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frontpage illustration: the soy bean plant, nowadays genetically engineered by biotechnology firms.

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Domesticating Biotechnology How London's Science Museum Has Framed Controversy

by Les Levidow

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When we visit a science museum, we participate in a cultural ritual. We see objects celebrated as icons of progress. We are given an object lesson in the progress of civilization. Indeed, science museums promote a 'public understanding' that our future is already being secured through further discoveries about the nature of things.

In recent years, science museums have exhibited controversial subjects and have even provoked further controversy. Although art museums have done so too, the stakes are higher for science museums, given that they lend a special authority to representations of 'objective' reality. In one notable case, for example, a critical exhibition came under attack for supposedly exceeding the proper boundaries of 'science' (Gieryn, 1996).

While some exhibitions overtly take sides in a controversy, generally they would claim to portray it. For example, they seek to devise a 'balanced presentation' which encompasses all viewpoints from the controversy. More ambitiously, they could try to map the debate conceptually, by analysing the disputes within science (Rogers, 1997).

In practice, the choices are far more complex than a 'partisan versus neutral' role. The 'balance' metaphor presumes that a controversy has only two sides. Yet there are many possible ways to portray the disagreements; the metaphorical pivot depends upon which ones are emphasized. Indeed, there is no neutral way to portray a controversy. A museum display can frame the controversy in a partisan manner, simply by pre-empting or trivializing some issues.

There are many reasons for a museum to display controversial themes -- e.g. to attract visitors, to help educate them as informed citizens, to accommodate sponsors, etc. Recently, commercial sponsorship has become

central to cultural production. Such financial dependence influences how museums portray controversial issues, though in ways which may not be obvious. Let us examine how all the above features -- cultural icons, framing, and sponsorship -- have converged at London's Science Museum, especially its biotechnology exhibition.

Upset at 'Future Foods'

'Museum upsets Greenpeace', ran the headline in the newspaper report on 'Future Foods: An Exhibition Looking at Genetically Modified Food'. The reverse was also true: biotechnology critics upset the Science Museum. Just before the opening ceremony was to begin, an activist jumped up onto the lectern and gave a five-minute speech denouncing biotechnology. Greenpeace criticized the exhibition as 'awful', for failing to reflect people's concerns (Carroll, 1997).

Perhaps such an outcome is unsurprising, given that the exhibition was sponsored by organizations which emphasize the benefits of biotechnology.¹ Yet the museum curators had consulted some NGOs beforehand on how to design the exhibition. They sought to accommodate both promoters and critics of biotechnology, while also attracting the attention of visitors. How, then, is the exhibition designed to do all this?

Visitors encounter a playful, reassuring atmosphere which associates biotechnology with familiar images and devices. Interactive game-displays put visitors in the vicarious role of genetic engineers solving the world's agricultural problems. The panels have large, colourful, repetitive motifs of familiar foods -- cheese, wheat sheafs, beer mugs, etc.

These features provide a friendly ambience for the panel text, which in turn promotes industry claims -- namely, that biotechnology

is a modest extension of traditional agriculture; that gm food aims to benefit people and the environment; that safety regulation is strict, but that regulatory controls should not require segregation nor encompass the agrochemical implications. Let us examine further how these messages are conveyed.

The exhibition begins with a display of 'future foods' which are designed to benefit consumers, such as 'natural decaffeinated coffee', slow-ripening fruits, and broccoli with an anti-cancer agent. Such prominence implies that these benefits are central to the R&D investment; yet such products remain marginal, and some are designed mainly to cheapen the processing costs for industry. In a panel about 'Playing with nature?', we are invited to push buttons which change traits of flowers, and then we are reassured that 'Changing the genes of plants is nothing new.'

Engineering 'security?'

'Battle for the Cornfields' is an interactive display akin to a Space Invaders game. Visitors are invited to 'save your corn from caterpillars and beat today's high score'. The display simulates the micro-biostic technique of shooting genes into the cell nucleus. When we insert a poison-producing gene and plant an entire field of such corn, all the plants survive a caterpillar attack. This game is presumably based on Bt crops yet ignores its problematic aspects. From the exhibition alone, we would not know that Bt cotton failed to provide protection in some parts of the USA, that Bt crops in general may generate resistant insects, and that EU safety regulation has regarded Bt-resistant insects as an acceptable effect.

'Feeding the world', another interactive display, emphasizes the growing world population, which supposedly requires an increase in food supplies through higher productivity. Visitors are invited to 'design your crop' -- to push buttons which simulate genetic modification, e.g. for a gene which protects cassava from virus attack. Again, this display depicts a real innovation, though in a partisan manner (e.g. Walgate, 1990: 66). Viral susceptibility arises from genetic uniformity and monocultures, so farmers minimize virus attack by intercropping (Hobbelink, 1991: 139-40). Ignoring this solution, the exhibition attributes the virus

problem to a genetic deficiency. We are invited to save Third World farmers by giving them a magic bullet -- which would increase genetic uniformity.

A display entitled 'A potent mixture' contains soya beans, some of them genetically modified, though we are not told why. (The crop has an inserted gene conferring resistance to a herbicide -- both of which are sold by the same company.) We are told that most soya in processed food comes from the USA, in 'an inseparable mixture of genetically modified and unmodified soya beans'. Yet unmodified beans *are separable*; indeed, unmodified soya has been kept separate by specialist suppliers to some European food companies. The display of visually similar beans, captioned as 'inseparable', forecloses the issue of segregation, thus adopting the stance of the biotechnology companies.

Unintended effects

Under the heading 'Technological fix?', we are told that genetic modification can produce weedkiller-resistant crops, 'thus reducing the amount of chemicals required'. Yet there is ongoing public controversy about how such crops might affect agrochemical usage. This display reports recent research showing that the weedkiller-resistance gene may spread to some weeds through hybridization. Then we are told 'the moral of the story': that 'vigilance is needed in crop management'. In other words, the weed-control implications should be the responsibility of farmers alone, rather than be included within safety regulation. Thus the exhibition adopts the stance of the EU, the UK government and the biotechnology industry, while ignoring the criticism from some EU member states and environmental NGOs.

Finally, near the end, the exhibition acknowledges safety concerns about biotechnology. A panel depicts a Greenpeace protestor wearing an 'X', symbolizing unknown effects. Adjacent is a mannequin papered over with regulatory documents and large-size key words (e.g. 'human data', even though such data are rare in risk-assessment documents). We are reassured that 'risk assessments examine all the potential effects'. This is a misleading account, given that EU safety approvals have depended upon judgements that some undesirable effects

would be acceptable, despite protests from some member states (Levidow et al., 1996: 149-50).

While downplaying problems from predictable effects, the exhibition includes an interactive display entitled 'Unpredictable effects'. Visitors drop a metal disc into a set of moving shelves, which symbolize the difficulty in predicting 'knock-on effects' -- literally, in this case, as the discs knock into each other and eventually fall to the bottom. Thus the ecological uncertainties are symbolically converted into a mechanical model; the 'unpredictable' is made to appear reassuringly familiar.

Adjacent to the exhibition is the 'Ingenious Food' show, whose backdrop includes an enormous tomato and fish, along with colourful playground-type ladder. After a potted history of agriculture, the 'explainer' invites volunteers (generally, children) to symbolically transfer genes across species. Other volunteers are invited to perform a blind-test of genetically modified and conventional tomato paste. After all, it's a matter of personal preference: you can find out which type you prefer 'only by trying them'. We hear the message that our basic role in the controversy is to make consumer choices in the free market.

In short, the 'Future Foods' exhibition imaginatively promotes the views of its sponsors. It serves to domesticate and naturalize biotechnology, while making some gestures towards public concerns. It ignores some fundamental sources of our agricultural and food problems -- the intensive monocultural methods which attract pests, the further commodification of crops as interchangeable raw materials, and the appropriation of the best land for cash crops (many of them not even for human food). Instead the exhibition implies that our problems arise from genetic deficiencies which must be corrected by precise, familiar techniques for inserting designer genes. And it presents a one-sided account of biotechnology as environmentally-friendly, despite a long-standing public debate over what this means (e.g. Levidow and Tait, 1991).

Ordering things

In promoting industry views, biotechnology is no exceptional case for London's Science

Museum. In the early 1980s it opened a 'Nuclear Physics & Power' exhibition. Although sponsored by the entire nuclear industry, it promoted the more specific views of the UK Atomic Energy Authority. For example, the exhibition sanitized nuclear weapons, glorified the Pressurized Water Reactor, and naturalized nuclear power as if the technology were derived from the natural order. The Museum staff had sought to encompass wider views, but they were constrained by management diktat and were ultimately threatened with disciplinary proceedings for publicizing their disagreements. The exhibition design was also constrained by the 'object-centred' approach, which emphasizes description of objects on display, while leaving little scope to analyse power relations (Levidow and Young, 1984).

As another example, in 1989 the Science Museum opened 'Food for Thought', sponsored by the Sainsbury's supermarket chain, as part of 'Farming and Museums Year'. This exhibition departed from the didactic, object-centred style of earlier ones. It exemplified the new paradigm of 'consumer orientation', whereby museums self-consciously compete for customers with other entertainments, e.g. through interactive displays. In 'Food for Thought', visitors were constructed as prospective consumers who can indulge in pleasurable, sensory delights of diverse foods and thus freely choose their preferred products. By downplaying industry decisions about food production, the emphasis on consumer choice evaded issues about where the 'choices' come from (Macdonald, 1995).

