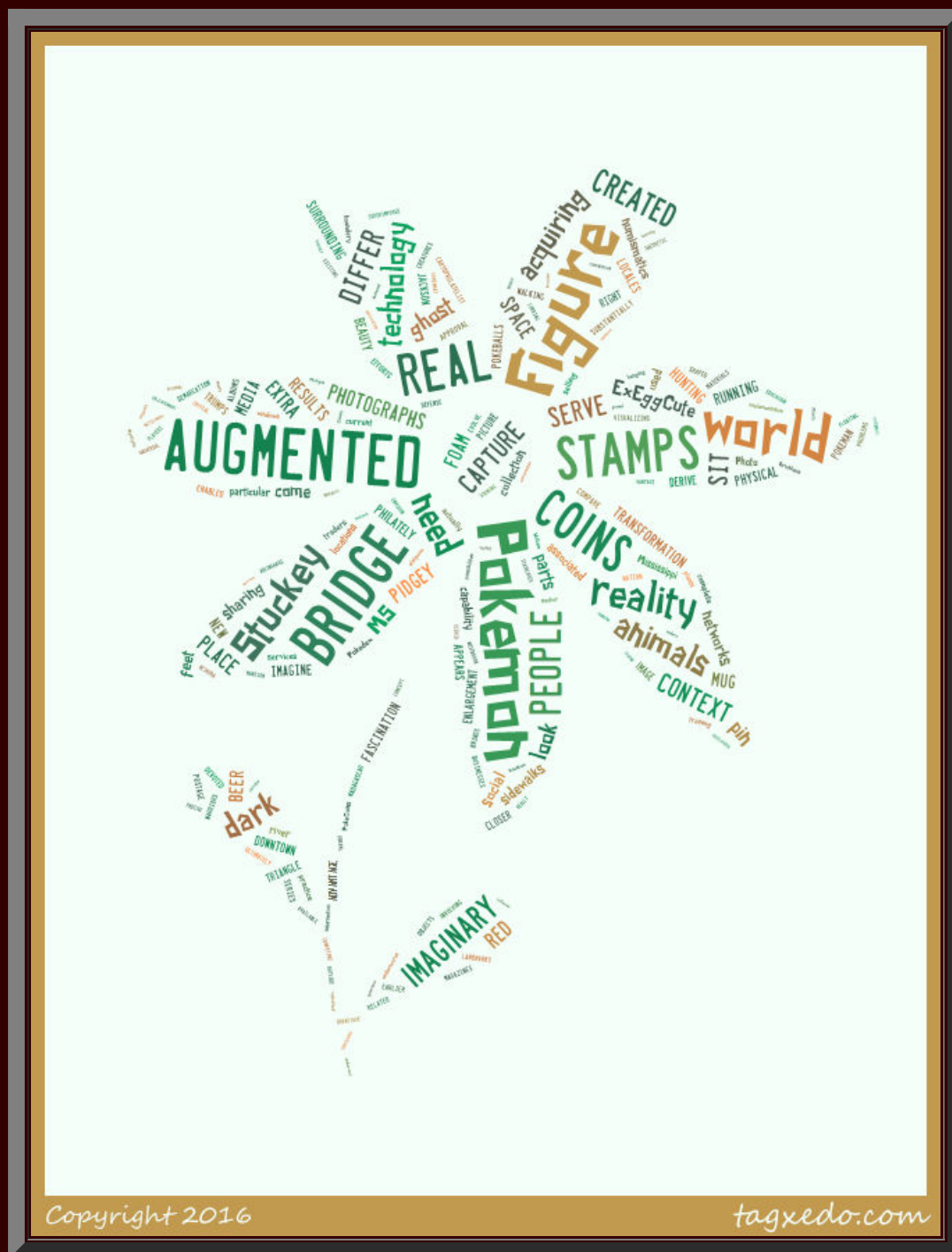


Tangled Realities

Sandra L. Arlinghaus and William E. Arlinghaus



Geometry Links from George Mokray....a hat tip to George from IMAge!

