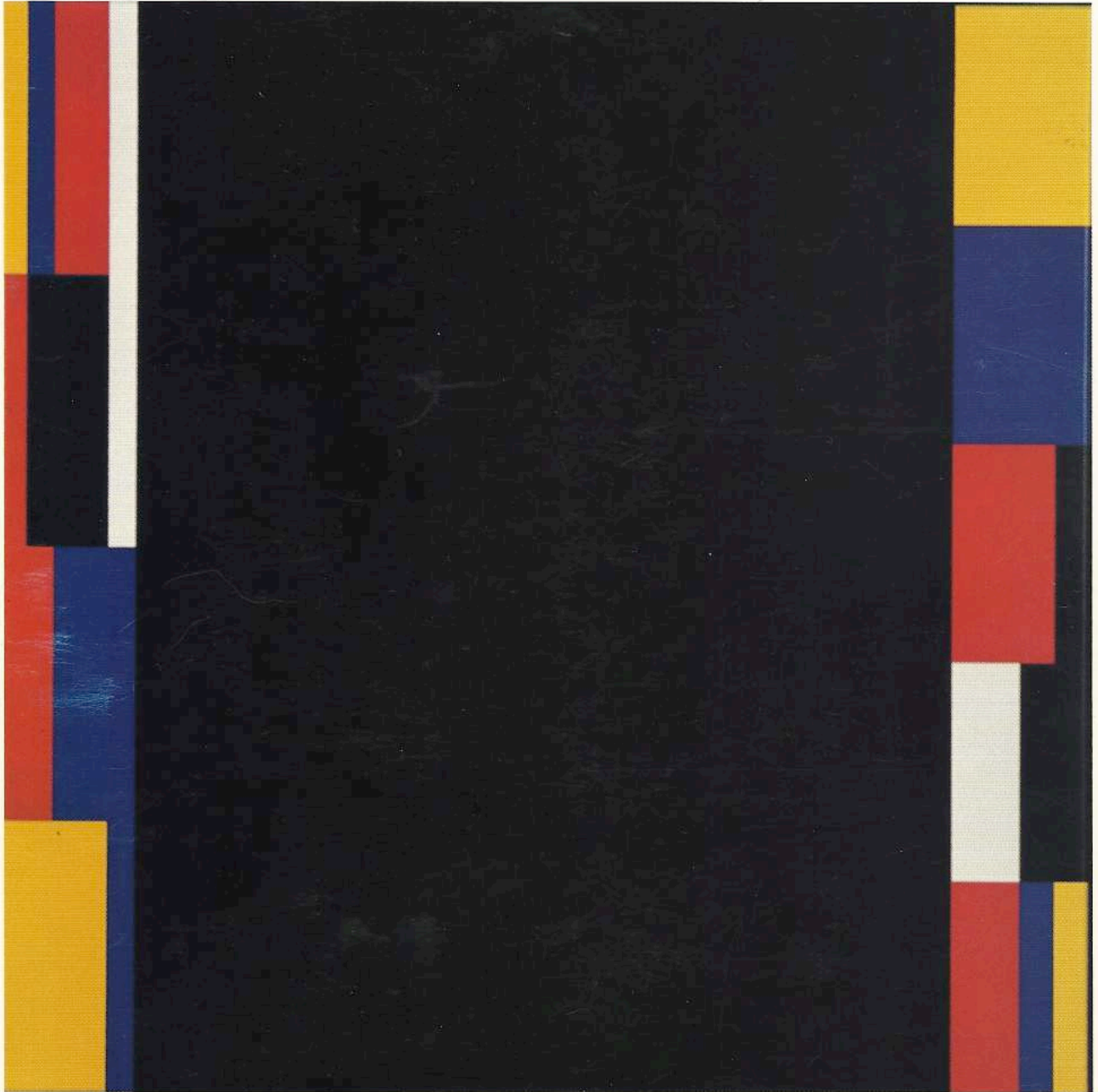


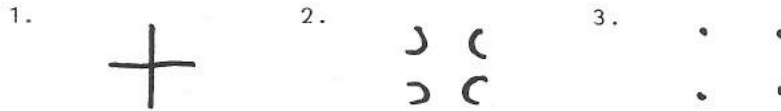
constructivist



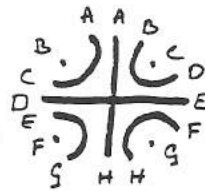
f o r u m

Involvement with Spirals

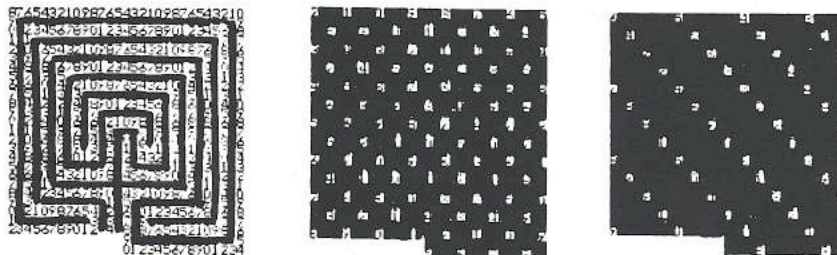
During the last ten years my enquiries have involved the use of spirals to determine the location of numbers within grids of various sizes. Initially, my interest in spiral forms came from the discovery of a maze found in old Celtic monumental sites, the Mediterranean and the Hopi culture in North America. This form has