

Leonardo/ISAST NEWS

The Newsletter of the International Society for the Arts, Sciences and Technology

OLATS News

OLATS, the French Leonardo Web site, is pleased to announce the publication of the first Leonardo Electronic Monograph in French: "Art et technologie: la monstration" (Curating, Displaying and Exhibiting Works of Electronic Art). This study, done by Annick Bureau, Nathalie Lafforgue and Joel Boutteville for the Fine Arts Department of the French Ministry of Culture, deals with the burning issues we face in curating, displaying and exhibiting works of art related to contemporary and current technologies.

The first section recalls the history of museums and examines their functions as well as the intellectual, sociological and economical principles and basis of exhibitions in modern and contemporary culture.

The second section is an attempt to define the nature and forms of electronic artworks and the resulting conditions necessary for their exhibition.

The third section is an in-depth analysis of various types of venues, with detailed international examples: common venues for art (museums, galleries), scientific and technological museums, trade shows, "unusual" spaces, dedicated spaces (festivals, centers) and "new" spaces (homes and cyberspace).

The fourth section focuses on the issues of actual presentation of works, including conservation, and the fifth section focuses on the audience (the public, critics, etc.).

In the sixth—and last—section, the authors offer a summary of their analysis of the new requirements for exhibiting electronic artworks—in terms of both material aspects (equipment, sound-proof environment, etc.) and also intellectual aspects (i.e. a new "state-of-mind") and try to design a perspective for the near future.

This survey (<http://www.cyberworkers.com/Leonardo/OLATS/sous-menu/livres.html>), can be viewed on-line (HTML format) or downloaded (RTF format) for further reading.

—Annick Bureau

LEA Volume 6, Number 10

Leonardo Electronic Almanac (LEA) Vol. 6, No. 10 presents Eddie Shanken's article "The House That Jack Built: Jack Burnham's Concept of 'Software' as a Metaphor for Art." This is one of two articles by Eddie Shanken that we are fortunate to be able to feature in LEA <<http://mitpress.mit.edu/LEA/>>. The next one, "Gemini Rising, Moon in Apollo: Attitudes on the Relationship between Art and Technology in the U.S., 1966–1971" will appear in the next issue.

Section Editor: Andrea Blum
E-mail: <isast@well.com>

Also in this issue of LEA Artemis Moroni of Brazil and Jônatas Manzolli provide a profile of their system "AtoContAto," in which electronically modified shoes control visual and sonic material in a performance context. In addition, Patrick Maun presents a new feature in the LEA Gallery, Eugene Thacker's "embody_dissolve," completing a three-part series of works involving "art and the body in cyberspace." This issue also includes commentary by Carl DiSalvo and Tina LaPorta, artists who have presented previous works in the series.

In addition to the usual informative and insightful reviews of books, CD-ROMs, exhibitions and Web sites, Leonardo Digital Reviews is implementing a new column—Intersections with Architecture and New Media—targeted to provide opportunities for extended commentary about current issues.

—Craig Harris

LEA to Host Leonardo On-Line Archive

Beginning in 1999 Leonardo Electronic Almanac (LEA) <<http://mitpress.mit.edu/LEA/>> is to become the long-term archive site for the International Society for the Arts, Sciences and Technology. Beginning with *Leonardo* Vol. 32 (1999) and Leonardo Electronic Almanac Vol. 7, any subscriber to *Leonardo* (individual, student, or institution) can get access to LEA for no extra fee, simply by registering.

Electronic versions of the print journal *Leonardo* will become available via the Online Computer Library Center, Inc. (OCLC) system, which will be integrated into the LEA Web site archive. Material from other Leonardo/ISAST Web sites will link to the LEA archive. People will still be able to subscribe only to LEA if they wish. Effective 1 January 1999, electronic access to LEA, including the listserve ASCII excerpt version, will be access-controlled by subscription. LEA subscribers will be offered a one-year free trial to the on-line OCLC version of *Leonardo*. We will still produce a gratis area on the LEA Web site for people to sample available materials.

We at LEA believe that this transformation will extend our reach into new areas around the world and provide a substantial archive for people who wish to explore the vast and ever-increasing activities in contemporary art and thought.

—Craig Harris

Leonardo/ISAST Elects Two New Board Members

Leonardo/ISAST is very pleased to welcome two new members to its Board of Directors.

