



# The Behavioral Neuroscientist and Comparative Psy- chologist

Division 6 — American Psychological Association

VOLUME 14 • NUMBER 1 • Spring 1999

## In This Issue

Message from the President	1
Editor's Note	1
APA Convention Online	2
Division 6 Program News	3
Interdivisional Grants	3
APA Division Leadership Conference	3
Program for the 1999 Annual Meeting	4
Growth of Division 6	5
Report from the APA Council of Representatives	6
Nominations Deadline Extended	7
New Book from APA	8

DIVISION

6

AMERICAN  
PSYCHOLOGICAL  
ASSOCIATION

Visit our web page at:

<http://www.apa.org/divisions/div6>

## MESSAGE FROM THE PRESIDENT



*By Michael S. Fanselow,  
President, Division 6*

In my last message to the membership, I pointed to the strength of our Division. Financially we are healthy, our membership levels have been consistent, and we have enjoyed the support of APA. But as President of the Division, I hope that my term marks a point of further development of both our scientific discipline and the division itself. Strengthening of the division is easily within our reach. By now, you

should have all received a membership form from Jim Grau, our membership chair. This was sent in the hopes that each of you will recruit at least one new member to our roles. It is with these new members, especially junior members, that both new vitality and increased representation in APA will come. I think that the strength of our scientific discipline comes from the fact that Behavioral Neuroscience and Comparative Psychology are inherently interdisciplinary fields of research. The more we emphasize this in our research, writing and teaching the stronger our field becomes. Any area of science prospers most by building bridges to other scientific endeavors and to society at large. If we keep this in mind we increase the impact of our own work and by so doing enhance our discipline as a whole.

I continue to be impressed by APA's work on our behalf. As you know, there has been moves by animal rights activists to have the animal welfare act be extended to rats, mice and birds. In my opinion, such a move has no merit. The act would not benefit these species, as it was not written with them in mind. Indeed, the costs associated with monitoring the large numbers of these animals in research would pull resources away from the species to which it now applies. But the costs to research, especially at small colleges, would be devastating. The intent of the proponents of this act seems to be clear. It is not to help animals; rather it is to make research more difficult. APA made a strong

Continued on page 3

## **Division Officers and Committees 1998-1999**

*President:* Michael S. Fanselow  
UCLA  
fanselow@ucla.edu

*President Elect:* Michael Domjan  
University of Texas  
domjan@psy.utexas.edu

*Past-President:* MaryLou Cheal  
Arizona State University  
Cheal@imap1.asu.edu

*Secretary/Treasurer:* Molly V. Wagster  
National Institute on Aging  
WagsterM@exmur.nia.nih.gov

*Council Representative:* Lewis P. Lipsitt  
Brown University  
llipsitt@brownvm.brown.edu

*Members-at-Large*  
Alan C. Kamil  
University of Nebraska  
kamil@niko.unl.edu

Thomas Zentall  
University of Kentucky  
zentall@pop.uky.edu

*Chair of Membership & Growth Committee:* James Grau  
Texas A & M University  
j-grau@tamu.edu

*Chair of Fellows Nomination Committee:* William T. Greenough  
University of Illinois  
wgreenou@psych.uiuc.edu

*Chair of Program Committee:*  
Michael Domjan  
University of Texas  
domjan@psy.utexas.edu

*Chair of Awards Committee:*  
Mark Bouton  
University of Vermont  
mbouton@zoo.uvm.edu

*Newsletter Editor:* Fred J. Helmstetter  
University of Wisconsin-Milwaukee  
fjh@uwm.edu

*Division Historian/ Archivist:*  
Donald A. Dewsbury  
University of Florida  
dewsbury@psych.ufl.edu

*The Behavioral Neuroscientist and Comparative Psychologist* is the official newsletter of Division 6 — *Behavioral Neuroscience and Comparative Psychology* — and is published 3 times a year in winter, spring, and fall. Mailing addresses used are those appearing on the official APA roster and a separate Division roster. Corrections and changes of address should be sent directly to the APA Directory Office, 1400 North Uhle St., Arlington, VA 22201, and to Fred Helmstetter (see below).

