

International Society for the History, Philosophy, and Social Studies of Biology

NEWSLETTER

Editorial Office: Chris Young • History, Science, & Culture • Mount Angel Seminary, St. Benedict, OR 97373 • e-mail: cyoung@mtangel.edu

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PRESIDENT'S CORNER

Lisa Lloyd

As our provisional program shows, our upcoming Society meeting in Oaxaca, Mexico (July 7-11) will have our widest international participation ever. In addition, there is a wide variety of new topics and projects being presented, demonstrating the vitality and excitement of our fields of studies of Biology.

Some members have expressed concerns about safety issues in Oaxaca. Nearly 16 million US citizens visit Mexico each year; the publicity surrounding dangers of tourist travel in Mexico involved four incidents, none of them near Oaxaca. The best place to get updates is from the US Consular Affairs travel information, which is at <http://travel.state.gov/>. This site also links to an extremely useful page of tips for travel to Mexico from the Dept of State.

You'll need to shop around for your best air ticket plans. From my research, it seems that the plan must be to fly to Mexico City from your own country, then catch a flight to Oaxaca from the Mexico City airport, using either the Mexicana de Aviacion or Aeromexico airline companies. In the range of flights I examined from various airlines, the layover time is consistently around one hour. (Prices from US cities were all around \$600.) Because of the safety problems near Mexico City, I would encourage participants to exercise special caution while in the Mexico City Airport.

Information for a range of hotels is being posted on the website, and the arrangements for package accommodations in Oaxaca are included in this Newsletter. I tested out the method by calling the Oaxaca travel agency.

It sounds complicated, but really it's just that you need to call one place to tell them what you want, and send the money to another place.

Meanwhile, we continue our process of collecting proposals for meeting sites for the 2001 meetings. This is the last call: if you think your institution might serve as a possible host, please contact me immediately at elloyd@indiana.edu. Since we already have a couple of European possibilities, and no well-developed U.S. ones, it's very important to propose a U.S. site if the meetings are to be held, as tentatively thought, in the U.S.

Finally, I encourage all members and their colleagues to come to the beautiful city of Oaxaca, enjoy the mountain air, experience the ancient ruins, and join us in exploring the

latest and best work in studies of Biology, at our friendly meetings in the historic mission of Santo Domingo. •

OAXACA 1999: MEETING INFORMATION

A registration form should be enclosed with this Newsletter. If you did not receive one, contact David Magnus. You may also register on the ISHPSSB web site.

Registration in Oaxaca will begin Tuesday, July 6, from 4 p.m. until 8 p.m., and will continue on subsequent days. You will find the registration desk at Santo Domingo, the main site of the conference and not far from all the downtown hotels. •

OAXACA 1999: TRAVEL AND ACCOMODATIONS

ISHPSSB members interested in doing a little research ahead of time will find that the Oaxaca area is a region rich in history and culture. Two recent articles in *Natural History* magazine describe the ongoing archaeological research being done in three separate sites ("Palatial Digs," March '99), and the unique cuisine of the area ("The Unconquerable Tostada," April '99).

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The following hotel and accommodations information is now available at the Turismo Convento Travel Agency web site <http://antequera.com/TurismoConvento/>, where more information about hotels and amenities in the city will be available.

You can contact the travel agency directly, register on the web site, or send the enclosed form to the agency. Using either method, you will need to make your payment separately to one of the banks listed below. Payment must be received in advance.

The people in charge are Apolo and Ulises Bonilla, the owners of Turismo El Convento de Oaxaca. This travel agency has offices at some of the hotels included in our program, and in particular at the Camino Real. We have designed two different packages, either with 5 or 3 nights at Oaxaca. Extra nights can be added. Each package includes 4 lunches, a Guelaguetza dinner (a Mexican banquet with typical dancers), and a 3-hour trip to the archaeological site of Monte Alban (scheduled for Sunday, 11 a.m.). A typical menu for lunch would consist on natural fruit juices, salads, two main dishes (pasta or meat), coffee and tea (vegetarian food included).

Special Packages (Prices in U. S. dollars):

The relative quality of hotels is designated by the number of asterisks (*) and the price. The travel agency will reserve a room for you where one is available at the rate you request. All hotels are located downtown near Santo Domingo, except Victoria and Mision de los Angeles, which are a very nice 12-minute walk from Santo Domingo. Prices for double occupancy are per person. Additional charge for extra nights and children are listed. These prices include 4 lunches at the Camino Real Hotel and taxes, the Guelaguetza dinner (Friday night), and the field trip to Monte Alban.

A) 4 DAYS / 3 NIGHTS				
	SINGLE	DOUBLE	'Xtra Nite	Child
*** HOTEL	\$ 235	\$ 176	\$ 42	\$ 50
**** HOTEL	\$ 310	\$ 216	\$ 65	\$ 50
***** HOTEL	\$ 455	\$ 291	\$ 112	\$ 50
Gran Turismo/Camino Real	\$ 610	\$ 366	\$ 160	\$ 50
B) 6 DAYS / 5 NIGHTS				
	SINGLE	DOUBLE	'Xtra Nite	Child
*** HOTEL	\$ 305	\$ 216	\$ 42	\$ 50
**** HOTEL	\$ 420	\$ 261	\$ 65	\$ 50
***** HOTEL	\$ 660	\$ 386	\$112	\$ 50
Gran Turismo/Camino Real	\$ 900	\$ 496	\$160	\$ 50

Prices do not include: Transportation between Airport and Hotel (Edna and Ana took a taxi that cost \$15 Mexican pesos (\$1.5 USD) and it takes 15-20 minutes from airport to downtown.); Drinks at the banquet dinner, "La Guelaguetza"; Tips to Spanish-English tourist guides (optional); Breakfast or dinners other than the 4 lunches at Camino Real; or any other non-specified service.

Follow the payment instructions below:

- 1) Prices are per person, in U. S. dollars or Mexican pesos at the current exchange price.
- 2) Payments have to be done by check deposit/wire transfer to either of the accounts below: (due to Mexican legislation it is not possible to make credit card payments for these packages)
- 3) 100% prepayment is required
- 4) A fax with the deposit slip form must be sent after payment has been done at the following fax number: (951) 4-03-72. This is very important to acknowledge individual payments.

Payment can be made to either of the following accounts:
 Name: Turismo El Convento de Oaxaca, S.A. de C.V.
 Bank: Santander Mexicano
 Account number: 5150054420-7
 SUCURSAL: 455 San Felipe
 City: Oaxaca; Country: Mexico

or

Name: Ulises Bonilla Martínez
 Bank: California Commerce Bank
 Number account: 5905121010
 Phone number from E.E.U.U. 1-800-222-1243
 Address in the USA:
 P.O. Box 30886
 Los Angeles CA 90030-088

For additional information, contact:
 Turismo El Convento de Oaxaca S.A. de C.V.
 Apolo J. Bonilla Martínez, Sales Manager
 Calle 5 de Mayo # 300 Int. Hotel Camino Real Oaxaca, Oax
 TEL (951) 6-18-06; FAX (951) 4-03-72

[Note: If the Travel Agency can not answer all of your questions, Edna Suarez is in charge of hotel logistics for the Society: emsd@hp.fciencias.unam.mx]

[Note: Phone numbers listed above are for calls within Mexico. The country code for Mexico is 52.]

COMMITTEE ON EDUCATION REPORT

The committee has established a website linking to resources for teaching HPSSB. The site can be reached through the ISHPSSB home page. We invite suggestions for additional links, including links to your own syllabi and other work. Files sent by e-mail attachment can also be included on the site. Please also send bibliographic references and feedback on links we have included.

Do you have a syllabus on-line for any of the following: History of Biology; Philosophy of Biology; Biology & Society; Bioethics; Biology, enriched by HPSS; Darwin, The Genetics Revolution, 20th-Century Agriculture, Race, Gender & Science, or other special topics? Please send us your URL. Or take a moment to forward the latest electronic copy of your syllabus? We are also asking for a short informal paragraph discussing the design of your course, any underlying themes, effective teaching strategies relevant to the material, etc.

We are also building a resource center for non-ISHPSSB members, especially K-12 teachers and non-majors biology teachers. If you have material relevant to this audience, let us know! Contact Peter Taylor or Douglas Allchin: peter.taylor@umb.edu or allchin@pclink.com •

ISHPSSB 1999 ELECTIONS: INFORMATION

As usual in the spring before the biennial meetings, ISHPSSB is having elections for its future president, positions in the executive, and half the members of the council. This year's ballot includes some innovations (all within the Society's by-laws) that should be explained.

A persistent problem for academic societies is that candidates for president who do not win rarely run again, either for president or any office. The Society loses their experience and energy in running its affairs. ISHPSSB tried once to address this problem by having only one candidate for president, but some members felt this approach was not democratic and the council decided not to continue it. In these elections two other approaches are being tried:

1) There are three candidates for president. Although this doubles the number of losing candidates, the idea is to lessen the blow for them and increase the chance that they will run again.

2) Some of the presidential candidates are also council candidates, which makes it possible for losing presidential candidates to be elected to council.

These approaches to the nominations meant some choices concerning voting and ballot counting systems had to be made:

a) For a three-candidate presidential election the preferential voting system was chosen so that the winning candidate has the majority support. In this system, the first preferences are tallied and, if no candidate has 50% or more of the votes, the ballots of the candidate with the lowest total are reallocated to the second preference person on each.

b) The ballots for president '01-'03 will be tallied first. If the winning presidential candidate is also a council candidate, he will withdraw from the council ballot count.

c) If any of your three council votes is for a person also running for president, you have the option of designating a substitute vote for council. The substitute vote will be tallied only if one of your council votes is for the person elected president. With this system, no one will lose a vote in the council election; everyone will have three votes that count. This removes any reason to adjust your presidential or council preferences according to whether a candidate is or is not running for both positions.

Since these approaches to nominations and the voting and ballot counting systems are new, they procedures will be reviewed at the Oaxaca meeting.

Note: If you have paid your dues, but no ballot has been included with this newsletter, please contact David Magnus (magnus@mail.med.upenn.edu).

Executive

Continuing executive members are: President '99-'01: **Dick Burian** (Virginia Tech; rmburian@vt.edu); Past-president: **Lisa Lloyd** (Indiana U.; ealloyd@imap.indiana.edu); Secretary: **Peggy Stewart** (pegstew@ibm.net); and

Treasurer (& Membership services): **David Magnus** (U. Pennsylvania; magnus@mail.med.upenn.edu).

Statement: David Magnus is currently the Graduate Studies Director at the Center for Bioethics at the University of Pennsylvania. His activities for ISHPSSB have included the

OAXACA: Frequently Asked Questions:

1. Hotels are nearby Santo Domingo, except Victoria and Mision de los Angeles, which are within a 12 minute walking distance.

2. Lunch will be regular or vegetarian.

3. Hotel arrangements will be with the travel agency, UNLESS anybody wants to contact Edna Suarez (emsd@hp.fciencias.unam.mx) for specific details.

