

Artists Using Science and Technology

PO Box 749, Orinda CA 94563

Ylem (Eye-lum): The primordial stuff out of which the universe emerged in the Big Bang.

©1990 Ylem Vol.10, No. 6 July 1990

Ylem Picnic and Computer Music Tur

June 23, Saturday, 12-5 pm
Mills College Music Building

We will meet at the Music Building by the pond (500 yards inside the gate on the right), and eat at a nice grassy spot. At 2:30, Phil Burk, researcher at the Center for Contemporary Music there, will delight us with Moog synthesizers and weird new sounds from their new digital synthesizer. He'll demonstrate the HMSL music software he writes. For a good party, bring your picnic + something to share (food, pictures of your art), and a blanket (there are no tables). Burk appreciates knowing how many are coming, so RSVP to Trudy: 415-856-9593

P. Reiser
Computer Music Association 6-8
1000-2000 mths (week)
Roger & Beverly
1992 San Jose
November '92

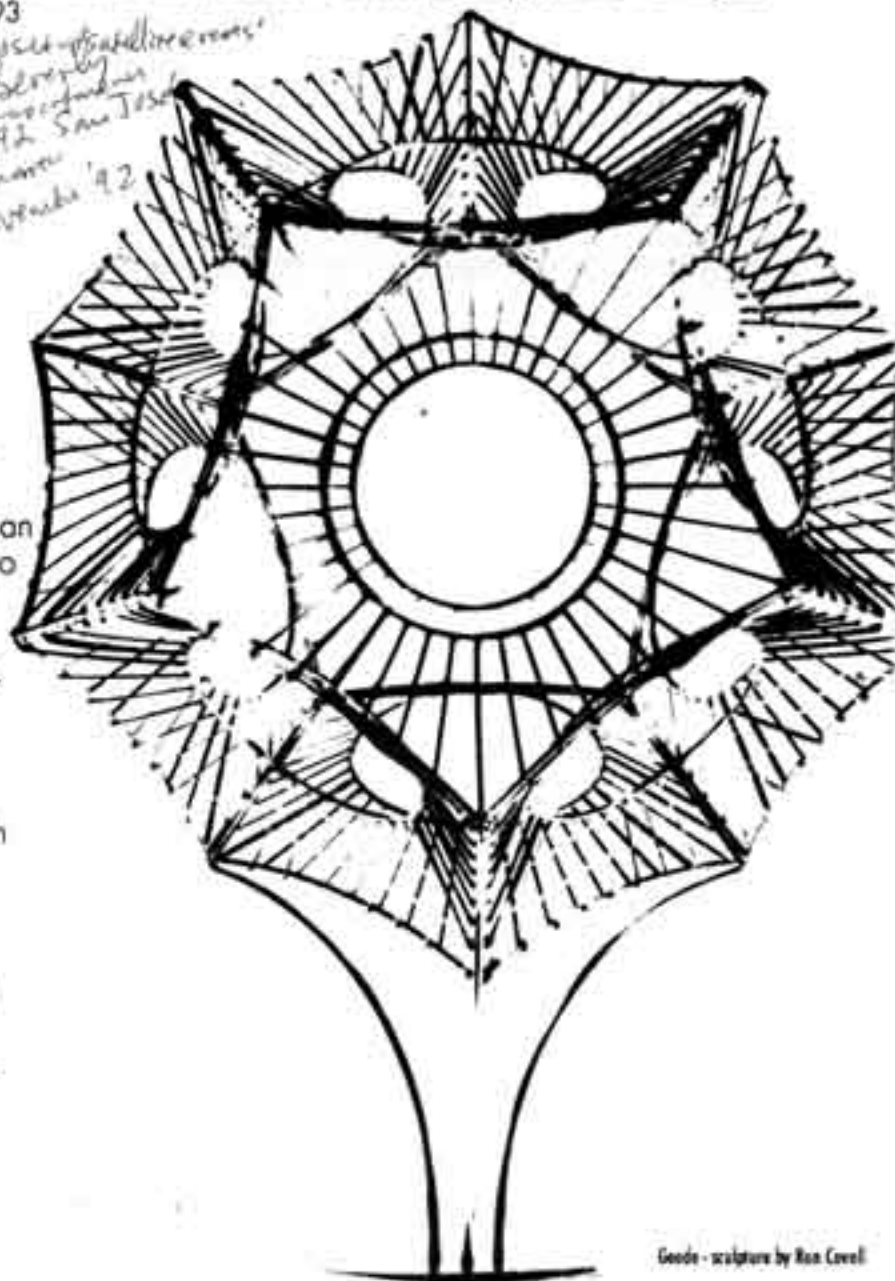
July 18 Ylem Forum: Tech Fun

July 18, Wednesday, 8 pm
McBean Theatre and Lobby
The Exploratorium, 3601 Lyon St., San Francisco
Museum admission: \$3 adults, \$1.50 children.
Forum is free.