In all these exhibitions, the Science Museum has apparently followed the old saying, 'He who pays the piper, calls the tune.' Of course, the relationship is more complex than sponsors giving orders. Museum staff may resist such pressure (e.g. Gieryn, 1996). We on the outside may not readily know about internal conflicts, especially given the self-censorship endemic to commercial sponsorship (e.g. Levidow and Young, 1984).

On the other hand, curators devise new ways to promote a worldview as if it were simply the order of things. For example, exhibitions are designed to involve visitors as vicarious consumers or technologists. Without overtly taking sides, science museums may still lend authority to a partisan account; they may

relegate some concerns to non-issues, simply by trivializing or ignoring them. When a museum frames a controversy in such ways, sponsors buy cultural legitimacy for their account of reality,

Thus we should ask: Rather than domesticate a controversial technology, how can science museums educate visitors for citizens' participation in the controversy? How can such a role be reconciled with commercial sponsorship?

Notes

1. The sponsors are: the Ministry of Agriculture, Fisheries and Food (MAFF), the Biotechnology and Biological Sciences Research Council (BBSRC), and the Food & Drink Federation (FDF).

2. The exhibition faithfully promotes the biotechnology industry stance, though this cannot be said of one sponsor's related booklet, *Food for Our Future*, for which Science Museum staff served as advisors. The booklet mentions environmental concerns that herbicide-resistance genes could transfer to weeds, and that herbicide-resistant crops could lead to increased herbicide usage. It then claims: 'Supporters of biotechnology argue that stringent rules exist to safeguard against these possibilities...' (FDF, 1997: 20; see similar claim in its Web pages, <http://www.foodfuture.org.uk>). On the contrary, biotechnology supporters *do not* argue that safety regulation safeguards against such possibilities -- nor even that it should do so. In practice, herbicide-resistant crops have been granted safety approval on the basis that such effects are either acceptable or irrelevant. We may well ask why the food industry exaggerates the remit of safety regulation.

References

- Carroll, R (1997) 'Museum upsets Greenpeace', *The Guardian*, 21 November: 8.
- FDF (1997) *Food for Our Future: Food and Biotechnology*. London: Food & Drink Federation.
- Gieryn, T. (1996) 'Policing STS: a boundary-work souvenir from the Smithsonian exhibition on "Science in Everyday Life"', *Science, Technology and Human Values* 21(1): 100-115.
- Hobbelink, H. (1991) *Biotechnology and the Future of World Agriculture*. London: Zed.
- Levidow, L. and Tait, J. (1991) The greening of biotechnology: GMOs as environment-friendly products, *Science & Public Policy* 18 (5): 271-80; reprinted in Shiva

and Moser, eds, *Biopolitics: A Feminist and Ecological Reader on Biotechnology*, pp.121-38. London: Zed.

Levidow, L., Carr, S., von Schomberg, R., Wield, D. (1996) Regulating agricultural biotechnology in Europe: harmonization difficulties, opportunities, dilemmas, *Science & Public Policy* 23 (3): 135-57 (email page@scipol.demon.co.uk).

Levidow, L. and Young, Robert M. (1984) 'Exhibiting nuclear power: The Science Museum cover-up', in *No Clear Reason: Nuclear Power Politics/Radical Science Journal* 14, pp.53-79. London: Free Association Books.

Macdonald, S. (1995) 'Supermarket science?', *Science as Culture* 5(1): 106-23.

Rogers, R. (1997) 'An STS meets the Academy of Museum Studies at the Science & Technology Center', *EASST Review* 16(4): 13-16.

Walgate, R. (1990) *Miracle or Menace? Biotechnology and the Third World*. London: Panos.

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John Durant, Science Museum London, will reply to Les Levidow in the next issue of the *EASST Review*.

Recent Dissertation

Ingrid Schild, *The Politics of International Collaboration in Polar Research*, Doctoral Thesis in Science and Technology Policy Studies, University of Sussex, Science Policy Research Unit, 1997

This thesis investigates the tension between science and politics in contemporary polar research. Twin objectives underpin this central theme. The first is to investigate the relationship between science and politics when analysed through an understanding of international collaboration in Arctic and Antarctic research. The second is to gain an understanding of the nature of research collaboration as an important mode of working in modern science.

A framework for analysing collaboration as a work process is proposed. The empirical research interprets how and why polar researchers collaborate. This is done by investigating a number of collaborative projects with reference to their policy and political context. Three countries with contrastive polar political interests were chosen within which to conduct the empirical work: the UK, Norway and Germany.

Science logistics (the means of supporting research in the field, e.g. transport, research platforms) are identified as the most significant enabling factor in experimental polar research. They also perform a symbolic political role for governments. In the three countries on which this study focuses, science logistics are controlled by government polar research institutes which also house multidisciplinary research programmes.

Logistics are traced to the heart of collaboration; they bring researchers together, and shape the nature of collaborative research. Differences in ease of access to national logistics structure collaboration. The interface between these politics of access and national political agendas is blurred, owing to the central role played by logistics in both science and politics. However, the apparent conflict between scientists' careers and polar politics masks the finding that scientists shape their careers in creative ways, despite, or perhaps

because of the constraints imposed by structural conditions. Viewing science as work reveals the importance of taking account of what scientists do when analysing the relation between science and politics.

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The EASST Council Meeting in Brighton

by Rob Hagendijk

On March 7, the EASST Council met in Brighton, U.K. Thanks to Katalin Balasz we could use the headquarters of Technopolis® that weekend. Technopolis is a research and consulting company focusing on science, and technology and innovation policy. Currently it employs some fifteen researchers. Its headquarters are well-situated at the entrance of the Royal Pavilion. Not only did the company provide us with a meetings room and facilities, the directors also used the opportunity to enrol as institutional members of EASST. A very nice gesture. Welcome on board!

Institutional membership was as such an item on the agenda of the Council. The Council considers it important to strengthen the links with as well as between institutional members and to expand their number. Many centers have not yet joined and we think it is important that they do. The reason for this is that it becomes ever more important that we make ourselves visible as a community that makes distinctive intellectual contributions to the diagnosis and practical handling of the problems that face European science and technology. Not only is there an abundance of problems that demand attention, Europe can also be seen as a gigantic experiment in developing new relations and practices in science and technology that demand attention for intellectual reasons. Within Europe the awareness is growing that these problems require social scientific as well as humanistic analyses. Given the limited job opportunities in academia for people trained in our field it is very important to take up such issues of intellectual as well as practical interest. EASST and its institutional members should take up that challenge. One area in which the network of institutional members might play a useful role is in the creation of networks of young researchers who are about to enter the job market for applied research and policy work in our field.

Now that the EU has decided upon the 5th Framework for the next five years it is important to explore how the STS and STP researchers relate to the themes identified as crystallisation points in EU science and technology policy. Even a cursory look at the plans brings out that there are all sorts of connections whether they have to do with information technology, biotechnology, the environment, health, transportation, urban development or the training and mobility of researchers and socio-economic research concerning technological innovation.

A plan discussed in the Council meeting aims to stimulate the establishment of networks of young researchers who focus on themes like those mentioned above. The networks would operate through websites and email but the participants would also get together periodically in Summer Schools and conferences to discuss the agenda for policy research and how it relates to research that is being carried out. Institutional members could provide the organisational basis to support and host such meetings and could apply collectively for funds to organise the future interface between applied and strategic research in the dynamics of European a science and technology. The Council has decided to organise a meeting with representatives of the institutional members during the Lisbon conference to discuss these ideas and to reserve money to stimulate the creation of some thematic networks suggested on an experimental basis. Of course, all this will only work if some enthusiastic people pick up the ball and run with it.

Of course, the EASST98 meeting organised in Lisbon by Maria Eduarda Gonçalves and her team was also discussed in the Council meeting. Maria reported on the progress that has been made in preparing for the conference. More on this can be found elsewhere in this review. We are grateful for the support that has been received from the EU and other

sponsors to make conference possible. Abstracts and proposals were still pouring in during our meeting. It is already well above the number we had expected. The program committee and the local organising committee are working hard to accommodate as many participants as possible. Especially hotel rooms are short in demand, unfortunately. Large travel industries have reserved considerable quantities of rooms for their own purposes. It may be worthwhile to check with your local travel agent whether they can make you an attractive offer that allows you to combine the conference with a short holiday and/or a visit to the world's fair in Lisbon, which closes on the 30th of September.

At the end of last year EASST was in near collision with 4S as it was discovered that 4S was planning its annual meeting in Halifax (Canada) at the same time as we were arranging our meeting in Lisbon. Fortunately it proved possible for the organisers to move the Halifax meeting to the beginning of November. We are very grateful for that and we hope that many of our members will manage to visit both meetings. To avoid such situations in the future 4S has decided to invite the EASST president to become an ex

officio member of their Council. In a symmetrical move we have decided to do the same and have invited 4S president Michel Callon to participate in our Brighton meeting. We were glad that he was able to come.

More changes in the composition of Council meetings are bound to happen. In accordance with the Charter of the society about half of the Council members will step down in about a year. Olga Amsterdamska, Katalin Balász, Uli Felt, Steve Fuller and Terttu Luukkonen will step down. A list of candidates for the elections will be decided upon on the business meeting in Lisbon after which a mail ballot will be organised. People who wish to be a candidate or w to suggest somebody else are invited to come forward and contact the Nominations Committee chaired by Olga Amsterdamska (amsterdamska@chem.uva.nl).