4. We strongly recommend that handicapped people stay at the Camino Real Hotel

5. Maps will be handed out with registration materials when you arrive.

6. From the airport one can take a taxi cab that costs 15 Mexican pesos and takes 18 minutes to the downtown area.

7. From the airport people may go directly to the hotel and then to the registration desk at Santo Domingo.

8. In July we can have showers, but the weather is very nice.

9. Don't panic, Oaxaca is a very safe city.

SEE YOU ALL, Ana •

organization of many sessions, and giving papers at each meeting for the past decade. For the past two years he has served as Treasurer and CFO for the Society which mostly has meant staying out of the way of Joe Savage, his administrative assistant. The Center for Bioethics has supplied administrative support and will continue to do so. Chief activities have been maintaining and updating membership records; arranging for the payment of all dues; distribution of funds for graduate students and unaffiliated scholars; providing membership labels upon request; assisting with the production of the society newsletter; assisting with the procurement of grants and/or donations for the society, and attempting to find ways to increase the membership of the society. We will soon be taking orders for a greatly reduced subscription rate to *Biology and Philosophy* and the *Journal of the History of Biology*. During his two years as Treasurer, paid membership has more than doubled.

New executive members

Program Organizer (unopposed): **Douglas Allchin** (independent scholar, Minneapolis; allchin@pclink.com)

Statement: I am a charter member of ISHPSSB (1989). My research, presented at various meetings, centers on disagreement and error in science and how they are resolved. I am also involved in biology education — for example, serving as a member of ISHPSSB's Education Committee and leading the SHiPS Science Teachers Network (since 1989). I have valuable previous experience as Program Co-Chair of the 3rd International History, Philosophy and Science Teaching Conference (1995). In organizing the 2001 program, I would like to balance the formal institutional need for presenting papers (to secure travel funds) with the Ishkabibble tradition of fostering dialogue. I anticipate that this will involve (at least) an optional framework for making papers available on-line prior to the meeting, to allow more opportunity for discussion at the meeting sessions themselves.

President-elect—to be chosen from these three candidates:

Werner Callebaut (Faculty of Sciences, Limburgs Universitair Centrum, Belgium/ Konrad Lorenz Institut fuer Evolutions- und Kognitionsforschung (KLI), Austria/ Faculty of Arts and Sciences, Universiteit Maastricht, the Netherlands; callebaut@klu.univie.ac.at)

Statement: Most of my research and teaching concerns the interrelations between biology and cognition. More specifically, I try to contribute to a rapprochement of an extended evolutionary synthesis, epigenetic perspectives on biological and cognitive development, and naturalistic accounts of society and culture. With Karola Stotz (University of Sydney), I am currently working on a volume, "Cognitive Biology and the Challenge of Development and Sociality." On leave from Maastricht, I am developing a Cognitive and Theoretical Biology Work Space at the KLI, which will be made accessible on the internet for interactive use. Other lines of work

concern the complementarity of the Anglo-American and German-Austrian branches of evolutionary epistemology, and the reappraisal of the philosophy of science of the Vienna Circle from a broad biological perspective that includes views and approaches that were excluded from the Modern Synthesis. Finally, I am preparing a large scale case study in biological/cultural coevolution that can function both as an empirical test of evolutionary epistemology and as an instrument to critically assess memetics.

As ISHPSSB president or council member I would want to concentrate on furthering the international nature of the society by devoting special interest to academics and work (both historical and contemporary) emanating from countries in Central Europe, Latin-America, etc. we have not reached well, if at all, until now. Another concern of mine would be quality control regarding both the scientific content of the meetings and the administrative functioning of the society. Both aims might imply securing a more solid financial basis for our functioning without giving up our cherished autonomy. I would also like us to think about ways to profitably use our collective and institutional expertise to strengthen the ties between workers in the history, philosophy, and social studies of biology worldwide.

Lindley Darden (U. Maryland; darden@carnap.umd.edu)

Statement: The International Society for History, Philosophy, and Social Studies of Biology fulfills the important mission of fostering interfield interactions among

philosophers, historians, sociologists, and biologists. The society should strive to continue its openness to students, to new formats, to informal exchanges in its summer meetings and to international interactions. I would also like to see plenary sessions that cut across the disciplines as a regular feature of the summer meetings. Perhaps regional gatherings of members can be encouraged in the off-years between the regular meetings, if there are members who would like to organize them. They would foster additional opportunities for graduate students and for those who cannot easily travel to distant meetings.

Biographical information: Lindley Darden is Professor of Philosophy, a member of the Committee on the History and Philosophy of Science, and of the Committee on Cognitive Studies, at the University of Maryland, College Park. She is a philosopher of science and historian of biology interested in discovery and conceptual change in biology. She received her Ph.D. in Conceptual Foundations of Science from the University of Chicago in 1974. Her book, *Theory Change in Science: Strategies from Mendelian Genetics*, was published by Oxford University Press in 1991. Her current research is on discovering mechanisms in molecular biology. She served on the ISHPSSB 1991 program committee, 1993-95 nominating committee, as the 1993 cochair of the poster session, and organized sessions and/or presented papers or posters in 1997, 1993, 1991, and 1989.

You should find a ballot enclosed with this Newsletter.

Gregg Mitman (U. Oklahoma; gmitman@ou.edu)

Statement: The meetings of the International Society for the History, Philosophy, and Social Studies of Biology have always been those I most look forward to. For younger scholars, they offer a warm and supportive environment. For all, ISHPSSB serves as an intellectual commons where the integrity of disciplinary perspectives is respected and the vitality of interdisciplinary exchange is valued. The intellectual companionship fostered by these meetings provided an important forum in the development of my own scholarship, which centered first on the history of biology and political life in American culture (*The State of Nature: Ecology, Community, and American Social Thought, 1900-1950*, University of Chicago Press, 1992) and over the last ten years has focused increasingly on the interactions between science and popular culture, culminating in a historical exploration of nature film as a technology at the intersections of art, science, and entertainment (*Reel Nature: America's Romance with Wildlife on Film*, Harvard University Press, 1999).

The main task of an ISHPSSB president continues to center on the biennial meeting. If elected president, I would continue in the tradition of past presidents in working to ensure a conference full of innovative sessions and one that is open to new participants and ideas. To this end, travel funds for graduate students and independent scholars have been important and I would pursue opportunities that might increase available funds for travel support. In addition, issues like child-care facilities and handicap accessibility are important if we are to continue to make meetings open to as many participants as possible. As either president or a council member, I would also hope to expand new initiatives to help members remain in active contact between meetings and extend the reach of the society. Certainly, the listserv is a valuable addition. As a council member of the History of Science Society, and as a former program committee member of the American Society of Environmental History, I also believe that joint sessions co-sponsored by ISHPSSB at meetings of affiliated professional organizations would be important for forging new relations and increasing the visibility of our society and its members. I believe these initiatives could be accomplished while maintaining the society's informal infrastructure that many members find refreshing. At a time when relations between the science and science studies communities are strained, ISHPSSB stands out as a professional society that demonstrates the productive collaborations taking place between life scientists, social scientists, and historians and philosophers of science.

Council

Continuing members, '97-'01: **Marilia Coutinho** (marilia_coutinho@hotmail.com); **Cor van der Weele** (U. Utrecht; CvdWeele@theo.uu.nl); **Walter Bock** (Columbia U.; wb4@columbia.edu)

New members, '99-'03—three to be chosen from the following:

Werner Callebaut (see above)

Jane Maienschein (Arizona State; maienschein@asu.edu)

Statement: From the beginning, ISHPSSB (immediately dubbed "Ishkabibble") has been informal with maximal intellectual value per dollar and with an emphasis on building a community of interdisciplinary explorers of biological issues. Its greatest strengths are its interdisciplinarity, internationality, and the central role that graduate students and younger scholars have always played, and the organization must preserve these strengths in order to remain rich and vital. Yet there are challenges to each, and the Council must work to overcome them. First, interdisciplinary thinking is hard, and the individual disciplines tend to fly apart. For our meetings, we must work harder not to allow the program to ghettoize into separate sessions on history, philosophy, sociology, biology, and such — attended respectively by historians, philosophers, sociologists, biologists, and such. Program committees need support in their determination to promote the sort of creative exchange of ideas that is so difficult elsewhere.

Second, our international membership is advantageous to all, yet travel is more expensive the farther we go and it is more and more difficult for younger scholars to obtain funds for foreign travel. The officers must continue to seek grants and other support as well as to explore ways to benefit from this cross-cultural and multi-national exchange of ideas. Third, we must make sure that graduate students and independent scholars of all levels feel comfortable and welcome. The Council has always had a student member, not because that person has lesser status but because we wanted to be sure that there was representation from students. We need to listen to concerns about the profession, recognize that there are many ways for Ph.D.s to contribute to society (some much better paid and at least as rewarding as academic jobs) and to help provide "networking" opportunities for other than traditional career paths. What does an "Ishkabibbler" offer that is more exciting, dynamic, important, and intellectually valuable than anybody else: that's the question we should try to answer in order to continue to build a community that is more fun and more lively than existed before the society came along. As first president of the society, I would be happy to help continue this building through membership on the Council.

Gregg Mitman (see above)

Lenny Moss (U. Notre Dame; lennymo@casbah.acns.nwu.edu)

Statement: I attended my first ISHPSSB meeting at the University of Western Ontario in 1989. Still working as a cell biologist and accustomed to the character of large scientific meetings, I found myself delighted with the ease of meeting people, and their openness, energy and enthusiasm for talking about ideas well into the night. This vision, however embellished by time it may have become, does provide for me a regulative ideal for thinking about the future of the Society. Much of my own efforts over these years have been oriented toward expanding our philosophical focus beyond the confines of the Modern Synthesis and especially in the direction of developmental perspectives and critical ap-

proaches to understanding the limits of the gene concept. I am interested in the social, ethical, and cultural, as well as epistemological, significance of how we understand, and come to understand, what it means to be human. My desires for the Society are to help sustain the richness that it has achieved and to help further promote multi-disciplinary and multi-national communication through meeting arrangements which are conducive to informal interactions (see above), processes of program development which maximize the possibilities for heterogeneity at the individual session level, current on-line availability of member's e-mail addresses, and a continued commitment to internationalism in the choice of meeting locations.

Eva Neumann-Held (European Academy for Study of the Consequences of Scientific and Technological Advances; eva.neumann-held@dlr.de)

Statement: My research interests are directed toward philosophy of biology, and particularly toward different conceptualizations of developmental biology and its connection to evolutionary theorizing. I am also interested in the social and ethical context and consequences of these different approaches.

These research interests essentially require an interdisciplinary exchanges of the kind I have found in the ISHPSSB, particularly the biennial conferences.

As a member of the council of ISHPSSB, I would certainly support the organizational structures that so far have allowed for such interdisciplinary discussions. But in addition, I would try to encourage "intradisciplinary" exchanges. I would like to support more exchanges between different "schools of thought" and "schools of research interests". The purpose here is to clarify the issues that are thought to distinguish those schools, and to allow for an investigation whether and where such distinctions are really based on different concepts, or whether they are due to different methodical approaches.

Furthermore, I believe that sessions and discussions in the platforms provided by ISHPSSB sometimes lack an integration of methodological reasoning, for example on the foundation of science. I would support to encourage researchers interested in this topic to join ISHPSSB and to bring in their standpoints.

