Vienna Welcomes ISHPSSB

Werner Callebaut and Astrid Jütte

Some useful local navigation tips from your local hosts

Arriving at the airport
Most of you will fly in on Wednesday, July 16. A local arrangements person, carrying a clearly visible “ISHPSSB” sign, will be present at the airport meeting point (beyond Customs) from 9 a.m. until 7 p.m., to assist incoming participants. Maps of Vienna as well as Vienna week cards (see below) will be available from this person.

Airport - City transportation
There are two cheap and convenient ways to enter the city from Vienna International Airport: by train and by bus. Both services are frequent, reliable, comfortable, and quick (approximately 20 minutes). There is little point in using a taxi service: you will gain only a few minutes at best, and it will be much more expensive.

Train: There is a new “Schnellbahn” connection that currently runs approximately every half an hour (possibly every 15 minutes by July), taking you directly to WIEN MITTE station, where you can continue to your hotel or to the conference.

Welcome continued on page 3.

Book Your Hotel in Vienna Today

Ten hotels -- from 1 to 5 stars -- located around the conference location, provide reserved rooms for ISHPSSB participants. More information is available online by following the link from the ISHPSSB website or by contacting the agent, Mr. Bernhard Schloegel, who is assisting our local arrangements chairs. To get the discount, book your reservation through Mr. Schloegel rather than with the hotels directly. In the hotel list on the next page, you will find prices along with the latest dates to book for this price.

Continued on next page.

The “Narrenturm” and one of its inhabitants.
Use the form below or register using an online form. See the ISHPSSB website for details.

Mr. Bernhard Schloegel of EuroCongress Conference Management will handle your hotel reservations. Please indicate “ISHPSSB 2003” in your request. Please also indicate special demands (air condition, wheelchair accessibility, etc.). email: bernhard.schloegel@eurocongress.org. Phone: +43-1-867 49 44-26. Fax: +43-1-867 49 44 9

ISHPSSB MEETING 2003
INTERNATIONAL SOCIETY FOR THE HISTORY, PHILOSOPHY AND SOCIAL STUDIES OF BIOLOGY
July 16 – 20, 2003
Vienna, Austria

ISHPSSB ACCOMMODATION FORM

You will find this form online by following the links from the ISHPSSB website. Register online or send or fax this form. Please use one form to reserve one room. You may photocopy this form to reserve additional rooms. Reservation forms must be returned to EuroCongress, best by end of March. All reservation requests are subject to space availability.

Name of Hotel Guest:______________________________________________________________________________________
Last First Middle Initial
Address: _______________________________________________________________________________________________
City: _____________________________________State: _________Country: ______________________ Zip: _______________
Phone: ____________________________ Fax: _____________________________ e-mail: _____________________________
Please note any Special Accommodations required: ______________________________________________________________

1st Choice Hotel  ____________________________________________

2nd Choice Hotel ___________________________________________

Preferred Room Type [] Single Arrival Date: ________________________________
[] Double for Single Use
[] Twin (2 people) Departure Date: ________________________________

Please list below if an additional person will be accompanying you and staying in the same room:
Roommate: _______________________________________________________________________________________

All rooms must be guaranteed by a valid credit-card. Reservations without valid credit-card details will not be processed. Please indicate type of card being used:

[ ] VISA  [ ] Master Card  [ ] American Express
No other credit-cards for guarantee will be accepted.

Card #: ___________________________________________________ Expiration Date:___________________________

Card Holder’s Name: _____________________________ Card Holder’s Signature:_____________________________________

Please return completed Accommodation Form as soon as possible, to Bernhard Schloegel at:
EuroCongress VeranstaltungsGmbH
Mariahilfer Strasse 133/2/6
A-1150 Wien, Austria
Phone: 0043-1-867-49 44 26, Fax: 0043-1-867-49 44 9,
Email: office@eurocongress.org
Welcome, continued from page 1

reception desk by taxi or public transportation (see below). Once you have passed through Customs, look for the train logo and take the elevator down to the train platform level. Tickets can be purchased there. The fare is EUR 2.91; if you wish to continue your travel beyond WIEN MITTE by public transportation, add EUR 1.53. The train schedule is available at http://english.viennaairport.com/pdf/bahn.pdf. At WIEN MITTE train station, you can conveniently board subway trains (U3, Orange Line; U4, Green Line); the subway station there is called LANDSTRASSE.

Bus: A shuttle bus, which runs every 20 minutes, connects the airport and the CITY AIR TERMINAL (schedule at http://english.viennaairport.com/pdf/bus1.pdf). Once you have passed through Customs, you will see several boards announcing bus departure times. The fare, which includes three pieces of luggage, is EUR 5.80 for a single ride (one way) and EUR 10.90 for a roundtrip. Tickets can be purchased either from a vending machine at the bus stop or on the bus. From the CITY AIR TERMINAL you can take a taxi to your hotel or, if you prefer to use the “Öffis” (public transport system), you can walk to the subway station LANDSTRASSE, which is only one block away. There is another shuttle that connects the airport, SÜDBAHNHOF, and WESTBAHNHOF. It operates every 30 minutes and the trip to WESTBAHNHOF takes about 35 minutes. The fare is the same as above. Some of the hotels may be quicker to reach from WESTBAHNHOF than from WIEN MITTE/LANDSTRASSE. We advise you to check where in Vienna your hotel is located before deciding which bus to take.

Vienna week card

Most of you will want to use the excellent public transportation during your stay in Vienna. A “Wochenkarte” (week card), valid from Monday until the following Monday, 9 a.m., costs only EUR 12.50. It allows you to use all subways, trams (streetcars), and buses (including night lines), and S-trains (“Schnellbahn”) in the large “Zone 100” area. We strongly recommend you to buy such a card (see registration form). Week cards can be picked up on Wednesday, either from our local arrangements person at the airport or at the reception desk at the conference site.

Conference registration

The Vienna University Campus (if you ask the Viennese for directions, refer to it as “Altes AKH”) is within walking distance from many hotels where participants will be staying as well as from subway lines U2 (Purple Line, SCHOTTENTOR stop) and U6 (Brown Line, ALSERSTRASSE stop). It can be reached directly by tram 5 along Spitalgasse, by trams 43 and 44 along ALSERSTRASSE, and by bus 13A from SÜDBAHNHOF (see map on page 4).

Conference registration will be in the AULA. On Wednesday, the conference registration desk will be open from 2 until 10 p.m.

Evening events

On Wednesday afternoon and evening most people will want to stay on campus to meet old and make new friends. A number of tables have been held for us at a beer garden near the AULA. Vouchers for a limited number of complimentary drinks offered by our host, the KLI, will be handed out to participants when they register. The beer gardens on the campus quads also serve a variety of food (at participants’ own expenses).

On Thursday evening, 8 p.m., there will be a reception at Town Hall, offered by Michael Häupl, the Mayor of Vienna, who is also a biologist. Town Hall is within walking distance from campus. Alternatively, you can take trams 43 or 44 to SCHOTTENTOR (end stop) and change...
Welcome, continued from page 3

to trams 2 or D (direction SÜDBAHNHOF) there.

A number of parallel activities are planned for Friday night. Two groups of thirty people each can register for a guided tour of the NATURAL HISTORY MUSEUM <http://www.nhm-wien.ac.at/d/engvorschau.html> which starts at 7 p.m. The museum is located on Burgring (trams 2 and D from SCHOTTENTOR). Two groups of twenty attendees can participate in a guided tour of the NARRENTURM on Spitalgasse, which houses the FEDERAL PATHOLOGIC-ANATOMICAL MUSEUM. These tours also start at 7 p.m.; Spitalgasse is adjacent to the university campus.

Twenty conference attendees can participate in a guided night tour of the SCHÖNBRUNN ZOO <http://www.zoovienna.at/old/e_index.html>, which starts at 10 p.m. The zoo can conveniently be reached from campus by subway: U6 (station ALSERSTRASSE) to LANGENFELDGASSE, then U4 to Schönbrunn. As this newsletter goes into print, the local organizers are still working on other plans for Friday night as well. Please check the ISHPSSB website for updates. Detailed information will be available at the ISH03 registration desk, where participants can register on a first come first serve basis.

A visit of Vienna would be incomplete without a night of wining and dining (hopefully followed by singing) at a “Heurigen” wine garden restaurant. Saturday night will be the night! The

Heurigen we selected, SCHÜBEL-AUER (Kahlenbergerstrasse 22, 1190 Wien) can be easily reached by tram D (direction NUSSDORF), for instance, from SCHOTTENTOR: it is located next to the D line’s end stop.

Post-conference tours

Post-conference tours have been planned to the Konrad Lorenz Institute for Evolution and Cognition Research (KLI) in Altenberg near Vienna on Sunday afternoon <http://www.kli.ac.at>, to the idyllic Konrad Lorenz Research Station in Grünau on Sunday and Monday <http://www.univie.ac.at/zoology/nbs/ gruenau/>, and to the Mendelianum in Brno, Czech Republic, on Tuesday.

Participants are kindly but firmly asked to register for post-conference tours as soon as possible (see http://www.kli.ac.at/stuff/ishpssb/information.html#tour). The local organizers cannot guarantee that late bookings will still be receivable.

Visit the Society website for the latest on meeting updates:

www.phil.vt.edu/ishpssb/
Use the Enclosed Ballot to Vote for Candidates

Read the brief biographies below to familiarize yourself with the nominees.

Return the Enclosed ballot by June 13 to Dick Burian at the address on the back side of the card.

Instruction on the Presidential Vote:
Following previous ISHPSSB precedent, we will use a preferential voting system in the presidential election. This system should ensure that the winning candidate has majority support. Voters will designate their first and (if they so choose) second and third choices for president. If, after the first preferences are tallied, no candidate has 50 percent or more of the votes, the ballots of the candidate with the lowest total will be reallocated to the second-preferred candidate on the reallocated ballots. In a three-person race, such as we now have, this procedure should yield a majority vote for the winning candidate.

For President-Elect (vote for one):

Garland E. Allen is Professor of Biology at Washington University in St. Louis, a position he has held since 1967. In addition to teaching introductory courses for majors and pre-meds, and occasionally for non-majors, he also teaches courses on the Darwinian Revolution, the Scientific Revolution, heredity and modern society (eugenics), and a graduate seminar on Darwin, Marx and Wagner. His main research interests have centered around the history of genetics, evolution, and development in the late nineteenth and twentieth centuries. He is currently co-editor of the Journal of the History of Biology, and has served on numerous committees for HSS. He is currently a member of the Education Committee of ISHPSSB.