As the official newsletter of Division 6, *BNCP* publishes official business, committee reports, news items, job announcements, information on technical issues, topics of current interest, and information about the professional activities of Division 6 members. News items and articles should be submitted to the Editor at the address below (preferably by email). Paid advertisements are not officially endorsed by Division 6. The Editor welcomes comments and suggestions for ways in which *BNCP* can better serve the needs of the members. The preferred method of submission is by email.

Deadline for the receipt of news items and other articles for the next issue is September 1, 1999. Items should be sent to:

Fred Helmstetter  
Department of Psychology  
PO Box 413  
University of Wisconsin-Milwaukee  
Milwaukee, WI 53211  
fjh@uwm.edu

## **APA CONVENTION INFORMATION ONLINE**

APA has developed a useful resource to help you get the most out of your visit to Boston this summer. The complete program and index of exhibitors should be available in June.

“On this page you will find links to official APA information on details of the convention including program, hotel rates, registration forms, and continuing education workshops. We’ve also included links to web sites with information on Boston so that you can plan your travel — museums, restaurants, national parks, transportation, and more. We look forward to seeing you in Boston!”

*Check it out at:*

<http://www.apa.org/convention>



1999 APA CONVENTION

and rapid response. Richard McCarty, the executive director of APA's Science Directorate, was one of the few to testify in Washington against this proposal. Only time will tell what will happen, but APA's continued support for Behavioral Neuroscience and Comparative Psychology is clear.

I hope all are making plans to attend the August meeting in Boston. Thanks largely to Mike Domjan, our Program Chair (and President-elect), the agenda looks spectacular. It is a varied and exciting program that represents the full range of neural mechanisms, behavior theory, developmental and comparative approaches. There are invited addresses by some of the most distinguished leaders in our fields. And of course, there is the chance to participate in the governance of our division.

## **DIVISION 6 PROGRAM NEWS**

*by Michael Domjan, Program Committee Chair*

New for this year's convention is our added plenary session. This year we are excited to have National Medal of Science recipient E.O. Wilson as the first plenary speaker for Focus on Science. Wilson's presentation, which takes place on Saturday, August 21, is titled "Consilience: Psychology at the Crossroads." Other speakers who will present at Focus on Science include master lectures by Tiffany Field, Klaus Miczek, Dan Schacter, Robert Sternberg, Beth Sulzer-Azaroff, and the Neal Miller Lecture by Robert Ader.

Among the not-to-be-missed features of Focus on Science are:

- MEGA poster sessions. Four 3-hour sessions organized thematically (e.g., motivation and emotion) taking place on Friday and Saturday will showcase a variety of posters from thirteen different themes.
- Special coordinated programming around Brain and Behavior research (organized by divisions on experimental, and neuroscience, physiological and comparative psychology), and social and health research
- "The Academic Career: A Beginner's Manual," a day-long workshop scheduled for Saturday on how to keep and advance in an academic job - designed for academics in the first 3 years of their careers
- Programming arranged especially for science-oriented graduate and undergraduate students, including sessions on finding research funds and conversations with distinguished research psychologists
- Joint social hour on Friday afternoon for all science division participants
- A night of improv taking place on Friday evening, FREE for anyone interested in attending. Cognitive psychologist Dan Goldstein of the Max Planck Institute will briefly discuss decision making in improvisational settings following by an improv performance by SitcomBoston, one of Boston's premiere improvisation troupes.

Please be sure to visit the APA Science Directorate website at <http://www.apa.org/science/fos99.html> for dates, times, and locations for these and all other Focus on Science programming at convention.

## **INTERDIVISIONAL GRANTS FROM APA**

*by MaryLou Cheal*

The Committee on APA/Division Relations (CODAPAR) was very pleased that council voted to fund the Interdivisional Grants Projects again this year. As President of CODAPAR, I attended council in February and it seems that there is a likely possibility that the project will be funded again next year. So although the deadline for proposals for this year is past (May 15, 1999), now is the time to be thinking of projects for 2000. These need to be research that you can do in collaboration with colleagues from other divisions. To learn more about the project and the funding, attend the Interdivisional Grants session at APA on Friday afternoon in August.