This Forum on Wednesday night when the Exploratorium is open, is drop-in and interactive like the rest of the museum. Also an opportunity to bring your art, including video art to share. Everyone will have to pay museum admission, but the Forum is free, and all the museum exhibits will be on, too.

In the Lobby: Interactive Amiga display by Marjorie Franklin and Bev Reiser, kinetic sculptures by Jerome Kirk and Ken Herrick, chaotic marbled cloth demo by Trudy Myrrh Reagan, 3-D photography by Gunnard Timmons.

In the Theatre: 5-minute segments from videotapes by Ylem members. Bring yours! We'll conclude with Ylem: Artists Using Science and Technology created for cable TV.



Geode - sculpture by Ron Covel

War on Imagination by Trudy Myrrh Reagan

A recent book review by Salman Rushdie begins: "Of all the opposed pairs of ideas by which human beings have sought to understand themselves, perhaps the oldest and deepest-rooted are the eternally warring myths of stasis and of metamorphosis. Stasis, the dream of eternity, of a fixed order in human affairs, is the favorite myth of tyrants; metamorphosis, the knowledge that *nothing holds its form*, is the driving force of art."

Friends of mine who felt all along that the federal government had no business funding the arts are not surprised that it is under attack. But why now? In 1981 when budget analyst David Stockman proposed cutting NEA funds art supporters deluged Congress with letters. "We were called barbarians," Stockman said, "We got cut to pieces, for peanuts!" One way the Endowment escaped criticism was that the highly-qualified boards used fair procedures to select candidates of high caliber. 80,000 cultural projects have been helped in the last 25 years.

Now that Jesse Helms has framed a vote for art as a vote for pornography, mail has been running 40:1 in favor of restrictions on art, and for more local control. Last year the NEA began to require artists it funds to pledge not to

create art that might later be judged pornographic. NEA-funded galleries must reject such art.

But who judges? In May the San Francisco studio of a reputable professional photographer, Jock Sturges, was raided by the FBI who confiscated thousands of negatives and photographs by Sturges and his studio mate, as well as computer equipment. This, because the development lab judged some informal shots he took at a nudist colony to be child pornography.

Just as the sixties were a war on stasis and conformity, today we see a war on metamorphosis and imagination. In Redondo Beach, CA, parents tried to remove a state-approved anthology, *Impressions*, from their schools, one that offered unusual and stimulating classics for English.

All over the country libraries, schools, and the arts are under attack by well-organized ultra-conservatives. Their fervor may be a reaction to the stress of modern life, which will only increase if national and international problems become messier. However, in such times we will need the arts more than ever. The Chilean author, Isabel Allende writes: "The oppressors can't appreciate the beauty, but they know there is a mysterious power in art. What is that

power? Art is a mirror where reality is reflected in a magic way. Often we can't see and understand our own reality until it is reflected in that mirror."

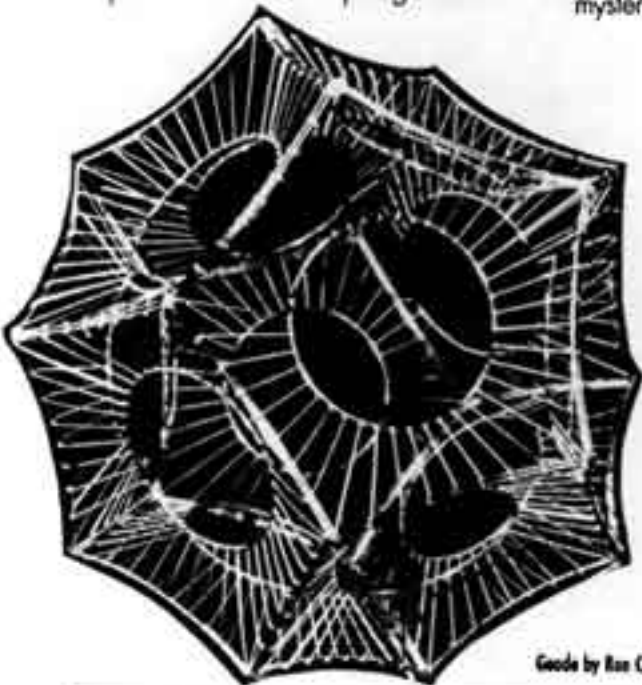
If reactionaries get their wish to restructure the NEA, giving grants to state governments that are more vulnerable to various pressures, large changes could happen fast. For example, the genius of the NEA has been reliance on matching grants to arts organizations. These encouraged corporate donations to arts groups, thereby leveraging taxpayers' money severalfold. The road down will be steep indeed if not only federal money is withdrawn, but a chill on corporate giving begins. Doors will close to community galleries, artists will have few places to show, and curators will be driving catering wagons.