Various other items were discussed in Brighton like the budget for 1998, the relations with Social Epistemology and other journals, the EASST review and the website. The next issue of the Review will contain the minutes of the meeting. It was a short but productive meeting and I would like to thank both the hosts and the organisers once more for making it possible.

A New Programme on the Public Understanding of Science

Alan Irwin of Brunel University and Peter Healey of SPSP are coordinating a 'new opportunities' programme on the Public Understanding of Science between February 1998 and April 1999, funded by the UK ESRC. The programme aims to distil fresh thinking on public understanding of science/knowledge transfer and build a new agenda for research and also for policy and practice. The coordinators will be happy to hear of new research and practice from elsewhere in Europe; the programme's activities are expected to include a special programme of collaboration on Public Understanding of Science with the Scandinavian countries. Programme details can be found at www.spsg.org/pus/ or the coordinators can be contacted direct at

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peter.healey@spsg.org.

Conferences and Calls for Papers

The *Cultural Politics of Technology* is a workshop to be held in **Trondheim, Norway** on 15-16 June, 1998. The concept "cultural politics" in an attempt to bring together several concerns among scholars both at the Centre and in the international field of technology studies. As a theme, we have chosen the concept "cultural politics" in an attempt to bring together several concerns among scholars both at the Centre and in the international field of technology studies. We believe that a focus on the cultural politics of technology will enable a fruitful discussion about the relationship between two trends that have been emerging in recent years in the scholarly community: a growing concern for political issues in technology studies, and the more general cultural turn in the social and human sciences. We want to make use of this occasion to explore a topic we believe is vital to technology studies and to a wider community of people discussing the implications of modern technology.

Technology used to be perceived as a neutral instrument of cultural, social and economic progress. The development of technology was a political aim in its own right, around which a kind of ideological consensus prevailed. If controversies did arise, they primarily concerned political priorities to be made between different technological areas.

Much effort in technology studies has been spent on debunking this myth of technology as the apolitical benefactor of mankind (very seldom womankind). Scholars in this area now seem to agree that "artifacts have politics", at least in the sense that cultural processes shape technology. However, it has proved difficult to transcend the slogan.

Three main strategies have been pursued to trace the influence of politics in the shaping of technology. First, there is the dominant strategy of constructivism, the detailed analysis of particular examples of research, design and implementation of technology. Second, there is the strategy, above all favoured by feminists and environmentalists, to look for cases where one would expect to find «politics in action». A third strand has been to investigate the

ideological underpinnings of our technological culture.

These strategies have contributed important insights. Nevertheless, we think it is time to try to take the political concerns - academic as well as pragmatic - one step further. A point of departure could be to note the fact that promises about the benefits of new technologies often fail, while the warnings about technological dystopias seldom seem to come true. Clearly, there is a substantial gap between (naïve) political views on technology on the one hand and the actual development and employment of new technologies. Closing this gap might be one of the most exciting challenges for technology studies in the near future.

In particular, the potentials for gainful employment of technologies and the cultural underpinnings of such strategies need to be explored. How can we avoid the trap of "technological fixes" for social problems, while retaining the experience that new technologies often may play a strategic role to improve society's ability to manage social and environmental problems? Is it possible to conduct a critical as well as a constructive discourse on technology?

We have designated these concerns «the cultural politics of technology» to signify the importance of broad cultural concerns and insights in the development of different technology policy strategies. The design and use of technology are culturally embedded as well as culturally enacted. What do we know about these processes of embedding and enacting, and how may such insights be used to enable reflexive, democratic and sustainable technologies? These are the main topics we hope to explore in our workshop.

Keynote speakers include Andrew Jamison, Aalborg University, Denmark; Bruno Latour, Ecole des Mines, Paris, France; Donald MacKenzie, Edinburgh University, Scotland; David Nye, Odense University Centre, Denmark; Ann Rudinow Saetnan, NTNU, Trondheim, Norway. Deadline for abstract proposals is April 1. Proposals should be sent to: Centre for Technology and Society (STS),

Norwegian University of Science and Technology (NTNU), N-7034 Trondheim, Norway, fax: 47 73 59 13 27, email karhei@sts.ntnu.no. Inquiries about the workshop may be sent either to Mikael Hård (mikael.hard@hf.ntnu.no) or to Knut H. Sørensen (knuts@newman.itea.ntnu.no).

Politics of Technology is the theme of the 1998 EASST/NECSTS (Network of Centers in Science and Technology Studies) Workshop to be held at the **University of Maastricht** on May 13-16 1998. See www.unimaas.nl/~necsts. The workshop will address issues of technology and power, normativity and morality; issues that are currently debated in the field of technology studies. Following an introductory session on theory and concepts the workshop will address these issues mainly through thematic sessions on topics where 'technology and politics meet'. Sessions include 'Politics of Bodies and Machines', 'Politics of Uses of Space in Cities and Landscapes', and the 'Politics of Technology Studies'. Further information may be obtained from Ger Wackers, University of Maastricht, Faculty of Arts and Culture, Department of Technology and Society Studies, PO Box 616, 6200 MD Maastricht, The Netherlands, tel 31 43 388 3372 / 3476, fax 31 43 3259311, email g.wackers@tss.unimaas.nl. Registration deadline 1 April.

Applied Ontology, an International Conference on Law and Institutions in Society, will be held in **Buffalo (NY)**, Friday-Saturday, April 24-25, 1998. Information can be obtained from <http://wings.buffalo.edu/philosophy/farber> or evamk@acsu.buffalo.edu.

The *17th International Human Science Research Conference*, a multidisciplinary gathering for discussing and reporting qualitative research, will be meeting in **Sitka, Alaska**, June 10-14. The conference is supported in part by the Alaska Humanities Forum. For information, go to <http://www.sj-alaska.edu/ihsr-ind.htm>. Contact David Harrington at dharrington@sj-alaska.edu.

The **United Nations University** will hold a conference entitled *Industrial Structure, Innovation Dynamics and Technology Policy* on 16-17 October, 1998, in **Lisbon**. This conference, supported by the European Commission (DG-XII) is an attempt to bring together three distinctive research perspectives: (a) the "appreciative" theory of Technological Change, (b) the Economics of Industrial Dynamics and Macroeconomic Growth, and (c) the "systemic" views on Learning, Institutions and Competitiveness. Papers are invited on the following themes: Industrial Structure and Technological Change; Firms, Market Structure and Competitiveness; Comparative reviews and sectoral studies; Innovation Dynamics, Diffusion of Knowledge and Growth; and Institutional Changes, Learning and Economic Behaviour. The strict deadline for one-page abstract submissions is 25 May 1998. Notifications go out on the 15th of June, and completed papers are due on 1 September 1998. Contact Dr. Anthony Bartzokas, Keizer Karelplein 19, 6211 TC Maastricht, tel 31 43 350 6340, fax 31 43 350 6399, email bartzokas@intech.unu.edu. See the UNU/INTECH web site: www.intech.unu.edu.

Plural Medicine: Orthodox and heterodox medicine in Western and colonial countries during the 19th and 20th centuries, a conference organized by the *Society for the Social History of Medicine* and partly funded by the Wellcome Trust, will be held in **Southampton** on 15-16 September 1998. It aims to bring together medical historians working on colonial medicine and heterodox medicine in Britain. It is intended to facilitate discussion and exchange of ideas on themes such as the marginalization of heterodoxies/indigenous ways of healing; on how certain medical practices (such as homeopathy or mesmerism) developed as heterodoxies in Britain, yet as (one) part of 'mainstream colonial medicine' in the colonies; and on whether it is appropriate to talk of global biomedical expansion solely in terms of biomedical 'dominance' and 'power'. It is also intended to bridge the gap between historians of medicine and social scientists. Contact Dr Waltraud Ernst, Department of Sociology and Social Policy, University of Southampton, Southampton SO17 1BJ, UK, tel 44

1703-594857, fax 44 1703-592558, email WER@soton.ac.uk.

The *American Society for Information Science* (ASIS), the ASIS Special Interest Group/History and Foundations of Information Science (SIG/HFIS), and the *Chemical Heritage Foundation* announce a call for papers for the *Conference on the History and Heritage of Science Information Systems*, to be held Oct. 23-25, 1998 (immediately prior to the annual meeting of ASIS) in **Pittsburgh, PA**. This conference will explore the history and heritage of the nature, development, and influence of all types of science information systems worldwide. Abstracts of papers to be submitted are due April 1, 1998. Science information "systems" is broadly interpreted to include not only the history of specific systems and services developed for the sciences but also the ideas, concepts, and historical context affecting their development. Topics of interest could be history of information handling in various scientific disciplines (such as chemistry, biology, physics), the role of science information systems in scholarly communication, the assessment of the influence of major conferences relating to the development of scientific information systems, such as the 1948 Royal Society Scientific Information Conference and the 1958 International Conference on Scientific Information (Washington, DC), the role of science and technology information policies, contributions of specific individuals to the development of science information systems, etc. Additional details on the conference may be seen on the Web at: <http://www.asis.org>. Inquiries regarding the Conference should be addressed to: Robert V. Williams, Conference Chair, College of Library and Information Science, University of South Carolina, Columbia, SC 29208 USA, tel 1-803-777-2324, fax 1-803-777-7938, email bobwill@sc.edu.