## **DIVISION LEADERSHIP CONFERENCE**

*by MaryLou Cheal*

The Division Leadership Conference (DLC) is planned for January, 2000. At this time, the new president-elect will be invited to attend the session in Washington, DC. The CODAPAR liaison to the APA Board is our own Bruce Overmier. He is leading a move to restore the DLC to an annual event. As I told people, having the DLC only every other year is like sending only every other one of your children to college. All officers need this training in order to work more efficiently and effectively for the division.

# ***DIVISION 6 PROGRAM FOR THE 1999 ANNUAL MEETING***

***FRIDAY, AUGUST 20, 1999***

**9:00 am - Comparative Cognition— Chair, Mauricio Papini, Texas Christian University**

- Robert Cook, Tufts University. Concept Learning in Pigeons.
- Donald S. Blough, Brown University. Priming and attention in pigeon visual search.
- Alan C. Kamil, Nebraska Behavioral Biology Group, School of Biological Sciences and Department of Psychology, University of Nebraska, Lincoln. The Importance of Animal Cognition in Evolutionary Ecology.
- Melinda Novak, University of Massachusetts-Amherst and New England Regional Primate Research Center, Harvard Medical School. What do rhesus monkeys comprehend in complex cognitive tasks?

**10:00 am - William Greenough, Invited Address**

**11:00 am - Checks and Balances in the IACUC Process. Chair, Michael Kelley, Liberty University**

- Michael Kelley, Liberty University. Battling with an IACUC over using a grid-shock unconditioned stimulus.
- J. Bruce Overmier, University of Minnesota. Reviewing the review process and some unasked questions.
- Nelson Garnett, Division of Animal Welfare, OPRR, NIH. Balancing the needs of researchers with animal welfare.
- John Miller, AAALAC International. Extra-regulatory institutional oversight of animal care and use.

**1:00 pm - Contemporary Learning Theory. Chair, M. Domjan, University of Texas**

- John J. B. Ayres, University of Massachusetts at Amherst. Learning- versus performance-deficit interpretations of blocking, overshadowing, and latent inhibition.
- Ruth M. Colwill, Brown University. To do or not to do? An associative analysis of instrumental behavior.
- Mark E. Bouton, University of Vermont. What makes learning context-specific?
- James E. Mazur, Southern Connecticut State University. Non-optimal choice behavior in pigeons

***SATURDAY, AUGUST 21, 1999***

**9:00 am - Neural Mechanisms of Learning and Memory. Chair, M. Fanselow, UCLA**

- James W. Grau, Texas A&M University. Learning without a Brain: Neurons within the Spinal Cord are Smarter than You Think.
- William T. Greenough, University of Illinois. Cellular mechanisms of memory: Relationship to a mental retardation syndrome.
- Michael Hasselmo, Boston University. Neuromodulation and memory function.
- Louis D. Matzel, Rutgers University. A molecular framework for understanding individual differences in learning.

**11:00 am - E.O. Wilson, Plenary Address**

**1:00 PM - MOTIVATED BEHAVIOR. CHAIR, JIM GRAU, TEXAS A&M UNIVERSITY**

- Michael Numan, Boston College. Expression of Fos genes in the brain and maternal behavior.
- George Wade, Center for Neuroendocrine Studies, University of Massachusetts. Interactions between ingestive and reproductive behaviors.
- Bernard W. Balleine, University of California at Los Angeles. The motivational control of Pavlovian conditioning
- Elliott Blass, University of Massachusetts, Amherst, and Boston University School of Medicine. Nursing-Suckling interactions: The psychology of analgesia and energy conservation and the pleasure of her eyes.