The five-year reauthorization for the NEA will be voted about July 1, so there is still time to write key congresspersons. The basic message: "Please support the President's proposal to maintain full NEA funding without content restrictions." Or call **Western Union 1-800-257-4900**, and request "**Save-the-Arts Hotline Number 9681**" and authorize a pre-written telegram. Until it passes, the \$171.25 million funding for next year is on hold.

Senate Subcommittee on Ed., Arts & Sciences: Democrats: Claiborne Pell RI, Howard Metzenbaum OH, Spark Matsunaga HI, Chris Dodd CT, Paul Simon IL, Barbara Mikulski MD. Republicans: Nancy Kassebaum KS, Thad Cochran MS, James Jeffords VT, Orrin Hatch UT, Strom Thurmond SC.

Especially write your own congresspersons. For more details, contact: Coalition for Freedom of Expression, 1805 Divisadero St., San Francisco, CA 94115; David Gerstein, 415-558-8129. It is organizing the Festival of Freedom of Expression in the Bay Area (see Events).

Artists need to be activists to counter these well-focused attacks, not just for this battle, which we may lose, but for the next several years.



Goode by Rae Covell (sculpture)

Recalibrations by Walter Alter

One of a series

What we presently enjoy as technological progress has, up to this point, been essentially a spinoff from military research and development (R & D). National destiny has heretofore required the motive of threat to unify and drive science. With the easing of Cold War tensions, technology can be harnessed more directly to global human needs. The technology to solve current global problems is extant but will only be effective for the next generation. Therefore we must push science into ever more efficient applications. The exploration of space is absolutely vital in this regard.

Aircraft design, much of it developed by the military, offers an interesting example of an innovation that alters how other problems are solved. The leading edge of media research is currently to be found in the field of aircraft cockpit instrumentation display. Whenever you have two systems in relative motion which are mutually interdependent (aircraft/ground) the requirements for rapid information updating rise exponentially mainly as a function of the increase in velocity. Necessity dictates accuracy, i.e. a high volume of data or flux density. The flux density of information must be greater than the potential for disaster. These lessons can be applied to everyday life wherein the velocity and instability factors are less, but the simultaneity factors are greater. The key remains information throughout density. A model of a governmental economic policy, for example, can be "flown through" the affected social frameworks in a flight-simulator-type laboratory. In education, a student could fly him/herself through a knowledge landscape at his/her own learning rate. Information density is conceptually akin to velocity from a relativistic standpoint. The more of it that pours through your perceptual field, the faster you are going.

Interactive computer Education setups are a developmental phase of computer games and midpoint within a continuum of low-end entertainment and high-end R & D. Tele-synthetic reality, virtual space imaging and allied tactile-referent systems were R & D projects at NASA just five years ago. Now they represent the exotic hi-end of computer diversions and signify the final curtain call of the world of entertainment as we know it. Initially Cinerama-type roller coaster rides will be made commercially available from centralized distribution points. Autonomous programmers, aided by breakaway R & D, will eventually permit the spectator to insert him or herself into any 360° mapped space and allow wandering through the space at will. 3-D memory storage will allow a great deal of image resolution. Huge areas of the desert will be set aside so that virtual space wanderers will be able to move freely in their dream goggles without tripping over the furniture.

Ylem News

Ylem video we made for cable TV is a finalist out of 2,000 entries in the Hometown USA Video Festival. Prizes will be announced July 26. Kudos to all, including producer Trudy Myrrh Reagan and editor Ken Jenkins. (Readers can obtain their own copy of the tape: see box on back cover).

Please respond to the insert about our third *Artists Using Science and Technology Directory*. Let's make it an outstanding production, not only for our sakes, but to help those in the community who want to show more of this type of work. The fee makes this Ylem activity self-sustaining. You can deduct it on your income tax as advertising.

Hopscotch by Tarvy Dean (computer)

HOPSCOTCH

YLEM July 1990



Ylem Calendar

Needs & Offerings

All events are in San Francisco Bay Area unless otherwise specified.