Chris Young (History, Science, and Culture, Mount Angel Seminary, Oregon; cyoung@mtangel.edu)

Statement: Although science studies tends to be interdisciplinary by their very nature, I believe organizations like ISHPSSB provide an important forum for academic and professional development along explicitly interdisciplinary lines and across disciplinary boundaries. My active participation in ISHPSSB work began in 1996, when the Society listserv (ISHPSSB-L) was established at the University of Minnesota. Shortly thereafter, I took over as Newsletter Editor. In the future, I would like to see contributions to both the ISHPSSB-L and the Newsletter increase in ways that represent the diverse communities the Society serves. That

is, I would like to see ISHPSSB expand activities that invite conversation between and among biologists, science educators, philosophers, sociologists, and historians of science. Recognizing that within each discipline we have communities and societies where our specialized contributions can be appreciated, ISHPSSB should especially strive to provide unique opportunities for showcasing those contributions on a broader scale. •

SPECIAL OFFERS FOR MEMBERS

ISHPSSB Membership Directory

Members are invited to request a copy of the ISHPSSB Directory by sending a request to David Magnus, the Society secretary. The first copy is free. Members who would like a second copy of the directory are asked to forward a check for \$3.00 payable to the Society to cover copying and mailing costs. The directory is updated at the beginning of each year; members submitting requests after February 1 will receive a copy of the latest directory. •

SPECIAL ANNOUNCEMENTS

Jill E. Cooper

Jill E. Cooper completed her dissertation "Of Microbes and Men: A Scientific Biography of Rene Jules Dubos" at Rutgers University in October 1998. She is currently a post-doctoral fellow in history at the Institute for Health, Health Care Policy, and Aging Research in New Brunswick. •

Marjorie Grene Prize

The Marjorie Grene Prize is intended to advance the careers of younger scholars, and will be awarded to the best manuscript based on a paper presented at one of the previous two ISHPSSB meetings by someone who was, at the time of presentation, a graduate student.

Graduate students presenting papers at the meeting in Oaxaca should start planning now to submit their work in next year's competition!

It is very appropriate for ISHPSSB to name this prize in Marjorie Grene's honor. Her work in history and philosophy of biology has provided models for many ISHPSSB members, and exemplifies the spirit of pursuing interactions among the fields within ISHPSSB; she played a central role in bringing together the scholars in the meetings that became the pre-history of ISHPSSB; and she has been a mentor to many of the leading members of the Society.

The award consists of a certificate and up to \$200 towards expenses incurred in attending the following meeting of the Society and not reimbursed from another source. If the manuscript is not already under review by a journal, the

prize committee will promote the winning entry to one of the leading journals. The prize will not be awarded this year, lacking a sufficiently large pool of applicants. •

POSITIONS AVAILABLE

Visiting Position in Philosophy: Connecticut College

The Philosophy Department invites applications for a one-year replacement position (salary competitive and medical benefits included), beginning August of 1999. Ph.D. preferred; exceptional ABD candidates will be considered. The position involves teaching six (6) courses.

Courses to be taught are two sections of an historically-oriented introduction to philosophy, one intermediate-level course on philosophy and the environment, one intermediate-level course on philosophical approaches to Darwinism and evolutionary theory, one intermediate-level course on a selected topic in the philosophy of science, and one course to be determined. AOS: Philosophy of Science; AOC: Open.

Applicants must have documented excellence in teaching. The dossier should include a letter of interest, current c.v., graduate transcript, syllabi of all courses taught independently, proposed outlines of syllabi for courses to be taught, a writing sample, and two letters of reference. Applicants should submit a complete dossier as soon as possible; review of applications will begin immediately and continue until the position is filled.

Connecticut College is an AA/EO employer actively engaged in increasing faculty diversity. Connecticut College is a private, highly selective college with a strong commitment to the liberal arts tradition and an emphasis on broad interdisciplinary teaching and research.

Apply to: Prof. Lawrence Vogel, Acting Chair, Department of Philosophy, Connecticut College, Campus Box 5628, New London, CT 06320. Contact Prof. Vogel at (860) 439-2184 if further information is required. •

Two Visiting Assistant Professors: Michigan State University

Michigan State University invites applications for two full-time, temporary positions as visiting assistant professors of science and technology studies (STS) in the Lyman Briggs School, an undergraduate, residential, liberal arts science program in the College of Natural Science. Candidates will teach two sections per semester of our first-year writing course, which also serves as an introduction to science and technology studies. (One of the four courses is likely to be replaced by an upper-division STS course.) Candidates should hold a Ph.D. with a specialization in STS, composition, rhetoric, English, history, philosophy, or a related field,

and should have experience working with undergraduates in composition courses. ABDs will be considered, particularly those who combine strengths in STS and expository writing

instruction. Salary commensurate with experience, but in the mid-\$20K range. Positions may be renewed annually, depending on performance and budgetary factors. Underrepresented minorities and women are especially encouraged to apply. Letters of application, accompanied by a curriculum vitae

Discount Journal Subscriptions

Beginning in 1999 there will be a special rate of USD\$50 for members of the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB) for the journal *Biology and Philosophy* (BIPH). Members of this society can subscribe to the *Journal of the History of Biology* (HIST) for the same rate, also beginning 1999. If society members subscribe to both journals, they can receive both for a price of USD\$90.

Contact David Magnus for special payment options. •

and three letters of recommendation, should be sent by April 5, 1999, to Dr. Robert Shelton, Lyman Briggs School, E-27 Holmes Hall, Michigan State University, East Lansing, MI 48825-1107. •

CONFERENCES

Philosophical Problems in the Neurosciences

The fifth meeting of the Pittsburgh-Konstanz Colloquium in the Philosophy of Science will take place in Konstanz, Germany during the four day period from Wednesday, May 26, 1999 until Saturday, May 29. The meeting will focus on philosophical problems, specifically methodological and conceptual problems, in the neurosciences. The Pittsburgh-Konstanz Colloquium in the Philosophy of Science is a joint biennial undertaking of the Center for Philosophy of Science of the University of Pittsburgh (USA) and the Zentrum Philosophie und Wissenschaftstheorie of the University of Konstanz (Germany).

The conference will take place at Hotel "Waldhaus Jakob" (Konstanz). The conference fee is DM 130 and DM 80 for students respectively (4 lunches and refreshments are included). There will be an excursion followed by a dinner which are not included in the conference fee. The price is DM 80 and DM 55 for students respectively. Those planning to attend are requested to register in advance.

Further information: Prof. Gereon Wolters, University of Konstanz, FG Philosophie, Fach D15, D-78457 Konstanz, Germany, Tel. +49-7531-882745 (office); Fax 882502 •

Nature and Belief in American Communal Societies: Association for the Study of Literature and the Environment

When: June 2-5, 1998

Where: Western Michigan University, Kalamazoo, MI

In *The Death of Nature*, Carolyn Merchant points to seventeenth-century English sects such as the Diggers and the Ranters that sought to establish "egalitarian communal societies like those attempted by the medieval millenarian utopists." They challenged not only the socio-economic hierarchy of their time, but the emerging mechanistic world-view on which it was based, according to Merchant. While the lessons of science taught the general populace that the material world could be subjected to human control, these sects drew from the thought of Paracelsus to envision a nature filled with God, of which they were a part.

Communal societies guided by religious precepts, such as those mentioned by Merchant, have sprouted across the American landscape throughout its history. Few studies of such communities have taken any sustained look at questions concerning the relationship between man and nature raised by current environmentalist thought. This panel will examine the philosophies that underlie the practices of various American communal societies, from their earliest appearances to the present day. Pertinent issues to address include: How do religious precepts of the group define nature and the relation between man and nature? Is the religious philosophy of the group based on an interpretation of some biblical text, or any other text? Has the community generated its own written texts articulating the beliefs of the group? To what extent is the place of nature within the practical structure of the community mediated by written texts? Is there any relationship between the place of women in the community, and the philosophy of nature implied or directly stated within the belief system of the community? Historically, certain communities have experienced a weakening in their spiritual practices and convictions as their material fortunes improved. Does the community's attitude toward nature play any role in the changes in its fortunes? What is the connection between the group's millenialist philosophy (presuming it has one) and its relation to nature? What implications does this have for us, as we simultaneously confront the exhaustion of natural resources, possibilities of economic collapse, and a rash of apocalyptic visions occasioned by the coming millennial year?

Contact: Dr. Jan Stryz, Aquinas College, 1607 Robinson Rd. S.E., Grand Rapids MI 49506. Questions may be e-mailed to: stryzjan@aquinas.edu •

What to Make of a Diminished Thing: The Association for the Study of Literature and Environment (ASLE)

When: June 2-5, 1999

Where: Western Michigan University, Kalamazoo, MI

Featured speakers include: John Elder, Stephanie Mills, and Scott Russell Sanders. Program to include: topics related to literature and environment, such as: environmental restoration, urban nature, environment and community, ruined landscapes, environmental justice, stewardship, ecology and religion.

Contact: Walter Isle, ASLE 99, English Department MS 30, Rice University, 6100 South Main, Houston, TX 77005, Phone: 713-737-5606, Fax: 713-285-5991, e-mail: wwisle@rice.edu

Web site: <http://www.people.virginia.edu/~djp2n/asle.html> •

Science-in-Society, Society-in-Science: A Workshop Fostering Critical Thinking about Science & Technology in their Social Context

Monday July 26, 1999, 9:00am-5:00pm

(Please bring to the attention of teachers in the New England area)

This summer the Critical and Creative Thinking (CCT) Program at the University of Massachusetts, Boston is bringing together teachers, students, and other concerned citizens to participate in a day of workshops and presentations given by innovative and inspiring teachers. These teachers will engage you through case studies ranging from genetic testing to population growth and environment, computers and gender equity to disputes over scientific integrity.

You will learn how placing developments in science and technology in their social context can enliven and enrich science education, science popularization, and citizen activism. The sessions are designed to stimulate a range of participants: K-12 teachers wanting to make the science, technology and human affairs an integral part of their science or social studies classes; high school and college students wanting to keep sight of the social implications of their studies in science; and citizens wanting to promote active social debate about the directions taken in science and technology.

You will experience model class activities, be informed of resources, receive a directory of participants and other printed materials, and become linked to networks for support and inspiration for your subsequent efforts.

For more details on the workshop sessions: <http://omega.cc.umb.edu/~cct/workshop99.html> For registration & other questions: email: cct@umb.edu; phone: 617-287-6520 •

The Recent History of Botanical Science: A General Symposium for the 16th International Botanical Congress

When: August 1-7, 1999

Where: St. Louis, Missouri, USA

This symposium is designed to examine the recent history of botany from a number of different directions in order to gain an appreciation of general trends in twentieth century botanical research. It will include contributions from botanists and historians who will examine the role of individuals, institutions, organisms, and choice of research problems in various subdisciplines and fields of the botanical sciences.

Contact: Vassiliki Betty Smocovitis, Dept. History, 4131 Turlington Hall, University of Florida, Gainesville, FL 32611 USA; or Josef Daniel Ackerman, Environmental Studies Program, University of Northern British Columbia, Prince

George, British Columbia, V2N 4Z9 Canada; Phone: (352) 392-0271; Fax: (352) 392-6927

Speakers: Ronald Stuckey, "Botanical History of North America: Important Contributions Chronicled for the Twentieth Century;" Nancy Slack, "Life After Clements: Do Plant Communities Still Exist?"; Kim Kleinman, "Edgar Anderson, Introgressive Hybridization, and Evolutionary Theory in the 1940s;" Mark Lesney, "Plants in Peril: Plant Protection and the Rise of Biotechnology;" Vassiliki Betty Smocovitis, "Botany at Harvard, 1918-1950;" James Pringle, "Milestones in the History of North American Botany;" Doug Holland, "A Short History of Botany in the United States — Thirty Years Longer." •

Nature, Society, and History: Long Term Dynamics of Social Metabolism

September, 30th, - October, 2nd, 1999

Vienna, Austria

Scientific Committee: Marina Fischer-Kowalski, IFF Vienna, Austria; Rolf-Peter Sieferle, Mannheim University, Germany; Eugene Rosa, Washington State University, USA.