Geometric and other apps

<http://www.timehavenmedia.com>

PolygonJazz - the music of the polygons

<http://www.polygonjazz.com>

Geom-E-Tree - app for fractal tree structures

<http://geom-e-tree.com>

Watch a spider weave a web

<https://rumble.com/v324ch-spider-weaves-a-web.html>

Rivers of the United States in rainbow colors - I'd like to see a version of this map which does not stop at national borders but shows the full watersheds of North and South America

<http://imgur.com/gallery/N4cJA>

<http://www.dailymail.co.uk/sciencetech/article-3860062/The-veins-America-Stunning-map-shows-river-basin-US.html>

Heat shrinking metamaterials

<https://youtu.be/gex2o-Yx700>

Eno Henze's artworks

<http://enohenze.de>

Echoes - a fractal animation by Chris Bjerre

<https://vimeo.com/188778705>

Robert Lang origami exhibit at Huntington Library in San Marino, CA

<http://huntington.org/WebAssets/Templates/exhibitiondetail.aspx?id=22733>

Hiroshi Tago, biological sculpture performance artist

<http://hiromitago.com>

New George Hart sculpture

<https://youtu.be/fayF3Ay9nNQ>

New Chuck Hoberman installation

<http://www.bostonmagazine.com/arts-entertainment/blog/2016/10/26/chuck-hoberman-10-degrees-le-lab/>

Composite cellular morphing wing

<http://news.mit.edu/2016/morphing-airplane-wing-design-1103>

<http://www.nasa.gov/ames/feature/go-go-green-wing-mighty-morphing-materials-in-aircraft-design/>

SOFTlab

<http://softlabnyc.com>

Their latest piece is Ventricle

<https://www.behance.net/gallery/41414617/Ventricle>

Here's a making-of video of another piece, We Are Flowers

<https://vimeo.com/98830926>

AVA, a geodesic scientific installation

<https://vimeo.com/188716447>

<http://www.ouchhh.tv>

Hmmm, I wonder if these folks would be interested in making a Geosphere to play the World Game.

Slide show of human-sized bird nests

<http://www.inhabitots.com/13-giant-cozy-bird-nests-that-will-comfort-and-enthrall-children-and-adults/birds-nest-bed-easter/?extend=1>

Gozinta Boxes

<http://boingboing.net/2016/10/05/the-gozinta-boxes-a-work-of-m.html>

Chirring - birdsongs as mandalas

<http://designawards.core77.com/Visual-Communication/30854/Chirring>

Animated color coded graphics of meteorology and weather systems

<https://www.ventusky.com>

2016 Information Is Beautiful Award Nominees

<http://www.informationisbeautifulawards.com/showcase?award=2016&pcategory=short-list&type=awards>

<http://www.informationisbeautifulawards.com>

oxDNA - a simulation for polyhedral nanostructures built with DNA

https://dna.physics.ox.ac.uk/index.php/Main_Page

DNA gallery: https://dna.physics.ox.ac.uk/index.php/Gallery_of_studied_systems

Paul Klee's notebooks and teaching journals online

<https://monoskop.org/log/?p=10127>

Polygons - a folding measuring spoon with four sizes

<https://www.kickstarter.com/projects/stillalive/polygons-the-flat-4-in-1-measuring-spoon>

New detailed 3D map of the Earth

http://www.dlr.de/dlr/en/desktopdefault.aspx/tabid-10293/427_read-19509/year-all/#/gallery/24516

