

## Editorial-3D Or Stereoscopy? (2)

This month we go deeper into chromatic 3D vision (see April Letter). Charles Couland explores the technique of Chromadepth® glasses. Jean-Yves Gresser and Alain Talma screen the complete set of the wonderful 1996-1997 "Spirouvision" comic strips, which they retrieved in our archives.

A 3D lenticular image of the Lespugue Venus is part of the Musée de l'Homme Art and Prehistory current exhibition. This image was produced with the lenticular technique of Maurice Bonnet, Michèle Bonnet's father. She tells us more about it. We are hoping that; in the near future, Michèle will give us a more detailed account of Maurice Bonnet's process which produced superb auto-stereoscopic works in the 1960s.

A film made by (with?) artificial intelligence points to the virtual universes that we foresee in 3D. You will also find in this issue the usual sections such as the photo-riddle, an account of past meetings of the Nouvelle-Aquitaine regional group and of the Parisian group and information on future or ongoing 3D events as well as publications.

We will be able to meet in Saint-Anthème from May 5 to 8, in Bordeaux from May 11 to 13 and in Bièvres on June 4<sup>th</sup>.

I wish this "lovely month of May", to be a good start to stereoscopic adventures in fair weather,

*Patrick Demaret*

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

*Blooming volcanic rocks in Santorini, Greece-Photo: Pierre Meindre, April 2023*

### This Month Agenda

#### Editorial-3D or Stereoscopy? (2) (Patrick Demaret)

#### Imagine a Virtual World (Patrick Demaret)

*Cologne Cathedral under construction*

#### Photos-Riddles (J.-Yves Gresser, Alain Talma, Patrick Demaret, René Le Menn)

*Cologne Cathedral, Germany-Photo: Pierre Meindre, December 2004*

#### DGS Congress in Minden, Germany (Frank Lorenz)

*Stereoscopic exhibition in Minden, Germany-Photo: Frank Lorenz*

#### New products (Pierre Meindre)

*Version v6.31 of StereoPhoto Maker*

#### What a Single Image Can Tell Us About 3D photography (Michèle Bonnet)

*Three images received from Nalat Aloudat on info@reliephotographie.com on 03/24/2023*

*Occasional souvenir image of laboratory work, Maurice Bonnet Archives (Polaroid)*

*Backup on CD-ROM Michèle-Françoise Bonnet, Maurice Bonnet Collection, Nicéphore Niépce Museum*

*Press clipping, Le Monde newspaper, Maurice Bonnet archives*

#### April 16, 2023 Meeting In Blanquefort (René Le Menn)

*Camaret, the alignments of Lagatjar (Finistère)-Photo: Christian Garnier*

*The Iroise Sea coast (Finistère)-Photo: Christian Garnier*

*Pointe Saint-Mathieu (Finistère), the memorial of sailors who died for France. Photo: Christian Garnier*

*Guimiliau (Finistère) at the beginning of the 20th century and today-Photo: René Le Menn*

*Inside the Pestillac cave (Lot), cave discovered by Julien Sentis. Photo: Louis Sentis*

*Cave of Pestillac (Lot), schematic female figure of the Lalinde-Gönnersdorf type. Photo: Louis Sentis*

*The Day of the Tapper-Photo: Yves Mahieu*

#### April 19, 2023 Screening Session In Charenton (Pierre Meindre)

*On the way to the monthly session at the MPP, I stopped on the bridge of the avenue de la Liberté which spans the railway tracks coming from the stations of Lyon and Bercy. Hyperstereo in two stages on the smartphone in the direction of Paris. Did you spot the Eiffel Tower in the background? Photo: Pierre Meindre*

*Zinal, a small village in the Swiss Valais-Photos: Olivier Cahen*

*Amsterdam and its canals-Photo: François Lagarde*

*Amsterdam and its typical house fronts-Photo: François Lagarde*

*New: stereo cards in marquetry!*

*View from the Vincennes Castle-Photo: Vincent Lozano*

*Daumesnil lake in the Vincennes Woods-Photo: Vincent Lozano*

*Rome, the Roman Forum and the monument to Vittorio Emanuele-Photo: Thierry Mercier*

*Rome, the Roman Forum-Photo: Thierry Mercier*

*Rome, the crowd of visitors in Saint Peter's Basilica-Photo: Thierry Mercier*

*Rowers on the Seine-Photo: Émilion Baudeau*

*Fencers-Photo: Émilion Baudeau*

*Fencers, marquetry version by Émilion Baudeau*

*Tallinn, Estonia-Photo: Pierre Meindre, August 2011*

### **Egypt In Stereoscopy in Bordeaux (René Le Menn)**

*Catherine Carponsin-Martin during her presentation-Photo: René Le Menn*

*Anaglyph projection of the ruins of Karnak (1856)-Photo: René Le Menn*

*Philae, view of the Hypetra temple. Francis Frith, view n°339, 1856-1857. Magendie Fund © CLEM Patrimoine / Stéréopôle*

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

*Public consultation on immersive virtual universes, the Henry de Monfreid museum in Ingrandes, Saint-Anthème meeting, Bordeaux 2023 capital of stereoscopy, Glass-plates by Auguste Ponsot, Bièvres Photo Fair, 3D festival in Gaillac.*

*A New Power: Photography in Britain 1800-1850, DGS Congress, 49th 3D Con, ISU Congress, Stereoscopy in Granada, new Sundance Film Festival logo, Strasbourg Cathedral in 3D (Cartoscope.fr), gazette Ptit Bof n°725 to 727, Super Mario Bros le film, Titanic.*

*Blu Ray 3D DVD see <https://www.blu-ray.com/3d/>*

*Notre Dame Cathedral, Paris-Photo: Vincent Lozano*

### **The Mystery of Chromadepth® glasses finally solved? (Charles Couland)**

*Fig. 1-Through Chromadepth® glasses the red areas are brought to the forefront, while yellows and whites come behind, before greens and finally blues in the background.*

*Fig. 2: Principle of Chromadepth® glasses As the red rays (solid line) are more deflected than the blue rays, the red zones appear in front of the printed image.*

*Fig. 3: Achromatic doublet The achromatic doublet, designed to cancel out chromatic aberration at the focal point, has also the particularity to deflect red rays more strongly than blue ones.*

*Fig. 4: Principle of the achromatic doublet applied to Chromadepth® glasses Thanks to the differences in index and dispersion between the flint and crown zones, the red rays are more deflected, which makes it possible to put the reds in forefront of the real image.*

*Fig. 5: Prism of the Chromadepth® glasses The most compressed zones have a higher and more dispersive index (flint) than the others (crown), which makes it possible to put the red zones in the forefront of the real image.*

*Outdoor exhibition "Mini-worlds on the way to illumination" at the Jardin des Plantes in Paris. Photos: Jean-Louis Piednoir*

### **3D Through Colors: Spirouvision (1996-1997) (J.-Yves Gresser, Alain Talma)**

*Normal Spirou on the left, 3D Spirou on the right.*

*Six boards in Spirouvision (Chromadepth®)*

### **Shooting Microminerals in 3D, videoconference meeting of April 12, 2023 (Michel Fels)**

*The light box seen from the top, The lift with the hat, The enlarger column, The column with the lift, The assembled rig*

### **Adds**

*To be sold: a metallic screen, a First Line (Carrefour) type 1002-006 projector.*



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