Keynote Speakers: Stephen Boyden, Nature and Society Forum, Canberra, Australia; Mark Hambley, Ambassador to the U.N., Washington, D.C., USA; Ilona Kickbusch, Yale University, USA.

The conference will be hosted by the Institute for Interdisciplinary Studies of Austrian Universities - IFF - Social Ecology, Vienna, Austria. E-mail: barbara.smetschka@univie.ac.at
Further information: <http://www.univie.ac.at/iffsocec> •

International Council of Associations for Science Education: Third Latin American and Caribbean Symposium of ICASE

Curitiba, Parana, Brazil

October 4th to 8th 1999, (Opening ceremonies: October 3rd 1999 evening)

Theme: Promoting Scientific and Technological Culture for All in the 21st Century, Project 2000+

Further information about the 3rd. Symposium and any updates can be obtained by checking the University of Parana Home Page at: <http://www.ufpr.br/eventos/icase/> or contact: icase3sl@garoupa.bio.ufpr.br •

'Nature's Nation' Reconsidered: American Concepts of Nature from Wonder to Ecological Crisis: European Association for American Studies Conference 2000

When: April 14-17, 2000

Where: Graz, Austria

Today's advanced understanding of nature calls for a drastic re-conceptualization of traditional ideas about our relation to the natural environment. At the beginning of a new millen-

nium an adequate understanding of 'nature' will be of utmost importance, and an investigation into the dominant ideas and attitudes of a nation and culture powerful enough to change that environment on a global scale would seem highly appropriate. A host of historical, socio-political and economical as well as cultural, literary, and psychological approaches can be applied to the theme in an attempt to understand the place and function of nature in American history (and the history of American self-definition) as well as the current manifestations of a new interest in nature in various areas of American culture and society. Lectures and workshops could thus inquire into the powerful impact the idea of nature had on American society and culture in the past, but also into the creative ("utopian") potential it still has in contemporary conceptualizations of alternative or different lives (and life styles). They could explore the multitude of myths and concepts relating to 'nature' and 'America' (European and American projections, Jeffersonian ideals and agrarian myths from the early republic to the New Deal, from pastoral self-confinement to the dynamics of westward expansion), conservation movements (the establishment of national parks and natural museums), nature writing, the representation of nature in literature, the arts, photography and film. They could also deal with Native American natural religion and its echoes in contemporary mainstream and (ethnic) counter-culture(s), with ecological movements in politics and the arts, with eco-feminism; or with the various manifestations of 'artificial' nature in plastic or in cyberspace.

Recent information on the conference will be available on the web site of the EAAS at: <http://www.let.uu.nl/eaas/eaas2000.htm>

Contact: Jaap Verheul, History Department, Utrecht University, Kromme Nieuwegracht 66, 3512 HL Utrecht, The Netherlands, tel. +31 30 253 6034, fax. +31 30 253 6391, e-mail: Jaap.Verheul@let.uu.nl •

International Interdisciplinary Conference

The Society for Indian Philosophy & Religion will hold an International Interdisciplinary Conference in Calcutta 1-4 August, 2000. The Conference theme is Language, Thought and Reality: Science, Religion and Philosophy.

The Advisory Board comprises: Kisor K. Chakrabarti (USA), Willem Derde (Belgium), Owen Flanagan (USA), Michael Ferejhon (USA), Jonardon Ganeri (UK), Robert Goldman (USA), Michael Howard (USA), Gerald Larson (USA), Chris Ross (Canada), Isaac Nevo (Israel), Leon Schlam (UK), Sukharanjan Saha (India), Braj Sinha (Canada).

We welcome your participation and suggestions. Contact: Dr. Chandana Chakrabarti, Elon College Campus Box 2336, Elon College, N.C. 27244, USA. E-mail chakraba@numen.elon.edu; Phone (336) 538-2705, Fax (336) 538-2627. •

PUBLICATIONS OF INTEREST

Agner Fog, *Cultural Selection*, (Dordrecht: Kluwer, 1999).

Interdisciplinary treatise giving a comprehensive overview of cultural selection theory - a theory of social change based in part on evolutionary thinking. Challenges traditional sociology by its superior ability to explain the irrational, unplanned, or unwanted aspects of a culture.

Cultural selection theory is broader than memetics, because it includes selection processes that can not be expressed in terms of information units. Demonstrates a causal connection between the peacefulness or bellicosity of a society and its cultural expressions: political ideals, discipline, philosophy, morals, art, and music.

The book examines examples from many different aspects of culture, including: the history and evolution of religions; political history; economic competition; the spread of myths, stories, beliefs, jokes, etc.; witchhunts and moral panics; the role of mass media in social change; sexual behavior and the development of sexual morals; art, music, dance, clothing; play, games, sport; political consequences of the theory. Excerpts from the book can be seen at: www.agner.org/cultsel/; contact the author at: Agner@login.dknet.dk •

Natural Contradictions: Links Between Ecological Science and Environmental Politics

Special issue of *Science as Culture* 7(4). Guest Editors: Yrjo Haila and Peter Taylor

"How does the commons become tragic? Simple models as complex socio-political constructions," Peter Taylor; "Political undercurrents of modern ecology," Yrjo Haila; "Newtonian ecology and beyond," Douglas H. Boucher; "Political ecology of deforestation in Central America," John Vandermeer and Ivette Perfecto; "The internal and external in explanatory theories," Richard Levins.

Subscriptions: Issues of *Science as Culture* are numbered in volumes, each comprising four issues per year, starting in 1990. Personal rate for four issues: £32 or \$48 in North America; Institutional rate for four issues: £92 or \$138 in North America. All orders and remittances should be addressed to: Carfax Publishing Limited, PO Box 25, Abingdon, Oxfordshire OX14 3UE, UK. Tel. +44 (0) 1235 401000; Fax +44 (0) 1235 401550; E-mail enquiries@carfax.co.uk; or Carfax Publishing Limited, PO Box 352, Cammeray, NSW 2062, Australia. Tel. +61 (0) 2 958 5329; Fax +61 (0) 2 958 2376; E-mail carfax@IBM.net; or to Carfax Publishing Limited, 875-81 Massachusetts Ave, Cambridge, MA 02139, USA. Tel. 1 (800) 354 1420; Fax +1 (617) 354 6875. •

INTERNET: LISTS AND SITES

New WWW archive established for Darwin and Darwinism

Point your browser to: <http://www.human-nature.com/darwin/index.html> The resource currently contains books, debates on evolutionary theory, evolution on the www, and creationism and evolution. Also included are the following complete works: Charles R. Darwin — *On the Origin of Species, The Expression of the Emotions in Man and Animals, The Voyage of the Beagle, The Descent of Man*; Alfred Russel Wallace — *On the Law that has Regulated the Introduction of New Species* (1855), *On the Tendency of Varieties to Depart Indefinitely From the Original Type* (1858); Thomas Henry Huxley — *Autobiography and Selected Essays*; Andrew Dickson White — *History of the Warfare of Science With Theology in Christendom*; and William James — *The Varieties of Religious Experience: A Study in Human Nature*.

Our host site, Human-Nature.Com, also contains several hundred papers, articles, electronic journals, book reviews, interviews, and more than a dozen other complete books, together with unique search facilities and a collection of over four thousand hyperlinks.

Contributions on any relevant topic are welcome. It is anticipated that the site will have a particular emphasis on evolutionary psychology, sociobiology, evolutionary epistemology, and evolutionary ethics. •

The Huxley File

The Huxley File is addressed to an audience ranging from those who never heard of Thomas Henry Huxley to those who are familiar with him and may even have read some of his work. For specific guidance on the various subjects he wrote about – fields ranging from the design of marine invertebrate structure to the design of a good human society – the cybernaut may refer to any of the 21 guides concluding this preview. Selections in THE HUXLEY FILE that appear only in obscure Victorian magazines or hidden archives will be of interest to those who do know him and may even have studied and published on him. Point your browser to: <http://aleph0.clarku.edu/huxley/> •

INTERNET: ISHPSSB LIST AND SITE

ISHPSSB Listserv

The ISHPSSB listserv provides instant information to members around the world. The listserv is moderated by an ISHPSSB member, so no "junk" e-mail gets through — only information of interest to members. This will include updates on the 1999 Meeting in Oaxaca!

As a member of ISHPSSB, you are not automatically subscribed to the society's listserv. Subscribe today to stay in touch.

The moderated listserv for the society is sponsored in part by the University of Minnesota Program in History of Science and Technology. Any member interested in receiving mailings on this listserv should "subscribe" to the list by sending

the following message:

SUBSCRIBE ISHPSSB-L yourfirstname yourlastname

to: LISTSERV@tc.umn.edu

To send a message (information of interest or questions related to the history, philosophy, and social studies of biology) to all the people currently subscribed to the list, send to:

ISHPSSB-L@tc.umn.edu

Newsletter information goes out regularly on the listserv. Every ISHPSSB member is encouraged to subscribe to the e-mail list to enjoy more frequent and rapid correspondence with other members. If you know members who have not subscribed, please encourage them to do so.

Questions? Contact the listserv moderator, Chris Young, directly at: cyoung@mtangel.edu •

ISHPSSB Website

<http://www.phil.vt.edu/ISHPSSB/>

The ISHPSSB Website is the best source for the latest information on the 1999 Meeting in Oaxaca, including travel arrangements and program updates.

The web pages also contain the latest newsletter, instructions for how to subscribe to our listserv, and links to additional resources in science and technology. You can join ISHPSSB right over the web, as well as participate in a survey on the impact ISHPSSB has had in your professional life. You can access the site by typing the address into any web-browser. Ideas for additional items to include are always welcome — please forward them to Valerie Hardcastle, web site administrator; e-mail: valerie@vt.edu •

OAXACA 1999: PRELIMINARY PROGRAM

WEDNESDAY 1:30-3

Modeling Practices in Contemporary Biomedicine — PART I

Organizers: J.P. Gaudilliere and O. Amsterdamska

“Modeling epidemics”

Olga Amsterdamska (U. of Amsterdam; Amsterdamska@chem.uva.nl)

“Modeling between Research Objects and Agents of Disease: Poliovirus in the Laboratory”

Angela Creager (Princeton U.; creager@princeton.edu)

“Of mice and Wo/Men: Modeling obesity in postwar America”

Jean-Paul Gaudilliere (INSERM, Paris; gaudilliere@necker.fr)

August Weismann — PART I

Organizers: Abigail Lustig

“August Weismann as seen from the archives”

Frederick B. Churchill (Indiana U.; fbchurchill@indiana.edu)

“Sex, Death, and Evolution in Proto- and Metazoa”

Abigail Lustig (Cit  des Sciences, La Villette, Paris; ajlustig@altavista.net)

“Sex and the nature of science”

Susan Mooney (Stonehill College; smooney@copper.stonehill.edu)

Emergence and Symbiosis: Biological, Philosophical and Economic Perspectives

Organizers: Surindar Paracer

“Emergent Symbioses and the Biological Landscape”

Surindar Paracer (Worcester State College; sparacer@worc.mass.edu)

“Emergent Evolution and the Philosophical Criticism of Intelligent Design”

David Blitz (Central Connecticut State U.; blitz@ccsu.edu)

“Design and Chance in Emergent Business Eco-systems”

Robert Hartwig (Worcester State College; rhartwig@worc.mass.edu)

“Emergence of Complex Behavior in the Nervous System”

Edward Matalaka (Worcester State College; ematalaka@aol.com)

Topologies and Typologies of Life in the Digital Domain

Organizers: Arantza Etxeberria, Stefan Helmreich

“Representing Life for a Living: The Seductive Topologies of Artificial Life”