Brendan Ravenhill's version of Fuller and Sadao's dymaxion folding globe

<https://youtu.be/uu2CriurqUY>

Visualizing numbers

<https://youtu.be/hP-DZMmQBng>

Global shipping map

<https://www.shipmap.org>

3D star map based upon Gaia satellite data

http://charliehoey.com/threejs-demos/gaia_dr1.html

IN MEMORIAM, 2016

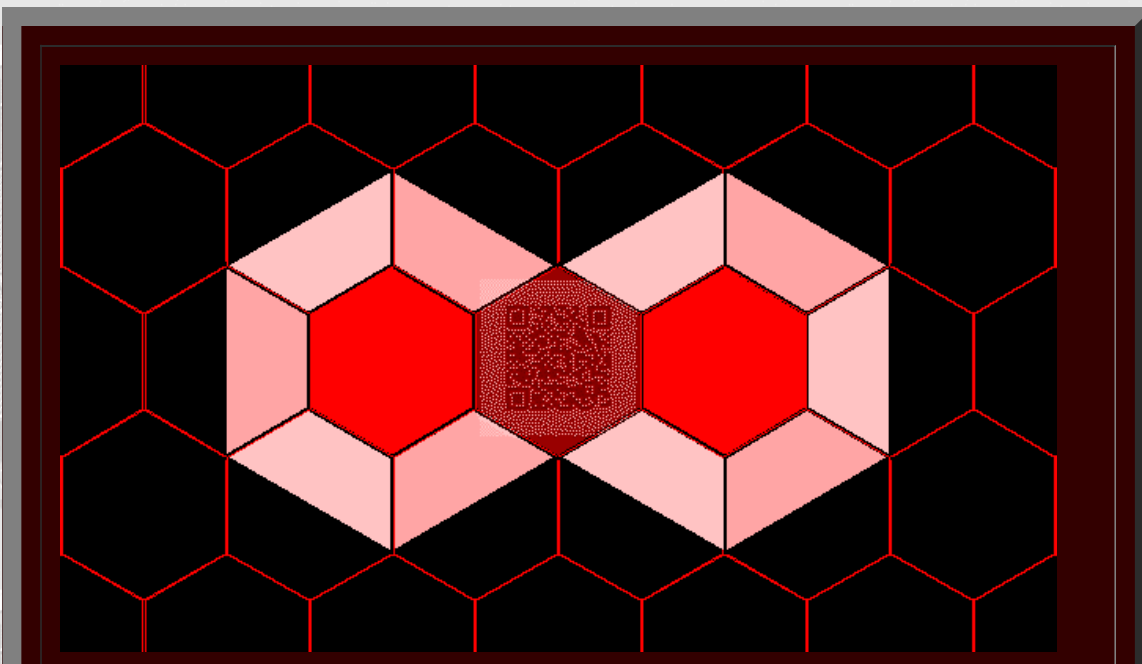
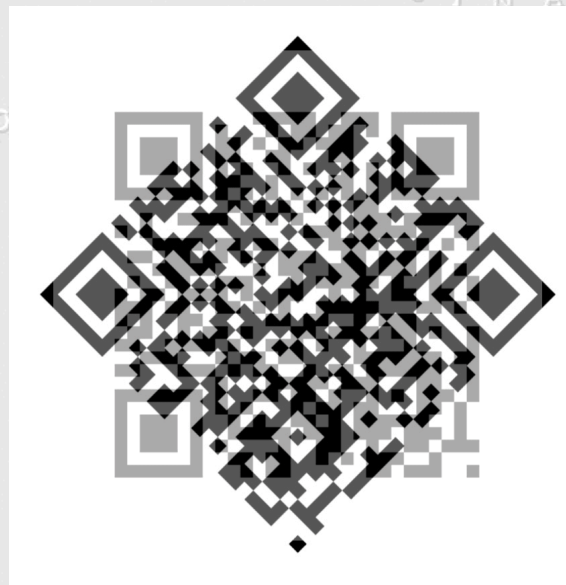
Halil Inalcik

William H. McNeill



Left to right, Halil Inalcik, William H. McNeill, Donald F. Lach, c. 1970. Photographed in Cappadocia by Alma Lach.

In the In



1. ARCHIVE

2. Editorial Board, Advice to Authors, Mission Statement

3. Awards

1.

2.

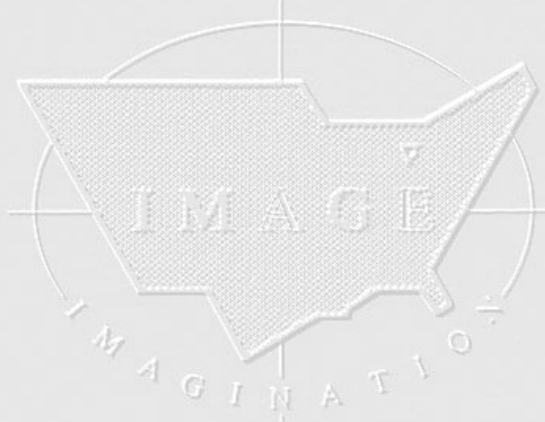
3.



RECENT NEWS...