some very interesting characteristics. It can be constructed through the use of three groupings which, when placed together, establish the structural underpinning for the spiral/maze.



By connecting the end points a b c d e f g & h, the maze is revealed:

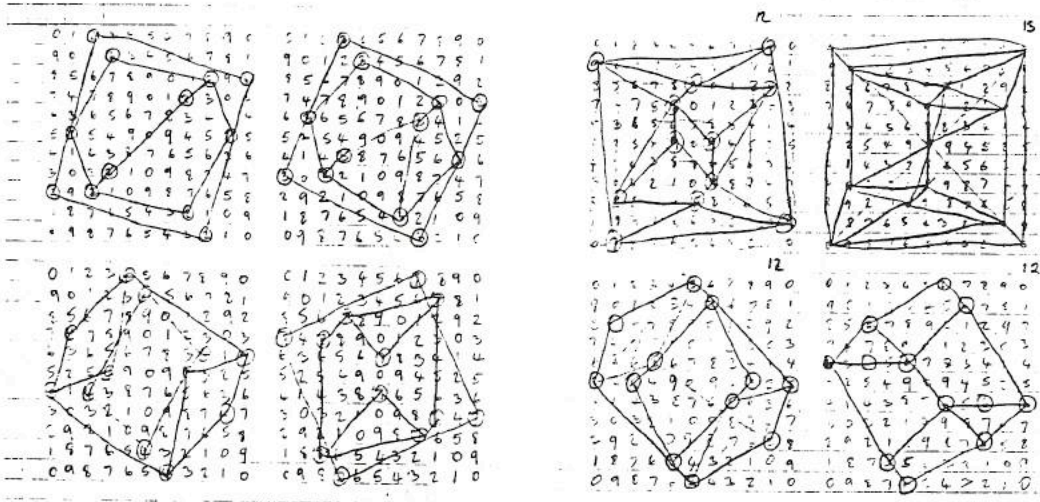


Curiously, by transposing the maze into a grid format and placing number sequences with spaces through the grid, some very specific diagonal alignments occur. This is particularly evident if the numbers are spaced at intervals of 3 or 7.