The International Society for the Interdisciplinary Study of Symmetry (ISIS-Symmetry) will hold its fourth International Congress and Exhibition at Technion I.I.T., at the **Israel Institute of Technology in Haifa** on 13-19 September, 1998. The theme is

Order/Disorder: Organization and Hierarchy in Science, Technology, Art, Design and the Humanities. The emphasis is on the phenomenon of morphological organization and hierarchy. It is intended to continue the decade-long activity and dialogue between those concerned and interested in the subjects of symmetry and order. See <http://www.technion.ac.il/isis4>. Or contact Dan Shechtman (Chairman of the local Organizing Committee) c/o Nir Buras (Congress Secretary), Center for Architectural R&D, Faculty of Architecture and Town Planning, Technion, I.I.T., Haifa 32000, Israel, tel. 972 4 829 4018, fax 972 4 829 4617, email isis4@tx.technion.ac.il.

Materializing Cultures: Science, Technology and Medicine in Global Context will be held at the **Stanford (California) Humanities Center Annex** on 1-2 May, 1998. For information see <http://shc.stanford.edu/shc/1997-1998/97-98worshops/empires.html> or email spritch@leland.stanford.edu.

The *Third International Workshop on Telework*, entitled 'Telework Environments', in cooperation with the European Commission (DG-XIII), will be held at the **Turku School of Economics and Business Administration, Finland**, on 1-4 September 1998. The workshop will provide the opportunity for in-depth discussion of key contemporary issues in Teleworking, Alternative Officing, Virtual Organisations, Internet-based Working, and Computer-Supported Distributed Work. See <http://www.tukkk.fi/telework>. Contact Reima Suomi, Professor (acting), Turku School of Economics and Business Administration, Institute of Information Systems Science, Rehtorinpellonkatu 3, FIN-20520 Turku, Finland, tel 358 2 338 3409, fax 358 2 338 3451, email reima.suomi@utu.fi.

The Centre for the History of the Human Sciences and the Department of Psychology, **University of Durham** invite you to attend the seventeenth annual meeting of the *European Society for the History of the Human Sciences*. This will take place in Durham Castle,

University of Durham, from Friday 28 August to Tuesday 1 September 1998. Papers are invited on any aspect of the history, historiography, theory or methodology of the human sciences. The Programme Committee hope to include a number of symposia/colloquia and contributions on any of the following themes: The Implications of 'Open the Social Sciences' (The Report of the Gulbenkian Commission on the Restructuring of the Social Sciences); the Centenary of the Publication of Durkheim's 'Représentations individuelles et collectives'; Postmodern Challenges to Psychology; Historical Sources of a Critical Human Science/Psychology; Social-historical Change and the Human Sciences; Changing Paradigms in the Human Sciences; Evolutionary Thinking in the Human Sciences; and the Scottish Common Sense School and the History of the Human Sciences. Contact James Good, Department of Psychology, University of Durham, South Road, Durham DH1 3LE, UK, tel 44 191 374 2604, fax 44 191 374 7474, email j.m.m.good@durham.ac.uk. Papers should be submitted by 30 April 1998.

The next *International Conference on the History of Computing (ICHC'98)* will be held at the HNF Heinz Nixdorf MuseumsForum in **Paderborn (Germany)** from Friday, August 14, to Sunday, August 16, 1998. ICHC'98 is sponsored by the DFG, the HNF, and the Konrad-Zuse-Gesellschaft. See <http://www.inf.fu-berlin.de/~widiger/ICHC/>. The Conference will take place on the weekend prior to the International Congress of Mathematicians in Berlin (ICM'98) and is a satellite conference to this event. The HNF Heinz Nixdorf MuseumsForum (www.hnf.de) in Paderborn is a new institution dedicated exclusively to the history of information technology. The exhibition area of the HNF extending up to 6000 m² is even bigger than the computer museum in Boston. Papers on the following topics are invited the following topics: Architecture of early computers; Programming early computers; Simulation, reconstruction and reactivation of early computers; The first commercial computers; and The origins of abstract models of computation. Authors should submit three copies of an extended abstract to: Prof. Raul

Rojas, FU Berlin, Takustr. 9, 14195 Berlin, Germany, tel 49 30 83875100, fax 49 30 83875109, email rojas@inf.fu-berlin.de. The firm deadline is APRIL 15, 1998.

Interface '98, the twenty-third Annual Humanities and Technology Conference will be held in **Marietta, Georgia (Metro Atlanta)** on October 28-30, 1998. The conference, on 'Teaching and Learning Technology', provides a forum for discussing the interaction of humanistic concerns with scientific and technological developments. Past participants have represented such diverse fields as engineering, technology, computer science, physics, history, literature, music, and medicine. For more information use the web site at www.spsu.edu/interface or contact the conference director, Julie Newell, at jnewell@spsu.edu.

Mephistos '98, the 17th Annual Graduate Student Meeting for the History, Philosophy, and Sociology of Science, Technology, Medicine, and related fields will be held on September 17-20, 1998 in **Minneapolis, MN**. Mephistos is an annual forum for graduate students who wish to present papers, interact with colleagues, and discuss topics of concern across a variety of disciplines. The Program Committee seeks proposals for individual papers related to the History, Philosophy, and Sociology of Science, Technology, and Medicine from the ancient period to the present. Please mail, email or fax a one-page abstract for a 15-20 minute paper and brief c.v. postmarked by July 1, 1998 to: Mark Largent, Program in History of Science and Technology, Tate Laboratory of Physics, 116 Church Street S.E., Minneapolis, MN 55455, USA, tel 1-612-626-8722, fax 1-612-624-4578, email larg0007@tc.umn.edu. the Mephistos web site is at <http://home.att.net/~Olorin/mephistos/meph2.htm>

A *Philosophy of the Environment Conference*, hosted by the Centre for Philosophical Studies at **King's College London**, will take place on 18-19 April 1998. The Conference will be held at the Strand Campus of King's College in the Strand. Contact Dr Tony Dale, Centre for

Philosophical Studies, King's College London,
Strand, London WC2R 2LS, tel 44 171
8732585, email a.dale@kcl.ac.uk,
http://www.kcl.ac.uk/kis/schools/hums/philosop
hy/Centre.html

*The Burdens of the Past: Heredity in Medicine
from Constitution to Molecular Genetics.*

The 11th Course of the International School of
the History of Biomedical Sciences will be
held at the Pensières Conference Centre
(Fondation Mérieux), **Annecy, France**, on July
1-10, 1998.

Directors of the Course are William F.
Bynum, London; Bernardino Fantini, Geneva;
Mirko D. Grmek, Paris.

Faculty will include: Garland Allen, Saint
Louis (USA); William Bynum, London (UK);
Bernardino Fantini, Geneva (Switzerland);
Jean-Paul Gaudillière, Paris (France); Mirko D.
Grmek, Paris (France); Mark Harrison,
Sheffield (UK); Jane Maienschein, Tempe
(USA); Alex Mauron, Geneva (Switzerland);
Fernand Meyer, Paris (France); Zena Stein,
New York (USA); Mervin Susser, New York
(USA); Keith Wailoo, Chapel Hill (USA);
Claudia Wiesemann, Erlangen (Germany)

Topics include

Constitution in Classical Antiquity and Middle
Ages - Inheritance in non-Western medical
traditions - Theories of inheritance in the
XVIth - XVIIIth centuries - Social and cultural
attitudes towards heredity and
defects at birth - Diathesis and constitution in
XIXth Century medicine - Darwinism and
medicine (1860-1920) - Climatization and race
theory - Tuberculosis and Heredity - Family
tree methodology - Embryology vs.
Genetics (1880-1950) - Heredity of drug and
alcohol addictions - Blood Groups Genetics -
The merging of infection and heredity -
Molecular diseases - The History of Eugenics -
Blood disorders and evolution - Ethical
debates in medical genetics.

The course is organised by the Institut
Louis-Jeantet d'histoire de la médecine and the
Wellcome Institute (London) and it is
sponsored by the Fondation Louis Jeantet de
médecine and the Fondation Marcel Mérieux.

The course is addressed to scholars from a
wide variety of backgrounds and levels who
share an interest in medical genetics and more
generally in the history and philosophy of

biology and medicine. The emphasis of the
course will be to encourage discussion and the
exchange of ideas across disciplinary
boundaries.

French and English are the official working
languages. Extended summaries
and reading material in English will be
available for lectures in French.

Applications should be sent by April 30th,
1998 to: Institut Louis-Jeantet d'Histoire de la
Médecine, CMU, Case postale, 1211
Genève 4, Switzerland.

Tel: + 41.22.702.5790, Fax: +41.22.702.5792.
E-mail :

Bernardino.Fantini@medecine.unige.ch

Please include a brief C.V. and a statement
specifying your academic experience and
interest in the topic of the course. The group
will be limited to about 40 participants.

A tuition fee of US\$ 500 will be required. The
fee covers full board and lodging in Annecy.

Thanks to the generosity of the sponsoring
foundations, fellowships are available for
students and independent scholars.

Fellowships should be requested with the
initial application.

The South Scandinavian Consortium for
Science Studies hosts a *Summer school 1998*
history, philosophy, and social studies of
biology, at **Mols Laboratory, Femmoller**
(Jutland), Denmark, July 30 - August 5,
1998. The particular topics to be treated this
year are best explained with reference to the
following faculty:

- Claus Emmeche, Associate Professor in
Natural Philosophy and Science Studies,
Copenhagen University. He is the author of
The Garden in the Machine: The Emerging
Science of Artificial Life, (Princeton, 1994)

- Hans-Jorg Rheinberger, director of the
Max-Planck-Institut für
Wissenschaftsgeschichte, Berlin. His latest
book is *Toward a History of Epistemic Things:*
Synthesizing Proteins in the Test Tube
(Stanford, 1997).