Richard Doyle (Penn State U.; mobius@psu.edu)

“Symbol/Matter Complementarity and Artificial Evolution”

Arantza Etxeberria (U. of the Basque Country; ylbetaga@sf.ehu.es)

“Silicon Second Nature: Culturing Artificial Life in a Digital World”

Stefan Helmreich (Stanford U.; stefang@leland.stanford.edu)

“On the use of concepts of coding in the biological sciences”

Jon Umerez (ylbumurj@sf.ehu.es)

Synthetic Theory and NS-Biology

Organizers: Thomas Junker and Uwe Hoßfeld

“State biology, race studies and modern synthesis in Germany during the Third Reich”

Uwe Hoßfeld (Jena; b7houw@pluto.rz.uni-jena.de)

“Synthetic Theory, Eugenics and NS-Ideology”

Thomas Junker (Eberhard-Karls-Universitaet; thomas.junker@uni-tuebingen.de)

Organisms — A Prejudice? — PART I

Organizers: Eva M. Neumann-Held, Christoph Rehmann-Sutter, Mathias Gutmann

“Biological Organicism and the Ethics of the Human-Nature Relationship”

Christoph Rehmann-Sutter (U. of Basel; rehmannc@ubaclu.unibas.ch)

Wednesday, continued

“The epistemology of living organisms in Aristotle’s philosophy”
Fernando Moya (UMH; fmoya@umh.es)

“Historical and methodical aspects of the Organisms”
Christine Hertler (U. of Frankfurt; chertler@sng.uni-frankfurt.de)

“The Concept of Organism in Physiology”
Robert Perlman (The U. of Chicago; r-perlman@uchicago.edu)

WEDNESDAY 3:30-5

Modeling Practices in Contemporary Biomedicine – PART II
Organizers: J.P. Gaudilliere and O. Amsterdamska

“How foreign a mouse is ? Mice, humans and grafts before and after World War II”
Ilana Lowy (INSERM, Paris; lowy@msh-paris.fr)

“From 3D Structure to Rational Drug Design: Shaping Biomedicine as an Information Science”
Timothy Lenoir (Stanford U.; tlenoir@stanford.edu)

Discussion

August Weismann – PART II
Organizers: Abigail Lustig

“Weismann’s Lamarckism: On The Inheritance of Acquired Germinal Characteristics”
Rasmus Winther (Indiana U.; rwinther@indiana.edu)

“Weismann and Weismannism”
James Griesemer (U. of California, Davis; jrgriesemer@ucdavis.edu)

Discussion

Philosophy of Biology I

“On Middle Range Theories”
Pablo Lorenzano (Universidad Nacional de Quilmes; pablol@unq.edu.ar)

“Entropy and genetic information as a unificatory coupling between physics and biology”
Julio E. Rubio (Tecnologico de Monterrey; jrubio@campus.cem.itesm.mx)

“Is Canalisation Being Logically Forced?”
Naomi Dar (The Hebrew U. of Jerusalem; naomid@shum.huji.ac.il)

“Beyond Bifurcation: Why Two Concepts of Function in Biology is Not Enough”
Peter Schwartz (U. of Pennsylvania; pschwartz@mail.med.upenn.edu)

Models in Ecology
Organizer: Jay Odenbaugh

“The Strategy of Model-Building in Population and Community Ecology”
Jay Odenbaugh (U. of Calgary; jpodenba@acs.ucalgary.ca)

“Mechanism, Unification, and the Explanatory Continuum”
Gregory Cooper (Duke U.; gcooper@acpub.duke.edu)

“Why Do Bayesian and Frequentist Analysis Give Different Results in Population Viability Analysis?”
Ariela Tubert and Sahotra Sarker (U. of Texas, Austin; sarker@mail.utexas.edu)

Wednesday, continued; Thursday

Commentator:
Greg Mikkelsen (Rice U.; mikk@ruf.rice.edu)

The Status of “Information Talk” – Discussion Session
Organizer: Paul E. Griffiths

Participants:
Paul E. Griffiths (U. of Sydney; paulg@scifac.usyd.edu.au)
Peter Godfrey-Smith (Stanford U.; pgsmith@turing.stanford.edu)
Karola Stotz (U. of Sydney; karola.stotz@rug.ac.be)

Organisms – Prejudice? – PART II

Organizers: Eva M. Neumann-Held, Christoph Rehmann-Sutter, Mathias Gutmann

“A conceptual approach to the idea of organism”
Kepa Ruiz-Mirazo and Alvaro Moreno (Univ. of the Basque Country; sfbrumik@sf.ehu.es)

“Epigenesis: a Missing Link between Genes, Environment and Organism?”
Linda Van Speybroeck (U. of Ghent, Belgium; linda.vanspeybroeck@rug.ac.be)

“Downward Causation, Property Emergence and Teleological Explanation in Biological Systems — Toward an Organism-Centered Biology”
Charbel Niño El-Hani (U. of São Paulo, Brazil; charbel@radnet.com.br)

“Organism – A Prejudice? — The Status of the “Organism’ in Biology”
Mathias Gutmann and Eva M. Neumann-Held (European Academy for the Study of Consequences of Scientific and Technological Advance GmbH; mathias.gutmann@dlr.de; eva.neumann-held@dlr.de)

THURSDAY 9:00-10:30

“Genes, Gestation, and Life Experiences: Perspectives on the Social Environment in the Age of DNA” – PART I

Organizer: Peter Taylor
Chair: Debora Hammond

“Genes, gestation, and life experience: Environmental complexities in the age of DNA”
Peter Taylor (U. Massachusetts, Boston; peter.taylor@umb.edu)

“An Evolving Paradigm: Low Birth Weight and Chronic Diseases in Adult Life”
Paula Hodgson (Lancaster; p.hodgson@lancaster.ac.uk)

“Performing organisms, genes and environments: Helicobacter Pylori and ecologies of research in biomedicine”
João Arriscado Nunes (U. Coimbra, Portugal; arriscado@gemini.ci.uc.pt)

“Asthma and the Environment: Climate, Idiosyncrasy, and Development”
Carla Keirns (U. Pennsylvania; ckeirns@sas.upenn.edu)

Histories of Tropical American Field Science and Conservation – PART I

Organizer: Catherine A. Christen

“Homo Cubensis and Continental Affinities: The Construction of a Paleontological Scenario”
Pedro Pruna (Centro de Estudios de Historia de la Ciencia y la Tecnología, Havana, Cuba; schctpmp@ceniai.inf.cu)

Thursday, continued

“Constructing Biological Diversity: Field Biology in Costa Rica, 1898-1935”

Stuart McCook (College of New Jersey; mccook@tcnj.edu)

“STRI Science and Panama Conservation”

Catherine A. Christen (Smithsonian Institution; cchristen@hotmail.com)

In Darwin's Shadow: Evolutionists at War – PART I

Organizer: Lilian Al-Chueyr Pereira Martins

“The Structure of the Darwinian Argument in the *Origin of Species* – A Critique to Its Hypothetical-deductive Reconstructions”

Anna Carolina Krebs Pereira Regner (Universidade Federal do Rio Grande do Sul, Brazil; aregner@portoweb.com.br)

“More Than Darwin's Bull Dog: Form and Function in the Work of Thomas Huxley and Its Relevance for Modern Evolutionary Theory”

Sherrie S. Lyons (Daemen College; slyons@daemen.edu)

“George Romanes' attitude toward Darwin: the apprentice attempts to become a master”

Roberto de Andrade Martins (Universidade Estadual de Campinas, Brazil; rmartins@ifi.unicamp.br)

The Understanding of Mental Illness

Chair: Valerie Hardcastle

“Personal Identity and Mental Illness”

Owen Flanagan (Duke U.)

“Of madness and molecules: Some aspects of the genetics of schizophrenia”

Andrew Garnar (Virginia Tech; agarnar@vt.edu)

“Sinking Neurath's Boat: The Operationalism Behind Psychiatric Nosology”

Claire Pouncey (U. of Pennsylvania; pouncey@mail.med.upenn.edu)

Higher Levels of Selection and Macroevolutionary Patterns – PART I

Organizer: Elisabeth A. Lloyd

“Wynne-Edwards and the Group Selection Controversy”

Mark Borrello (Indiana U.; mborrell@indiana.edu)

“What, If Anything, Is A Bauplan?”

James Maclaurin (U. of Otago, Dunedin) and Kim Sterelny (Victoria U. of Wellington)

“Can Species Share a Common Selective Environment? A defense of species selection”

Todd Grantham (College of Charleston; granthamt@ashley.cofc.edu)

THURSDAY 11-12:30

Genes, Gestation, and Life Experiences: Perspectives on the Social Environment in the Age of DNA – PART II

Organizer: Peter Taylor

Chair: Peter Taylor

Discussion of Part I (Discussant/ discussion leader TBA)

“Dialogue and Dissent: Cultivating an Environment of Mutual Respect”

Debora Hammond (Sonoma State; Debora.Hammond@SONOMA.EDU)

Discussion of Part II (Discussant/ discussion leader TBA)

Thursday, continued

Histories of Tropical American Field Science and Conservation – PART II

Organizer: Catherine A. Christen

“The Development of the Caribbean Conservation Corporation”

Frederick R. Davis (Yale U.; Frederick.Davis@Yale.edu)

“Invading Arcadia: Women Scientists in the Field in Latin America, 1900-1950”

Pamela Henson (Smithsonian Institution; hensonp@osia.si.edu)

Commentator (tentative):

Marcos Cueto (Universidad Peruana Caetana Heredia)

In Darwin's Shadow: Evolutionists at War – PART II

Organizer: Lilian Al-Chueyr Pereira Martins

“William Bateson's *Materials for the study of variation*: an attack against Darwinism?”

Lilian Al-Chueyr Pereira Martins (Universidade Estadual de Campinas; lacpm@uol.com.br)

“In Defense of Darwinism: Vernon Kellogg's *Darwinism To-Day* and the Eclipse of Darwinism, 1900-1910”

Mark Largent (U. of Minnesota; larg007@maroon.tc.umn.edu)

“Honor to Darwin! (and Argentina): Commemorating Darwin's Death in Buenos Aires, 1882”

Jan Jarrell (UCSD; jjarrell@ucsd.edu)

Making Sense of Animal Behavior

Organizer: Greg Radick

“Taking a Stance on Behaviour: Dennett and Kant on Biological Design”

Matthew Ratcliffe (U. of Cambridge; mjr30@cam.ac.uk)

“Morganis Canon, Garneris Phonograph, and the Evolutionary Origins of Language and Reason”

Greg Radick (U. of Cambridge; gmr22@cam.ac.uk)

“Of Ants and Men”

Charlotte Sleigh (U. of Cambridge; cls26@cam.ac.uk)

“Interpretation and explanation in the study of animal behaviour”

Susanne Lijmbach (Wageningen Agricultural U.; susanne.lymbach@alg.tf.wau.nl)

Higher Levels of Selection and Macroevolutionary Patterns – PART II

Organizer: Elisabeth A. Lloyd

“Stochasticity in Macroevolution”

Roberta L. Millstein (CSU Hayward; rmillstein@csuhayward.edu)

“Allometry and Individuality at the Species and Lineage Levels”

Elisabeth A. Lloyd & S.J. Gould (Indiana U.; ealloyd@indiana.edu)

Discussion

THURSDAY 2-3:30

What is a “gene”?

Organizers: Garland Allen and David Magnus

“What's Wrong with ‘The Gene for ...?’”