Marci Reichelstein has spent 15 years in the high-technology industry in the areas of gross marketing and sales. As a management consultant, Reichelstein worked for Booz, Allen & Hamilton and also had an independent consulting practice. In

this work she launched PC software to achieve best-in-class positions.

Serving as VP of Marketing for several start-up companies, Reichelstein developed overall marketing strategy, spawned business alliances and helped secure investment funding. Working in Vienna, Austria, for IBM's Market Intelligence Team, Reichelstein crafted PC marketing strategy for the high-growth emerging markets of Eastern Europe and Russia. As one of the original employees for Claris Corp. (Apple Computer), she created the company's first direct marketing and market research functions.

Marci Reichelstein holds a Master of Management degree from the Kellogg School of Management, Northwestern University.

E-mail: <mreichel@holonet.net>.

Joel Slayton is a recognized artist, writer and theoretician. He is currently Professor of Digital Media Art at San Jose State University, where he serves as director of the CADRE Institute, an interdisciplinary academic research center. Slayton is the executive editor of SWITCH, the CADRE Institute on-line journal of critical and theoretical discourse. He is also president of C5, a research corporation specializing in theoretical models, analysis and tactical implementations of information technology.

Regarded as a pioneer in digital media, Slayton was an original member of the Visible Language Workshop at MIT. His media installations, performances and print works have been featured in over 100 exhibitions internationally and in more than 50 publications. His recent installation exploring the nature of virtual space was included in "Alternating Currents: American Art in the Age of Technology" at the San Jose Museum of Art, co-curated with the Whitney Museum. In collaboration with C5, Slayton is currently working on a Net art project commissioned for the Walker Art Center. Other recent artworks involve telepresence, surveillance, robotics and site-specific performance.

Slayton is a frequent speaker at major conferences, including ISEA and SIGGRAPH. His theoretical paper, selected for ISEA98, "Purpose of Information: Networks as Art," explores the hyperlogical and autocatalytic nature of network evolution.

Slayton has worked with many Silicon Valley computer corporations including Silicon Graphics, Apple Computer and the NASA Ames Research Center and was selected to participate in the PAIR program at the Xerox PARC Research Center in Palo Alto, California.

E-mail: <joel@well.com>.

A WORD OF THANKS

The Board of Directors of Leonardo/ISAST wishes to thank all who have contributed to Leonardo and/or the Leonardo Endowment Fund.

Recent contributors have included:

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The Leonardo Endowment Fund and the Leonardo Fundraising Program were set up to secure the future of Leonardo, the International Society for the Arts, Sciences and Technology, its awards program and other activities. For more information about donations to Leonardo (tax deductible in the U.S.), please contact Leonardo/ISAST, 425 Market Street, 2nd Floor, San Francisco, CA 94105, U.S.A.

Leonardo/ISAST Headquarters

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Leonardo Music Journal

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European Sister Society

Association Leonardo
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<<http://www.olats.org>>

Leonardo Electronic Almanac

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Benefits of Membership

Artists, scientists, engineers, researchers and others interested in the contemporary arts and sciences are invited to join Leonardo/ISAST. Benefits include reduced rates for Leonardo/ISAST publications, the opportunity to nominate artists for the Frank J. Malina Leonardo Award for Lifetime Achievement, and a forum for reporting and promoting readers' activities. For further details contact Leonardo/ISAST, 425 Market Street, 2nd Floor, San Francisco, CA 94105, U.S.A. E-mail: <isast@sfsu.edu>. Corporate membership also available.

Leonardo, the International Society for the Arts, Sciences and Technology (ISAST), founded in 1981, is a nonprofit organization that seeks to encourage the interaction of art, science and technology. Our 1,000 associate members include artists, researchers, art scholars, educators, students and interested members of the public.

Leonardo/ISAST's journals, books, electronic publications and other projects and activities aim to: (1) make visible the work of artists involved with science or technology and (2) promote the collaboration of artists, scientists and engineers.

Publications

PRINT JOURNALS: The *Leonardo* journals are scholarly peer-reviewed journals of record in the Art, Science and Technology field. *Leonardo*, published bimonthly, is the official journal of Leonardo/ISAST. *Executive Editor:* Roger F. Malina. *Managing Editor:* Pamela Grant-Ryan. *Leonardo Music Journal* with CD is published annually. *Executive Editor:* Roger F. Malina. *Editor-in-Chief:* Nicolas Collins.