June 15-17

Nature Sounds Society Field Recording Workshop

Demonstrations, workshops, field recording opportunities, plus recordings from around the world. \$130. S.F. State Univ. Field Station at Yuba Pass in the Sierra Nevada Mtns. Nature Sounds Soc., The Oakland Museum, 1000 Oak St., Oakland, CA 94607; Paul Matzner, 415-273-3884

Opening June 16, 4 pm

First Int'l FAX Art Biennial (Liechtenstein)

(See Opportunities for how to send your art). Tangente, Haldengasse 510 FL-9492 Eschen, Liechtenstein

June 27, 6-9 pm: Grand Opening

Rincon Hill Spectrum

A New Art & Event Space in a spectacular newly-renovated building will be showing museum quality art in all media, with emphasis on Bay Area & CA artists (see Exhibits). Completely equipped stage, catering facility. Spectrum, 511 Harrison St., San Francisco CA 94105; 415-512-8888

June 22-July 4

Festival for Freedom of Expression

Still in the planning stages. Participation welcome. Contact: Coalition for Freedom of Expression, 1805 Divisadero St., S.F., CA 94115; David Garstein, 415-558-8129

June 23

Ylem Picnic and Computer Music Tour

(See front page)

June 23

Survival Research Labs (Seattle)

Spectacularly large, violent, noisy happenings with machines. The lab has added some new monsters, including riot robots that exhibit mob behavior. Info: Survival Research Labs, 415-641-8065

June 28, 3-18 pm

2 π Day

Bring π to eat! A project of Ylem member and Exploratorium physicist Larry Shaw. The π Shrine on the Mezzanine, Exploratorium, 3601 Lyon, S.F. 94123; Larry, 415-561-0367

July 4th, 12:00 noon

49 Mile Psychotic Road Rally

Motorcade of auto art in which folks relocate old seagull signs around San Francisco. Prizes for best hand-modified cars. Begin at parking lot behind California Cafe, 50 Broadway, S.F.; info: 415-685-0351

July 7, 7:30-11:30 pm

Neon Cruise (Los Angeles)

See classic movie marquees, contemporary neon art, innovative electrical advertising. "The best lit secrets in L.A." Reserve early! Another tour Aug. 18. Museum of Neon Art, 704 Traction Ave., Los Angeles, Ca 90013; 213-617-0274

July 8-13

Infrared Technology XVI Conference, San Diego, International Society for Optical Engineering, Aryn Whitewolf, 206-676-3290

July 18

Ylem Forum

(See front page)

July 23-27

Video Expo Chicago

Knowledge Industry Publications, Inc., c/o Debbie Rotolo; 800-248-KIPI, 914-328-9157

Organize an Ylem event and put it in the Calendar! It can be a pot-luck, techno-jam or anything that sounds fun. The "Ylem - Artists Using Science..." gets you in the door of hi-tech labs and companies, so organize a tour! If you need the newsletter to publicize it, in general we need a month's notice. (See back page for newsletter submission info).



Shell - computer art by Lucia Grossberger

Help Ylem Newsletter and Learn Desktop Publishing

Because the newsletter's graphic designer, Russell Reagan, is in Europe for an extended period, your help is welcome. Collaborating on this activity is fun, and you acquire beautiful examples for your portfolio. Editor prefers helper who can come to Palo Alto. Call Trudy, 415-856-9593

June 27, 7-9:30 pm

June 28, Field Trip

A Career in Video—

Getting your Foot in the Door

A workshop about setting goals and getting work in the tightly-knit San Francisco video scene. \$40. Bay Area Video Coalition, 1111 17th St., San Francisco, CA 94103; 415-861-3282, FAX 415-861-4316

July 20, 7-10 pm, July 21, 10-6 pm

Introduction to Interactive Computers

Learn to use videodisc player with a computer and a television monitor for multi-layered presentation. Of use to artists and educators. \$125. Bay Area Video Coalition, 1111 17th St., S.F., CA 94103; 415-861-3282

Aug 11, 10-6 pm

Amiga and Video, A professional Intro

Using the Amiga computer as a post-production tool. \$125. Bay Area Video Coalition, 1111 17th St., San Francisco, CA 94103; 415-861-3282

Aug 13, 14; 6:30-9:30 pm

Deluxepoint III: Hands-on Painting

Use this software for storyboards, logos, animation, and titles. \$125. Bay Area Video Coalition, 1111 17th St., San Francisco, CA 94103; 415-861-3282

Ongoing Classes in Holography (Toronto)

Photon League is a non-profit, artist-run facility offering classes in techniques and aesthetics. Photon League, 110 Sudbury St. #8, Toronto, ONT, Canada M6J 1A7; 416-531-7087

Cover: Ron Covell

Geode was completed in 1990, and results from Ron Covell's work in transforming primary geometric shapes into net-like constructions of stainless steel wire. The piece is 17 X 17 X 21 inches high.