Garland E. Allen (Washington U. in St. Louis; allen@biodec.wustl.edu)

“A Gene For x: a doubly ambiguous concept”

David Magnus (U. of Pennsylvania; magnus@mail.med.upenn.edu)

Thursday, continued

“What Genome? Which Genotype?”

Glenn McGee (U. of Pennsylvania; Mcgee@mail.med.upenn.edu)

“Has the ‘gene’ concept outlived its value in medical thinking?”

Eric Juengst (Case Western Reserve U.; etj2@rabbit.INS.CWRU.Edu)

Pressure Groups and Research

Organizer: Marilia Coutinho

“Integrating users’ perspectives into contraceptive R&D”

Jessika van Kammen (U. of Amsterdam, jvkammen@chem.uva.nl)

“Lobbying for the Causes of Cancer: The Case of the Atomic Veterans”

Mark Parascandola (NIH; mparascand@nih.gov)

“Prostate Cancer research and gender activism”

Marilia Coutinho and Gláucio A. D. Soares (U. of Florida and U. of Brasilia; marilia@ufl.edu)

“International Financial Institutions, Biodiversity, and Economic Development: Inherent Conflicts With Special Reference to Latin America”

James Bass (jimbass@ibm.net)

New Perspectives on Neo-Darwinism – PART I

Organizer: Lilian Al-Chueyr Pereira Martins

“The first ‘neo-darwinians’”

D. Becquemont (Universite Lille; becquemont@univ-lille3.fr)

“Dobzhansky, Mayr, and the Typological-Population Distinction”

Lisa Gannett (U. of Minnesota; ganne001@tc.umn.edu)

“Spreading the synthesis: Theodosius Dobzhansky and evolutionary genetics in Brazil”

Aldo Mellender de Ara'jo (Universidade Federal do Rio Grande do Sul, Brazil; aldomel@portoweb.com.br)

Naturalists in the Contact Zone: International Strategies

Organizer: Karin Matchett

“American Naturalists in the Foreign Field: Another Origin of American Conservation”

Gary Kroll (U. of Oklahoma; gmkroll@ou.edu)

“Ecological Surveys: A Strategy for International Conservation and Scientific Research”

Maureen McCormick (U. of Oklahoma; mmccorm@ou.edu)

“Northern Exposure: Constructing Wildlife Science in Alaska”

Juan Ilerbaig (U. of Minnesota; Juan.F.Ilerbaig-2@tc.umn.edu)

“History and Diversity Matter: Geography, Genetics, and Agriculture in Mexico and the United States”

Karin Matchett (U. of Minnesota; match001@tc.umn.edu)

Commentator: Stuart McCook (The College of New Jersey; mccook@tcnj.edu)

Innateness – PART I

Organizer: Andre Ariew

“Innateness and Konrad Lorenz”

Agnaldo Garcia (U. of São Paulo, Brazil; agarcia@usp.br)

“Innateness and the Theory of Neuronal Group Selection”

Bernard Feltz (Institut supérieur de philosophie; feltz@risp.ucl.ac.be)

“Nativism in Cognitive Science”

Richard Samuels (U. of Pennsylvania; rsamuels@nous.phil.upenn.edu)

Thursday, continued

THURSDAY 4-5:30

Perspectives on Genetics

“Mutant knowledge and the subject of genetics”

Kaushik Sunder Rajan (MIT; kaushik@mit.edu)

“From Psyche to Genes: Brain Research and Gender in the Work of Cécile and Oskar Vogt in the early 20th century”

Helga Satzinger (Technical U.-Berlin; satzciei@mailszrz.zrz.TU-Berlin.DE)

“Tobacco Mosaic Virus and the Genetic Code: A Case Study in the Epistemology of Metaphors”

Christina Brandt (Max Planck Institute for the History of Science; brandt@mpiwg-berlin.mpg.de)

Controversy, Consensus, and Closure

“How the OxPhos Controversy Ended”

Marcel Weber (U. of Hannover; weber@mbx.www.uni-hannover.de)

“Objectivity by Consensus : The Case of the Units of Selection Debate”

Neelam Sethi (Cornell U.; ns28@cornell.edu)

“Whatever happened to the DNA ‘fingerprinting’ controversy? Closure in a hybrid bio-technical-legal field”

Michael Lynch (Brunel U.; Michael.Lynch@Brunel.ac.uk)

New Perspectives on Neo-Darwinism – PART II

Organizer: Lilian Al-Chueyr Pereira Martins

“Progress and evolutionary discourse – some speeches at the High Table and in the dining room”

Daisy Lara de Oliveira (Universidade Federal do Rio Grande do Sul, Brazil; elisalp@portoweb.com.br)

“In Darwin’s Shadow: The Dawkins/Gould Dispute and the Nature of ‘Darwinism’”

Timothy Shanahan (Loyola Marymount U.; tshanaha@popmail.lmu.edu)

“Does a Naturalistic-Darwinian Research Program on Consciousness Makes Any Sense? Questions, Concepts and Perspectives”

Estela Santilli (Argentinian Society for Philosophical Analysis (SADAF) and U. of Buenos Aires; essan@cvtci.com.ar)

Modeling Organisms and Populations

“Hypothetical kinds of organisms”

Kastytis Beitas (Vilnius U.; kastytis.beitas@gf.vu.lt)

“Perils of ‘Self’ and ‘Organism’ in Immunology”

Moira Howes (U. of Western Ontario; mhowes@julian.uwo.ca)

“Modelling Population Genetics by Simulated Annealing”

Gillian Krythia Dawn Crozier (U. of Western Ontario; gkcrozie@julian.uwo.ca)

Innateness – PART II

Organizer: Andre Ariew

“Triggers”

Andre Ariew (U. of Rhode Island; ariew@uri.edu)

“What’s wrong with innateness?”

Susan Oyama (John Jay College, City U. of New York; scojj@cuny.campuscwix.net)

Discussion

Friday

FRIDAY 9-10:30

What it Means "To Be Human"? — PART I

Organizer: Jorge Martinez-Contreras

"History of Paleoanthropology Perspective"

Claudine Cohen (Centre A. Koyre, mais Ecole des Hautes Etudes en Sciences Sociales, Paris)

"Evolutionary Anthropology Perspective: Should one avoid the use of the expression 'Human Races'?"

Jean Gayon (Universite de Paris)

"Evolutionary Biology Perspective"

Raul Gutierrez-Lombardo (Library of History and Philosophy of Science, Mexico City)

Disciplinary Development of Biochemistry in the 20th Century: The Role of Intermediary Metabolism

Organizer: Rivers Singleton, Jr.

"Opening Remarks"

Rivers Singleton, Jr. (U. of Delaware; oneton@UDel.Edu)

"Franz Knoop and Fatty Acid Metabolism"

Frederic L. Holmes (Yale U.; frederic.holmes@yale.edu)

"Collaboration in the service of creative research: the network of vitamin investigators around Otto Warburg"

Petra Gentz-Werner (Berlin-Brandenburg Academy of Sciences; gentz-werner@bbaw.de)

"Severo Ochoa: Transition from Oxidative Phosphorylation to the Genetic Code"

Maria Jesus Santesmas (Instituto de Estudios Sociales Avanzados Consejo Superior de Investigaciones Cientificas Alfonso XII; mjsantesmas@iesam.csic.es)

Biology and Technology: Changes in the Field — PART I

Organizer: Chris Young

"Field Science in the Federal Government: The Bureau of Entomology and Insect Control"

Hae-Gyung Geong (U. of Wisconsin-Madison; hgeong@students.wisc.edu)

"Laboratories in the Field"

Evelyn Ono Vineberg (UCSD; eonovine@weber.ucsd.edu)

"Advancing on Wildlife: Field Technology and the Notion of Progress in Science"

Chris Young (Mount Angel Seminary; cyoung@mtangel.edu)

Disciplining Microscopic Practice — PART I

Organizer: Judy Johns Schloegel and Jutta Schickore

Chair: Lynn Nyhart

"The Use and Abuse of Chromium Acid"

Jutta Schickore (Max Planck Institute for the History of Science; schicko@mpiwg-berlin.mpg.de)

"Interpreting the Cell: The Empirical and Philosophical Justification for T. H. Huxley's Rejection of German Cell Theory"

Marsha L. Richmond (Wayne State U.; mrichmon@cl.wayne.edu)

"Knowing How to See: Microscopic Practice and the Shaping of Protozoology, 1857-1900"

Judy Johns Schloegel (Indiana U.; schloege@mpiwg-berlin.mpg.de)

Friday, continued

Perspectives on the Study of Memory by Animal Experimentation

Organizers: Larry Stern and Robert Olby

"The Reception of Extraordinary Scientific Claims: George Ungar, Scotophobia, and the Molecular Code for Memory"

Larry Stern (lsterne@ccc.edu)

"How the Media treated McConnell's Memory Transfer and the Promise of the Memory Pill, plus some echoes in Contemporary Neuroscience"

Mark Rilling

"Hyden's Biochemistry of Memory - Respectable Science?"

Robert Olby (U. of Pittsburgh; olbyr@pop.pitt.edu)

"Genes for Memory? Surely not a Replay of the 60s?"

Silvia Culp (Western Michigan)

Philosophy of Biology II

"Are there theoretical grounds for an empirical notion of evolutionary progress?"

Alirio Rosales (Universidad Central de Venezuela; arosales@sagi1.ucv.edu.ve)

"A metaphysical defense of independently indeterministic evolutionary theory"

Roger Sansom (U. of North Carolina at Chapel Hill; rsansom@email.unc.edu)

"The Causes of Cultural Evolution"

Glenn M. Sanford (Sam Houston State U.; psy_gms@shsu.edu)

"What would a Complete theory of Cultural Evolution look like?"

William Wimsatt (U. of Chicago; wwim@midway.uchicago.edu)

FRIDAY 11-12:30

What it Means "To Be Human"? — PART II

Organizer: Jorge Martinez-Contreras

"Philosophical Perspective"

Jorge Martinez Contreras (UAM-Iztapalapa)

"Paleoanthropological Perspective"

Jose Luis Vera-Cortes (INAH)

Discussion

Evolutionary Simulation Models — Discussion Session

Organizers: Michael Wheeler and Seth Bullock

Participants:

Michael Wheeler (U. of Oxford; michael.wheeler@psy.ox.ac.uk)

Seth Bullock (Max Planck Institute for Human Development; bullock@mpib-berlin.mpg.de)

Biology and Technology: Changes in the Field — PART II

Organizer: Chris Young

"How prey sampling technology can influence the study of seabird foraging behavior"

Elizabeth A. Logerwell (Southwest Fisheries Science Center; elogerwell@ucsd.edu)

"Radioisotopes: A New Technique in Ecology"

Nancy G. Slack (Russell Sage College; slackn@sage.edu)

Discussion

Friday, continued

Disciplining Microscopic Practice – PART II

Organizer: Judy Johns Schloegel and Jutta Schickore

Chair: Soraya de Chadarevian

“To Prove the Prisoner’s Lie: Microscopy in the Late Nineteenth-Century American Courtroom”

Erin McLeary (U. of Pennsylvania; emcleary@sas.upenn.edu)

“Dancing around a Laboratory Totem, or Electron Microscopes and the Postwar Rise of Molecular Biology in Geneva”

Bruno J Strasser (U. of Geneva; brunostr@uni2a.unige.ch)

“Specimen Preparation Procedure as a Model Building Process”

Todd Harris (UC Davis; trharris@ucdavis.edu)