- Judy Johns Schloegel, Postdoctoral Fellow,
Max-Planck-Institut für
Wissenschaftsgeschichte, Berlin. She is writing
about protozoology in the nineteenth and
twentieth centuries and a book, *Intimate*
Biology, on protozoan genetics in the United
States.

INSTITUTO SUPERIOR DE CIÊNCIAS DO TRABALHO E DA EMPRESA
FEDERAÇÃO PORTUGUESA DAS ASSOCIAÇÕES E SOCIEDADES CIENTÍFICAS

EASST

European Association for the Study of Science and Technology

EASST'98 GENERAL CONFERENCE

“CULTURES OF SCIENCE AND TECHNOLOGY. EUROPEAN AND THE GLOBAL CONTEXT”

Supported by the European Commission and the Portuguese Ministry of Science and
Technology

30 September – 3 October 1998

ISCTE, Lisbon – Portugal

EASST '98
Lisbon, 30 September - 3 October 1998

HOTEL RESERVATION FORM

Please type or print in block letters **before April 15, 1998**, to:

EASST Local Organising Committee - c/o Dr. Maria Lurdes Gonçalves
ISCTE
Avenida das Forças Armadas
P-1600 Lisbon, Portugal
Fax: +351 1 796 47 10

Family name: _____ First name: _____

Company/Organization/Institution:

Postal Address: _____

Postal code: _____ City: _____ Country: _____

Telephone: + _____ Fax: + _____

E-Mail: _____

HOTEL ACCOMODATION

The room prices include breakfast, taxes and service.(PTE)

Conference Hotels	Category	Room	
		single	double
Amazónia (150)	***	11 500	12 500
Continental (50)	****	14 500	15 500
Altis (30)	*****	17 000	19 000
Pension Londres (7) *	**		9 200

* For students only (double rooms: 4 600 PTE for each person)

Please reserve _____ single room(s) _____ double room(s) in Hotel _____

Arrival date ___/___/___ Departure date ___/___/___ Total nights _____

PAYMENT

Credit card

Visa Mastercard Eurocard

Card nº Exp.Date ___/___

Signature _____

Note: This information (on credit card) is enough to guarantee the hotel reservation.

Alternatively, you should send a cheque or bank transfer corresponding to the cost of two nights stay.

Cheque nº _____ drawn on (name of Bank) _____

_____ in amount of: PTE _____

payable to Hotel _____

Notes : Applications received after **April 15, 1998**, will be accepted on an availability basis.

Remember to take copy of this Form to your own files

Date ___/___/___

Signature _____

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REGISTRATION FORM

EASST '98 GENERAL CONFERENCE

Lisbon, 30 September - 3 October 1998

http://www.iscte.pt/EASST98

(30 September: arrival date; substantive work begins 1 October)

REGISTRATION FEES (pt escudos)

	Before 15 April 98	After 15 April 98
EASST Members	15 000	20 000
No Members	20 000	25 000
Students	10 000	15 000

Banquet on 02.10.1998 (optional) - 6 000 pte

Complete Symposium registration forms and all queries should be sent to
EASST - Local Organising Committee -Secretariat: Maria de Lurdes Gonçalves
ISCTE - Avenida das Forças Armadas, 1600 Lisboa, PORTUGAL
 Tel +351 1 793 50 00 ext.52102 and Fax +351 1 796 47 10;
 E-mail: EASST98@iscte.pt

Payment must be by cheque or bank transfer, payable to
FEPASC
 bank account number **NIB 001500100080022416365**, on
Banco Pinto e Sotto Mayor, São Mamede, PORTUGAL

Title	First name:
Family name	
Professional Position	
Institution	
Address	
City	Country
Telephone	Fax
E-mail	

For more information (scientific programme only):
Prof. Dr. Maria Eduarda Gonçalves
EASST' 98
ISCTE
Avenida das Forças Armadas
1600 Lisboa
PORTUGAL
 Tel 351 1 793 50 00 Fax 351 1 796 47 10
 E-mail EASST98@iscte.pt

- Vissiliki B. Smocovitis, Associate Professor in History of Science, University of Florida. She has published, among other things, *Unifying Biology: The Evolutionary Synthesis and Evolutionary Biology*, (Princeton, 1996).
 - Marcel Weber, Assistant at Center for Philosophy and Ethics of Science, University of Hanover. He is the author of several articles on the philosophy of biology and of the forthcoming book, *Die Architectur der Synthese, Entstehung und Philosophie der modernen Evolutionstheorie*, (Berlin, 1998).
 - Thomas Söderqvist, Research Council Professor in Science Studies, Roskilde University. He has written, among other things, *The Ecologists* (Stockholm, 1986) and a biography of the immunologist and Nobel Prize winner Niels K. Jerne, *Hvilken kamp for at undslippe* (Copenhagen 1998), is published in May.

The program consists of lectures, tutorials, and group discussions. PhD students are encouraged to prepare short presentation of their dissertation projects in plenary sessions.

The Mols Laboratory is beautifully situated in a hilly area called "The Mols Mountains" in eastern Jutland, Denmark.

The maximum number of participants is 20. About half of the participants will be Danish. Non-Danish participants can apply for a stipend that covers all costs, including food and lodging, plus a 1000 DKK (approx. \$150) stipend for travel.

Applications, including a one page curriculum vitae and a 300 word letter containing information about the applicant's ongoing PhD research project, should be sent to "Summer School on Mols", Department of Philosophy and Science Studies, Roskilde University, P.O. Box 260, Roskilde, Denmark, or by e-mail to: thomass@ruc.dk, before May 1, 1998. Selected participants will be notified in early May.
Contact: Thomas Söderqvist
 Division of Philosophy and Theory of Science
 Department of Communication, Roskilde University, P.O. Box 260,
 DK-4000 Roskilde, Denmark
 tel: + 45 4674 2714; home: + 45 3537 2086;
 fax: + 45 4674 3012; e-mail: thomass@ruc.dk

IN-TELE 98, a European Conference on Educational Uses of the Internet and European

Identity Construction, will be held on September 24-26 1998 in Strasbourg, France. The submission deadline is May 15, 1998; info at <http://in-tele.u-strasbg.fr/>.

The *International Society for the Study of Controversy* (pronounced I-ASK) invites papers on the rhetoric of experiment, for a conference in **Vercelli, Italy**, October 12-13, 1998. We solicit papers from any one in science studies--from any rhetorician, philosopher, social scientist, or historian--who is interested in the persuasive role of experiments or thought experiments or in the extent to which such experiments or thought experiments are, or can be modelled, as arguments.

We regard as seminal to work on the rhetoric of experiment Gerald Holton's early paper on Millikan's famous oil drop experiments, a paper in which Holton shows that Millikan "improperly" selected his most persuasive drops for public view. In effect, as we see it, Millikan was making an argument for his views in a manner analogous to that of a lawyer defending his client.

Please send 500-word abstracts of proposed papers by email by August 1 to Alan Gross at Grossalang@aol.com. Please do not send anything by regular mail.
 Contact: Alan Gross, Center for Philosophy of Science, University of Pittsburgh
 817 Cathedral of Learning,
 Pittsburgh, PA 15260
 tel: 1(412)624-0903; fax: 1(412) 624-3895;
 home-voice mail: 1(412) 683-2455.

On Time: History, Science, Commemoration is the name of the conference at National Museums and Galleries on Merseyside (NMGM), **Liverpool** on 16-19 September, 1999. It is a British Society for the History of Science (BSHS), Royal Historical Society (RHS) and NMGM conference, and a call for papers has been issued. The approach of the millenium has heightened awareness of the conventions and cultures of time. But what is time? This question has been of growing interest amongst historians. Their research is markedly interdisciplinary, spilling over the boundaries between social, economic and cultural historians, and historians of science,

technology, medicine and mathematics. 'On Time' responds to this interdisciplinarity.

Papers with a wide interest and historiographical scope are invited. Possible sessions include: Beginnings and Origin Stories, Commemoration, Maritime Time, Timetables and Technology, Workplaces and Time, Lifetimes and Servitude, Units of Time, Calendars, Time and Political Economies, Scientific Instruments and Time, Cultures of Time and Space, Religion and Time, Nostalgia, Rhythms and Cycles in the Natural Sciences, Evolution, Relativity, Anthropology and Time, Past-Futures, Ends of Time, Immortality. Roughly thirty minutes will be

Net news

CHEM-HIST, the listserv for the history of chemistry, recently has celebrated its first anniversary. CHEM-HIST aims to provide announcements of conferences and other forthcoming events, announcements of new projects and ventures in relevant fields, early discussions of work done within the history of chemistry, information about seminars, announcements of jobs, grants, scholarships, prizes, and article title listings from journals concerning the history of chemistry. Texts for distribution to all subscribers must be addressed to
CHEM-HIST@listserv.ngate.uni-regensburg.de.
Commands (such as "unsubscribe", "set nomail" etc.) must be sent to
MAISER@listserv.ngate.uni-regensburg.de.
For a list of available commands send HELP to: MAISER@listserv.ngate.uni-regensburg.de.

The website of the Society for the Social History of Medicine is now available at
<http://www.nottingham.ac.uk/~ahzwww/homesshm.htm>

The Global Public Understanding of Science cyberconference web site is located at
<http://www.dur.ac.uk/~dss0www1>.