ELECTRONIC JOURNAL: *Leonardo Electronic Almanac* (<http://mitpress.mit.edu/e-journals/LEA/>) is a monthly electronic journal available for \$15/year to *Leonardo* subscribers and for \$30/year to non-*Leonardo* subscribers. *Executive Editor:* Craig Harris.

WORLD WIDE WEB: The Leonardo On-Line Web site (<http://mitpress.mit.edu/e-journals/Leonardo/home.html>) publishes articles, galleries, bibliographies, sound samples, the Leonardo Electronic Directory and more. *Executive Editor:* Roger F. Malina. *Managing Editor:* Patricia Bentson.

LEONARDO DIGITAL REVIEWS: The Leonardo Digital Reviews Project, through a panel of reviewers, publishes reviews of relevant books, journals, electronic publications and events. Reviews are published on the Web (<http://mitpress.mit.edu/e-journals/Leonardo/ldr.html>), and selected reviews are published in *Leonardo Electronic Almanac* and in *Leonardo* and *Leonardo Music Journal*. *Editor-in-Chief:* Michael Punt. *Reviews Coordinator:* Kasey Rios Asberry.

BOOKS: The Leonardo Book Series, published by the MIT Press, highlights topics related to art, science and developing technologies. Volumes include *Designing Information Technology in the Postmodern Age*; *Immersed in Technology: Art and Virtual Environments*; *The Leonardo Almanac: International Resources in Art, Science and Technology*; and *The Visual Mind: Art and Mathematics*.

Awards

The Society awards the following awards:

Frank J. Malina Leonardo Award for Lifetime Achievement recognizes eminent artists who through a lifetime of work have achieved a synthesis of contemporary art, science and technology. Winners include Gyorgy Kepes, Nicolas Schöffer, Max Bill and Takis.

Leonardo Award for Excellence recognizes excellence in articles published in *Leonardo*. Winners include Rudolf Arnheim, Otto Piene, Charles Ames, Frieda Stahl, Donna Cox, Janet Saad-Cook, George Gessert, Alvin Curran, Karen O'Rourke and Eduardo Kac.

Leonardo New Horizons Award for Innovation is given to individuals or groups for innovation in new media. Winners include Evelyn Edelson-Rosenberg, Jean-Marc Philippe, Jaroslav Belik, Peter Callas, Patrick Boyd, Christian Schiess, Kitsou Dubois and I Wayan Sadra.

Makepeace Tsao Leonardo Award recognizes organizations or groups that have increased public awareness of art forms involving science and technology, particularly through exhibitions. The first award has been given to La Cité des Arts et Nouvelles Technologies de Montréal.

Collaboration with Other Organizations

The Society frequently collaborates with other organizations and guest editors to publish special issues or sections of *Leonardo*. Past special issues include:

With the New York School of Visual Arts:

Sixth Annual New York Digital Salon,
Leonardo 31:5 (1998)

Fifth Annual New York Digital Salon,
Leonardo 30:5 (1997)

Fourth Annual New York Digital Salon,
Leonardo 29:5 (1996)

Third Annual New York Digital Salon,
Leonardo 28:5 (1995)

With the Inter-Society for the Electronic Arts:
Special Sections in *Leonardo*.

With the Association Leonardo:

The Association Leonardo is a sister organization in France. Projects carried out in collaboration include: L'Observatoire Leonardo des Arts et Technosciences Web site (<http://www.olats.org>), The Space Art Workshops, The Virtual Africa Project, and The Pioneers and Pathbreakers Project.

With Itaú Cultural, São Paulo, Brazil:

Invencao Conference, August 1999, São Paulo

Collaboration with Individuals: Special Projects

Leonardo/ISAST works with guest editors and curators to organize a number of projects that involve collaboration on publications, workshops and conferences. Topics and editors include:

Art and Biology:	George Gessert
Art and Consciousness:	Roy Ascott
Art and Mathematics:	Michele Emmer
Art Education:	Roy Ascott
Artificial-Life Art:	Kenneth Rinaldo
Brazilian Electronic Art:	Eduardo Kac
Design Languages:	Raymond Lauzzana
Intellectual Property Rights:	Curtis Karnow
Space Art:	Roger F. Malina
Synesthesia and Intersenses:	Jack Ox and Jacques Mandelbrojt
Virtual Africa:	Jocelyne Rotily

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Special Thanks

Leonardo/ISAST gratefully acknowledges the special efforts of the following:

Lisa Bornstein
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Classified advertisement rates include publication in the journal *Leonardo* plus immediate posting in the next issue of *Leonardo Electronic Almanac*, an electronic journal posted monthly over the academic networks.