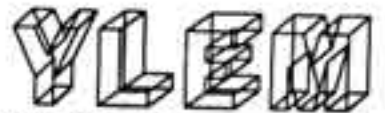
Covell is currently entering competitions for public sculpture commissions.

The Ylem : Artists Using Science and Technology Video Show, July 18, 1990

1. *3-D Animation* by Apple Advanced Technology Graphics Software Group (Includes Ylem member Ken Turkowski).
2. *Digital Mudra* by Sonya Rapoport. This conceptual artist uses computers and an installation to acquaint people with some ancient knowledge.
3. *Illumination* by Ken Jenkins. Ethereal abstract video art combined with space music.
4. *Five aspects of Computer Art* by Trudy Myrrh Reagan and Ken Jenkins shows the work of many computer artists in Ylem in 1985.
5. *Light Fan* by Ron Pellegrino. The graphics are created by sound! The sounds are created by MIDI (Musical Instrument Digital Interface) devices, the graphics by Light Fantastic software being developed by Pellegrino.
6. *Interactive Environments* by Lucia Grossberger features her current computer art works that involve the viewer.
7. *Permutations* by Lucia Grossberger, music by Jaron Lanier. Done in 1982, when personal computers with paint programs and sound capabilities were first available to the public. (Jaron Lanier is now on the cutting edge of "virtual reality" computer programming).
8. *Solar Spectrum* by Martha and Alex Nicoloff.
First, two musical numbers by William J. Seidman. Then kinetic light paintings with the sun's spectrum (compressing 6 hours into two minutes) by time-lapse photography.
9. *Video Sketchbook* by Nancy Frank. This early work features found images.
10. *Imagine* by Telecosom (Pat Feary, Creative Director). Two versions of a public service announcement about world government with children from several countries.
11. *Ylem: Artists Using Science and Technology* by Trudy Myrrh Reagan and Ken Jenkins features Ylem members in many media, 1989. It was made for cable TV, and could be rented at low cost to a station near you.

Lobby Displays:

1. Holographic Institute, Petaluma (holograms).
2. Jerome Kirk (kinetic sculpture)
3. Marjorie Franklin (interactive computer art)
4. Gunnard Timmons (3-D photography)
5. Ken Renaldo (electrical sculpture)
6. Ken Herrick (electro-mechanical and neon sculpture)
7. Jonathan Quintin (geometry in paradoxical motion)



Artists Using Science and Technology
PO Box 749, Orinda, CA 94563

Exhibits

Through June 17

Portraits of the Future

Works produced on Sun Workstation by Magi Bollock, Art director and engineer for hypermedia at Sun Microsystems. Gordon Biersch Brewery Restaurant, 640 Emerson Palo Alto, CA 94301; 415-323-7723

Through June 17

R. Buckminster Fuller (New York)

Harmonizing nature, humanity, technology and art. World premier of an exhibition of works by Buckminster Fuller, the first in a series of events in 1990. Bard College, Annadale-on-Hudson, NY 12504; Info: Danielle Woerner, 914-758-7411

June 20-September 1

New Decode, New Space, New Art

Features eleven artists across the contemporary spectrum in a new gallery. Rincon Hill Spectrum, 511 Harrison St., San Francisco CA 94105; 415-512-8888

Through June 1990

Subway Obscura (New York)

A mixed-media installation with camera obscura by Joel Katz. The camera focused on the Municipal Building brings an image of street level activity down into the subway. Brooklyn Bridge/City Hall Subway Station, #6 Line, New York City

Through June 22

Holography (New York)

Holograms of letterforms form new ideas. Holography Museum, 11 Mercer Street, NY NY 10013; 212-925-0581