**3:00 PM - PRESIDENTIAL ADDRESS, FEAR: FROM PHYSIOLOGY TO FUNCTION MICHAEL FANSELOW, UCLA.**

**4:00 PM - BUSINESS MEETING, MICHAEL FANSELOW, CHAIR**

**5:00 PM - SOCIAL HOUR**

**SUNDAY, AUGUST 22, 1999**

**1:00 PM - ALLAN R. WAGNER, DISTINGUISHED SCIENTIFIC CONTRIBUTIONS AWARD LECTURE**

**3:00 PM - DEVELOPMENTAL PSYCHOBIOLOGY: OF HUMANS AND OTHER ANIMALS. CHAIR, PAUL E. GOLD, UNIVERSITY OF VIRGINIA**

- Jeffrey R. Alberts, Indiana University. Please squeeze and touch much: Constants in ontogenetic formulas,
- Tiffany Field, Touch Research Institute. Touch effects on health and well being.
- Stephen J. Suomi, Laboratory of Comparative Ethology, National Institute of Child Health and Human Development. Biobehavioral correlates of impulsive aggression in humans and rhesus monkeys.
- Jerome Kagan, Harvard University. The significance of transformations on knowledge in humans and animals.

---

## ***GROWING DIVISION 6***

*by James Grau, Chair of Membership and Growth Committee*

As Michael Fanselow noted in the fall issue of the Newsletter, a major goal of our current Executive Committee is increasing membership in our division. To strengthen our voice within APA we need to increase our membership. Currently, our division has only around 600 members, despite the fact that our area has experienced tremendous growth in recent years. This is especially evident from the growing membership in the Society for Neuroscience, which will soon top 30,000. Clearly, many behavioral neuroscientists are choosing not to belong to either our division or APA. This trend is especially alarming when one considers our low level of student membership. If our division is to have a future at APA, we need to recruit more students.

To address these concerns, I recently mailed a membership application to every member of our division. Many of you may have already received this material. Michael Fanselow and I would like to ask every one of you to recruit at least one new member. Individuals can also join our division by e-mail. Just have an email sent to me requesting information. My address is [j-grau@tamu.edu](mailto:j-grau@tamu.edu). Remind potential recruits that membership is free for the first year and after that it is just \$9/year.

While it is possible to join our division without joining APA (as an affiliate member) my hope is that most will also choose to join APA. This is an essential step in increasing our voice within the parent organization. Information about joining APA is available at: <http://www.apa.org/members/>

I am happy to report that there are signs that our membership may increase quite a bit this year. APA has forwarded over 400 information requests. Applications were mailed to these individuals in March and, hopefully, many will choose to join. In addition, 29 people have joined our division by e-mail.

I would like to see us shoot for a 1,000 members by the end of the year. Let's all work to bring our colleagues and students back to APA. As many of you know, good behavioral work is often not appreciated by the neuroscience community and yet, it is an essential step in building links between biology and psychology. The members of our division appreciate the strengths of good behavioral work and are at the forefront of building bridges across domains. Within APA, and the pages of our journals, our students can see the importance of behavioral, comparative and psychological issues that are both underrepresented and underappreciated by the neuroscientific community.

It is also important for us to maintain a force at the national APA meeting. Given our dwindling presence, our colleagues could well conclude our area is on the decline. They have no idea of the strength and enormity of the Society for Neuroscience Convention. We need to bring some of the excitement that pervades that convention back to APA and educate our colleagues about the advances in this fast moving area. In the end, if we do not, the gap between neuroscience and psychology will continue to grow and both will suffer.

# REPORT FROM THE APA COUNCIL OF REPRESENTATIVES

*by Lewis P. Lipsitt, Representative to Council*

Now in my third and final year as your representative on the APA Council of Representatives, the Boston convention in August 1999 will be my final meeting of this term. The business of the Association has become increasingly complex, the agenda books are thicker and, with the February 1999 meeting, the number of representatives increased appreciably (from 125 to 162) due to the new voting procedure which allows all divisions and most state associations to have representation.

