

Editorial-3D Or Stereoscopy?

When I tell people that I am the chairman of the Stereo-Club Français, I am asked if it is about stereophony. If I add that it is about "relief" (full 3D), I still feel not being understood. I have to use the term "3D" to get a first glimpse of Understanding.

Wheatstone made up the word Stereoscope in 1838, in the first modern paper on the subject where he described one of two devices he had invented to enable seeing drawings in the 3 geometrical dimensions. The word stereoscopy appeared shortly after.

Stereoscopy may be taken as a set of processes that enable the visual perception of "relief" (in the 3 geometrical dimensions) from a couple or several flat images. This requires binocular vision: the images presented to the right eye and the left eye must have been taken from two slightly different points of view.

The term "3D" seems to have originated in the 1950s and was popularized during the wave of 3D films projected in anaglyph or polarization stereoscopic techniques.

The use of digital techniques and their wide spread brought to the layman expressions like: "3D animation", "3D modeling", "3D printer" which do not all belong to the field of stereoscopy.

Some "3D animation" films use 3D models but display flat images. This is confusing. Stereographers coin the term "S3D" (Stereoscopic 3D) to refer to stereoscopic films.

François Lagarde presented us in his article "Publish in 3D" (SCF Letter # 1056, November 2022) all the digital methods for creating and presenting images that can be seen in the 3 geometrical dimensions, in particular 3D Modeling and animated gif.

Several other articles followed the same track in previous issues of this Letter:

- discovery workshop of stereoscopy with use of a smartphone (Letter #1056)
- production of audiovisual shows in relief (Letter #1057)
- 3D-relief photo experience: a photo and painting exhibition in the North of France (Letter #1058)
- Avatar 2 on LED screen (letter #1058)
- Another look at anaglyphs (Letter #1059)
- Production of stereo cards (Letter #1059)
- Attempt to produce full 3D portraits (Letter #1059)
- Salvador Dali and stereoscopic paintings (Letter #1059)
- 3D: photogrammetry and dental surgery (Letter #1060)
- Egypt in 3D: in the footsteps of Champollion (Letter #1060)
- Screening sessions in full 3D (Letter #1060)

In this letter we deal with:

- "Magic 3D": chromatic depth
- Seeing in 3D: binocular fusion in a stereoscope.

My provocative article "3D: what is the point?" led to a debate within the SCF on the nature of full 3D image. Some have pointed out that the animated gif is not a purely stereoscopic technique and does not belong to our field of interest.

The conclusion was the Stereo-Club Français is the French Club of fans of 3D images in all their aspects, and as such should cover all the techniques which enable to produce and to visualize images in full 3D even when strictly non-stereoscopic.

Patrick Demaret

List of content & Pictures (most of them in S3D)

Sunset at Isla Mujeres, Mexico-Photo: Pierre Meindre, February 2023

This Month Activities

Editorial – 3D Or Stereoscopy? (Patrick Demaret)

My Stereo Album On The Web & The Card Printer (François Lagarde)

Tribute To Michel Grosmann (Anne-Marie Christakis, Pierre Parreaux)

Technical session "3D Monitors" at the Bienfaisance in 2008 in Paris. From left to right: Jean Hamelin, Charles Couland, Antoine Jacquemoud, ???, Michel Grosmann and Michel Mélik-Photo: Pierre Meindre

Photo-Enigma

Let's dive! Julien Damoy stereo card, series #10. 8

The French Stereo-Club At The Toulouse-Lautrec High School In Bordeaux (Christian Garnier)

René Le Menn introduces stereoscopy to high school students in Bordeaux-Photo: Christian Garnier

First outdoor 3D shots-Photo: Christian Garnier

Return to the classroom for the transfer and processing of the 3D photos taken by students-Photo: Christian Garnier

Students & Teachers-Photo: Christian Garnier

The French Stereo-Club At 2023 Chelles Photo Fair (Patrick Demaret)

The SCF stand at the Chelles fair, Patrick Demaret introduces 3D production to young visitors-Photo: Pierre Meindre

Antoine Jacquemoud, Thierry Bravais and Patrick Demaret enjoying themselves at the Chelles fair SCF stand! -Photo: Pierre Meindre

Looking for (at least) 7 differences... – Photo: Pierre Meindre

Michel Guilbert, president of the Iconomécaphiles du Limousin, visiting the SCF stand, Patrick Demaret on the right side-Photo: Thierry Bravais

A visitor and Pierre Meindre-Photo: debate on stereoscopy Thierry Bravais

Lunch break at the SCF stand. Patrick Demaret and his wife, Thierry Bravais in the background-Photo: Pierre Meindre

Cartoscopes displayed on the Club's stand-Photo: Pierre Meindre

Seeing In Full 3D: Binocular Fusion In A Stereoscope (Charles Couland, Patrick Demaret)

Flying fish-Photo: Jean Trolez (SCF 2020 anthology, p.39)

Samson and Delilah. Aulnay-de-Saintonge church (17)-Photo: Christian Garnier (SCF Florilege 2020, p.53)

Vatnajökull glacier ice cave-Kverkfjökull, Iceland. Photo: Pierre Meindre, July 2006

March 22, 2023 Île-de France Group Screening Session in Charenton (Pierre Meindre)

Desert locusts, Paris Botanic garden-Photo: François Lagarde

Sarabande in Colors, image taken from a computer-generated animation-Image: Pierre Meindre

“Magic 3D” & Chromatic 3D (Patrick Demaret with the help of Charles Couland and Pierre Meindre)

Test image: with Chromadepth glasses red appears in front of yellow, then white, green and blue.