Philip J. Pauly is a professor of history at Rutgers University and teaches in the graduate program in history of technology, environment, and health. His current project is on horticultural improvement, plant introduction, and pest exclusion in North America during the last 250 years. His most recent book, Biologists and the Promise of American Life, appeared in 2000. He has also written about the history of experimental biology, alcohol research, psychology, and science popularization. He has served on the councils of ISHPSSB and the History of Science Society, and have been an associate editor of the Journal of the History of Biology.

Polly (Mary Pickard) Winsor has been on the faculty of the Institute for the History and Philosophy of Science and Technology at the University of Toronto since 1969; she served as its director for 6 years. Although she is an historian, she has published one paper in Biology and Philosophy and a second will be in the next issue. She is a past president of the Canadian Society for the History and Philosophy of Science. She took part in ISHPSSB meetings in Brandeis, London (Ontario), Leuven, and Oaxaca, and has organized a session for Vienna.

For Council (vote for three):

Joe Cain is Lecturer in History and Philosophy of Biology at University College London with research interests in 20th century evolutionary studies, especially the synthesis period. Bibliographic details are: <http://www.ucl.ac.uk/sts/cain/>. Recent examples are: “Co-opting colleagues: appropriating Dobzhansky’s 1936 lectures at Columbia,” (2002) and “A matter of perspective: multiple readings of George Gaylord Simpson’s Tempo and mode in evolution,” (2003). Recent collaborative projects include a study of Julian Huxley’s period as Secretary of the Zoological Society of London and an analysis of assessment techniques in history of science undergraduate courses. Joe also is associate editor of Archives of Natural History and serves as an officer in the Society for the History of Natural History. Joe joined the ISHPSSB at its start and served as its first (he thinks) Student Representative. Joe comments: “I like the scale and range of services provided in the ISHPSSB. I also like its international, collaborative, and interdisciplinary spirits. It occupies a special niche within our combined specialties.”

Nathaniel Comfort is in the history department at The George Washington University, where he teaches the history of science and serves as deputy director of the Center for History of Recent Science. In 2002-2003, he has been a visiting professor in the Institute of the History of Medicine at the Johns Hopkins Medical Institutions. His research is on twentieth-century biomedicine, especially genetics and molecular biology. In 2001, he published The Tangled Field, a biographical study of the geneticist Barbara McClintock, with Harvard’s press. He has published in scholarly journals such as the Journal of the History of Biology and Science, and in popular venues such as Natural History and the New York Times Book Review. Currently, he is working on the history of human genetics. When he mounts his soapbox, it is usually to address some combination of genetic determinism, the need for scholars to communicate more effectively with the public, graduate education, and the value of history of science outside the ivied walls and hallowed halls of academe.

Kathy J. Cooke had just been promoted to Professor of History at Quinnipiac University. Her research is organized around themes “breeding” and “race improvement” in the history of the United States. Specifically, Kathy studies agricultural breeding and the impact of genetic technology and theory as well as specific efforts to “breed” better people through the American eugenics movement. She has published articles in Isis, the Journal of the History of Biology, Endeavour, Mount Sinai Journal of Medicine, and Agricultural History. In her current

Continued on next page.
book project she is assessing late nineteenth and early twentieth century ideas about human breeding and “race improvement” in the progressive era, using the life and thought of Edwin Grant Conklin as the unifying thread for various aspects of Progressive reform.

Karin Matchett is a postdoctoral associate in the History of Science and Medicine at Yale University. She is currently at work on a book based on her dissertation on the history of agricultural science and corn improvement in Mexico and the United States, and is author of “Debates sobre el Método de Maíz Híbrido en Estados Unidos y su Traducción en México,” forthcoming in Ciencias Agrícolas y Cultura Científica en América Latina. She also researches issues in the history of intellectual property rights and the life sciences, and is leading a travel seminar to Mexico in January 2004 that will focus on the international political, scientific, and cultural issues surrounding agriculture and corn cultivation. During 1997-1999, she was the graduate student representative on the ISHPSSB Executive Council. Currently, she is on the Executive Committee of the Earth and Environment Forum of the History of Science Society.

Jason Scott Robert is an Assistant Professor and Canadian Institutes of Health Research (CIHR) New Investigator in the Department of Philosophy at Dalhousie University, Halifax, Canada. His research focuses primarily on developmental biology, especially in relation to evolution, genetics, ethics, and the etiology of complex disease. He was recently admitted as an investigator to the Stem Cell Network (a member of the Networks of Centres of Excellence), but most of his research funding is from the CIHR Institute of Genetics, and is a local coordinator for the Voluntary Health Organizations Working Group of the CIHR Institute of Genetics. Publications include Embryology, Epigenesis, and Evolution: Taking Development Seriously (forthcoming from Cambridge University Press), as well as articles in such journals as Biology & Philosophy, Evolution & Development, BioEssays, Bioethics, and Theoretical Medicine & Bioethics. He serves on the Membership Development Committee of ISHPSSB, the Voluntary Health Organizations Working Group of the CIHR Institute of Genetics, and is a local coordinator for the 2003 meeting of the Canadian Philosophical Association.

Phillip Sloan is Professor in the Program in History and Philosophy of Science and Chair of the Program of Liberal Studies at the University of Notre Dame. Originally trained in biological oceanography with work on deep-sea biology, he has specialized in the history and philosophy of the life sciences. His research area is the history and philosophy of the life sciences in the modern period. He is the co-author of From Natural History to the History of Nature: Readings from Buffon and His Critics (with John Lyon) (1981), and the author of Richard Owen’s Hunterian Lectures: May-June 1837 (1992). Most recently he edited and contributed to the volume Controlling Our Destinies: Historical, Philosophical, Ethical, and Theological Perspectives on the Human Genome Project (2000). Recent articles and chapters include: “A Sense of Sublimity: Darwin on Nature and Divinity” (2001); “Preforming the Categories: Kant, Categories, and 18th C. Generation Theory” (2002); “Reflections on the Species Problem: What Marjorie Grene Can Teach Us About a Perennial Problem” (2003). He is the President Elect for Section L (History and Philosophy of Science) of the AAAS.

For Program Chair (vote for one):

Lynn K. Nyhart is an associate professor and outgoing chair of the Department of the History of Science at the University of Wisconsin-Madison. Following her first book, Biology Takes Form: Animal Morphology and the German Universities, 1800-1900 (Chicago, 1995), she is now completing a book on civic zoology in Germany at the end of the nineteenth century, which examines the ecological and geographically oriented approaches to nature and science developed in German schools, zoos, and museums. She has served on the ISHPSSB nominating committee (1989-1991) and program committee (1997-1999), and served as program co-chair for the History of Science Society annual meeting in 2000. She writes, “I have been coming to ISHPSSB meetings since they began, and it remains the most intellectually stimulating meeting I regularly attend. I look forward to helping maintain and even increase the fruitful interdisciplinary exchange characteristic of this group’s biennial meetings.”

For Treasurer (vote for one):

Keith R. Benson is Program Officer for Science and Technology Studies at the National Science Foundation (Washington, DC). Before, he served as Professor in the Program in History and Philosophy of Science at the University of Washington, where he taught courses in the history of the life sciences. He is co-editor of The Development of American Biology and The American Expansion of Biology, edited the recent translation of Jacques Roger’s classic book, The Life Sciences in Eighteenth-century France, and is co-editor of a work on the history of modern oceanography. He has written extensively on the history of American biology, particularly examining the early development of biology at Johns Hopkins University and the history of marine biology institutions on the east coast and west coast of the United States. He recently completed a six-year term as Executive Secretary of the History of Science Society and is currently Treasurer of ISHPSSB. In addition, he enjoys an active speaking schedule, especially addressing the social application of biology and the use of history of science in science teaching. He lives on Vashon Island in Puget Sound (Washington state) and in Washington (DC).

For Secretary (vote for one):

Chris Young is Assistant Professor in the Department of Biology at Alverno College, a liberal arts college for women in Milwaukee, Wisconsin. He teaches introductory science courses for non-science majors, an environmental studies Continued on next page.
Lindley’s Vienna

“Ah, Vienna, City of Dreams!
There’s no place like Vienna!”

Madman in Robert Musil’s
The Man Without Qualities
Quoted in Janik and Toulmin (1973)
Wittgenstein’s Vienna, p. 33

Vienna is a grand city with its elegant Baroque buildings, an asymmetric Gothic cathedral, convenient trams, and—my favorite—musical cafes with delicious chocolate, whipped cream, and coffee. I visited Vienna in July 2002, after attending a workshop at the elegant Konrad Lorenz family home, a tour of which is one of the after conference tour options for ISH03. It is in Altenberg, about half an hour outside of Vienna, along the banks of the Danube. The Konrad Lorenz Institute for Evolution and Cognition Research, ISH03 local hosts, are located there.

Conference site: The ISH03 meeting will be held in a section of the University of Vienna in the city, just outside the inner ring road. This section of the University (unlike some of the older buildings) is like a college campus, with linked courtyards, trees, grass, benches. This complex used to be a hospital; some signs still carry its old name: “Altes AKH.” However, it has been refurbished into an attractive series of older and newer buildings with one of the courtyards containing a small supermarket/deli and several beer garden restaurants—something not found on U.S. campuses! The whole complex is enclosed inside a wall, with occasional entrances; an easy way to get in is via Spital Gasse or Alser Strasse (see map). It will be a pleasant place to have sessions, meet with friends, have something to eat and drink. The Wednesday evening reception will take place at one of the beer garden restaurants in the courtyard, with the registration room nearby.

Hotels: Ideally, you have by now already booked your hotel, as indicated on the ISH email list in March. Vienna is a busy tourist city. Otherwise, don’t delay. There is a link on the ISH web page to the agent who is handling booking, as well as links to websites of hotels near the conference site. In July 2002, I booked an Austrian Airlines vacation package that included airfare direct from Washington, DC Dulles airport to Vienna and three days hotel. The hotel was not very close to the conference site, but any hotel near a subway will mean you can get to the conference room nearby.