Price: \$8.00 per 42-character line (include spaces and punctuation in character count). Count partial lines and headings as full lines.

Enclose payment (US \$) by check or money order (made payable to *Leonardo*/ISAST) or by credit card (minimum \$20; include account number, expiration date and signature).

Leonardo/ISAST members will receive a 20% discount.

DIGITAL MUSEUM in New York City is SEEKING EARLY DIGITAL ART. The museum wishes to preserve the early history of digital image-making before it all disperses or disappears. The museum is compiling a list of possible donors now. Artists and others who have early digital prints that they would like preserved and would be willing to donate to the museum, please contact: Corinne Whitaker <museum@giraffe.com>.

CREATIVITY & COGNITION 3, 1999. Intersections and Collaborations: Art, Music, Technology and Science. <<http://bashful.lut.ac.uk/cc99/>>. CALL FOR PARTICIPATION. PLEASE NOTE REVISED SUBMISSION DATE. In October 1999, Creativity and Cognition 3, an ACM SIGCHI International Workshop, will take place at Burleigh Court, Loughborough University in Loughborough, England. Proposals for the presentation and demonstration of collaborative ventures between artists, composers, scientists and technologists are invited. The aim is to explore how the different viewpoints and languages of art, music and science have influenced or informed one another. Collaborative explorations which have, in some way, moved beyond the existing technology and led to new ways of working are especially welcome.

IMPORTANT DATES: The event: 11–13 October 1999. Deadline for submissions: 26 March 1999 - 5 PM local time. Notification of acceptance: 28 May 1999. Final copy for proceedings: 25 June 1999 - 5 PM local time.

Event proposals and paper submissions should be sent to the Program Chair: Linda Candy. E-mail: <L.Candy@lboro.ac.uk>. Direct line: +44 1509 222328. LUTCHI Office: +44 1509 222789. Fax: +44 1509 610815.

Creativity and Cognition 1999 International Workshop, LUTCHI Research Centre, Loughborough University, Ashby Road, Loughborough, Leicestershire, LE11 3TU. U.K.

2nd INTERNATIONAL WORKSHOP ON STRATEGIC KNOWLEDGE AND CONCEPT FORMATION 20–22 October 1999. Venue: Iwate Prefectural University, Japan. For information: <<http://www.hamid2.soft.iwate-pu.ac.jp/skwshop>>. The theme of the workshop will be strategic knowledge and concept formation in design. The emphasis will be on relevant issues in computer-based design support. This is the continuation of the SKW'97 workshop held in Loughborough, U.K., in 1997. Deadline for papers: 1 April 1999. Notice of acceptance: 1 June 1999. Send final copy: 1 August 1999 to: Professor Koichi Hori, RCAST, University of Tokyo. 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, Japan. Fax: +81 3 3481 4585. E-mail: <hori@ai.rcast.u-tokyo.ac.jp>.

KEO: THE ARCHEOLOGICAL BIRD OF THE FUTURE. The KEO project seeks to build a spacecraft that will return to earth in 50,000 years. The project seeks help from collaborators to bring the project about, as well as messages from individuals that they wish to have included in the KEO spacecraft archive. For information: <<http://www.keo.org>>.

DAVID BERMANT COLLECTION: The David Bermant Collection of technological artists is documented at this website. Artists include Nam June Paik, Marcel Duchamp, George Rods, James Seawright and others. The David Bermant Foundation also makes student grants to technological artists. See <<http://arts2.ucsb.edu/bermant>>.

QUANTUM-MIND DISCUSSION LIST: Enigmatic features of both quantum mechanics and consciousness have led to a number of proposals that suggest links between the two. Some have proposed quantum effects in the brain, while others have suggested a role for consciousness in the interpretation of quantum mechanics. The advent of quantum information technology (quantum computation, quantum cryptography, etc.) promises inevitable further connections. Quantum-mind (quantum-mind@listserv.arizona.edu) is a moderated e-mail discussion of quantum approaches to consciousness. Submissions are evaluated by co-moderators who include Lawrence Crowell, Robert Flower, Gordon Globus, Stuart Hameroff, Rhett Savage, Erick von Schweber, and Saul-Paul Sirag. They endeavor to present relevant, rigorous, and succinct postings, and will sometimes comment. Skeptical criticism is welcome and appreciated. Quantum-mind postings are archived at: <<http://listserv.arizona.edu/lsv/www/quantum-mind.html>>. Quantum-mind is sponsored by Consciousness Studies at the University of Arizona and the Intuition Network. To subscribe to quantum-mind, send an email message to: <listserv@listserv.arizona.edu>. The message should read: subscribe quantum-mind yourfirstname yourlastname.