“Go Molecular!” Consequences of the Molecularization of Biology – PART I

Organizer: Michael R. Dietrich

“In search of objectivity and the rhetoric of informational molecules”

Edna Suarez (UNAM; emsd@hp.fciencias.unam.mx)

“The evolution at the molecular level: Two paradigms in dispute”

Nancy Mravete Novelo (UNAM; miravete@netservice.com.mx)

“Protein Sequencing and Primate Systematics: G.G. Simpson Reacts to the Molecularization of Evolutionary Biology”

Jay Aronson (U. of Minnesota; aron0031@tc.umn.edu)

“Teaching Nature” – PART I

Organizer: Alexey Kuprijanov

“The cultural production of nature”

Marise Basso Amaral (Federal U. of Rio Grande do Sul; luishs@LIES.EDU.UFRGS.BR)

“Reading the Book of Nature: Narrative as a Route to Knowledge in Children’s Books About Animals”

Monique Bourque (U. of Pennsylvania; mbourque@sas.upenn.edu)

“Natural history education in Russia before 1860s. Changing attitudes towards Nature, textbooks, departments, and disciplinary development of Natural sciences”

Alexey Kuprijanov (St. Petersburg Society of Naturalists; Q@tinea.usr.pu.ru)

FRIDAY 2-3:30

The Uses of Nature

“The Grand Tour through Europe of a Curious Fish: On Baroque Sea-Monsters”

Christiane Groeben (Naples Zoological Station; groeben@alpha.szn.it)

“Astral Magic and Plant Growth in Antiquity”

Darryn Lehoux (U. of Toronto; dlehoux@chass.utoronto.ca)

“Science in the Zoo”

Sofia Åkerberg (Umeå U.; soaakg96@student.umu.se)

“Rape Hypotheses in Sociobiology: A Critical Analysis of the Critics”

Anne Wolfe (U. of Wisconsin; abwolfe@students.wisc.edu)

Friday, continued

History of Theory

Organizer: Christian Haak

“‘Normal’ Animals: Early mathematizations of applied zoology, 1870-1900 in German

Sarah Jansen (Max-Planck-Institute for the History of Science; jansen@mpiwg-berlin.mpg.de)

“Variance in ecology”

Kim Cuddington (U. of Guelph; kcudding@uoguelph.ca)

“The history of ‘r’”

Christian Haak (Dalhousie U.; zweg@is2.dal.ca)

“The Gene Concept and the Logical Structure of Genetics”

Joao Carlos M. Magalhaes (Federal U. of Paran; jcmm@bio.ufpr.br)

Unto Others: A Panel Discussion

Organizer: Michael Bradie and Marga Vicedo

(mbradie@bgnet.bgsu.edu)

Participants:

Elliott Sober (ersoer@facstaff.wisc.edu)

Michael Ghiselin (mghiselin@casmil.calacademy.org)

Ayelet Shavit (ashavit@kfar-giladi.org.il)

Elizabeth Lloyd (ealloyd@indiana.edu)

Species and Natural Kinds

“Competing Research Traditions and the Speciation Question”

Anya Plutynski (U. of Pennsylvania; plutynsk@sas.upenn.edu)

“Species as a historical problem of perception”

Atilano Contreras-Ramos. (UNAM; atilano@ibunam.ibiologia.unam.mx)

“The Nature of Natural Kinds”

Ina Roy (U. of South Carolina; icroy000@garnet.cla.sc.edu)

“Go Molecular!” Consequences of the Molecularization of Biology – PART II

Organizer: Michael R. Dietrich

“Understanding ‘Molecularization’: Changes in Theory and Experimentation in Mouse Aggression Studies”

David Pedersen (U. of Minnesota; pede0165@tc.umn.edu)

“Selling Molecularization: The Electrophoretic Revolution at Harvard and Berkeley”

Michael R. Dietrich (Dartmouth College; Michael.Dietrich@Dartmouth.edu)

Discussion

“Teaching Nature” – PART II

Organizer: Alexey Kuprijanov

“The Eugenics Movement and College Textbooks on Mendelian Genetics in Britain and the United States, 1900-1922”

Mark Russell (Virginia Tech; mrussell@vt.edu)

“What leaving beings serve for? A discourse about utility”

Luis Henrique Sacchi and Marise Basso Amaral (Federal U. of Rio Grande do Sul; luishs@LIES.EDU.UFRGS.BR)

Discussion

Friday, continued; Saturday

FRIDAY 4-5:30

Presidential Plenary Session

SATURDAY 9-10:30

From Embryology to Developmental Biology: Shaping the Embryo – PART I

Organizers: Denis Thieffry and Richard Burian (rmburian@vt.edu)

“Making the modern fetal body: Human embryology in the Carnegie Institution’s Department of Embryology, 1913-1944”
Lynn Morgan (Mt. Holyoke College; lmmorgan@mtholyoke.edu)

“The field concept of ‘Entwicklungsmechanik’: Alexander G. Gurwitsch and Paul A. Weiss”
Sabine Brauckmann (U. of Muenster; brauckm@uni-muenster.de) & John M. Opitz (U. of Utah School of Medicine)

“Standards of Development: A History of the Normal Table”
Nick Hopwood (U. of Cambridge; ndh12@cam.ac.uk)

Forging Professional Identities in Victorian Life Science

Organizer: Richard Bellon

“‘It is the Gold I Want’: Professionalization and Patronage in mid-Victorian Natural History”
Richard Bellon (U. of Washington; rbellon@u.washington.edu)

“Sir Francis Galton and the survival of the ‘gentlemanly specialist’ in late Victorian Britain”
John Waller (U. College London; J.Waller@ucl.ac.uk)

“Amateurs and Academics: The Construction of Professional Biology in Late-Victorian Yorkshire”
Sam Alberti (U. of Leeds; phlsa@arts-01.novell.leeds.ac.uk)

History of Biology in the 20th Century

“Joseph Needham and R. A. Fisher: Two Christian perspectives on the Wider Implications of Biology”
Peter Bowler (Queen’s U. of Belfast; pbowler@clio.arts.qub.ac.uk)

“Biochemical Cycles: Harland Goff Wood and Propionic Acid Metabolism”
Rivers Singleton, Jr. (U. of Delaware; oneton@UDel.Edu)

“Microbiology’s Moment, 1940-1955”
Susan Spath (UC Davis; spath@ohst7.berkeley.edu)

“A Short History of the Triune Brain”
C.U.M.Smith (Aston U.; c.u.m.smith@aston.ac.uk)

The Metaphysics of Evolving Science – PART I

Organizer and Chair: Dawn Ogden

“Campbell’s Metaphysical Framework”
Michael Bradie (Bowling Green State U.; mbradie@bgsu.edu)

“Darwinian Explanations for the Instrumental Success of Theories”
Richard DeWitt (Fairfield U.; rdewitt@fair1.fairfield.edu)

“The Units of Conceptual Selection”
David Hull (Northwestern U.; d-hull@nwu.edu)

Cognitive Neuroscience

Chair: Owen Flanagan

“Is Attention a Natural Kind: A Neurobiological Analysis”
Valerie Hardcastle (Virginia Tech; val@vt.edu)

Saturday, continued

“Limbic connectivities with parieto-frontal cortex: A model system for developing a computational neuroscience of sequential cognitive processes?”
John Bickle, Marica Bernstein, and Samantha Stiehl (East Carolina U.)

“Delusions of Misidentification: the Role of Affect in Perceptual Recognition”
Karen de Perthuis & Philip Gerrans (U. of Sydney; kperthui@mail.usyd.edu.au)

“The Implications of the Neurobiological Approach for Decision Making in Economics”
Salvatore Rizzello (U. of Turin; salvatore.rizzello@unito.it)

Political Dictatorship in Science and Influence of Lysenkoism on Genetic Research in the Middle of the 20th Century

Organizer: Valery Soyfer

“Communists’ Monopoly in Science in the USSR: The Tragedy of Soviet Biology in the Middle of the Twentieth Century”
Valery N. Soyfer and Nina I. Soyfer (George Mason U.; vnsoyfer@osf1.gmu.edu)

“Old Bolshevik Olga Lepeshinskaya and Her ‘New Cellular Theory’”
Leonid I. Korochkin (Russian Academy of Sciences)

“The Consequences of the 1948 Session of Vaskhnil for Evolutionary Theory”
Iakov Gall (The Institute of History of Natural Sciences, St. Petersburg)

SATURDAY 11-12:30

From Embryology to Developmental Biology: Shaping the Embryo – PART II

Organizers: Denis Thieffry And Richard Burian

“Ephestia: The Experimental Design of Alfred Kühn’s Physiological Developmental Genetics”
Hans-Jörg Rheinberger (Max Planck Institute for the History of Science; rheinbg@mpiwg-berlin.mpg.de)

“Embryology and Evolution from 1900 to 1960: Worlds Apart?”
Ron Amundson (U. of Hawaii at Hilo; ronald@hawaii.edu)

“Changing Paradigms in Neural Induction”
Scott Gilbert (Swarthmore College; sgilber1@cc.swarthmore.edu)

The Science and Politics of Progress in the Life Sciences, 1789-1939

Organizer: Harmke Kamminga

“Making Progress in the Sciences in the French Revolution”
Andrew Cunningham (U. of Cambridge; arc7@hermes.cam.ac.uk)

“Science as Social progress: German Physiologies and 1848 Radicalisms”
Harmke Kamminga (U. of Cambridge; hk109@cam.ac.uk)

“Peace and Progress: The Social Significance of Science and the Internationalist Movement in the Interwar Period”
Geert J. Somsen (U. of Maastricht; g.somsen@history.unimaas.nl)

Cathedrals of Science: Natural History Museums [in memory of the late Susan Sheets-Peyenson]

Organizer: Mary P. Winsor

Saturday, continued

“Room for Research? Constructing the Stockholm Natural History Museum, 1901-1916”

Jenny Beckman (Royal Institute of Technology, Stockholm; jenny@tekhist.kth.se)

“Visualizing Biology: Ecology and Heimat in Natural History Displays in Germany, 1871-1914”

Susanne Koestering (Technische Universität Berlin; sukotggb@calvados.zrz.TU-Berlin.DE)

“The museum setting and the environmental perspective”

Lynn K. Nyhart (U. of Wisconsin; lnyhart@macc.wisc.edu)

Commentator:

Sally Gregory Kohlstedt (Univ. of Minnesota; kohlsted@mailbox.mail.umn.edu)

The Metaphysics of Evolving Science – PART II

Organizer: Dawn Ogden

“The Organization of Knowing: Autonomy, Evolution and Evolutionary Epistemology”

C.A. Hooker and W.D. Christensen (U. of Newcastle; plcah@cc.newcastle.edu.au, plwdc@cc.newcastle.edu.au)

“Two different approaches of Evolutionary epistemology, Popper’s and Hull’s: an analysis from the synthetic theory of evolution”

Rosaura Ruiz (UNAM; rosaura@servidor.unam.mx)

Discussion

Evolutionary Psychology – PART I

Chair: Robert C. Richardson

“The Evolution of Evidentialism”

Christopher Stephens (U. of Wisconsin-Madison; clstephe@students.wisc.edu)

“Do minds speed up evolution?”