1. *Quaestiones Geographicae*, Special Issue.
2. Chene Street History Project.
3. ***Spatial Mathematics: Theory and Practice Through Mapping***. Sandra L. Arlinghaus and Joseph Kerski, (2013), [CRC Press](#) [Linked video](#) Published July 2013,
4. The work above is the first volume in a series of books to be published by CRC Press in its series "**Cartography, GIS, and Spatial Science: Theory and Practice.**" If you have an idea for a book to include, or wish to participate in some other way, please contact the series Editor, Sandra L. Arlinghaus.
5. [Virtual Cemetery](#) with William E. Arlinghaus; an ongoing project that continues in development run in the virtual world in parallel with the trust-funded model of a real-world cemetery.

Institute of Mathematical Geography



Solstice: An Electronic Journal of Geography and Mathematics,
Institute of Mathematical Geography (IMaGe).

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 Please contact an appropriate party concerning citation of this article:
sarhaus@umich.edu
<http://www.imagenet.org>
<http://deepblue.lib.umich.edu/handle/2027.42/58219>

***Solstice* was a Pirelli INTERNETional Award Semi-Finalist, 2001 (top 80 out of over 1000 entries worldwide)**

One article in *Solstice* was a Pirelli INTERNETional Award Semi-Finalist, 2003 (Spatial Synthesis Sampler).

***Solstice* is listed in the [Directory of Open Access Journals](#) maintained by the University of Lund where it is maintained as a "searchable" journal.**

***Solstice* is listed on the journals section of the website of the American Mathematical Society, <http://www.ams.org/>**

***Solstice* is listed in [Geoscience e-Journals](#)**

IMaGe is listed on the website of the Numerical Cartography Lab of The Ohio State University: http://ncl.sbs.ohio-state.edu/4_homes.html

Ulrich's lists online journal availability for full text sources:

- Colorado Alliance of Research Libraries
 - Open Access Digital Library, 01/01/1990-
- Directory of Open Access Journals
 - Directory of Open Access Journals, 1990-
- EBSCOhost
 - Academic Search Complete, 12/01/2006-
 - Academic Search R&D, 06/01/2006-
- Geoscience e-Journals
 - Geoscience e-Journals, 1990-
- HEAL Link
 - Hellenic Academic Libraries Link, 1990-
- Multiple Vendors
 - Freely Accessible Science Journals, 1990-
- National Institute of Standards and Technology
 - National Institute of Standards and Technology Virtual Library, 1990-
- Universitätsbibliothek Regensburg
 - Elektronische Zeitschriftenbibliothek - Frei zugängliche E-Journals, 1990-
- 中国教育图书进出口公司 (China Educational Publications Import & Export Corporation)
 - Socolar, 2004-2010

Abstracting and Indexing Databases:

- EBSCOhost
 - [Academic Search Alumni Edition](#), 12/1/2006-
 - [Academic Search Complete](#), 12/1/2006-
 - [Academic Search Elite](#), 12/1/2006-
 - [Academic Search Premier](#), 12/1/2006-
 - [Academic Search R&D](#), 6/1/2006-
 - [Current Abstracts](#), 11/1/2006-
 - [Mainfile](#), 6/1/2006-
 - [TOC Premier](#) (Table of Contents), 6/1/2006-

Review posted on Ulrich's site:

An interesting example of a privately issued electronic journal. As described in the mission statement of the journal, "The purpose of *Solstice* is to promote interaction between geography and mathematics." Articles are scholarly in presentation, with clear illustrations and charts. A number of the articles are written by the editor; the editorial advisory board lists individuals from throughout the country. Libraries should review and consider adding this to their collection of electronic journals.
ML 11-15-1997

Library of Congress Number: G70.23
Dewey Decimal System Numbers: 526, 510.

Congratulations to all *Solstice* contributors.

Remembering those who are gone now but who contributed in various ways to *Solstice* or to IMAge projects, directly or indirectly, during the first 28 years of IMAge:

[Allen K. Philbrick](#) | [Alma S. Lach](#) | [Donald F. Lach](#) | [Frank Harary](#) | [William D. Drake](#) | [H. S. M. Coxeter](#) | [Saunders Mac Lane](#) | [Chauncy D. Harris](#) | [Norton S. Ginsburg](#) | [Sylvia L. Thrupp](#) | [Arthur L. Loeb](#) | [George Kish](#) |

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