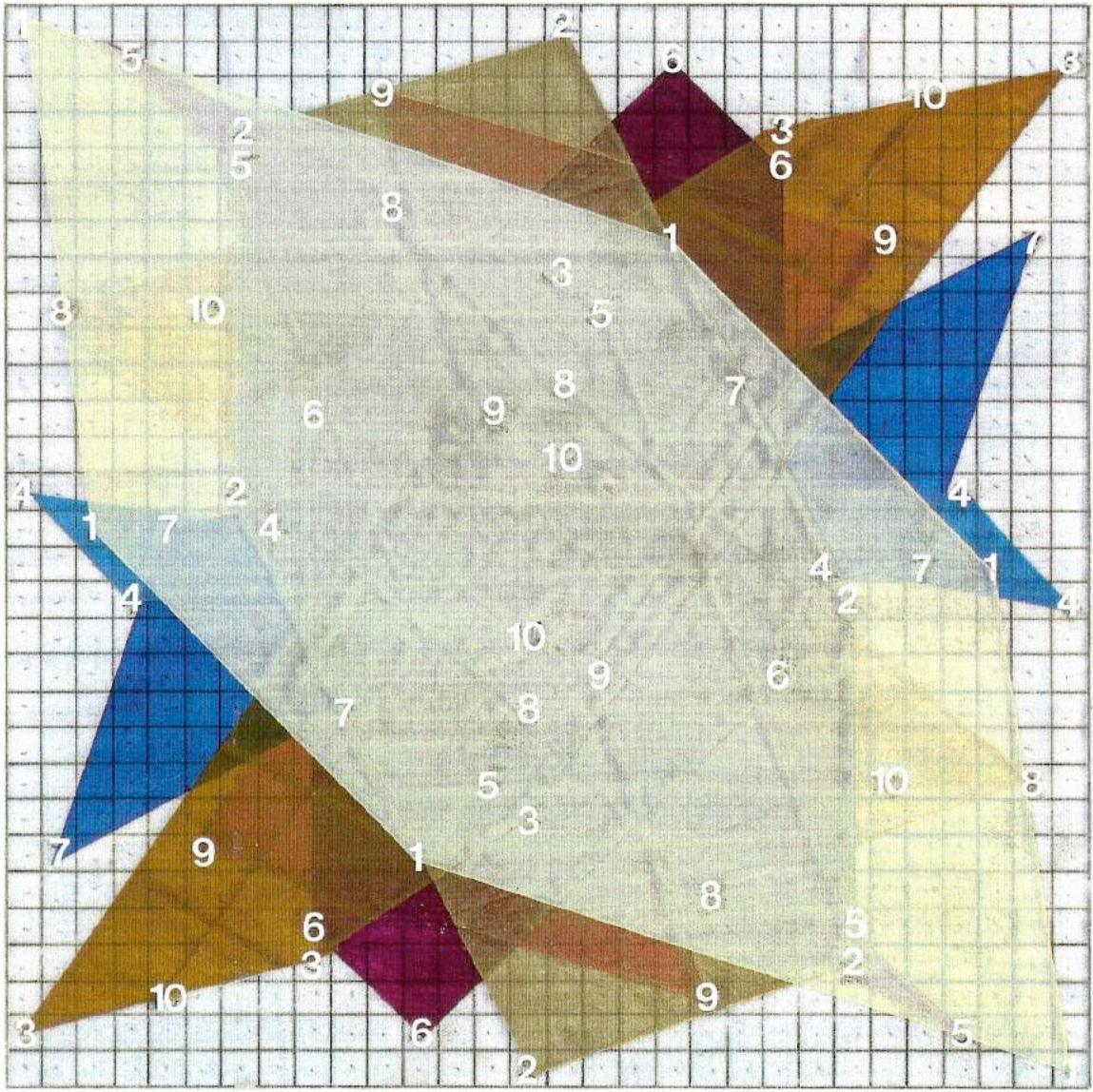
What is surprising about this form is that the asymmetrical image possesses some very specific characteristics, some of which appear two-dimensional. With this idea in mind I have been looking into locational and planar relationships that arise out of the juxtaposition of spiral forms, grids and numbers. I have used one, two and four spirals of numbers and spaces that intertwine within grids. These produce images that have spatial, symmetrical and planar characteristics.

Some structures, related to the colour image included in this edition, imply an isometric form. The idea that an image, comprising of essentially flat components, can generate volumes that are isometric in character is interesting. In one particular set of images lines were drawn to connect numbers of the same value whilst enclosing as large an area as possible. Although not exact, often the perimeter of the resulting shape suggested the outline of an isometric volume. By looking to the middle of the grid area numbers were found that corresponded to the point location of the front and back corners of a space cube.



While generating rule based images, I am looking for visual surprises or events where grid size, numbers, spaces and loading forms (a spiral for example) interrelate proportionally. This working process continues to bring to bare the question, is the artist the originator of the images or does the systematic working process reveal pre-existing visual order that is waiting to be uncovered?

I send my best wishes to my friends and colleagues.



Two spirals into turned 30x30 grid 14 space

Chitalls 91