Weather: I was in Vienna for two weeks, at the same time of year as the ISH03 meeting will be. The weather was extremely hot for about three days and I wished I had brought more shorts with me. If heat really bothers you, then look for one of the few air conditioned hotels (e.g., the Hilton). A small battery-powered fan was very useful. It rained a couple of days, so a raincoat and umbrella are good to have. Otherwise, it was delightful (70s F; 20s C), perfect for sitting outside.

Getting around: You’ll want a card that allows unlimited travel on trams and the subway. Indicate on the registration form if you want to purchase one to pick up at the airport on Wednesday or at the registration desk, as our local hosts have kindly made this an option. Once one learns what number of tram to take, listed on some city maps, one can get around easily. A good way to see the city is to take Tram 1 or 2 that go around in opposite directions on the “Ring” that was built where the oldest city wall stood. I had no problems walking alone at night in the neighborhood of the university. Many places didn’t accept credit cards. I needed more euros that I expected and had to pay a high exchange rate one weekend at an exchange office near St. Stephens Cathedral. I’ll change more at a bank on my next visit.

Continued on next page.
Eating and drinking: To continue my theme, my favorite thing to do in Vienna is to sit in a cafe, drinking and eating something with whipped cream, reading the *Herald Tribune*, listening to a piano, and watching people go by. Two especially nice spots: the Cafe Weimar (Währinger Strasse 68) near the conference site and the Cafe Schwarzenberg on the Ring. Somewhat surprisingly, if a basket of rolls is provided, you are charged for the number that you eat. Guidebooks list some more famous cafes that I didn’t have time to visit. While I was there, chanterelle mushrooms were in season. They are yellow and funnel shaped and delicious in a cream sauce or an omelet. Several of us had a delightful evening, visiting the wine garden restaurant where the Saturday evening banquet will be. Instead of suburbs, Vienna is surrounded by vineyards, so we took a tram out to the edge of the city to the “Heurigen.” That is a place that sells the light new white wine produced the previous year, along with plenty of hearty food, in a garden setting at long tables. The wine went down all too easily! I’m eagerly anticipating our banquet there.

Trips: Several after conference tours are being planned, so that participants can continue discussions while enjoying nearby sites. Please indicate your interest on the registration form. One trip will be to the Konrad Lorenz home in Altenberg, with its pleasant gardens. Another is a overnight mountain trip to the Konrad Lorenz Research Station in the mountains at Grünau. I’ve never been and I plan to take this tour. The third is a trip to Brno to the Mendel Museum. I took the train there from Vienna (about 4 hours away), but if enough people are interested a bus tour is planned. Some citizens need visas to visit the Czech Republic, but as a U. S. citizen I didn’t (but Canadians do; see the ISH web page for visa information). The monastery has a large statue of Mendel, the site of his garden and a small museum that houses such items as Mendel’s copy of Darwin’s *Origin*. Walking the streets of the old medieval city and visiting a second Mendel exhibit in the museum in the main square was a pleasant way to spend the afternoon.

Other things to consider doing on one’s own: a trip to Salzburg, with all its Mozart sites (I’ve been there and it is well worth a visit) or a trip on the Danube to Budapest (I’ve never been but I’d like to).

See you in Vienna!
After a flurry of activity I’ve managed to go through all of the proposals for ISHPSSB 2003 in Vienna. A preliminary program has been sketched, including scheduled sessions with papers and titles, but without special events like receptions (see the article “Welcome to Vienna” for more details on these). The preliminary program is subject to minor changes, but is worth looking at to get a flavor of what you’ll see at the conference — and there is certainly a lot to see. The preliminary program is available at http://www.phil.vt.edu/ishpssb. The full program, abstracts, special events, and all, will be posted on May 1. Participants and, well, everybody, should register by June 15, and book hotels, in most cases, by the end of April (see the first page of this Newsletter for more details on hotels).

You’ll especially like the Presidential Plenary our President Lindley Darden has organized, laying the land for where history, philosophy, and social studies of biology are and where they’re going. You’ll also like the Evening Plenary, a tribute to Stephen J. Gould, which Betty Smocovitis has organized. See you in Vienna, July 16-20.

Rob Skipper, ISH03 Program Chair

The program begins on Wednesday, July 16 with a workshop on education (see below) and continues through Sunday, July 20. Participants are also encouraged to stay and participate in tours that will occupy Sunday, Monday, and Tuesday.

Contd on next page.

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**ISHPSSB Pre-Conference Workshop**

“‘Biology and Society’ Programs: Preparing Students for Biology in Social Context”

<table>
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<th>Wednesday, July 16, 2003</th>
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<tbody>
<tr>
<td>9:00 am - 3:00 pm</td>
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<tr>
<td>University of Vienna</td>
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<tr>
<td>(Room location to be announced)</td>
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In a variety of critical, global issues, including environmental quality, agriculture, health care, biotechnology, and international relations, the biological sciences are interwoven with social, economic, and political concerns. Traditional undergraduate biology programs fail to critically address the social contexts of science; and degrees in the history, philosophy, or social studies of biology may not support adequate understandings of biology subject matter. Are ‘biology and society’ programs a promising way to prepare further policy-makers, educators, biologists, and citizens to understand and constructively influence the complex issues of biology in social context? To explore this question, the ISHPSSB Education Committee will sponsor a pre-conference workshop on Wednesday, July 16, 2003 from 9:00 am - 3:00 pm, at the University of Vienna conference site. (A general reception opens the conference later that evening, and regular conference sessions begin the next day.)

In this interactive workshop, participants will examine ways to conceive of goals, course topics, and instructional approaches in biology and society programs. We will begin with an instructional perspective: What kinds of learning activities help students develop skills and understandings needed to investigate the intersections of biology and society? Workshop participants, in the role of students, will work together on activities used by biology and society programs to encourage students to analyze biology in social context. A discussion that includes sharing of teaching experiences and strategies will follow these activities. In the afternoon, we will turn to the broader issues of program goals and design. What can biology and society programs accomplish that existing approaches in biology, history, philosophy, and social studies of science fail to do? How can biology and society programs engage traditional disciplines, while also exceeding them? What should a biology and society curriculum look like? What does it take to start a program?

To guide and enrich our discussions, representatives from biology and society programs will describe their approaches, not as models to be duplicated, but as enticements to creative thinking. Workshop presenters include Jane Maienschein, Jim Collins, and Manfred Laubichler, from the Biology and Society Program in the Biology Department at Arizona State University (see: <http://lsvl.la.asu.edu/biosoc/>).

The workshop is free, but space is limited. Please contact Steve Fifield (fifield@udel.edu), Chair of the ISHPSSB Education Committee, if you plan to attend. The location of the workshop on the University of Vienna campus will be announced soon.
Wednesday, July 16

9-3 PM
Teaching Workshop

Thursday, July 17

9-10:30 AM
Presidential Plenary

History, Philosophy, and Social Studies of Biology: Where Are We and Were Are We Going?
Opening Remarks, Lindley Darden, ISHPSSB 2001-2003 President, U of Maryland, USA
The Double Face of Janus: Bringing Together History of Medicine and History of Biology, Bernardino Fantini, Editor of History and Philosophy of the Life Sciences, Geneva Medical School, Switzerland
History of Biology Today, Jane Maienschein, Co-editor of Journal of the History of Biology, Arizona State U, USA
Philosophy of Biology Tomorrow, Peter Godfrey-Smith, Associate Editor of Biology and Philosophy, Stanford U, USA
Social Studies of Biology Today, Michael Lynch, Editor, Social Studies of Science, Cornell U, USA
History of the Life Sciences at the Max Planck Institute for the History of Science, Hans-Jörg Rheinberger, Director, Max Planck Institute for the History of Science, Germany
Evo-Devo at the Konrad Lorenz Institute, Gerd B. Müller, U of Vienna, Chairman, Konrad Lorenz Institute for Evolution and Cognition Research, Austria
Where Do We Go Now? Themes in the ISH03 Program, Rob Skipper, ISHPSSB 2003 Program Chair, U of Cincinnati, USA

11-12:30 PM
SESSION I
Interpreting Evolutionary Theory, Organizer: Thomas Kane
TBA, Rob Skipper, U of Cincinnati, USA
TBA, Thomas Kane, U of Cincinnati, USA
TBA, Robert C. Richardson, U of Cincinnati, USA

SESSION II
Biologists in Policy-Making, Organizer: Heather Douglas
How Can Biologists Contribute to Public Policy? Carl Crano, U of California, Riverside, USA
Ecological Indicators: Science and Policy Intertwined in the Classification and Evaluation of Nature, Esther Turnhout, Alterra Natuurplanbureau, The Netherlands
Biological and Disease Causation, Douglas L. Weed, National Cancer Institute, USA

SESSION III
Biological Information, Contributed Papers
Information Theory and Immunology, Andrea Grignolio
The ‘Arbitrariness’ of the Genetic Code, Ulrich Steggman, King’s College, London, UK
Semiotic Models, the Design of Molecular Structures, and the Function of DNA, Ulrich Krohs, U of Hamburg, Germany

SESSION IV
Reconfiguring Knowledge: Intersections Between Physiology and Philosophy in the last Quarter of the Nineteenth Century, Organizer: Francesca Bordogna
Physiological Reconfigurations of Mind and Knowledge: Hermann von Helmholtz, Ernst Mach on the Unity of Knowledge, Edward Jurkowitz, U of Illinois, Chicago, USA
Psychology Between Philosophy and Physiology: Demarcation and Discipline Formation in Late Nineteenth Century France, Daniela Barberis, U of Chicago, USA
The Disputed Boundaries: William James, Philosophy, and the Naturalistic ‘Science of Man,’ Francesca Bordogna, Northwestern U, USA

SESSION V
Biology and Gender, Organizer: Smilla Ebeling
The Gendered Brain, Sigrid Schmitz, U of Freiburg, Germany
The Gendered Genes? Baerbel Mauss, Humboldt U, Berlin, Germany
Biological Theories about Sex and Reproduction as Mirror of Ideas of Human Sex and Gender Issues, Smilla Ebeling, U of Oldenburg, Switzerland