First snow at Tronche pass, Hautes-Alpes-Photo: Christian Auger, October 2010

Great China Wall-Photo: Pierre Meindre, July 2009

From Experts To The Public: Photographic Collections on Asia, INHA Seminar, February 9, 2023 (J.-Yves Gresser)

The confrontation between two worlds, that of painting and that of photography, Survey of the Ajanta caves (India).- Photo BINHA, slide by Christelle Chefneux (INHA)

A sample of the stereoscopic views taken by Albert Dutertre, during Albert Kahn's four months trip to the Far East.- slide by Édouard de Saint-Ours (Musée Arts Asiatiques Guimet)

Two series of stereoscopic views kept at the Department of BNF prints.-slide by Flora Triebel (BNF)

Robert Gill (1804-1879) photographic workshop in Cave No. 6 of Ajanta, India, in 1867, from a wet collodion negative. Cross Vision-British Library ASI fonds

Robert Gill (1804-1879) photographic workshop in Cave No. 6 of Ajanta, India, in 1867, from a wet collodion negative: details showing the stereo cameras.- British Library ASI fonds, citation by John Falconer.

Stereoscopic portrait of Henri Parmentier (and the inclusion of a video image of Christophe Pottier during his presentation). Cross vision-EFEO Fund

This stereoscopic image was used as a proof to convict a famous antiquity looter, who became afterwards a famous writer. Cross vision-EFEO Fund

EFEO: Synthetic inventory of the glass plates funds. Christophe Pottier (EFEO) slide

EFEO: examples of recent productions. 2D images and 3D models related to recent missions. Christophe Pottier (EFEO) slide

Adds

Assembly table, metallic screen, projector First Line (Carrefour) type 1002-006

3D Events & Publications (J.-Yves Gresser)

Living room a ppr oc he; The Precious Plates of Auguste Ponsot, Interferential Photography-Lippmann (sic) Plates; Egypt in Stereo by Catherine Carponsin; Auvergne meetings in Saint-Anthème (63) of Club Niepce Lumière and SCF; Bordeaux International Days; 59th photo fair in Bièvres; 3D Festival in Gaillac.

The 13th International Archaeological Film Festival, which took place in Nyon from March 21 to 25, awarded the Special Jury Prize to Memoirs from across the lakes, by our friend Philippe Nicolet; exhibition Stereoscopy Is Good For You; Jim Naughten, Objects; annual meeting of the Swiss Society of Stereoscopy (SGS); DGS congress; National Stereoscopic Association – 49th 3D Con; ISU World Congress 2023 in Tsukuba, Japan.

Stereoscopy (#131, Issue3.2022), Creating AI Art in 3D1 by Ray Moxom (Australia); the latest book by Denis Pellerin, The Emperor, his wife and the little prince. The Virtual Stereoscopic Community (VSC) <https://stereosite.com/> Gazette Ptit Bof: #721, E. KRAUSS TAKIR III and some accessories, including a mobile front board allowing it to be transformed into a stereo device, Transformation and modernization of the Verascope (catalog page 1934); #722, Presentation of the Spezial-Auktion catalog COLOGNE March 25, 2023, J. RICHARD Glyphoscope and Verascope 45x107mm for flat films; No. 723, CONTESSA NETTEL "Steroco" and Bloc Film; #724, Jules Richard, particular stereoscopes.

Charles Clerc prepares the 24x36 film projection in crossfade (4 projectors slide) at the Bienfaisance, Paris, January 25, 2006-Photo: Pierre Meindre page 31 Monthly letter from the French Stereo--Club

Roger Huet at the controls of a double 6x6 silver projection at La Bienfaisance, Paris, March 26, 2008-Photo: Pierre Meindre

Support for digital stereo projection with Optoma XGA projectors at the Charity, Paris, March 22, 2006-Photo: Pierre Meindre

Installation of digital stereo projection at La Bienfaisance with large projectors Panasonic-Paris, June 23, 2010. From left to right: Michel Mélik,

Jean-Louis Janin, Rolland Duchesne, Pierre Hazard, Daniel Chailloux and Bruno Lonchampt-Photo: Pierre Meindre

Jean Trolez at the controls of his RBT 3D projector, Aulnay 2008-Photo: René Le Menn

Auvergne. Puy-Rocher d'Espaly-Julien Damoy stereo card, #18