TOWARDS A SCIENCE OF CONSCIOUSNESS: The Center for Consciousness Studies at the University of Arizona has a number of projects including the bi-annual "Towards a Science of Consciousness" conference (next conference is 10–15 April 2000). The center also presents awards for research, including artist-based research. For more information see <<http://www.consciousness.arizona.edu>>.

FAUST: ANNUAL FAIR. VIIème Rencontres pour Ouvrir le XXIème Siècle. Mind and Machine in the Creative Design Process: What Is Man's Role? For more details on this annual fair, contact one or both of the organizers: Mario Borillo, founder of the Rencontres Institut de Recherches en Informatique de Toulouse, CNRS, UPS, INPT. E-mail: <borillo@irit.fr>. Jean-Pierre Goulette, Ecole d'Architecture de Toulouse. E-mail: <goulette@irit.fr>.

CAiiA-STAR is a research platform that integrates two centres of doctoral research: CAiiA, the Centre for Advanced Inquiry in the Interactive Arts, at the University of Wales College, Newport, and STAR, the centre for Science, Technology and Art Research, in the School of Computing, University of Plymouth. Led by Roy Ascott, the doctoral research programme is innovative, enabling supervision to be conducted both online and onsite. For application forms and details of fees for online and onsite programmes: STAR: E-mail Carole Watson <carole@soc.plym.ac.uk> to enroll through STAR at the University of Plymouth; CAiiA: E-mail Richard Jeans <r.g.jeans@newport.ac.uk> to enroll through CAiiA at the University of Wales, Newport.

EXPERIMENTAL INTERMEDIA VZW, a newly formed arts organization, recently presented its initial exhibition, entitled "Projections: Real, Virtual or Otherwise." The exhibition included work by Harold Kubiczak, Maria Blondeel, An Van Exe, Jens Brand and Ludo Engels. For details on the organization contact Experimental Intermedia VZW, Sassekaai 45, 9000 Gent, Belgium. Fax: 32-9-217-77-56. E-mail: <102011.1400@compuserve.com>.

"**TURN THE SOIL**" is a touring exhibition of work that explores what Australia might have been like if it had been colonized by someone else. It explores 10 different scenarios, such as contact with ancient Phoenicians or with a Pacific Slavic base. Your online contributions and requests for citizenship are most welcome. Visit <<http://www.lexicon.net.au/~craftvic/soil.html>>. For more information, contact curator Kevin Murray at <kmurray@werple.net.au>.

THE NEWLY OPENED INTERNATIONAL ACADEMY OF MEDIA ARTS AND SCIENCES (IAMAS), located at Keio University's Shonan Fujisawa Campus in Ogaki City, Gifu Prefecture, Japan, provides training for creators and artists in the field of multimedia. Two studio courses are available for undergraduate students, and an Art and Media Lab course is available for graduate students. For more information, contact Itsuo Sakane, IAMAS, 3-95, Ogaki City, Gifu Prefecture, Japan 503. Fax: 0584-75-6604. E-mail: <sakane@iamas.ac.jp>.

THE LEONARDO SPACE ARTS WORKING GROUP announces the opening of its French-language World Wide Web site, featuring documentation of the Artist as Space Explorer and the SpaceArt—EarthArt workshops. If you are interested in participating in the work of the group, send e-mail to <leo@mitpress.mit.edu>.

ARTISTS' TELEVISION ACCESS, a non-profit media facility, needs donated equipment. We serve the independent media community, offering the cheapest editing rates to artists in San Francisco. If you have gone from linear to digital equipment and have a Time Based Corrector to donate, please contact Molly at Artists' Television Access at 415-621-4044. Donations are tax-deductible.