SESSION VI
Zoos in Central Europe, Organizer: Mitchell Ash
A Venue of Social Pleasures: The Establishment of the Zoological Garden of Frankfurt am Main, Ayako Sakurai, Cambridge U, UK
The Nature of the City: Zoos as Spaces of Urban Culture, Christina Wessely, U of Vienna, Austria
Between Education and Environment: The Public Shoenbrunn Menagerie in the 19th and Early 20th Century, Oliver Hochadel, U of Vienna, Austria

SESSION VII
Making Sense of Interlevel Causation, Organizer: Carl F. Craver
Explaining (Away) Interlevel Causes I: A Field Guide to Levels, Carl Craver, Washington U of St. Louis, USA
Explaining (Away) Interlevel Causes II: Mechanically Mediated Effects, Bill Bechtle, U of California, San Diego, USA
Top-Down Causation and Mechanistic Explanation, Gregory Mikkelsen, McGill U, Canada
Realization, Mechanism, and Cause, Thomas W. Polger, U of Cincinnati, USA

SESSION VIII
Fifty Years of the Molecular Biology of Behavior, Organizer: C.U.M. Smith
DNA and the Origins of a Molecular Neuroscience, C.U.M. Smith, Aston U, UK
Neurodevelopmental Complexities in Worms and Flies: Strategies for Representation and Explanation, Kenneth F. Schaffner, George Washington U, USA
Neurobiology and a Renaissance in Psychoanalysis? A. E. Manier, U of Notre Dame, USA

Continued on next page.
President’s Report, continued from page 8

Coutinho, Ron Rainger, Eli Gerson, Jane Camerini, and Jane Maienschein. The committee prepared a slate and issued a call for any additional nominations on the ISH email list. The final slate is included here. Thanks to the committee and to all who have agreed to run for office. Please cast your vote for ISH 2003-2005 officers and new council members. Your ballot is to be mailed to Dick Burian, as indicated.

Mike Dietrich, Chair, and the Operations Committee drafted a time-line for ISH activities of the Council and officers. This time-line will help to preserve institutional memory and aid those newly elected in the future.

ISHPSSB is grateful to Jay Malone, the Executive Director of the History of Science Society, and George Gale, the Executive Secretary of the Philosophy of Science Association, for arranging with John Perhonis of the National Science Foundation, for some travel funds for U.S. graduate students who will be presenting papers at the ISH03 Vienna meeting. Thanks to Bruce Seely for suggesting to me that I contact them about this possibility. Both U.S. and non-U.S. students should apply for travel funds to Keith Benson, the ISH Treasurer, who will forward appropriate applications to Jay Malone. Nonetheless, funds are limited and travel for those not living near Vienna is quite expensive. Please contribute to the ISH travel fund.

The Site Selection Committee for ISH07 (Mike Dietrich, Chair, Jane Maienschein, and Jessica Pfeifer) solicited invitations and worked with Exeter University to produce an excellent proposal that has been approved by the Council. So, think about travel plans to England in 2007.

David Castle has finalized the dates for ISH05: July 13-17, 2005, Guelph, Ontario, Canada. Mark your calendars.

Members with items for the agenda of the Council or business meetings in Vienna should send them to me no later than June 1.

See you in Vienna.

SESSION IX
Role of Representations in Biology, Contributed Papers
Natural History as a Social Phenomenon: Illustrations of Naturalists (1700-2000), Robert Hendrick, St. John’s U, USA
The Biologist as Artist: The Botanical Illustrations of Agnes Arber, Maura C. Flannery, St. John’s U, USA
Pictorial Evidence in Biology, Laura Perini, Virginia Tech U, USA
Satellite-DNA Revisited: A Tale of Scientific Representation, Edna Suarez, UNAM, Mexico

SESSION X
History of Genetics: Mendel, Bateson, Dobzhansky, Contributed Papers
Mendel Finds a Home: Disciplinary Momentum in the American Reception of Mendel, 1900-1910, Barbara Kimmelman, Philadelphia U, USA
Did Bateson Reject the Mendelian Chromosome Theory? Lilian Al-Chuey Pereira Martins
The Role Played by Theodosius Dobzhansky in the Emergence and Institutionalization of Genetics in Mexico, Ana Barahona and Francisco Ayala, UNAM, Mexico

2-3:30 PM
SESSION I
Experiments in Experimentalism I, Organizer: Sander Gliboff
Paul Kammerer and the Vivarium, Sander Gliboff, Indiana U, USA
The Inheritance of Acquired Sexual Diversity: The Steinach-Kammerer Collaboration, Cheryl Logan, U of North Carolina, Greensboro, USA
Experimental Ecology in Soil Science: The Reception of Sergei Vinogradski’s “Direct Method,” 1920s-1930s, Lloyd Ackert, Johns Hopkins U, USA

SESSION II
History and Philosophy of Neuroscience, Contributed Papers
The Units of Neural Selectionism, Anthony Landreth, U of Cincinnati, USA
Rat Pups and Robots, Jeff Schank, U of California, Davis, USA
Dynamics in Laterality Research, Ruth A. Byrne and Michael Kuba, KLI, Austria
On the Uses of Strychnine: J.G. Dusser de Barenne and Cerebral Localization, 1916-1940, Tara Abraham, Max Planck Institute for the History of Science, Germany

SESSION III
A Cultural History of Heredity I, Organizers: Staffan Müller-Wille and Hans Jörg Rheinberger
Elements of Hybridism 1759-1875, Staffan Müller-Wille, Max Planck Institute for the History of Science, Germany
Heredity and Adaptation in Kant, Peter McLaughlin, Max Planck Institute for the History of Science, Germany
Contagion and Diseases as Causes, Laure Cartron, U of Paris I – Sorbonne, France
French and British Conceptions of Hereditary Transmission in the 19th Century: The Conflicts Between Galton and Ribot, and Galton and de Candolle, Carlos Lopez Beltran, UNAM, Mexico

Continued on next page.
SESSION IV
Picturing Eggs, Embryos, and Embryology I: Eggs and Embryos in Situ, Organizer: Sabine Brauckmann
The First Drawings of the Human Egg, Erki Tammiksaar, Baer Museum, Tartu
What Made Haeckel’s Drawings of Eggs Controversial? Nick Hopwood, Cambridge U, UK
The Political Embryo: Representing the Human Embryo at 6-7 Weeks, Scott F. Gilbert, Swarthmore College, USA
Commentary, Helga Satzinger, Technical U of Berlin, Germany

SESSION V
Complexity: What is it Good For? I, Organizer: Lien Van Speybroeck
Complexity Science to Understand Living Organisms: Kant and Beyond, Lien Van Speybroeck and Gertrudis Van de Vijver, Ghent U, Belgium
What is Life? Is Complexity the Answer? Michel Morange, Ecole Normale Superieure, France
Irreducible Complexity in Biology, John Collier, U of Natal, South Africa

SESSION VI
Konrad Lorenz and Company, Organizer: Richard W. Burkhardt, Jr.
Konrad Lorenz as a Student of Karl Bühler, Veronika Hofer, U of Vienna, Austria
“Howling with the Wolf Pack”: Konrad Lorenz and National Socialism Revisited, Benedikt Föger and Klaus Taschwer, U of Vienna, Austria
Konrad Lorenz and Niko Tinbergen: Complementarities and Conflicts Between the Co-founders of Ethology, Richard W. Burkhardt, Jr., U of Illinois, Urbana-Champaign, USA

SESSION VII
Genetics and Policy-making, Organizer: Heather Douglas
Public Health Genomics, Ted Everson, U of Toronto, Canada
From Recombinant DNA to Stem Cells: Genetics, Cultural Authority, and Public Policy, John S. Emrich, George Washington U, USA
Human Molecular Genetics: Two Different Approaches, Adelaida Ambrogi, Universitat de les Illes Balears, Spain

SESSION VIII
The Extended Phenotype Revisited I, Organizers: Kim Sterelny and Matteo Mameli
The Implications of Niche Construction for Evolution, Kevin N. Laland, U of St. Andrews, Scotland
The Implications of Niche Construction for Ecology, John Odling-Smee, U of Oxford, UK
Extended Genotypes, Extended Phenotypes and the Nature of Inheritance, Matteo Mameli, London School of Economics, UK

SESSION IX
Biological Modeling I, Contributed Papers
Tradeoffs in Biological Model Building, Michael Weisberg, U of Pennsylvania, USA
Understanding the Usefulness of Biological Models, Sabina Leonelli, Vrije Universiteit Amsterdam, The Netherlands

SESSION X
History of 20th Century Biology, Contributed Papers
Wright’s Shifting Balances, Jonathan Hodge, U of Leeds, UK
From Autarky to Eugenics: The Rex Rabbit as a Mirror of the Healthy Nation: The Emergence of Pathologic Objects and the Beginnings of Comparing Medical Genetics in Germany Around 1930, Alexander v. Schwerin
Emile Zuckerkandl: His Early Life and the Molecular Clock Hypothesis, Tomoko Steen, Library of Congress, USA

4-5:30 PM
SESSION I
Experiments in Experimentalism II, Organizer: Sander Gilboff
The Biologist’s Sommerfrische: Science at an Alpine Summer Home, Deborah Coen, Harvard U, USA
Experimentation without Limits: Herbert Spencer Jennings and Pragmatism at the Zoological Laboratory of Johns Hopkins, Judy Johns Schloegel, Indiana U, USA

SESSION II
Contingency and Explanation, Organizer: Stuart Glennan
Robustness and Idealizations in Ecological Explanations, Jay Odenbaugh, U of California, San Diego, USA
Generative Entrenchment, William C. Wimsatt, U of Chicago, USA
Mechanisms and Contingency, Stuart Glennan, Butler U, USA

SESSION III
A Cultural History of Heredity II, Organizer: Staffan Müller-Wille
Genealogical Tools and the Notion of Heredity: The Development and Use of Family Trees in the Case of Hereditary Chorea, Yoshio Nukaga, Max Plank Institute for the History of Science, Germany
Producing Vaccines, Producing Variation: Agronomy, Race and Empire in the Science of Micro-organisms, Andrew Mendelsohn, Imperial College, UK
Color, Artifice, and Seeing the Physical Basis of Heredity, Nancy Anderson, Max Planck Institute for the History of Science, Germany
Commentary, Hans-Jörg Rheinberger, Max Planck Institute for the History of Science, Germany