Amazingly, there has been a diminution of rancor, I would say (and others concur), and the business goes on quite seamlessly at the meetings. The same voices tend to be heard repetitively at the microphones; about 95% of the words spoken at Council are uttered by about 5% of the representatives. One doesn't mind that, however, because there is almost always a rational position put forward, following which either no argument ensues or a counter-argument is offered with sufficient clarity to allow a decisive vote.

Of great import for those allied especially with academic psychology and research is that over the past two years or so, despite the organization's apparent success in the real estate and building construction arena, APA has become more strapped for fluid funds. Some popular traditional programs, and several newly introduced measures that have come before the Council, have had to be sacrificed. This past year the Leadership Conference was omitted, and this was regretted by many who felt that critical issues were discussed and promoted there. Similarly, day care at the annual meetings was eliminated.

The new headquarters building, and the recently finished second edifice nearby, provide excellent space, comfortable working quarters, an appearance to be proud of, and secure assets for the future. APA has never been so wealthy.

Part of the fluid-funds problem has to do with the sunseting of many dues-paying members in the decade now ending, and the prospects of many more such losses in the next decade. Compounding this concern is the changing publishing business, particularly the loss of many library subscriptions, resulting in a loss of some operating revenue that comes from the publishing wing of APA.

Matters undertaken and approved at the February meeting included:

(1) allocation of a modest budget for inter-divisional initiatives; (2) development of an examination in clinical psychopharmacology, to be overseen by the College of Professional Psychology, for those clinical psychologists wishing to demonstrate proficiency in this domain; (3) development of a working group, comprised of members identified as practitioners and scientists, assembled by the CEO, to monitor genetics issues; (4) the drawing in 1999 of a maximum of \$1 million from APA's real estate holdings to subsidize daily operations of the Association, with similar decisions for the future to depend on the recommendations of a special committee formed by the Policy and Planning Board (P&P); (5) preparation by P&P, for presentation at the August meetings, of proposals relating to the current financial perturbations (the Board of Directors seemed to insist that the financial situation faced by APA at present does not constitute a crisis) being experienced by APA; (6) postponement of a decision on proposed new Standards for High School Psychologists; (7) cancellation of reimbursements to presidential candidates to attend plenary sessions of Council; (8) declaration of APA's priority concern with the changing health care system in this country; (9) implementation of candidacy of a new Division of Clinical Psychology (Div 53); (10) implementation of division status of the Society of Pediatric Psychology as Div 54; (11) establishment of permanent status for the Division of International Psychology (Div 52); (12) confirmation of Counseling Psychology as a specialty in professional psychology; (13) commendation of the practice directorate for its initiatives in test litigation, and a declaration by APA of test litigation as a priority area for APA; (14) resolution against male violence directed to women; (15) reauthorization of the Annual Division Leadership Conference, previously cancelled for budgetary reasons; (16) adoption of the 1999 final budget with a deficit of \$78,000 (including a building subsidy of \$1,000,000 for 1999) to govern operations through 1999; and (17) imposition of a limit on APA's future dependency on the building subsidy which was invoked for 1999.

Many Council members voiced their concern at the February meetings as to how APA will find the funds for the inevitable initiatives which arise in an organization operating in a rapidly changing academic and professional environment. The inevitable debate occurred as to whether the correct procedure is to first approve a limited

budget, followed by tagging of actions to be taken within that budget, or the proposals for activities should be made first, then to be followed by budgetary appropriations.

Of considerable moment this year, the APA Board of Directors (BOD) has under consideration the formation of a companion organization. The BOD describes the matter in this way:

*"For many years, the APA Board of Directors and the committee for the Advancement of Professional Psychology have been seeking ways to assure that APA can meet the growing need for advocacy and other support to professional psychology (by exploring) the possibility of changes in APA tax structure that would reduce some of the restrictions under which we currently operate. In 1998...a Board sub-committee was formed to work with legal consultants to consider alternative structural models.*