Classics in the History of Psychology, a new

given for each paper chosen. Abstracts of 50-100 words should be sent before 1 September 1998 to either Dr William J. Ashworth, (BSHS), Department of Economic and Social History, The University of Liverpool, 11 Abercromby Square, Liverpool, L69 3BX, UK or Dr Roland Quinault (RHS), School of Historical, Philosophical and Contemporary Studies, Faculty of HTE, University of North London, 166- 220 Holloway Road, London N7 8DB, England. Interested speakers will be informed by the end of September 1998 as to whether their paper has been accepted.

web site, is at
<http://www.yorku.ca/dept/psych/classics/>

The History of the Health Sciences Section of the Medical Library Association is pleased to announce that its World Wide Web home page is now on line through the Medical Library Association home page at www.mlanet.org/ or directly at www2.mc.duke.edu/misc/MLA/HHSS/hhss.htm

Corp-Focus is a moderated listserv which distributes the weekly column "Focus on the Corporation," co-authored by Russell Mokhiber, editor of Corporate Crime Reporter, and Robert Weissman, editor of Multinational Monitor magazine. To subscribe to Corp-Focus, send an e-mail message to listproc@essential.org with the following all in one line: subscribe corp-focus <your name>

SPRU (University of Sussex) Electronic Working Paper Series (SEWPS) are downloadable through the SPRU Web page: www.susx.ac.uk/spru/ or directly: www.susx.ac.uk/spru/docs/sewps/index.html.

The AIP Center for History of Physics announces the online version of the

International Catalog of Sources for History of Physics and Allied Sciences (ICOS) at <http://149.28.112.25/pdi/icos.htm>, or for an easier address link from our homepage at <http://www.aip.org/history/>.

The ICOS includes information about primary source material - papers of scientists, records of major institutions, oral history

Awards

The 1998 **Forum for the History of Science in America Prize** will be presented for the best first book by a junior scholar published in English in 1996, 1997, or 1998. The subject area, the history of American science, is broadly defined to include Canada, Mexico, and the United States. A junior scholar is defined as an untenured scholar within ten years of receipt of the PhD. The Forum prize committee welcomes nominations for the prize, which will be presented at the 1998 annual meeting of History of Science Society in Kansas City. Nominations should be received by April 1. To nominate a book, send title, name of author, and publication information to the chair of the committee, Julie Newell, email jnewell@spsu.edu, or Julie Newell, SIS Department, Southern Polytechnic State University, 1100 South Marietta Pkwy, Marietta, GA 30060, USA, fax 1-770-528-4949.

The **Nicholas Mullins Award** is awarded each year by the Society for Social Studies of Science (4S) for an outstanding piece of scholarship by a graduate student in the general field of Science and Technology Studies. The prize, consisting of a cheque of \$500 (US) and a certificate and travel money for the 1998 annual meeting will be awarded for the eighth time. The competition is for graduate student papers, which must be submitted in English, based on all types of scholarly products in the field of science and technology studies: unpublished papers, published articles, dissertation chapters. It is recommended that dissertation chapters be adapted so as to make them "stand-alone." The work may not be older than two years at the

interviews, etc. - preserved in the Center's Niels Bohr Library and over five hundred other repositories worldwide. Please contact nbl@aip.org if you have any questions or comments about the ICOS online, or if you can provide us with new or updated information to add to the catalog.

time of submission. The intended readership for the papers is a general STS audience, rather than a specialized disciplinary readership. A graduate student can only make one submission a year. The length of a paper should not exceed 10,000 words - including notes and references. According to the rules, longer papers will be "punished" in the evaluation procedure, i.e., they do not have to be read in their totality. They should be typed double-spaced. Six (6) copies should be sent to the chair of the Nicholas Mullins Award Jury (see address below), but for students for whom this would be a financial hardship two (2) copies would be acceptable. The name and address of the author, the name and address of the author's institution should be on a separate sheet, so that these can be detached from the distributed copies. Deadline for submitting contributions is May 15, 1998. Papers received after that date will be considered for next year's contest. The evaluation is executed blindly by a jury of STS scholars. The winner will be announced at the Banquet at the Annual Meeting of the 4S. Winners are expected to attend the Annual Meeting of the 4S. For further information, please contact the chair of the jury: Alberto Cambrosio, Ph.D., Department of Social Studies of Medicine, McGill University, 3655 Drummond St. Montreal, QC H3G 1Y6, Canada, email cyco@musica.mcgill.ca, fax 1-514-398-4981, tel 1-514 398 1498.

Positions Available

The Science, Technology, and Globalization (STG) Program at **Embry Riddle University in Prescott, Arizona**, welcomes applications for a *tenure-track faculty position* at the Assistant or Associate Professor level. The STG Program is a new and interdisciplinary program based in the Humanities/Social Science Department and therefore possesses a strong foundation in cultural, political, economic, linguistic, and psychological analysis of science, technology, and globalization. The STG Program, however, has strong interests and ties to the Engineering, Computer Science, and Aeronautical Science Departments of our University. The successful candidate should be able to teach service courses in humanities and/or social sciences as well as interact (i.e., curriculum development, teach, research) with other departments. In addition, the candidate will be expected to teach courses in the core (e.g., Technology and Civilization, Evolution of Scientific Thought, Global Policy Studies) and in the advanced (e.g., Global Technosciences, Environment and Culture, Security and Globalization) section of STG. Finally, the candidate will be expected to offer a significant contribution to one of the three areas of concentration: Global Management, Globalization and the Environment; Globalization and Security. The candidate should bring a new dimension to the already existing structure of STG by means of innovative course development and research. The ideal candidate will have a record or show promise of significant research and grant writing ability. We encourage interested candidates to look at our web page to have a closer look at the course offerings, industry connections, current faculty, and international programs <http://www.pr.erau.edu/~huss/stg/>. Application deadline: April 15, 1998. Please send application materials to: Peter Quigley, Chair, Humanities and Social Sciences Department, Embry-Riddle Aeronautical University, 3200 Willow Creek Road, Prescott, AZ 86301-3720, USA, email quigley@pr.erau.edu, tel. 1-520-708-6954.

The Department of Science & Technology

Studies at **Cornell University** invites applications for a *one-year postdoctoral fellowship*. The Fellow will be expected to carry out research on the social, political, legal or ethical dimensions of scientific knowledge. Preference will be given to work of contemporary significance. Applicants with relevant backgrounds in science and technology studies, history of science and technology, cultural studies of science and technology, law or political science are encouraged to apply. The Fellow will be required to teach one course each term on topics such as US science policy and politics, law and science, science and culture, or the comparative politics of science and technology. In addition, the Fellow will participate in training graduate students in the Department. The fellowship, for the 1998-99 academic year, carries a stipend of \$33,000 plus health benefits. The Fellow must have completed all requirements for the Ph.D. by September 1998. Applications, which should include a curriculum vitae (including list of publications), three letters of recommendation, a course syllabus in one of the areas proposed above, and a brief outline of proposed research, should be sent by 15 April 1998 to: Postdoctoral Search Committee, Department of Science & Technology Studies, 726 University Avenue, Cornell University, Ithaca, NY 14850-3995. tel 1-607-255-6235, fax 1-607-255-0616 and email li10@cornell.edu. Homepage <http://www.sts.cornell.edu/CU-STS.html>.

Lectureship in North American History with special reference to Science and Technology, School of English and American Studies, **University of Sussex**, Brighton, UK. The appointee will need to be able to teach courses in the history of physical and life sciences, and technology and medicine in North America. Closing date: Friday 3 April 1998. Application forms are available from Sarah Marshall, Staffing Services Office, Sussex House, University of Sussex, Falmer, Brighton BN1 9RH. Tel: 44 (0)1273 678202. Email S.A.Marshall@sussex.ac.uk.

Second Announcement: 1998 European Graduate School in STS on Science, Politics and the Law August 17-21, 1998.

Key resource person and lecturer: Sheila Jasanoff (Cornell University)

Relations between science, politics and the law are more complex today than ever before. In courtrooms forensic evidence is heavily contested, reflecting the vital role of expert testimony in legal affairs these days. Political decision making relies on various forms of scientific expertise to make technical decisions, and to explain and justify them. Both policy makers and their opponents use technical expertise as well as media analysis to define and promote their goals. A new form of research has emerged in connection with public administration that is nowadays referred to as 'regulatory science'.

Students of science and technology explore the relations between scientific, legal and political issues and aim to contribute to their clarification. What insights do we gain from such analyses? What analytical perspectives can be brought to bear on the interfaces of science, politics and the law? How can we do innovative research on these interrelations and the effects for each domain and for the general public? More practically, what should the judge know about STS? And what should STS researchers know about the law and about political systems and regulation? Finally, what should citizens keep in mind when they are confronted with science in political and legal contexts?

These and other questions will be explored in the 1998 Summer School. Sheila Jasanoff (Cornell University) is the key lecturer. She is probably the most prominent specialist on the magic triangle between science, politics and the law. During the Summer School special emphasis will be placed on her work.

During the week various other scholars will join in to elaborate on certain themes and to present other views and perspectives. These other scholars will include **Michael Lynch** (Brunell, U.K.), **Chunglin Kwa** (Science Dynamics, Amsterdam), **Georg Kruecken** (Sociology, Bielefeld), **Robin Pistorius** (International Relations, Amsterdam), **Maria**

Eduarda Gonçalves (ICSTE, Lissabon), **Roland Bal** (Dept. of Law and Policy, Leyden U.), and **Wim Sprangers** (Dutch Forensic Science Lab.).