SESSION IV
Picturing Eggs, Embryos, and Embryology II: Cells and Tissues in Motion, Organizer: Sabine Brauckmann
The Plant Embryo and the History of its Terminology, Hans Werner Ingeniespi, Medical U of Lübeck, Germany
Egg Membranes as Media: Visualizing Influenza Virus on the Developing Chick Embryo, 1935-40, Michael Bresalier, Cambridge U, UK
On the Dynamics of Contact and Motion, Sabine Brauckmann, U of Utah School of Medicine, USA and KLI, and Austria

On Middle-Range Theories, Pablo Lorenzana, Universidad Nacional de Quilmes, Argentina
The Evolution of Germ and Soma: An Evaluation of the Models, Grant Yamashita, U of California, Davis, USA
SESSION V
Complexity: What is it Good For? II, Organizer: Lien Van Speybroeck
Increase in Complexity, Eörs Szathmary, Collegium Budapest, Hungary
Complexity and Fragility, Michael Susko, Independent Scholar, USA
Some Explorations on Species as Complex Systems, Thomas Reydon, Leiden U, The Netherlands

SESSION VI
Conceptual Issues in Paleobiology, Organizer: Todd Grantham
Biomechanical Laws in Paleontology, Derek Turner, Connecticut College, USA
Null and Neutral Models in Paleobiology, John Huss, Reed College, USA
The Diversity of Questions About Biodiversity: Theoretical Pluralism and its Limits, Todd Grantham, College of Charleston, USA

SESSION VII
Women in Early Genetics, Organizer: Ida H. Stamhuis
Muriel Wheldale Onslow and Biochemical Genetics, Marsha Richmond, Wayne State U, USA
Beyond the “Boss and the Boys,” Michael Dietrich, Dartmouth College, USA
Women in Early Genetics in Russia, Elena A. Aronova, Institute for History of Science and Technology, Russian Academy of Sciences, Russia
Successful Women in Genetics, Ida Stamhuis, Vrije Universiteit Amsterdam, The Netherlands

SESSION VIII
The Extended Phenotype Revisited I, Organizer: Kim Sterelny and Matteo Mameli
Extended Phenotypes, Extended Organisms: A Physiological Perspective on Evolution, Natural Selection and Adaptation, J. Scott Turner, SUNY College of Environmental Science and Forestry, USA
Embodied Cognition and the Extended Phenotype, Kim Sterelny, Australian National U, Australia

SESSION IX
Biological Modeling II, Contributed Papers
Biological and Cultural Evolution, Mark Bedau, Reed College, USA
Biological Possibilities, Jason Zinser, Florida State U, USA
The Good, The Bad, and The Impossible, James Maclaurin, U of Otago, New Zealand

SESSION X
History and Philosophy of Anthropology, Contributed Papers
Montagu and Boaz on The Concept of Race, Koffi Maglo, Dibner Institute, MIT and U of Cincinnati, USA
French Race Theory and the Parisian Society of Anthropology: The Debate over ‘La Force noire’, 1909-1912, Joe Lunn, U of Michigan, Dearborne, USA
Rudolf Virchow: Darwinism, Anthropology and Heredity in the Second Half of the 19th Century, Dirk Backenköhler, U of Tübingen, Germany

9-10:30 AM
FRIDAY, JULY 18
SESSION I
Radiobiology in the Atomic Age, Organizer: Angela N. H. Creager, Chair: Hans Jörg Rheinberger, Max Planck Institute for the History of Science, Germany
Mice and the Reactor: The ‘Genetics Project’ and Atomic Politics in 1950s Britain, Soraya de Chaderavian, Cambridge U, UK
Alexander Hollaender’s Vision of Radiobiology at Oak Ridge and Beyond, Karen Rader, Sarah Lawrence College, USA
Nuclear Policy and Biomedical Experimentation in Spain: The Introduction of Radioisotopes, Maria Jesús Santesmases, Consejo Superior de Investigaciones Científicas

SESSION II
Evolution and Development I, Contributed Papers
The Influence of Development in Evolution: The View of Pere Alberch, Tomás Garcia-Azkonobieta and Arantza Etxeberria, U of the Basque Country, Spain
A View to a Failure? Part-Based and Kind-Based Science in Evolutionary Developmental Biology, Rasmus Winther, Indiana U, USA
Holism in Biological Development, Jesse Love Hendrikse, U of Calgary, Canada
Genetic Causality and the Organism, Pieter Lemmens, U of Lijmegen, The Netherlands

SESSION III
Philosophy of Cognitive Science I, Contributed Papers
Objectivity Applied to Subjectivity: A Sequel to the Cognitive Revolution, Andrzej Elzanowski, U of Wroclaw, Poland
The Miscued Mind: Psychopathology and the Neglected Role of Developmental Cues, Brian Garvey, Trinity College, Ireland
Folk Psychology and the Theory of Mind Module, Matthew Ratcliffe, U of Durham, UK

SESSION IV
Modes of Research in Biology, Organizer: Eli Gerson
Between Philosophy and Experiment, Manfred D. Laubichler, Arizona State U, USA
Alternative Modes of Biological Research, Elihu M. Gerson, Tremont Research Institute, USA
Theoretical Biology at the Beginning of the 21st Century, Peter Hammerstein, Humboldt U, Germany
SESSION V
Animal Communication, Organizer: Georgina Hoptroff and Tania Munz
Carpenter’s Tools Revised: Gibbon Vocalizations, Recording Equipment, and the Conception of Primate Communication as a “Homeostatic” Feedback System, Georgina Hoptroff, U of Minnesota, USA
The Primate Playback Experiment, Gregory Radick, U of Leeds, UK
Dancing Bees and Bickering Scientists: Karl von Frisch’s Work on Bee Communication and the Dance Language Controversy, Tania Munz, Princeton U, USA
Commentary, Robert J. Richards, U of Chicago, USA

SESSION VI
Metaphor and Communication I, Organizer: Brendon Larson
The War on Invasive Species, Brendon Larson, U of California, Santa Barbara, USA
Variability and Biodiversity, Elena Gagliasso, U of Roma, Italy
On the Use of the ‘Good Genes’ Metaphor, Viorel Paslaru, U of Cincinnati, USA

SESSION VII
Genes, Genomes, and Genetic Elements I: Conceptualizing New Developments in Molecular Genetics, Organizer: Karola Stotz, Chair: Paul E. Griffiths, U of Pittsburgh, USA
Representing Genes: Testing Competing Philosophical Analyses of the Gene Concept in Contemporary Molecular Biology, Karola Stotz, U of Pittsburgh, USA
When Conceptual Analysis is No Longer Protected From the Methodology of Social Science, C. Kenneth Waters, U of Minnesota, USA
Pleiotropy and Environment, Richard M. Burian, Virginia Tech U, USA
Commentary, Kenneth F. Schaffner, George Washington U, USA

SESSION VIII
Functions and Teleological Explanation I, Contributed Papers
Functional Properties and Causal Relevance, Mark Couch, Columbia U, USA
Teleological Explanation: Shaping Contingency into Scientific Practices, Sergio F. Martinez, UNAM, Mexico
Adaptation as Selection-based Teleology: Darwin’s Response to Gray on “Bringing Teleology Back” to Biology, Scott Thomson, Virginia Tech U, USA

SESSION IX
Biological and Ethics/Epistemology I, Contributed Papers
Normative Turn of Evolutionary Ethics: The Invisible Evolutionary Ethics? Tomislav Braconovic, U of Zagreb, Croatia
Evolution and Moral Realism, Kevin Brosnan, U of Wisconsin, USA
Does the Fact of Human Evolution Undermine the Facts of Morality? John Mizzoni, Neumann College, USA
The History of Evolutionary Ethics, Fritz Alhoff, U of California, Santa Barbara, USA

SESSION I
Karl Pearson, Ronald Fisher, and the Statistical Roots of Biology, Organizer: Nancy S. Hall
The Development of Pearsonian Statistics vis-à-vis Biological Populations of Species, Eileen Magnello, U College London, UK
Ronald Fisher and the Development of Statistics for Biological Research, Nancy S. Hall, U of Maryland and U of Delaware, USA
Commentary, Peter J. Bowler, Queen’s U, UK

SESSION II
Evolution and Development II, Contributed Papers
The Problem of Innovation and Novelty, Alan C. Love, Indiana U and U of Pittsburgh, USA
Toward a Philosophy of Evo-Devo, Werner Callebaut, KLI, Austria and Limburgs Universitair, Belgium
Why Developmental Biology Outsmarted the DST, Vivette Garcia-Deister, UNAM, Mexico
The Primacy of Genes in Development, Sang Wook Yi, Hanyang U, South Korea

SESSION III
Philosophy of Cognitive Science II, Contributed Papers
Mozart Effect: Can Creativity be Enhanced? Felix T. Hong, Wayne State U, USA
Baldwin Again and Again, Barbara Continenza, U of Rome, Italy
I Play, Therefore What Am I? Michael Kuba, KLI, Austria

SESSION IV
Endangered Species, Threatened Paradigms: A Fresh Look at the Recovery of Vanishing Wildlife, Organizer: Mark V. Barrow, Jr., Chair: Matt Chew, Arizona State U, USA
A Passion of Peregrines: Captive Breeding of Endangered Falcons in the USA, Helen Macdonald, Cambridge U, UK
“Dragons in Distress”: Annals of the American Alligator, Mark V. Barrow, Jr., Virginia Tech U, USA
Condortroversy: An Unnatural History of the California Condor, Mark Madison, U.S. Fisher and Wildlife Service, USA

SESSION V
Recent Work on Pluralism and the Levels of Selection, Organizer: Rob Wilson
The ‘Averaging Fallacy’ and the Levels of Selection, Samir Okasha, U of York, UK
Collections or Collectives? Perspectives, Parameterization and Pluralism in the Levels of Selection Debate, Ben Kerr, U of Minnestota, USA
Pluralism, Entwinement, and the Levels of Selection, Rob Wilson, U of Alberta, Canada