SYMMETRY BOOKS

Two volumes are available: (1) I. Hargittai and M. Hargittai, *Symmetry: A Unifying Concept* (Shelter Publications, 1994; 2nd Printing, Random House, 1996). ISBN: 0-679-76945-5. To order, send a check for \$18 plus \$3 shipping (add \$1.30 sales tax in California) to Shelter Publications, P.O. Box 650, Bolinas, CA 94924, U.S.A. (2) I. Hargittai and M. Hargittai, *Symmetry through the Eyes of a Chemist*, 2nd Edition (New York: Plenum, 1995). Softcover: ISBN: 0-306-44852-1 (\$39.50; outside N. America, \$47.40); hardcover: ISBN: 0-306-44851-3 (\$85.00; outside N. America, \$102.00). Send orders to Plenum Publishing, 233 Spring Street, New York, NY 10013-1578, U.S.A.

THE ARS ELECTRONICA CENTER has opened in Linz, Austria. The museum includes a Cave Automatic Virtual Environment, Cyber City installation, and a Knowledge Net learning area. Associated activities include the Ars Electronica Festival, the Prix Ars Electronica and the Ars Electronica Future Lab. Full information can be obtained at <http://www.aec.at>. Contact: e-mail: <info@aec.at>.

ART & SCIENCE COLLABORATIONS, INC. ASCI is a members' non-profit organization based in New York City whose mission is to champion interactive, kinetic and technology-based art and to encourage collaborations between the art and science communities. To support this effort, ASCI is devoted to providing access to technical information/assistance/resources; constructing a mutually supportive network; and creating opportunities to build public awareness and appreciation through public exhibitions, publications and presentations. Contact Cynthia Pannucci, ASCI, P.O. Box 358, Staten Island, New York, NY 10301-3224, U.S.A. Tel: 718-816-9796. Fax: 718-815-1613. E-mail: asci@fly.net. WWW: <http://nttad.com/asci>.

CALL FOR PAPERS: HUMANITIES AND TECHNOLOGY

The Humanities and Technology Association seeks to examine the interface between the humanities and science/technology. The association has issued a call for papers for its peer-reviewed journal *Humanities and Technology Review*. Information: P.O. Box 5064, Tennessee Technological University, Cookeville, TN 38505, U.S.A.

CALL FOR BIBLIOGRAPHIES TO BE POSTED ON LEONARDO ON-LINE

(<http://mitpress.mit.edu/Leonardo/home.html>). Leonardo On-Line is calling for submission of bibliographies and reading lists to be posted on the WWW site. We are seeking bibliographies and reading lists of interest to our art/science/technology audience. Types of lists might include (but not be limited to) reading lists for classes and courses, which might be of interest to other educators; detailed bibliographies on a specialized topic (e.g. on Art and the Internet); a bibliography of a single author of interest to our readership. If you are interested in having a bibliography or reading list added, you may either e-mail it to leo@mitpress.mit.edu with a request that it be posted, or you may provide us with the URL for an existing bibliography and we will point to it. We hope this new resource may be of use to our readers.

SAN FRANCISCO STATE UNIVERSITY'S CONCEPTUAL INFORMATION ARTS PROGRAM

offers studio courses that integrate theoretical studies on topics of culture, new technologies and art as research. Examples of course titles include: Conceptual Strategies; Robotics and Electronics; Interactive Media and Conceptual Art; Biological Systems; Explorations in Word and Image; Practice and Theory in Emerging Technologies; Computer Programming and Narrative; Telecommunications-Based Art. Professors include Stephen Wilson and George LeGrady. Undergraduate and graduate (MFA) students are invited to apply. See the program's web site at <http://userwww.sfsu.edu/~infoarts>. Contact: Stephen Wilson, Conceptual/Information Arts Dept., San Francisco State University, San Francisco, CA 94132. Tel: 415-338-2291. E-mail: <swilson@sfsu.edu>.

MEMBERSHIP BENEFIT FOR LEONARDO/ISAST MEMBERS.

As a Leonardo/ISAST member you may receive our electronic journal *Leonardo Electronic Almanac* for \$15 annually. (Price for non-members is \$30.) Send e-mail on Internet to <journals-orders@mit.edu> and send news (50 words) of your professional activities to <leo@mitpress.mit.edu> for publication.

FOR INFORMATION ON INTERACTIVE STUDY AND DOCUMENTATION ON MULTIMEDIA,

contact Rudy De Waele, Rue Rosendaelstraat 146, 1190 Brussels, Belgium. Tel/fax: 00 32 (0)2/346 65 01. E-mail: <isdsm@innet.be>; <http://www.innet.net/brussels-arts/ISDM.html>.