June 22 - July 24

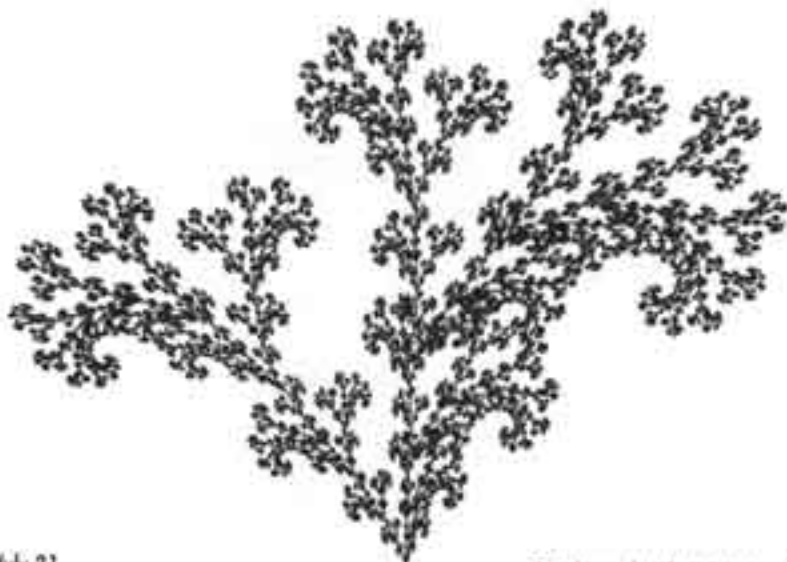
Against All Odds

An exhibit protesting censorship in the arts, for "agencies fearing the loss of funding are removing or cancelling exhibits that are potential threats to their fiscal health. The question of artistic merit is taking a back seat to financial concerns." Installation & video, painting, sculpture by three artists. Arts Council of San Mateo Co. Gallery, 1219 Ralston, Belmont, CA 94002; 415-593-1816

June 23-24

Molecular Modeling

Temporary interactive display. Advanced computer graphic representations of proteins in the AIDS virus that can be rotated. Created at UCSF on Silicon Graphics equipment. Exploratorium, 3601 Lyon, San Francisco 94123; 415-563-7337



Fractal image by Mike McGuire (computer)

June 25 - July 21

Reception, June 30, 5:30-8 pm

Between Chaos and Order

Fractal graphics and photographs by Ylem member Mike McGuire. His images have an enlivening tension between simplicity and complexity. Gallery House, 538 Ramona Street, Palo Alto, CA 94301; 415-326-1669

Through June 30

Visions (Portland, OR)

Computer art by 3 artists, including Daria Barclay, director of Abaci Gallery. Note new gallery hours: 1st Thurs. 11 am-8 pm & by appt. Abaci Gallery of Computer Art, 312 NW 10th St., Portland, OR 97209; 503-228-8642

Through June 30

Watercolors, Mixed Media, & Computer Art (Portland, OR)

Emily Young, professor of art at Portland State Univ., selected as art educator of the year, shows her work, some created on the Macintosh. Portland Cable Access, 2766 NE Martin Luther King Blvd., Portland, OR; 503-288-1515

July 12 - Aug. 25

Computerworks: Sequential Images (Washington DC)

Ylem member Nancy J. Freeman shows video, real-time animation, large mixed-media wall pieces, and books. Media Gallery, Washington Project for the Arts, 400 7th Street NW, Wash., DC 20004

May 1 - July 29

L.A.S.E.R. 10th Anniversary Exhibit

Laser Arts Society for Education and Research (L.A.S.E.R.), a society celebrating its 10th year, will show work of members from three countries. Holos Gallery, 1792 Haight St., S.F., CA 94117; 415-221-4717

Through Aug. 25

Microcosms by Helen Cohen; Electric Avenue (Los Angeles)

Two very different shows at Museum of Neon Art, 704 Traction Ave., L.A., CA 90013; 213-617-1580

Through Summer

Kenneth Snelson: The Nature of Structure (Washington, DC)

Sculpture and computer modelling by Ylem member Kenneth Snelson based on 30 years of pondering atomic structure. National Academy of Sciences, 2101 Constitution Ave. NW, Wash., DC

Through September 16

Rube Goldberg vs. The Machine Age

Did you know that Rube Goldberg was from San Francisco? An exhibit of his wacky cartoons, and big 3-D Rube-Goldberg devices by seven artists. Exploratorium, 3601 Lyon, S.F. 94123; 415-563-7337

Through Oct 30

Pangaea (New York)

A new bronze by Rhonda Roland Shearer, a huge openwork cube with tropical growths, commemorates Earth Day. It can be found on the tropical traffic island at 23rd Street between 5th Avenue and Broadway, New York City

Science Exhibits by Ned Kahn

Turbulent Orb, a large rotating sphere full of blue liquid that shows fascinating fluid motion patterns is on now display at The Exploratorium. His tallest Tornado is housed in a room of blue stained glass at the New York Hall of Science, (but is not always turned on, so ask).

Opportunities

Do it June 12-16!

