempt to rotate courses from one circuit to another in order to bring popular and successful courses to different parts of the country.

### Eligibility

Teachers of undergraduate students in degree-granting institutions of higher education in the United States whose teaching responsibilities are in the natural and social sciences, mathematics, and engineering (see footnote 1) are eligible for enrollment. In some interdisciplinary courses, a few teachers in other fields will be admitted when this would enhance the effectiveness of the course. Any qualified teacher may apply at any field center. Each class is limited to 25 participants. Applications are accepted only if the applicant intends to attend both sessions and to complete an appropriate interim project.

Selection of the participants is carried out by the field center coordinators. In general, the criteria for selection take into consideration fields of teaching and geographic, institutional, and other factors intended to make the courses available on as wide a basis as possible. In the interdisciplinary courses, an effort is made to select applicants who represent a wide range of teaching fields. As a general rule applicants are not accepted for more than one course per year, and applicants who have had no previous courses usually are given preference over those who have attended several courses. The purpose of these rules is to provide opportunities for as many teachers as possible.

In selecting individuals for participation and otherwise in the administration of this program, AAAS and the cooperating field centers will not discriminate on the ground of race, creed, sex, color, or national origin of any applicant or participant.

### Support for Participants

Through a grant from NSF, AAAS provides course directors with an allowance of \$14 per participant for instructional materials. Through grants to the field centers, NSF provides

<sup>1</sup>The word "science" is used as a general term referring to the following disciplines: the mathematical, physical, biological, medical (but not clinical), engineering, and social sciences, psychology, and the history and philosophy of science; also included are interdisciplinary fields.

<sup>2</sup>See class schedules on pages 5-7.

lodging for 20 participants in each class for four nights on a double occupancy basis. Participants who wish to have single rooms must pay the difference. Participants or their institutions will pay the costs of travel, meals, and incidental expenses.

### Application

An application form is included in this announcement on page 29. You can make copies of this form if necessary. Complete the form, remove it from the announcement, and mail it to the appropriate field center coordinator. You will be notified of your status as soon as it is known. Additional application forms can be obtained from any of the field center coordinators.

### Deadline

You should apply as early as possible, for field centers make their selections about 2-4 weeks prior to the beginning of a course. However, applications will be considered on a space-available basis until the start of the course.

### Partial Travel Support

Considerable portions of the United States are more than 300 miles distant from any of the 15 field centers. In order to encourage faculty members from these outlying areas (located in 27 states plus Puerto Rico) to participate in the short course program, some funds are available for paying part of the travel expenses of a limited number of participants. Since this is an experimental venture, the amount of funds is very limited. Preference will be given to participants who must travel the greatest distance.

Participants from the geographical areas identified by zip code (first three digits of the zip code) in the table on the inside back cover are eligible for partial travel support. The amount of support is based on the distance from the participant's institution to the *closest* field center—irrespective of whether or not the desired course is being taught at the closest center this year. Estimated maximum amounts of support, for travel to both sessions of a short course, are listed in the zip code table for each eligible zip code area. These maximum amounts apply no matter which field center a faculty member chooses to attend. Actual amounts will be based on the actual road mileage.

Half-payments will be made after the fall and spring sessions. The maximum travel grant is \$180. If several participants travel together by car, only one grant may be made to the group.

To apply for partial travel support, send the application form on page 29 to the field center coordinator along with a letter that indicates your need for travel support. Please indicate in your letter the one-way mileage (highway) from your institution to the nearest field center.

### Administration

The instructional aspects of the program are developed and administered by the Office of Science Education of the American Association for the Advancement of Science (AAAS) with financial support from the National Science Foundation.

The National Science Foundation was established in 1950 by an Act of Congress as an agency of the Federal Government. Yearly appropriations are made by Congress to enable the Foundation to carry out its responsibilities to strengthen research and education in science, mathematics, and engineering.

## Field Centers

### WESTERN CIRCUIT

- OGC**—Oregon Graduate Center for Study and Research, Lynwood Swanson, Department of Applied Physics and Electronic Science, 19600 N.W. Walker Road, Beaverton, Oregon 97005. Tel: (503) 645-1121.
- ANA**—Santa Ana College, Susan Kelley, Division of Science and Technology, 17th at Bristol, Santa Ana, California 92706. Tel: (714) 835-3000, ext. 475.
- STN**—Stanford University, E. G. Chilton, Design Division, Mechanical Engineering Department, Stanford, California 94305. Tel: (415) 497-4289.
- BLD**—University of Colorado, Malcolm Correll, Department of Integrated Studies, Boulder, Colorado 80302. Tel: (303) 492-8448.
- TXA**—University of Texas at Austin, Addison E. Lee, Science Education Center, EDB 340, Austin, Texas 78712. Tel: (512) 471-7354

### CENTRAL CIRCUIT

- CBC**—Christian Brothers College, John Edward Doody, Division of Science and Mathematics, 650 East Parkway South, Memphis, Tennessee 38104. Tel: (901) 278-0100, ext. 204.
- OXF**—Miami University, Charles M. Vaughn, Department of Zoology, 282 Upham Hall, Oxford, Ohio 45056. Tel: (513) 529-4918.
- MSU**—Michigan State University, Julian R. Brandou, College of Natural Sciences, Room 121, Natural Sciences Building, East Lansing, Michigan 48823. Tel: (517) 355-1715.
- UIA**—University of Iowa, Robert E. Yager, Science Education Center, Iowa City, Iowa 52240. Tel: (319) 353-3600.
- KCM**—University of Missouri—Kansas City, and Linda Hall Library, Henry A. Mitchell, Associate Provost for Health Sciences, 2220 Holmes Street, Kansas City, Missouri 64108. Tel: (816) 276-1131.