Stephen M. Downes (U. of Utah)

“Adaptive History and the Objectivity of Norms”

William Harms (U. of British Columbia; bharms@interchange.ubc.ca)

Consequences of Racial and Eugenic Thinking

“How ‘caucasoids’ got such big crania and why they shrank: changing hierarchies of race, brain size and intelligence from Morton to Rushton”

Leonard Lieberman (Central Michigan; leonard.lieberman@cmich.edu)

“Race and Ethnicity in Colonial Mexico”

Aaron Althouse (U. of Tennessee, Chattanooga; Aaron.Althouse@utc.edu)

“Sterilization and social control in California”

Alicia Villela (UNAM; ejeh@hp.fciencias.unam.mx)

“French Race Theory and its Military Applications: The Debate over ‘la force noire,’ 1910-1912”

Joe H. Lunn (Univ. of Michigan-Dearborn; joelunn@umich.edu)

Saturday, continued

SATURDAY 2-3:30

From Genes to Cells: Differentiation and Development – PART I

Organizers: Denis Thieffry and Richard Burian

“Mapping development or how molecular is molecular biology?”

Soraya de Chadarevian (U. of Cambridge; sd10016@hermes.cam.ac.uk)

“To Describe Development in Terms of Genes and Cells”

Charles Galperin (Charles de Gaulle U., Lille)

“François Jacob’s lab in the seventies: The T-complex and the mouse developmental genetic program”

Michel Morange (Ecole normale supérieure, Paris; morange@wotan.ens.fr)

Modeling the Whole of Life

Part 1: Perspectives on Theoretical Biology

Organizers: Werner Callebaut and Veronika Hofer

“Ludwig von Bertalanffy’s Systems Theory of Life”

Veronika Hofer (Konrad Lorenz Institut fuer Evolutions- und Kognitionsforschung; Veronika.Hofer@eunet.at)

Commentator: Werner Callebaut

“What Theoretical Biology Should (Not) Be”

Werner Callebaut (Konrad Lorenz Institut fuer Evolutions- und Kognitionsforschung; werner@kla.univie.ac.at)

Commentator: Diego Rasskin-Gutman

“Modeling Form Today”

Diego Rasskin-Gutman and Gerd B. Müller

(Konrad Lorenz Institut fuer Evolutions- und Kognitionsforschung; diego.rasskin@kla.univie.ac.at)

Commentator: Gunther Eble

Institutionalization and Disciplinarity in Biology

“The Institutionalization of Helminthology in Mexico (1929-1974)”

Irma García Altamirano, Graciela Zamudio Varela and Gerardo Pérez Ponce de León (UNAM; igarcia@mail.ibiologia.unam.mx)

“La investigación básica en ciencias biológicas: una caracterización disciplinaria”

Enrique Martínez (Universidad de la República; enriquemartinez@altavista.net)

“Climates for Interdisciplinarity”

Jill Lazenby (U. of Toronto; jlazenby@chass.utoronto.ca)

The Mechanisms of Evolving Science – PART I

Organizer: Dawn Ogden (dawnvo@interchange.ubc.ca)

“The Evolutionary Ecology of Science”

Marion Blute (U. of Toronto at Mississauga; marion.blute@utoronto.ca)

“Selection at Two Levels in the Evolution of Science”

Sigrid Glenn (U. of North Texas; glenn@scs.cmm.unt.edu)

“Science Evolving? A Case Study from Radio Astronomy”

Michelle Little (Northwestern U.; mich-little@nwu.edu)

Evolutionary Psychology – PART II

Chair: Robert C. Richardson

“Evolution and Malfunctions”

Paul Sheldon Davies (College of William and Mary)

Saturday, continued

"From Sociobiology to Evolutionary Psychology: Scientific Advance or Deja Vu?"

Val Dusek (U. of NH)

"Psychology and Human Origins Research"

Linnda R. Caporael (Rensselaer Polytechnic Institute; caporl@rpi.edu)

Ethics and Norms In Biology — PART I

"Normative undertakings and biology"

Cor van der Weele (Utrecht U.; cvdweele@theo.uu.nl)

"Patent Pending? Genetically Engineered Organisms and Intellectual Property Law"

Jack Wilson (Northwestern U.; j-wilson8@nwu.edu)

"Population Rights?"

Jennifer E. Reardon (Cornell U.; jer7@cornell.edu)

SATURDAY 4-5:30

From Genes to Cells: Differentiation and Development — PART II

Organizers: Denis Thieffry and Richard Burian

"Are the Eyes Homologous?"

Jeremy Ahouse (Millennium Predictive Medicine; ahouse@mpi.com) and Georg Halder (U. of Basel and U. of Wisconsin; ghalder@facstaff.wisc.edu)

"Hopeful monsters revisited: Modules as units of development and evolution"

Gerhard Schlosser (Hanse-Wissenschaftskolleg; gschloss@uni-bremen.de)

"Interfacing individual genes and development: feedback circuits and regulatory networks"

Denis Thieffry (U. of Gent & Free U. of Brussels; denis@dbm.ulb.ac.be)

Modeling the Whole of Life

Part 2: Situated Activity and Constructive Interaction

Organizers: Karola Stotz and Werner Callebaut

"An interactive-constructivist account of life and mind"

Karola Stotz (U. of Sydney; k.stotz@scifac.usyd.edu.au)

Commentator: Mark H. Bickhard

OAXACA 1999: PRE-MEETING WORKSHOP

Teaching HPSSB & Biology: Oaxaca, Wednesday, July 7.

Additional participants are welcome in a pre-conference workshop on teaching HPSSB & Biology being arranged by the ISHPSSB Education Committee. The goal is for participants to learn from each others' efforts enlivening science education, science popularization, and citizen activism by placing developments in science and technology in their social context. Participants will take turns to lead discussion around a paper, syllabus, or lesson plan and/or to lead the other participants in activities derived from or adaptable to classrooms and other contexts. This latter format comes from

Saturday, continued

"The Ontological Emergence of Representation in Autonomous Agents"

Mark H. Bickhard (Lehigh U.; mark.bickhard@lehigh.edu)

Commentator: Wayne D. Christensen

Panel Discussion

Settings for Scientific Research

"Socialization of Scientists Under Adverse Conditions: A Case Study in Mexico"

Larissa Adler Lomnitz (IIMAS- UNAM; larissa@servidor.unam.mx)

"The Plight of the Obscure Innovator in Science"

Moti Nissani (Wayne State U.; mnissani@csl.wayne.edu)

"El rol de la investigacion biologica en el sistema de investigacion basica en Uruguay"

Adriana Chiancone (Inst. Vzlanode Inv.Cien; achianco@mail.montevideo.com.uy)

The Mechanisms of Evolving Science — PART II

Organizer: Dawn Ogden

"Comparative Study of the Reception of Sociobiology: Migration, Dispersal, and Phylogenetic Constraint in Evolution of Science"

Osamu Sakura (Yokohama National U.; sakura@tan.business.ynu.ac.jp, osamu.sakura@nifty.ne.jp)

"Evolving Science: Toward an Integration of the Mechanism and Metaphysics"

Dawn Ogden (U. of British Columbia; dawnvo@interchange.ubc.ca)

Discussion

Ethics and Norms on Biology — PART II

"On the Use of 'Ecology' as a Foundation for a 'Global Environmental Ethic'"

Tyler Veak (Virginia Tech; tveak@vt.edu)

"Think Locally Act Globally: Locating the Marsh-Billings National Historical Park"

Mark Madison (National Conservation Training Center; mark_madison@fws.gov)

"The Pitfalls of Scientific 'Ecomessianism'"

Wyatt James Galusky (Virginia Tech; wgalusky@vt.edu)

the International Society for Exploring Teaching Alternatives (<http://www.asu.edu/upfd/www/iseta>). One example of an ISETA session proposal can be viewed at <http://omega.cc.umb.edu/~ptaylor/iseta98.html>, but quite different approaches are expected according to the subject material.

To join the workshop, which will start in the morning of Wednesday, July 7. and may overlap with some of the first afternoon's sessions, contact peter.taylor@umb.edu. A provisional listing of participants and topics is available; for updates see: <http://omega.cc.umb.edu/~ptaylor/ishpssbed.html> •

MEMBERSHIP AND RENEWAL INFORMATION

To join ISHPSSB or renew your membership contact Society Treasurer David Magnus or fill out the form on the Society's Website:

<http://www.phil.vt.edu/ISHPSSB/member.html>

Existing members need to renew if the mailing label on the most recent newsletter has 1997 or earlier on the top line. If you think the information in the membership files is out of date (e-mail addresses seem especially volatile), please provide the new information to the society treasurer/membership secretary.

Graduate students qualify for a reduced membership fee — only US \$ 10 for two years. Emeritus members pay no fee. Otherwise a regular membership is US \$ 35 for two years.

All checks must be in US \$; payment by Visa/Mastercard is

welcome. Credit card payments can be sent electronically. (As far as we understand this is relatively safe — as safe as the postal service, maybe safer — since everything is automatically encrypted.) Receipts for payment will be sent out, but to reduce administrative costs, this will be done only if requested. If paying by credit card, your monthly credit card statement should serve as your receipt. •

FALL 1999 NEWSLETTER

Bring your camera to Oaxaca and share the memories in the ISHPSSB Newsletter. The next issue of the Newsletter will be published in Fall 1999. **Deadline: October 1, 1999.** Announcements, news of interest to the society, and photos of professional events are welcome. Please send submissions (preferably via e-mail) to the editor, Chris Young, cyoung@mtangel.edu •

SOCIETY ADDRESSES

Elisabeth Lloyd
ISHPSSB President 1997-99
History & Philosophy of Science Department
Biology Department
Indiana University
Bloomington, IN 47405 USA
e-mail: ealloyd@indiana.edu

Peter J. Taylor
Past-President 1997-99
Program on Critical and Creative Thinking
Graduate College of Education
University of Massachusetts, Boston
100 Morrissey Blvd., Boston, MA 02125 USA
Phone: (617) 287-6520
Fax: (617) 287-7664
e-mail: peter.taylor@umb.edu

Richard Burian
President-Elect 1997-99
Department of Philosophy
Virginia Tech
Blacksburg, VA 24061-0126 USA
Phone: (540) 231-6760
e-mail: rmburian@vt.edu

Michael Dietrich
Program Chair, 1999 Meetings
Department of Biology
Dartmouth College
Hanover, NH 03755 USA
e-mail: Michael.Dietrich@Dartmouth.edu

Ana Barahona
Local Arrangements Chair, 1999 Meeting
Zapate # 6 - 9
Col. Miguel Hidalgo
Tlalpan 14410
Mexico
e-mail: abe@hp.fciencias.unam.mx

David Magnus
Treasurer and Membership Secretary
University of Pennsylvania Center for Bioethics
3401 Market Street, Room 320
Philadelphia, PA 19104 USA
Phone: (215) 898-7136
e-mail: magnus@mail.med.upenn.edu

Peggy Stewart
Secretary
3900 Glengarry Drive
Austin, TX 78731 USA
e-mail: pegstew@ibm.net

Karin Matchett
Student Representative
History of Science and Technology
435 Walter Library
University of Minnesota
Minneapolis, MN 55455 USA
e-mail: match001@tc.umn.edu

Chris Young
Newsletter Editor
History, Science, and Culture
Mt. Angel Seminary
St. Benedict, OR 97373 USA
Phone: (503) 845-3557
Fax: (503) 845-3126
e-mail: cyoung@mtangel.edu

ISHPSSB WWW Site
<http://www.phil.vt.edu/ISHPSSB/>

ISHPSSB Listserv
Listserv Address: LISTSERV@TC.UMN.EDU (Use this address only to subscribe yourself to the list.)
List Address: ISHPSB-L@TC.UMN.EDU (Use this address to send mail to list members.)