For exercises and discussions we will draw upon a variety of cases and materials from various domains, as medical issues, environmental problems, the regulation of drugs and chemicals, forensic science etc. There will be ample room for participants to present their own work and to discuss it with other participants and with the lecturers.

The annual Summer School has been organised since 1986 by the Netherlands Graduate School of Science, Technology and Modern Culture (WTMC). Participation in the School is part of the curriculum for WTMC Ph.D. students in the Netherlands. Ph.D. students from other European and non-European countries are most welcome to join and enjoy the lively debates and informal exchange with other young scholars and distinguished senior researchers in the field. Participants who are also EASST members can participate at a reduced rate.

Fee: DFL 1400.-; Reduced rate: DFL 1200.-. For further information please contact: Rob Hagendijk, Dept. Science & Techn. Dynamics, Nieuwe Achtergracht 166, 1018 WV Amsterdam, tel: 31-20-525-6898, fax 31-20-525-6579, email: a498rob@horus.sara.nl

Letters of application are to be sent to him. They should include a short C.V. and a description of one's research. In order to qualify for a reduced rate or a stipend, the letter of application should contain the relevant information about one's research, institutional affiliation and/or EASST membership.

EASST Travel Stipends: If one applies for an EASST travel stipend, a letter of recommendation from a senior scholar in the STS field is required on top of the information in your letter of application. The EASST travel stipend application should be sent to Andres Zelman, the EASST secretary, at the same

address. For information on EASST Travel Stipends please consult the EASST web site at

www.chem.uva.nl/easst.

Application deadline: 15 April 1998

News from the Association

EASST Elections - Call for Candidates

The Council of EASST invites members of the association to nominate candidates for the upcoming elections for five seats on the EASST Council. The term of office is three years. Elections by secret ballot to the Council and to the Presidency of EASST will be held between October 15, 1998 and January 1, 1999.

The EASST Council functions on a collegial basis and meets once or twice every year. Members of the Council, who coordinate their activities with the President, carry out a variety of organizational tasks in the Association, and prepare and develop new initiatives to be carried out by the Association.

The term of office for the five new members of the EASST Council will begin on January 1, 1999.

In accordance with EASST's Constitution, the list of candidates for the Council is to be decided at the membership meeting. To prepare for the elections the Council has appointed a Nominations Committee (Olga Amsterdamska, Uli Felt, Katalin Balazs).

The procedure is as follows:

- Members are invited to nominate suitable candidates (self-nominations are welcome), before September 10, 1998. The nominations committee will invite each candidate to confirm his or her candidacy and to send in a short biographical statement and a short statement on what s/he would seek to achieve as a Member of the Council or as the President of EASST.

- The Nomination Committee will report to the Council and to the Membership Meeting and prepare a list of candidates for the elections. The final list of candidates will be decided upon at the Council Meeting to be held in Lisbon.

- Elections by secret ballot will be held among

all registered individual EASST members between October 15 and January 1, 1998.

Please send in nominations (including the full address of the nominee) before September 10, 1998 to the EASST secretary, Andres Zelman, c/o Science and Technology Dynamics Department, University of Amsterdam, Nieuwe Achtergracht 166, 1018 WV Amsterdam, The Netherlands. If you want more information regarding the elections and the council please contact one of the members of the Nominations Committee.

EASST'98

Cultures of Science and Technology in Europe and the Global Context

ISCTE, Lisbon, 1 October - 3 October 1998

The Call for Abstracts for EASST'98 published with the Second Announcement of the Conference, in the December issue of this Review, met with a broad and enthusiastic response. The Local Organising Committee and proposed Sessions Organisers have received, on the whole, well above two-hundred submissions. The Programme Committee, together with the Local Organising Committee, in consultation with Sessions Organisers, are now in the process of evaluating and organising these materials. It is expected that the preliminary programme for EASST'98 will be ready later in April.

PRELIMINARY THEMES AND TOPICS FOR SESSIONS

1. SCIENCE AND TECHNOLOGY POLICIES: NATIONAL, EUROPEAN AND GLOBAL

S1 - Title: European S&T Policies at the Crossroads

Organiser: Erkki Kaukonen
University of Tampere
Research Institute for Social Sciences/Sciences Studies Unit
P. O. Box 607, 33101 Tampere, Finland
fax: + 358 3 215 6502; E-mail: yterka@uta.fi

S2 - Title: Policies for Science and Technology: What Can We Achieve ?

Organiser: Margaret Sharp
Science Policy Research Unit, University of Sussex
Brighton BN1 PRF, United Kingdom
fax: + 44 1273 68 58 65; E-mail: m.l.sharp@sussex.ac.uk

S3 - Title: Is There Any Room for Manoeuvre for Science and Technology in Europe? Institutional Constraints and Path Dependency in the RTD Systems in Europe
Organisers: Luis Sanz-Menendez
Consejo Superior de Investigaciones Cientificas
Instituto de Estudios Sociales Avanzados
Calle Alfonso XII, 18
28014 Madrid, España
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and Arie Rip
Professor, Philosophy of Science and Technology
Centre for Studies of Science, Technology and Society
TW r. RC 315
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7500 AE Enschede, Netherlands
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E-mail: A.Rip@wmw.utwente.nl

S4 - Title: Knowledge Sourcing and Foresight: Aligning and Managing Knowledge Across Distinct Constituencies
Topic 1: Developing a Meta-Theoretical Map of Knowledge Dynamics via Epistographic Analysis
Topic 2: Foresight and the Language of Future Knowledge and Technology: a Critical Perspective
Topic 3: Control and Management of Knowledge Flows in Different Cultural, Organisational and Technological Contexts
Organiser: Andrew Webster
E-mail: awebster@bridge.anglia.ac.uk

S5 - Title: A discussion about 'reception' of European science in Latin America

Organiser: Pablo Kreimer
Instituto de Estudios Sociales de la Ciencia
Universidad Nacional de Quilmes
Argentina
E-mail: pkreimer@ricyt.edu.ar

S6 - Title: Seminar: European Science and
Technology Assembly/EASST
Organisers: Aant Elzinga
Department of Theory of Science and
Research
University of Gothenburg
S-412 98 Gothenburg
tel.: 46 31 773 1931; fax: 46 31 773 4723
E-mail: vetae@hum.gu.se

and Alexandre Quintanilha
Director, Institute for Molecular and Cell
Biology
University of Porto
Rua do Campo Alegre, 823
4150 Porto, Portugal
tel.: 3512 60 74900

2. THE SCIENCE AND TECHNOLOGY SYSTEM: INSTITUTIONS AND NETWORKS

S7 - Title: Research Collaboration and
Networking Across National Borders
Organiser: Terttu Luukkonen
VTT Group on Technology Studies
P. O. Box 1002
FIN-02044 VTT
Finland
fax: + 358 9 456 7007
E-mail: Terttu.Luukkonen@vtt.fi

S8 - Title: Collaboration Networks in Science
Organiser: Jochen Glaeser
Science Center, Berlin
AG Wissenschaftszentrum Berlin Fuer
Sozialforschung
Reichpietschufer 50
D- 10785 Berlin, Deutschland
fax: + 49 30 25491 684
E-mail: jglaeser@medea.wz-berlin.de

S9 - Title: European Science and
Globalization: Isomorphism, Differentiation
and Change
Organiser: Georg Kruecken, University of

Bielefeld
E-mail: GKruecken@soz01.Sozilogie.Uni-
Bielefeld.de

S10 - Title: Globalization of Marginal
National Science Systems
Organiser: Anita Engels
Institute for Science and Technology Studies
(IWT)
University of Bielefeld, Germany
tel.: + 31 20 525 6898; fax: + 31 20 525 6579
E-mail: klima@post.Uni-Bielefeld.DE

S11 - Title: Centre and Periphery in S&T in
Europe: New Lines of Division
Organiser: Igor Egorov
Centre for S&T Potential and Science History
Studies
National Academy of Sciences of Ukraine
60 Shevchenko Boulevard
252032 Kiev, Ukraine
tel.: + 380 44 219 14 86 (office)
+ 380 44 413 15 00 (home)
fax: + 380 44 216 95 91; igor@yan.kiev.ua

S12 - Title: Post-Socialist Period's Innovation
and Technology
Organiser: Koty Lapid
P.O. Box 3317 Beer Sheva
Israel
tel.: + 972 7 6421 658; fax: + 972 7 6434 802
kolap@magnet.hu

S13 - Title: Public Sector Research in
Transition(s)
Organiser: Jacqueline Senker, Senior Fellow
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United Kingdom
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fax: + 44 1273 685 865
E-mail: j.m.senker@sussex.ac.uk

S14 - Title: The Political Sociology of Large
Technical Systems
Organiser: Hans K. Klein, Assistant Professor
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Atlanta, GA 30332-0345, U.S.A.
tel.: + 1 404 894 2258; fax: + 1 404 894 0535
E-mail: hans.klein@pubpolicy.gatech.edu

3. RESEARCH AND EVALUATION METHODOLOGIES

S15 - Title: Evidence-Based S&T Evaluation:
Methodologies and Techniques
Organiser: Sylvan Katz, Senior Fellow
BEST Project Manager
Science Policy Research Unit, Mantell
Building, University of Sussex
Falmer, Brighton, East Sussex, UK BN1 9RF
tel: + 01273 877152; fax: + 01273 685865
E-mail: J.S.Katz@sussex.ac.uk