SESSION VI
Metaphor and Communication II, Organizer: Brendon Larson
Metaphors and the Dynamics of Knowledge: “Genetic Code” and “Information” in German Molecular Biology During the 1950s and 1960s, Christina Brandt, Zentrum fuer Literaturforschung, Germany
Anthropomorphism in Cladograms, Hanno Sandvik, U of Tromsø
Natural Selection in Cosmology, Zachary Myers, U of Maryland, USA
SESSION VII
Genes, Genomes, and Genetic Elements II: Evolutionary Implications of New Developments in Molecular Genetics, Organizer and Chair: Karola Stotz, U of Pittsburgh, USA
The Evolutionary Significance of Alternative Splicing, Stephen M. Downes, U of Utah, USA
“The Gene is Dead, Long Live the Genome,” or Isn’t It? Raphael Falk, The Hebrew U, Israel
Commentary, Lenny Moss, U of Notre Dame, USA

SESSION VIII
Functions and Teleological Explanation II, Contributed Papers
Function and Accidental Doubles, Yuichi Amitani
Modules as Mechanisms, Stefan Linquist, Duke U, USA
Revisiting Bohr and Delbruck, Daniel J. McKaughan

SESSION IX
Biology and Ethics/Epistemology I, Contributed Papers
Sociobiological Imperialism and the State of Epistemology and Ethics, Michael Bradie, Bowling Green State U, USA
The Normative Demand in Evolutionary Epistemology, Paola Hernández Cháves

SESSION X
History, Philosophy, and Social Studies of 18th-19th Century Biology I, Contributed Papers
The Behemoth of the Pampas, Irina Podgorny, CONICET, Argentina and Fernando Ramirez, CNRS, France
The French Death of Species, Mauro Capocci
Science or Poetry: Vernacular Plant Names and Education in Sweden c. 1900, Jenny Beckman, Uppsala U, Sweden
The Dutch Debate on the Doctrine of Bacteriology, 1875-1900, A. de Knecht-van Eekelen
Knowledge and Innovation in an Agricultural Context: Commercial Plant Breeding in Germany in the Second Half of the 19th Century, Thomas Weiland, Munich Centre for the History of Science, Technology, and Medicine, Germany

2-3:30 PM
SESSION I
Biology and Anthropology I, Organizer: Mathias Gutmann
Technique as the Form of Human Action: Humans as Self-developing and Self-conceptualizing Entities, Mathias Gutmann, U of Marburg, Germany
Early Hominids as Tool-users, Christine Hertler, Goethe U, Germany, and Friedemann Schrenk, Senckberg Institute, Germany
What is a “Human Being?” Eva M. Neumann-Held, U of Marburg, Germany

SESSION II
The Mutual Shaping of Science and Science Education I: Classroom Perspectives and Practices, Organizer: Steve Fifield
Eugenics On-line Archive as an Educational Research Tool, Garland E. Allen, Harvard U, USA
ISHKABIBBLE in Teaching “Molecular and Cell Biology,” Muriel Lederman, Virginia Tech U, USA
Teaching Climate Change Theory From the Point of View of Biological Education: An Interdisciplinary Approach, Marcia Cristina Espineira Dias, Cidade Universitária, Rio de Janeiro
Instructor’s Practices In, and Attitudes Towards, Teaching Ethics in the Genetics Classroom, Jinnie Garrett and Joan Booth, Hamilton College, USA

SESSION III
Visual Zoology on Wall Charts, Organizer: Helmut Zacharias
Leukart’s Zoological Wall Charts Recovered at Pavia U, Ernesto Capanna, Roma U La Sapienza, Italy
Contributors from Vienna to Leukart’s Zoological Wall Charts, Helmut Zacharias, Pavia U, Italy

SESSION IV
Biology, Biotechnology and Policy, Organizer: David Castle
Adoption and Governance of Biotechnology in Democracies, Keith Culver, U of New Brunswick, Canada
Bioremediation and the Ecology of Fakes, David Castle, U of Guelph, Canada
The Object in Risk Assessment, Bill Hannah, U of Guelph, Canada

SESSION V
Evolution and Politics I, Organizer: Naomi Beck
Chair and Commentator: Paul Weindling, Oxford Brookes U, UK
The Politics of French Evolution Theories, 1790-1810, Pietro Corsi, U of Paris, France
The Battle Over Evolution in Germany: Ernst Haeckel’s Struggles with the Religious Right and Political Left, Robert J. Richards, U of Chicago, USA
Scientific Socialism: A Case Study in the Diffusion of Spencerism in Late Nineteenth Century Italy, Naomi Beck, U of Paris, France, U of Chicago, USA

SESSION VI
Lorenz’ Concept of Instinct, Organizer: Richard W. Burkhardt, Jr.
Lorenz on Innate Behavior and Phylogenetic Information, Derek Browne, U of Canterbuey, New Zealand
Instinct in the ‘50s, Paul E. Griffiths, U of Pittsburgh, USA
The Instinct Concept of the Early Konrad Lorenz, Ingo Brigandt, U of Pittsburgh, USA

SESSION VII
Life, Metaphysics, and Biosemiotics I: Biology and Metaphysics, Organizer: Naomi Dar
What’s Going On: Mapping the Central Issues in the Emergence Debate, Charbel Nino El-Hani, Federal U of Bahia, Brazil
Replication and Metabolism: Means to an End? Searching for Another Definition of Life, Naomi Dar, The Hebrew U of Jerusalem, Israel
What is Dialectical Biology? Terence Sullivan, U of Wisconsin, USA
Emergence, Nonlinearity, and Living Systems: A Metaphysical Lecture from Biology, Slobodan Perovic
SESSION VIII
Developmental Regulation I, Organizer: Carl Bumba
“Triggering” is the Wrong Metaphor, Jason Scott Robert, Dalhousie U, Canada
“Accommodation” in Evolutionary Developmental Biology, Julio Tuma, U of Chicago, USA
The Evolution of Higher Order Developmental Control, Carl Bumba, U of Vienna, Austria

SESSION IX
Fitness, Drift, Evolutionary Theory, Contributed Papers
Tautology, Probability and Drift, Frederic Bouchard, Duke U, USA
The Real Problem with the Propensity Account of Fitness, Jessica Pfeifer, U of Maryland, Baltimore County, USA
What Fixes Fitness? Grant Ramsey, Duke U, USA

SESSION X
History, Philosophy, and Sociology of 18th-19th Century Biology II, Contributed Papers
The Taxonomist’s Regress, Anna Maerker, Cornell U, USA
Our Protagonists Ancestors, Andrew Reynolds, U College of Cape Breto, Canada
Differentiation in Von Baer, Silvia Caianiello, ISPF, CNR, Italy

4:50 PM
SESSION I
Biology and Anthropology II, Organizer: Mathias Gutmann
From Biology to Anthropotechnics, Jerome Goffette, U of Claude Bernard, Lyon, France
The Human vs. Animal Distinction as Part of Man’s Construction of “Nature”: New Perspectives, Mathias Brochhausen, Johannes Gutenberg U, Germany
Let’s Face Our Expressions, Michael Bölker, U of Marburg, Germany

SESSION II
The Mutual Shaping of Science and Science Education II: Historical and Philosophical Studies, Organizer: Steve Fifield
Messages Missing From Science Education: Who Does Science Can Make a Difference, Cecily Cannan Selby, Independent Scholar, USA
The Gene Concept as an Example of Content in Science and Science Education, Veronica Flodin, Stockholm, U, Sweden
“A Skilled and Trained Eye Brain Behind It”: Teaching in the Cambridge School of Zoology, Helen Blackman, Cambridge U, UK

SESSION III
Exhibiting Humans and Animals, Organizer: Tatjana Buklijas
Darwin in the Cage: Changing Perceptions of Primates in the Late nineteenth-century Viennese Menagerie at Schoenbrunn, Oliver Hochadel, U of Vienna, Austria
Public Anatomy in Vienna, Tatjana Buklijas, Cambridge U, UK
Bodies that Matter: On Popular Displays of Anthropological Knowledge in Vienna Between 1900-1940, Klaus Taschwer, U of Vienna, Austria
Commentary, Lynn K. Nyhart, U of Wisconsin, USA

SESSION IV
Digital History of Biology: The Virtual Lab and the Encyclopedia of the History of Biology, Organizer: Manfred Laubichler
A demonstration by: Janet Browne; Richard M. Burian, Virginia Tech U, USA; Manfred Laubichler, Arizona State U, USA; Ilana Löwy; Hans-Jörg Rheinberger, Max Planck Institute for the History of Science, Germany; Henning Schmidgen

SESSION V
Evolution and Politics II, Organizer: Naomi Beck, Chair and Commentator: Paul Weindling, Oxford Brookes U, UK
The Disputed Political Boundary: William James, Philosophy, and the Evolutionary Science of Man, Francesca Bordogna, Northwestern U, USA
The Politics and Biology of Virtue, Abigail Lustig, Dibner Institute, MIT, USA
Human Nature, the Genetic Fallacy and the Politics of Development: Philosophical Anthropology as Critical Theory, Lenny Moss, U of Notre Dame, USA

SESSION VI
Philosophy and Ecology, Contributed Papers
Computational Models in Ecology, Steven Peck, Brigham Young U, USA
Invasion Biology and its Critics, Matthew Haber, U of California, Davis, USA
The Politics of Biodiversity, Uta Eser, Fachhochschule Nürtingen, Germany

SESSION VII
Life, Metaphysics, and Biosemiotics II: Biosemiotics, Organizer: Naomi Dar
An Agentive Hypothesis: A Biological Approach to Mind, Pamela Lyon, The Australian National U, Australia
Towards a Personalist Biology, Konstantin S. Khroustki, Novgorod State U, Russia
Metaphysics in Physics and Biology, Guenther Witzany
Panel Discussion: Is Biology More than a Sophisticated Chemistry? What Does the Metaphysics of Biology Look Like?