First International FAX Art Biennial

Mail art is out, FAX art is in! (World-wide participation for the Second Biennial in 1992 will be enhanced if you include your full address with your FAX art). Tangente, Haldengasse 510, Liechtenstein; FAX from USA: 01141/75/32817

Deadline June 29

Flag

To preserve the flag for free discourse of the people 50 artists will be selected to show a work at Walter/McBean Gallery. No fee. Submit: slides, photos, VHS video, or proposal. PROS: FLAG, San Francisco Art Institute, 800 Chestnut St., S.F., CA 94133

Deadline June 30

1st. Annual New Video Festival

Animation, computer art, experimental, music, 3/4" and VHS. Rose City Community TV, Mary Avalon, 3500 SW Bond, Portland, OR 97201; 503-243-7458

Deadline July 1

Lightstrokes

Artists who worked with Richard Greene's "Lightstrokes" equipment at the Exploratorium are invited to participate in an exhibit there. (On this device one draws with water, which becomes an image on the computer). Exploratorium, 3601 Lyon, S.F. 94123; Larry Shaw, 415-561-0367

Deadline July 5

Macworld Macintosh Masters Contest

Substantial hardware and software prizes. Fine art, illustration, tech. illus./rendering, 3-D/ image synthesis, animation/video, graphic design, etc.. Send desc. of how each piece was produced. Macintosh Masters, Mac World, 501 2nd St., San Francisco, CA 94107; 415-978-3176

Deadline July 5

Experimental TV Center

Five-day residencies in video image processing. Amiga computer, colorizers, keyers, frame buffer incl. Send resume, project description (describe how image processor is relevant to it), 3/4" or VHS tape, SASE, and preferred calendar dates. Experimental Television Center Ltd., 180 Front St., Oswego, NY 13827; 607-687-1423

Deadline July 16

Downtown Community TV 1990 Video Festival Sept. 10-12

Tapes should "derive their primary impetus from a thoughtful cultural, social, and political awareness." No fees. 3/4", 1/2", video 8. Some tapes will be aired on Manhattan Cable. Downtown Community TV Center, 87 Lafayette St., New York, NY 10013; 212-941-1298

Deadline August 15, 1990

NCGA '91 Call for Abstracts

Speakers and tutorial instructors sought in Visual Arts, Design, and Animation for conference April 22-25 in Chicago. Submit application and 500-word abstract to: NCGA '91 Education Coordinator, 2722 Merrilee Drive, Suite 200, Fairfax, VA 22031; 703-698-9600 ext. 333 FAX 703-560-2752

Innovative Design Fund.

Awards up to \$10,000 for fabrication of prototypes of original designs of clothing, furnishings, and/or textiles. (How about a vertiginous fractal rug?) Send letter describing object/design, schematic drawing, other visual, est. budget, SASE to: Innovative Design Fund, 866 United Nations Plaza, New York, NY 10017; 212-759-8544

Visual Studies Workshop

This group focuses on publishing artists' books, but also has a Media Center for independent film/video and multimedia installations. Send letter of interest, resume, names of 3 references to: Visual Studies Workshop, 31 Prince St., Rochester, NY 14607; 716-442-8676

The Third Dimension and Beyond

Exhibit in Jan. 1991 of computer art concentrating on multi-dimensionality, physical space, movement and time. Can include small installations, work stations, sculptures, and single channel videotapes. Send slides, videos (VHS preferred), resume and SASE to: Laura J. Hoptman, Curator, Bronx Museum of the Arts, 1040 Grand Concourse, Bronx, NY 10458; 212-681-6000

Articles on Contemporary Issues in Video and Film Art Sought

"Provocative and readable articles only!" Proposals can be a paragraph or phone call. Final length: up to 2,000 words. Aug. 20 theme: "Portraits, Self-portraits." Honorarium, \$300. Ask for sample copy. Bill Jaeger, editor, *The Center Quarterly*, 59 Tinker St., Woodstock, NY 12498; 914-679-9957

Seeking artists working in polymers

Traveling group exhibit and international corporate sculpture marketing effort. Send slides (labeled, including type of polymer), resume, prices, SASE to: Maya Staver, Creative Business Connections, 10 Claremont Park, Boston MA 02118

Experienced artists for public art works sought

Often outdoors, sometimes collaborations. Project examples include plazas, fountains, sculpture. Send slides, resume, SASE to: Francoise Yohalem, 5717 Brewer House Circle, W. Bethesda, MD 20852; 301-816-0518

Science for Art Prize

For any scientific study or innovative technological process related to the application of materials on surfaces to achieve aesthetic effects. Sponsored by Louis Vuitton Moët Hennessey Corp., International Society for Art, Science and Technology (ISAST — publisher of *Leonardo*) is part of the organizing committee. Ask for poster with prize rules. Artists, scientists or technologists: Contact: Roger Malina, ISAST, 1442-A Walnut #75B, Berkeley, CA 94709; 415-845-8306; isast@garnet.berkeley.edu.

Get Ready

1995 will be the 100th anniversary of Buckminster Fuller's birth.

Some calendar items are from *Art Calendar* and *FineArts Forum* (e-mail).