### EASTERN CIRCUIT

- HAM**—Hampshire College, Robert C. Birney, Vice President, Amherst, Massachusetts 01002. Tel: (413) 549-4600, ext. 520.
- PSU**—Pennsylvania State University, Edwin W. Biederman, Jr., 410 Keller Conference Center, University Park, Pennsylvania 16802. Tel: (814) 865-7557.
- UGA**—University of Georgia, W. R. Zeitler, Science Education Department, Athens, Georgia 30602. Tel: (404) 542-1763.
- HTF**—University of Hartford, James B. Mathews, Bruce W. Jorgensen, and Sheldon M. Eisenberg, Chautauqua Field Center, 451 Dana Hall, West Hartford, Connecticut 06117. Tel: (203) 243-4226.
- UMD**—University of Maryland, Angelo Bardasis, Department of Physics and Astronomy, College Park, Maryland 20742. Tel: (301) 454-4602.

## WESTERN CIRCUIT

	OGC	STN	ANA	TXA	BLD
W- 1 Thermodynamics, Art, Poetry, and the Environment HENRY BENT, North Carolina State University			20-21 Oct 9-10 Mar	17-18 Oct 6- 7 Mar	
W- 2 Lasers and Their Applications in the Physical Sciences WILLIAM GUILLORY, University of Utah	14-15 Nov 27-28 Mar	7- 8 Nov 30-31 Mar		3- 4 Nov 20-21 Mar	31 Oct-1 Nov 23-24 Mar
W- 3 Instrumentation: An Introduction to the Use of Microelectronics ROBERT TINKER, Springfield Technical Community College, Springfield, Massachusetts	27-28 Oct 2- 3 Mar	24-25 Oct 27-28 Feb			
W- 4 Solar Energy from an Engineering Perspective REGINALD VACHON and JOHN GOODLING, Auburn University, JEFFREY MOREHOUSE, Texas A & M University		31 Oct-1 Nov 6- 7 Mar			3- 4 Nov 9-10 Mar
W- 5 Biological Roots of Adaptive Behavior and Intelligence JOHN GARCIA, UCLA	24-25 Oct 30-31 Mar		17-18 Nov 16-17 Mar		
W- 6 Brain Science and Mechanisms of Consciousness MICHAEL S. GAZZANIGA, SUNY, Stony Brook		27-28 Oct 2- 3 Mar		24-25 Oct 27-28 Feb	
W- 7 Perspectives in Bio-Ethics HANS W. UFFELMANN, University of Missouri—Kansas City				7- 8 Nov 9-10 Mar	10-11 Nov 6- 7 Mar
W- 8 Nutrition—Personal and National FREDERICK J. STARE, Harvard School of Public Health		17-18 Nov 27-28 Mar	21-22 Nov 30-31 Mar		
W- 9 Sociology of Aging with Emphasis on the Minority Aged E. PERCIL STANFORD, San Diego State University, California			27-28 Oct 2- 3 Mar	20-21 Oct 23-24 Feb	
W-10 The Politics of Government Budgeting ALLEN SCHICK, Urban Institute, Washington, D.C.				14-15 Nov 13-14 Mar	
W-11 Research and Development Decisions and Public Policy WILLIS SHAPLEY, Consultant, AAAS (formerly Associate Deputy Administrator, NASA)	31 Oct-1 Nov 6- 7 Mar	3- 4 Nov 9-10 Mar			
W-12 Anthropological Studies of Women SUE-ELLEN JACOBS, University of Washington, Seattle	10-11 Nov 16-17 Mar			21-22 Nov 30-31 Mar	
W-13 Theories of Perception: Conceptual, Theoretical, Methodological and Experimental Advances and Problems PETER K. MACHAMER, University of Pittsburgh		21-22 Nov 23-24 Mar			17-18 Nov 20-21 Mar
W-14 Economics: Innovations in Teaching the Introductory Course JEFF R. CLARK, Joint Council on Economic Education, New York City	17-18 Oct 20-21 Feb	20-21 Oct 23-24 Feb	24-25 Oct 27-28 Feb		
W-15 Workshop on College Science Teaching and the Development of Reasoning ROBERT FULLER and MELVIN THORNTON, University of Nebraska—Lincoln	17-18 Nov 23-24 Mar	14-15 Nov 20-21 Mar		10-11 Nov 16-17 Mar	7- 8 Nov 13-14 Mar
W-16 Improving Curriculum Planning and Instruction in Sociology and Related Disciplines SHARON McPHERRON, St. Louis Community College at Florissant Valley and REED GEERTSEN, Utah State University	3- 4 Nov 20-21 Mar		31 Oct-1 Nov 23-24 Mar		
W-17 Energy Systems ELISABETH C. ODUM, Santa Fe Community College, Florida and H. T. ODUM, University of Florida	7- 8 Nov 13-14 Mar	10-11 Nov 16-17 Mar	14-15 Nov 20-21 Mar	17-18 Nov 23-24 Mar	
W-18 Satellite Remote Sensing of Spaceship Earth MURRAY FELSHER, NASA	20-21 Oct 23-24 Feb		17-18 Oct 20-21 Feb	27-28 Oct 2- 3 Mar	24-25 Oct 27-28 Feb