SESSION VIII
Developmental Regulation II, Organizer: Carl Bumba
Redundancy and the Connectionist Theory of Gene Control Networks, Roger Sansom, Texas A&M U, USA
Developmental Modules as Units of Selection? Gerhard Schlosser, U of Bremen, Germany
From Molecules to Ecologies: Biology Becomes the Science of Sensing, Luis Emilio Bruni, U of Copenhagen, Denmark

SESSION IX
Science in its Social Context, Contributed Papers
How to be a Successful Fraud, Roberto de Andrade Martins, State U of Campinas, Brazil
Baltimore and Feynman: Integrity and Method in Science, Arthur Zucker, Ohio U, USA
Sociobiology in the Germane Press: The Media Reception of a Controversial Theory, Sebastian Linke
The Uncertain and the Unruly, Joao Arriscado Nunes, Center for Social Studies, Portugal
SESSION X
Metascience from a Biological Point of View, Contributed Papers
Mach’s Biological Origin, Purpose, and Nature of Science, Paul Pojman, Towson U, USA
Charles Lyell’s Experimental Historical Science, Alessandro Pajewski, U of Chicago, USA
Larry Laudan, Richard Dawkins, and the Solution to Problems in Sociobiology, Julio Munoz-Rubio, UNAM, Mexico

Saturday, July 19
9-10:30 AM
SESSION I
Issues in Sociocultural Evolution I, Organizer: Marion Blute and Sigrid Glenn
Units of Interaction in Cultural Selection, Sigrid S. Glenn, U of North Texas, USA
The Gap Between Cultural Selection Theory and Sociology, Agner Fog
Is Cultural Evolution Lamarckian? Maria E. Kronfeldner, U of Regensburg, Germany

SESSION II
Biology of Human Behavior I, Contributed Papers
An Evolutionary Account of Self Deception, Bobby Robinson, Florida State U, USA
Can Evolution Explain Insanity? Dominic Murphy, California Institute of Technology, USA
Behaviorism, Ethology, and Evolutionary Biology: Forms of Behaviors and Their Relation to the Biological Sciences, 1950-1960, Bradley A. Kelley, Virginia Tech U, USA

SESSION III
Challenging the Essentialist Story about the History of Taxonomy I, Organizer: Mary P. Winsor
Iterative Aspects of Systematics, Sara Scharf, U of Toronto, Canada
The Functions of Myth: Essentialism as the Foe of 20th Century Evolution Theory, Ron Amundson, U of Hawaii, USA

SESSION IV
Indeterminism and Evolution, Organizer and Chair: Frederic Bouchard, Duke U, USA
Individual Fitness as the Source of Probability in the Theory of Natural Selection, Robert Brandon, Duke U, USA
Populations, Probability, and Natural Selection, Roberta L. Millstein, California State U, Hayward, USA
On the Interpretation of Probability in the Theory of Genetic Drift, Marcel Weber, U of Hannover, Germany

SESSION V
European Roots of Evolutionary Psychology, Organizer: Werner Callebaut
Chair and Introduction: Werner Callebaut, KLI, Austria and Limburgs Universitair, Belgium
European Roots of Evolutionary Psychology, Franz M. Wuketits, U of Vienna, Austria
Sensorimotor Schemes and Conceptual Integration: Piagetian Themes in Fauconnier and Turner’s Evolutionary-Psychological Blends, Marc De Mey, Ghent U, Belgium

SESSION VI
Biology and Education I, Organizers: Charbel El-Hani and Steve Fifield
Telling the Truth About Science, Cecily Cann Selby, Independent Scholar, USA
Socializing our View, Karen Kastenhofer, IFF Vienna and U of Vienna, Austria
21st Century Biology General Education, Cheryl A. Kerfeld, UCLA, USA

SESSION VII
Trajectories of Drugs, Organizer: Jean-Paul Gaudilliere
Drugs and Chronic Disease, Carston Timmerman, U of Manchester, UK
From “Inner Disinfection” to Antitoxin: Developing the Therapy, 1885-1895, Volker Hess, Institute for the History of Medicine, Germany
Penicillin: Chemical/Biological? Jean-Paul Gaudilleire, Cermes-Inserm, France

SESSION VIII
Topographies of Knowledge Production in Aquatic Ecology: The German-speaking World, 1870-1940 I, Organizer: Thomas Potthast
Topologies of Topology: Spaces of Research, Spirit of Place, and the Classification of Lakes, Thomas Potthast, U of Tuebingen, Germany
Swiss Connections in Early Aquatic Ecology: In the Midst of Border Crossings, Astrid E Schwarz, Technical U of Darmstadt, Germany
Commentary and General Discussion

SESSION IX
William Bateson and the Suppression of Epigenetic Biology, Organizers: Gerd B. Müller and Stuart Newman
Diminishing Returns: William Bateson’s Influence on 20th Century Evolutionary Biology, R.G.B. Reid, U of Victoria, Canada
William Bateson’s Physicist Ideas, Stuart A, Newman, New York Medical College, USA
William Bateson’s Strife with the Vivarium Institute, Gerd B. Müller, U of Vienna and KLI, Austria

11-12:30 PM
SESSION I
Issues in Sociocultural Evolution II, Organizers: Marion Blute and Sigrid Glenn
Repeated Assembly, Linnda R. Caprael, Rensselaer Polytechnic Institute, USA
Sociality as a Response to the Upper-Limits Problem, James Phelps, U of Connecticut, USA
Fitness in Explanations of Economic and Social Evolution, Thorbojorn Knudsen, U of Southern Denmark

SESSION II
Biology of Human Behavior II, Contributed Papers
The Politics of Group Versus Individual Differences in Behavioral Genetics, Lisa Gannett, California State U, Chico, USA
What are Natural Inequalities? Tim Lewens, Cambridge U, UK
Evolutionary Psychology and Behavior Genetics, Marko Barendregt, Vrije Universiteit, Amsterdam, The Netherlands
SESSION III
Challenging the Essentialist Story about the History of Taxonomy II, Organizer: Mary P. Winsor
The Essentialist Story as an Historical Phenomenon, Mary P. Winsor, U of Toronto, Canada
John Ray, Joseph Tournefort and Essences: The ‘Species Problem’ in the 17th Century, Susan McMahon, Max Planck Institute for the History of Science, Germany
Overcoming Essentialism, Gordon McOuat, U of King’s College, Canada

SESSION IV
Perspectives on Population I, Organizer: Michael R. Dietrich
Rehabilitating a Democratic Eugenics in the Postwar United States: Its Implications for Relations Between Social and Biological Scientists of Human Populations, Edmund Ramsden, Independent Scholar, UK
Whatever Happened to the Unity of the Genotype? Anya Plutynski, U of Utah, USA
Theoretical Articulation in Population Ecology: From Spreading the Risk to Metapopulation Dynamics, Greg Cooper, Washington and Lee U, USA

SESSION V
Microbial Challenges, Organizer: Robert I. Krasner
The Sociobiology of Vaccination, Peter Nicholls, U of Essex, UK
Interpreting the Plague After Yersin: Germ Theory and the Writing of History, Richard Keller, U of Wisconsin, USA
Public Health Advances of the 20th Century in Infectious Disease Control, Robert I. Krasner, Providence College, USA

SESSION VI
Biology and Education II, Organizers: Charbel El-Hani and Steve Fifield
Philosophical Contribution to a Better Clarification of the Conceptual Context and Goals of Environmental Education, Kostas Korfiatis, U of Cyprus
Natural History in Russia, 18th-19th Century, Alexei Kouprianov, European U at St. Petersburg, Russia

SESSION VII
Bioinformatics and the Transformation of Biomedical Research, Organizers: Joan Fujimura and Bruno Strasser
TENTATIVE

SESSION VIII
Topographies of Knowledge Production in Aquatic Ecology: The German-speaking World, 1870-1940 II, Organizer: Thomas Potthast
Exploring the Topography of the Living Sea Floor: The Community Concepts of Karl August Moebius and C.G.J. Petersen, Kurt Jax
Marine Ecology in the Natural History Museum, 1890-1925, Lynn K. Nyhart, U of Wisconsin, USA
Commentary and General Discussion

SESSION IX
Biology and Metaphysics I, Contributed Papers
Metaphysical and Scientific Trends in the Italian Debate About Theoretical Biology and Life Sciences at the Beginning of the 20th Century, Massimo Stanzione
Living Matters, Jeremy Kirby, Florida State U, USA
Muscular Psychophysics Continuum, Jorge de Barros Pires, UNOPAR, Brazil
Towards a Post Mechanistic Nature? Biotechnology and the Contemporary Body, Marko Monteiro

2-3:30 PM
SESSION I
The Romantic Conception of Life, Organizer: Phillip Sloan, Chair: Manfred Laubichler, Arizona State U, USA
Romantic Biology and British Life Science: Does Darwin Belong in this World? Phillip Sloan, U of Notre Dame, USA
Why Bob Richards is Completely Wrong in Making Darwin into an Ersatz German, Michael Ruse, Florida State U, USA
Response to Warranted and Unwarrented Criticisms of “The Romantic Conception of Life,” Robert J. Richards, U of Chicago, USA

SESSION II
Ecology and Environmental Values, Organizer: Heather Douglas
Invasion Ecology: Bates or Elton? Matt Chew, Arizona State U, USA
Environmental Protection in a Value-neutral World, Laura Landen, Providence College, USA
Ecology and Other Values in Dutch Nature Conservation, Henny van der Windt, U of Groningen, The Netherlands

SESSION III
Inheritance and Evolution, Organizer: Peter Godfrey-Smith
The Benefits of Infidelity, Eva Jablonka, Tel Aviv U, Israel
Mechanisms of Heredity and Evolutionary Theory, Patrick Forber, Stanford U, USA
Inheritance and Evolution, Peter Godfrey-Smith, Stanford U, USA

SESSIONIV
Perspectives on Population II, Organizer: Michael R. Dietrich
Looking for a Few Good Males: The History of Sexual Selection, Erika Milam, U of Wisconsin, USA
The Measurement of Biological Diversity, John M. Drake, U of Notre Dame, USA
The Justification of Balance, Christian Haak, Dalhousie U, Canada

SESSION V
Naples as an Evolutionary Niche, Organizer: Christiane Groeben
Catalyzing Science: The SZN as a “Hotel of Science,” Christiane Groeben, Stazione Zoologica Anton Dohrn, Italy
The Role of the SZN for the Introduction and Spreading of (Classical) Genetics in Italy, Alessandro Volpone, Stazione Zoologica Anton Dohrn, Italy
The SZN as a Special Place for Researchers, Ariane Dröschler, Stazione Zoologica Anton Dohrn, Italy
The Neapolitan Biological Research Center, Fabio De Sio, Stazione Zoologica Anton Dohrn, Italy
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“The Father of Ethology and the Foster-Mother of Ducks”;
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Emergence and Mechanisms in Biochemical Networks,
Organizer and Chair: Robert C. Richardson,
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Broad Emergence, Achim Stephan, U of Osnabrück,
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Emergence In Biochemical Networks: The Role Played of
‘Systemic’ Properties of Components in Complex Systems,
Frank J. Bruggeman, Vrije Universiteit,
Amsterdam, The Netherlands
Towards a Mechanistic Explanation of the ‘Live’ State
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‘Race’ in Theories of Human Origins and Diversity, from
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Black Skin and the Origin of Physical Anthropology, 1640-
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The Odd History of Human Paleontology, Jeffrey H.
Schwartz, U of Pittsburgh, USA
Commentary, Claudine Cohen, École des Hautes Études
en Sciences Sociales, France