Member News

Jan Gjessing, 3-D multi-image artist in Norway, is touring the U.S. with "Reality Beyond Fantasy," an audiovisual show with 3-D images created by a process he invented. His sound-to-light liquid cells in ordinary slide projectors modulate pattern in real time.

Laura Elenes, professor of art at the University of Mexico is now the director of the Consejo Mundial de Artistas Plásticos (World Council of Fine Artists). At the Biennale of Alternative and Visual Poetry in July she will do performance and video art and give a talk on her experiences as a hi-tech artist. She will discuss the stimulation she finds in the artist-machine interaction, and the problems of high cost, difficulty of access, and obsolescence. These are severe everywhere, but more so in Mexico.

Nancy Freeman writes: *Getting Started in Computer Graphics* by Gary Olsen (North Light Books) is finally out. It contains my work and probably that of other Ylem members as well.

Computers, Pattern, Chaos and Beauty by Ylem member Clifford Pickover (St. Martin's Press, \$29.95) got a nice writeup in *Publisher's Weekly*. With 200 black and white computer illustrations and 8 pages in color, it sounds useful even to the non-technical artist.

DISCOVER THE ARTS OF THE FUTURE

JOURNAL OF THE INTERNATIONAL SOCIETY

LEONARDO

FOR THE ARTS, SCIENCES AND TECHNOLOGY

Executive Editor: **Roger Malina**

Managing Editor: **Pamela Grant-Ryan**

Main Editorial Office: *Leonardo*, Box 75, 1442A Walnut,
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with an International Board including Stephen Wilson (USA), Itsuo
Sakane (Japan), Frank Popper (France), Bulat Galeevy (USSR) and Otto
Pfele (USA)

Leonardo is the foremost international forum for artists and others interested in the application of contemporary science and technology to the visual arts and music. Placing no restriction on artistic tendency, content or medium, *Leonardo* features articles written by artists about their own work, as well as discussions of new concepts, materials and techniques. Articles also address the historical, theoretical and educational issues surrounding innovative art forms.

Leonardo enters its third decade with special issues such as:

- Holography as an Art Medium,
Guest Editor: *Louis M Brill, Former Editor of Laser News*
- New Foundations: The Art and Technology Curriculum,
Guest Editor: *Sonia Sheridan, Founder, Generative Systems Program, School of the Art Institute, Chicago*
- Art and Telecommunications,
Guest Editors: *Roy Ascott, Professor of Art, University of Gwent, and Carl Loeffler, Director, Artcom Electronic Network*

Special Issues can be ordered separately.

Also available: Leonardo 20-Year Combined Author and Subject Index

ISAST also offers two new electronic bulletin boards - FINEART FORUM and F.A.S.T. addressing all aspects of interaction of science and technology with the contemporary arts.

Regular Sections include:

- Historical perspectives on the contemporary arts and sciences
- Theoretical perspectives on the contemporary arts and sciences
- Sound, Music, Science and Technology
- I.S.A.S.T. Bulletin: International News and Opportunities
- Current Literature, Book Reviews, and Software Survey
- Commentaries and Letters

"Leonardo continues to stand high above the competition; the only truly current yet future oriented art publication"

Richard Loveless

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YLEM July 1990

Please send a membership application and sample newsletter to (me) (my friends) at:

NAME _____

ADDRESS _____

CITY _____

Membership is \$25 per year. Students \$15.
Send to Ylem, PO Box 749, Orinda, CA 94563.



This is your newsletter!!!

Please continue to send me notices of events, needs, opportunities, our exhibitions & talks, and sharp B & W art. Mac disks welcome!
Deadline: 20th of each month.

Trudy Myrth Reagan
967 Moreno
Palo Alto, CA 94303 (415) 856-9593

MAILING LABELS OF YLEM MEMBERS, are available to Ylem members for \$20. Info: Fred Stitt, (415) 254-0639.

Get your copy of the **YLEM VIDEO**. Features 26 artists. 1/2" format \$24., members \$12. Mark Briggs, 3601 Kelso Ct., San Jose, CA 95127



Artists Using Science and Technology
P.O. Box 749, Orinda, CA 94563



Ylem: Artists Using Science and Technology is a non-profit organization.

President - Beverly Raiser

Vice-President - Trudy Myrth Reagan

Secretary - Fred Stitt

Membership development - Eleanor Kent

Newsletter - Trudy Myrth Reagan

Member-at-large - Cynthia Kurtz

Advisory Board:

Nancy Frank, *Frank Relations*

Roger Malina, *Astrophysicist*

Larry Shaw, *Curator, Exploratorium*

Stephen Wilson, *Art Dept. SFSU*

**July
newsletter**

Eleanor Kent
544 Hill St
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