S16 - Title: Interactive Research
Methodologies in STS
Organiser: Joske Bunders
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Vrije Universiteit of Amsterdam
De Boelelaan 1087 HV Amsterdam
The Netherlands
tel: + 31 10 444 7030; fax: + 31 20 444 7123
E-mail: jbunders@bio.vu.nl

4. PUBLIC UNDERSTANDING, EXPERT AND PUBLIC PARTICIPATION IN DECISION-MAKING

S17 - Title: Changing Spaces: On the
Production of Popular Knowledge about
Science
Organiser: Ulrike Felt
Institute for Philosophy and Social Studies of
Science
Sensengasse 8
A- 1090 Vienna, Austria
tel.: + 43 1 402 76 0111;
E-mail: ulrike.felt@univie.ac.at

S18 - Title: Public Participation and
Environmental Science and Technology Policy
Options
Organiser: Andrew Jamison
University of Lund
E-mail: andy@i4.auc.dk

S19 - Title: Openness and Transparency in
Scientific Expertise in Europe
Organiser: Gordon J. Lake
Principal Administrator
Secretariat, Committee on Research,
Technological Development and Energy

European Parliament
L-2929 Luxembourg
tel.: + 352 4300 22979;
fax: + 352 4300 24991
E-mail: Glake@europarl.eu.int

S20 - Title: What Expertise for European
Policy ? The Politics of STS/TSER Research
Organiser: Les Levidow
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Milton Keynes, United Kingdom
E-mail: L.Levidow@open.ac.uk

S20a - Title: Interactive Social Science
Organiser: Chris Caswill
UK ESRC
E-mail: Chris.Caswill@esrc.ac.uk

S21 - Title: Modelling Practices: The
Interrelation between Social and Expert
Knowledge
Organiser: Adrienne Van den Bogaard
Faculty of Economics and Econometrics -
University of Amsterdam
Roeterstraat 11,
1018 WB Amsterdam, Netherlands
tel.: + 31 20 5254276; fax: + 31 20 5254036
E-mail: bogaard@fee.uva.nl

S22 - Title: Risks and Regulations: Neo-
Institutional and Cultural Perspectives
Organiser: Roland Bal
University of Leiden
Kapoenstraat 16
6211 KW Maastricht, Netherlands
Tel/fax: + 31 (0) 43 325 29 86
E-mail: oomesbal@cuci.nl

S23 - Title: Risk Management in the Face of
Uncertainties: Cross-Cultural Perspectives
Organiser: Maria Eduarda Gonçalves
ISCTE
Avenida das Forças Armadas
1600 Lisboa, Portugal
tel.: 351 1 790 3068; fax: + 351 1 796 4710
E-mail: Maria.Eduarda.Goncalves@iscte.pt

S24 - Title: Involving Citizens in the
Evaluation of Technology Experiences,
Methods, Benefits and Pitfalls
Organiser: Matthias Kaiser
NERT
E-mail: mkaiser@online.no

S25 - Title: Science and Technology Museums as STS Laboratories ?
Organiser: André Bergeron
GERSULP, Université Louis Pasteur
7, rue de l'Université,
F- 67 000 Strasbourg, France

5. SCIENCE, LAW AND ETHICS

S26 - Title: From Gifts to Markets ?
Transplantation Medicine in Transition
Organiser: Gerald Wagner
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University of Amsterdam
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1018 WV Amsterdam, Netherlands
fax: + 31 20 525 6579; E-mail:
gerald@chem.uva.nl

S27 - Title: The Social Management of
Genetic Engineering
Organiser: Peter Robert Wheale
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and Ruth McNally, ESRC Fellow
Brunel University
CRICT Building CR 115
Uxbridge, Middlesex, UB8 3PH
United Kingdom

S28 - Title: Biomedicine, Technology and
Ethics
Organisers: Fernando Cascais
Faculdade de Ciências Sociais e Humanas
Universidade Nova de Lisboa
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1000 Lisboa, Portugal
E-mail: mop07143@mail.telepac.pt

and Teresa Levy
Faculdade de Ciências de Lisboa
Rua Ernesto Vasconcelos
1700 Lisboa, Portugal

S29 - Title: Impure Science: Issues,
Experiences and Perspectives
Organisers: Michael Lynch

and João Arriscado Nunes
Centro de Estudos Sociais
Universidade de Coimbra
Apartado 3087
3000 Coimbra, Portugal
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6. TECHNOLOGY STUDIES

S30 - Title: Expectations, Technology, the
21st Century and Technology Assessment
Organiser: John Grin
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Oudezijds Achterburgwal 237
1012 DL Amsterdam, The Netherlands
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fax: +31 20 525 2086
E-mail: grin@pscw.uva.nl

S31 - Title: Users and Machines: Constructing
Subjective Relationships
Organisers: Madeleine Akrich
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60 Boulevard Saint Michel
75006 Paris, France
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and Danielle Chabaud-Rychter
Groupe d'Études sur la Division Sociale et
Sexuelle du Travail
Institut de Recherches sur les Sociétés
Contemporaines
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59-61 rue Pouchet
75849 Paris Cedex 17, France
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S32 - Title: The Measure of the Mind:
Studies of Technologies in the Neurosciences
Organiser: Anne Beaulieu
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S33 - Title: Technology and Inequality
Organiser: Peter Senker
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fax: + 44 1895 203155
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S34 - Title: Science and Technology in
Contemporary Art: Re-Framing Cultural
Studies of Technique
Organiser: Sarah B. Franklin
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S35 - Title: Technologies of Genealogy:
Making Pedigrees in Genetic Research and
Medicine
Organiser: Claudia Casta-eda
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and Medicine
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7. REALITIES AND MEANINGS IN THE VIRTUAL SOCIETY

S36 - Title: Work in the Information Society
Organiser: Gerd Schienstock
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S37 - Title: How Global is Becoming the
Knowledge Society? In Search of Diversity in
the Virtual Learning World
Organiser: Maria-Inês Bastos
Ministério da Ciência e Tecnologia
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70067-900 Brasilia, DF
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S38 - Title: The Reshapings of Exclusions in
the Information Society
Organiser: Marja Häyrynen-Alestalo, Head of
the Unit
Department of Sociology
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University of Helsinki
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S39 - Title: The Self-Organization of the
European Information Society.
Organiser: Guenter Kueppers
University of Bielefeld
Institute for Science and Technology Studies
P.O. Box 10 01 31
D-33501 Bielefeld, Germany
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S39a - Title: Virtual Society? Prospects for the
Social Science of Electronic Technologies
Organiser: Steve Woolgar
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ESRC Virtual Society Programme
Steve.Woolgar@brunel.ac.uk

S40 - Title: Conceptions of Social
Order/Disorder in the Era of Virtuality
Organiser: Brian P. Bloomfield
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Manchester M60 1Q, U.K.
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E-mail: theo.vurdubakis@umist.ac.uk

8. SPACE, ENVIRONMENT, AND MOBILITY

S41 - Title: Interdisciplinary Research for
Sustainable Development
Organiser: Per Sorup (and Sonia Garcia
Orrico)

Principal Scientific Officer
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S42- Title: Climate Research in national and transnational contexts
Organiser: Chunglin Kwa
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S43 - Title: Cities in Transformation: Urban Planning and the Social Studies of Science
Organisers: Robert Evans
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and Anique Hommels
University of Maastricht

S44 - Title: Transportation Research and STS
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9. HISTORY AND THEORY OF SCIENCE AND TECHNOLOGY

S45 - Title: Science and Empire
Organisers: Cristiana Bastos
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and Ricardo Roque
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S46- Title: STS and the Third World
Organiser: Pablo Kreimer
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S47- Title: Perspectives on Psychology
Organiser: Maarten Derksen
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E-mail: m.derksen@ppsw.rug.nl

S48 - Title: Psychology of Science and the Formation of Problems in Science. A Case Study in Cognitive Psychology, Anthropology and Interdisciplinary Research
Organiser: Carl Martin Allwood and Jan Barmark
E-mail: jan@vest.theorysc.gu.se

S49 - Title: Anthropology of Knowledge
Topic 1: Western Psychology comes to India
Topic 2: The Reception of Buddhist Philosophy among Western Psychotherapists. From Jung to Epstein.
Organisers: Carl Martin Allwood and Jan Barmark
E-mail: jan@vest.theorysc.gu.se

S50 - Title: Metaphors and Knowledge Dynamics
Organisers: Sabine Maassen
Max Planck Institute for Psychological Research, Munich

and Peter Weingart
University of Bielefeld
Germany

E-mail: Peter.Weingart@post.Uni-Bielefeld.DE

S51 - Title: Empirical Investigation of Agency
Organiser: Jochen Glaeser
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AG Wissenschaftszentrum Berlin für Sozialforschung
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D- 10785 Berlin, Deutschland
fax: + 49 30 25491 684
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S52 - Title: A Model for the Study of Research and Education in a Transdisciplinary Context
Organiser: John Hultberg
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S-400 12 Gothenburg, Sweden
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S53 - Title: Cross-Disciplinary Dialogues: Science Studies Meet the Sciences
Organisers: João Arriscado Nunes
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S54 - Title: Gender and Science
Organiser: to be indicated

Latest Update: 12 March 1998

For further information, see
<http://www.iscte.pt/EASST98>