Sunday, July 20

9-10:30 AM
SESSION I
Darwin, Contributed Papers
Functional in Darwin’s Theory of Descent with
Modification, Juan Carlos Zamora, UNAM, Mexico
Darwin and Inheritance, Ricardo Noguera and Rosaura Ruiz,
UNAM, Mexico
The Vestiges of Creation: The Phrenological Connection
to Evolutionary Theory, Sherrie Lyons,
Empire State College, USA
Progress and Degeneration: Romans, Lanester, Spencer,
Wallace, Daniel Bequemont

SESSION II
Biohistory—Neo-Darwinism’s Last Frontier, Organizer:
Robert S. McElvaine
Is the Sexual Arena A Battlefield or a Marketplace?
Marion Blute, U of Toronto, Canada
The Evolution and Ecological Variations of Sex Differences,
Bobbi S. Low, U of Michigan, USA
Sex as the Basis of Biohistory, Robert S. McElvaine,
Millsaps College, USA

SESSION III
Alternative Evolutionary Theories I, Organizers: George
Levit and Uwe Hossfeld
Some Remarks on Lysenkoism at Jena University, Uwe
Hossfeld and Lennart Olsson, Jena U, Germany
Alternatives to Darwinism in Sweden, Lennart Olsson,
Jena U, Germany
The Concepts of Directed Evolution, Igor Popov,
Russian Academy of Sciences, Russia

SESSION IV
Autonomy: A Key Concept I, Organizers: Alvaro Moreno
and Kepa Ruiz
Biological and Cognitive Autonomy as an Interplay
Between Population and Individuals, Bernd Müller and
Andreas E. Kilian, Fraunhofer Institute AIS, Germany
Autonomy in Dynamical Adaptive Systems: Towards a
Naturalized and Biologically Inspired Definition of
Cognition and Adaptive Behavior, Xabier Barandiarran,
U of the Basque Country, Spain
Autonomy and Functional Change, Wayne Christiansen,
KLI, Austria

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‘Systemic’ Properties of Components in Complex Systems,
Frank J. Bruggeman, Vrije Universiteit,
Amsterdam, The Netherlands
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Commentary, Claudine Cohen, École des Hautes Études
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SESSION VI
Science and Policy: International Perspectives I, Contributed Papers
Brazilian Biotech and IPR, Marilia Coutinho, U of São Paulo, Brazil
Urban Ecology in Action: The Baltimore Rat-Control Program, 1942-1945, Christine Keinner, Rochester Institute of Technology, USA
Biomedical Research in the USSR, Oxana Klimkova, Central European U, Hungary

SESSION VII
Dimensions of Genomics, Organizer: Jane Calvert
Sequencing Human Genomes, Adam Bostanci, U of Exeter, UK
Negotiating and Interpreting the Science/Technology Boundary in Genomics, Jane Calvert, U of Exeter, UK
Genomics and International Agricultural Research: A Dialogue of the Deaf? David Reece, U of Exeter, UK
Claims to Knowledge in Behavioural Genetics: The Problem of Mapping the Field, Richard Holdsworth, U of Exeter, UK

SESSION VIII
Biological Hierarchies I, Contributed Papers
Semiogenic Scaffolding in Living Agents, Jesper Hoffmeyer, U of Copenhagen, Denmark
Where Does Pattee’s “How Does a Molecule Become a Message?” Belong in the History of Biosemiotics? Jon Umerez, U of the Basque Country, Spain
Biolinguistics and the Causal Theory of Reference, Wolfram Hinzen, U of Regensburg, Germany

SESSION IX
Biological Hierarchies I, Contributed Papers
Evolutionary Processes Among Replicators, Interactors, and Transactors, Donato Bergandi, Florida State U, USA
Is Replication a Philosophical Interesting Concept? Bence Nanay, U of California, Berkeley, USA
Does the Theory of Cultural Evolution Need the Replicator-Interactor Distinction? Jean Lachapelle, Champlain Regional College, Canada, Luc Faucher, U of Quebec, Canada, and Pierre Poirier, U of Quebec, Canada

 SESSION I
Boundaries in Biomedicine, Organizer: Paula Saudkko
Troubling Risk, Paula Saudkko, U of Exeter, UK
Facts and Values, Christine Haukseller, U of Exeter, UK
Changing Diseases, Sara Melendro-Oliver, U of Exeter, UK

SESSION II
Scientific Change from a Biological Point of View, Contributed Papers
The Impact of the Debate about the Interpretation of Quantum Mechanics on the Problem of Science as Revolutionary of Evolutionary, Sheldon Richmond, http://askhephilosopher.cjb.net, Canada
An Evolutionary Analysis of Scientific Change: The Case of Genomics, Maureen O’Malley, Dalhousie U, Canada
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SESSION III
Alternative Evolutionary Theories II, Organizers: George Levit and Uwe Hossfeld
“The Nomogenesis,” George Levit, Jena U, Germany
Engineering Morphology for the Evolutionary Theory, Michael Gudo, Frankfurt U, Germany
Bryozoan Individuals and Bryozoan Individualization, Joachim Scholz, Research Institute Senckenberg, Germany, George Levit, Jena U, Germany

SESSION IV
Autonomy: A Key Concept II, Organizers: Alvaro Moreno and Kepa Ruiz
Chemical Autonomy and Stoichiometric Freedom: Toward a General Theory of Genetic Information, James Griesemer, U of California, Davis, USA
Steps Towards Life: A Perspective on Basic Autonomy, Kepa Ruiz-Mirazo
Autonomy and Information: Two Fundamental Principles in Biological Organization, Alvaro Moreno, U of the Basque Country, Spain

SESSION V
Is There a Kantian Tradition in Biology? Organizer: Phillippe Huneman
Functions’ Succession and Classification in Naturphilosophie, Stephane Schmitt, CNRS, France
Caspar Friedrich Wolff’s De Formatione Intestinorum, 1768-1769, or the Beginnings of Modern Embryology, Jean-Claude Dupont, CNRS, France
Naturalizing Purpose: From Comparative Anatomy to the Adventures of Reason, Phillippe Huneman, CNRS, France

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Postwar Conservation Management in British East and Central Africa: A Tale of Science, Law, Capitalism, and Development, Patricia A. Bunner, West Virginia U, USA
Early Wadden Sea Research in Germany: Application-oriented Biologists Lost Contact to New Theoretical Approaches in Marine Ecology, Hauke Bietz
Where Rivers Fail to Fulfill Their “Natural Functions,” Susie Fisher, The Open U of Israel

SESSION VII
Between Gender, Politics, and Biology, Contributed Papers
Feminist Politics Improving Biology: Where is the Objectivity? Carla Fehr, Iowa State U, USA
The Thwarting of a Promising Project: A Joint Laboratory Between the Institute for Radiobiology and the Vivarium in Vienna, Maria Rentetz, Virginia Tech U, USA
‘Fitra’ (Created Nature): Premodern Concepts of Gender Biology in Current Popular Islam, Maria Rentetz, Virginia Tech U, USA
From thelipsm to Theology: The Biological Basis of Weininger’s Sexology and Its Reception in Russia, Joanna Trzciani, U of Chicago, USA

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The Semiotic Dynamics of Societies, Edwina Taborsky, Bishop’s U and U of Toronto, Canada
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Synchronic and Diachronic Hierarchies of Entities in Living Systems, Toshiyuki Nakajima, Ehime U, Japan
Group Selection in a Changing Selective Environment, Alex Dajkovic, U of Kansas, USA
Gene Expression and Phylogenetic Inference, Sohrab Aghabozorgy, Institute of Molecular Biology, Iran

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Local Arrangements Chairs Request Additional Information

The meeting will be hosted by Werner Callebaut and Gerd Müller, who are the scientific manager and the chair of the Board of the Konrad Lorenz Institute for Evolution and Cognition Research (KLI).

Astrid Juette, the executive manager of the KLI, is responsible for local arrangements (and this information page). She can be contacted at the KLI: astrid.juette@kli.ac.at

KLI, Adolf Lorenz Gasse 2, A-3422 Altenberg, AUSTRIA
Tel.: +43-2242-32390 Fax: +43-2242-323904

Local Transportation Fees

Arrangements are being made for a pre-paid transportation pass (available for purchase at the meeting) for transportation throughout Vienna. At the present time, the proposed rate is $12.50, but the price may change by the meeting date due to fluctuations in the value of the dollar and/or euro. Please indicate (no payment or obligation is involved) if you are interested in purchasing this reduced fare for local transportation at the meeting.

€ I am interested in purchasing this reduced fare for local transportation

Post-Conference Tours

Depending on the interest in the different locations, trips to fascinating and topic-related places nearby Vienna will be arranged. So far there are three options. Registration and payment for the tours should be made at the registration desk on-site (in Euro). Costs will also depend on the number of participants.

Konrad Lorenz Research Station Grünau. The Konrad Lorenz Research Station, located in a picturesque valley in Upper Austria, still harbors the descendants of Lorenz’ flock of greylag geese. Expect a beautiful landscape, lively history of science, and modern ethological research on a number of fascinating animal species. A two-days trip (Sunday and Monday). Costs will include the bus and one night’s stay at a local hotel.

Gregor Mendel Museum in Brno, Czech Republic. Gregor Mendel conducted his experiments in the Augustinian monastery’s garden in Brno, where the Mendel Museum of Genetics is located today. A one-day trip, either on Sunday or on Tuesday (the museum is closed on Mondays). There are certain Visa requirements that you may want to check online. Costs include the bus and the admission charge for the museum.

Konrad Lorenz Institute for Evolution and Cognition Research (KLI). The KLI is located in Konrad Lorenz’s fascinating turn-of-the-century family mansion in Greifenstein near the River Danube and only half an hour North-West of Vienna. A half-day trip on Sunday afternoon. Costs will include the bus.

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