*"APA is exempt from federal taxation as a charitable organization under section 501©3 of the Internal Revenue Code. Because of this, it is limited by law to expending no more than \$1 million on legislative advocacy in any one year. As we grow closer to that limitation, the BOD is exploring the possibility of establishing a companion organization that would be exempt from tax under section 501©6 of the Internal Revenue Code. The companion organization, while closely associated with APA and with shared leadership, would have more freedom to meet the anticipated future needs of professional psychology. Such an organization would be free of the restraint on legislative advocacy. We are exploring this because it could provide the opportunity to pursue the growing number of important matters that are of significance to psychology today and in the future.*

*"There is no plan to divide APA into constituencies or to separate the practice of psychology from other aspects of psychology. To the contrary, the intent is to permit all of APA to operate efficiently and effectively to accomplish its missions. Over the coming months, the BOD will be seeking input from relevant governance bodies prior to final determination by the Council of Representatives."*

Clearly, APA is, on many fronts, an evolving and dynamic organization with options as to how it will structure itself to meet members' future requirements. The Council of Representatives, elected by its diverse divisional and state constituencies, with its executive committee (the so-called Board of Directors, elected by Council members), will determine future directions of the association, and the appropriation of its funds and relative investments in the directorates devoted to education, science, practice, and public interest.

APA's science directorate is trying to lead the Association into The Decade of Behavior at a time when the discipline is marked by increasing professionalization, a passion on the part of many practitioners for prescription authority, and some fiscal annoyances. The behavior of members of Council, on behalf of all the membership of APA, will have implications and repercussions throughout the decade. Psychologists live in interesting times.

## **NOMINATION DEADLINE EXTENDED**

*by Mark Bouton, Chair of  
Awards Committee*

The deadline for nominations for this year's Brenda A. Milner award has been extended to June 15, 1999. This award recognizes an outstanding paper in the field of behavioral neuroscience or comparative psychology, either published within the last five years (since 1994) or currently in press, that is written by a member of Division 6 who is within five years of having received the Ph.D. at the time of the deadline for submission (June 15, 1999). Although the paper may be co-authored, the applicant should be the senior author and the paper must represent the original work of the applicant. Nonmembers of the division may apply for membership at the time of submission. The recipient will receive a plaque and \$100.

To be considered for the award, the paper must be submitted in triplicate to the Awards Committee (c/o Mark E. Bouton, Department of Psychology, University of Vermont, Burlington, VT 05405) along with the following information: Name of applicant, current home and institutional addresses, present position, date that the PhD was awarded, name of the institution awarding the PhD, major field of study; name of journal of publication; name of graduate advisor, email address, and Fax number if available. Recipients are chosen by the Division 6 Awards Committee.

---

**NEW BOOK FROM APA AVAILABLE AUGUST 1999**

## **Animal Models of Human Emotion and Cognition**

*Edited by Marc Haug and Richard E. Whalen*

### **BRIEF DESCRIPTION:**

- Argues that animal behavior experiments are highly relevant to human behavior, specifically human emotion and cognition
- American and European contributors discuss the role of animal models in the research of various human disorders (anxiety, schizophrenia, amnesia, aggression, etc.)

Animal research has contributed enormously to our current knowledge of human physiology and basic brain function. But in recent years, concerns have been raised about the usefulness and validity of animal research aimed at illuminating our own behavior. This volume argues that animal studies do indeed provide valuable insights into our behaviors and presents studies illustrating how researchers are trying to better understand human emotion, development, and cognition. Contributors from both the United States and Europe shed new light on such research topics as anxiety and schizophrenia; sensory development, self-recognition, and perception; amnesia, memory disorders, and hemispheric specialization; and various aspects of aggression. This volume will be of interest to experimental psychologists as well as to general psychologists who wish to better understand the applications of animal studies.

Hardcover; Approximately 376 pages; \$39.95; ISBN: 1-55798-583-9

For more information or to order see <http://www.apa.org/books>

---

Fred J. Helmstetter, Editor BNCP  
Department of Psychology  
University of Wisconsin-Milwaukee  
PO Box 413  
Milwaukee, WI 53211

ADDRESS SERVICE REQUESTED

---