

FRACTALS IN NATURE

Porter 34B Winter 2013
Chaos, Fractals, and the Arts
Meet #4, 1/29/2013
Ralph Abraham

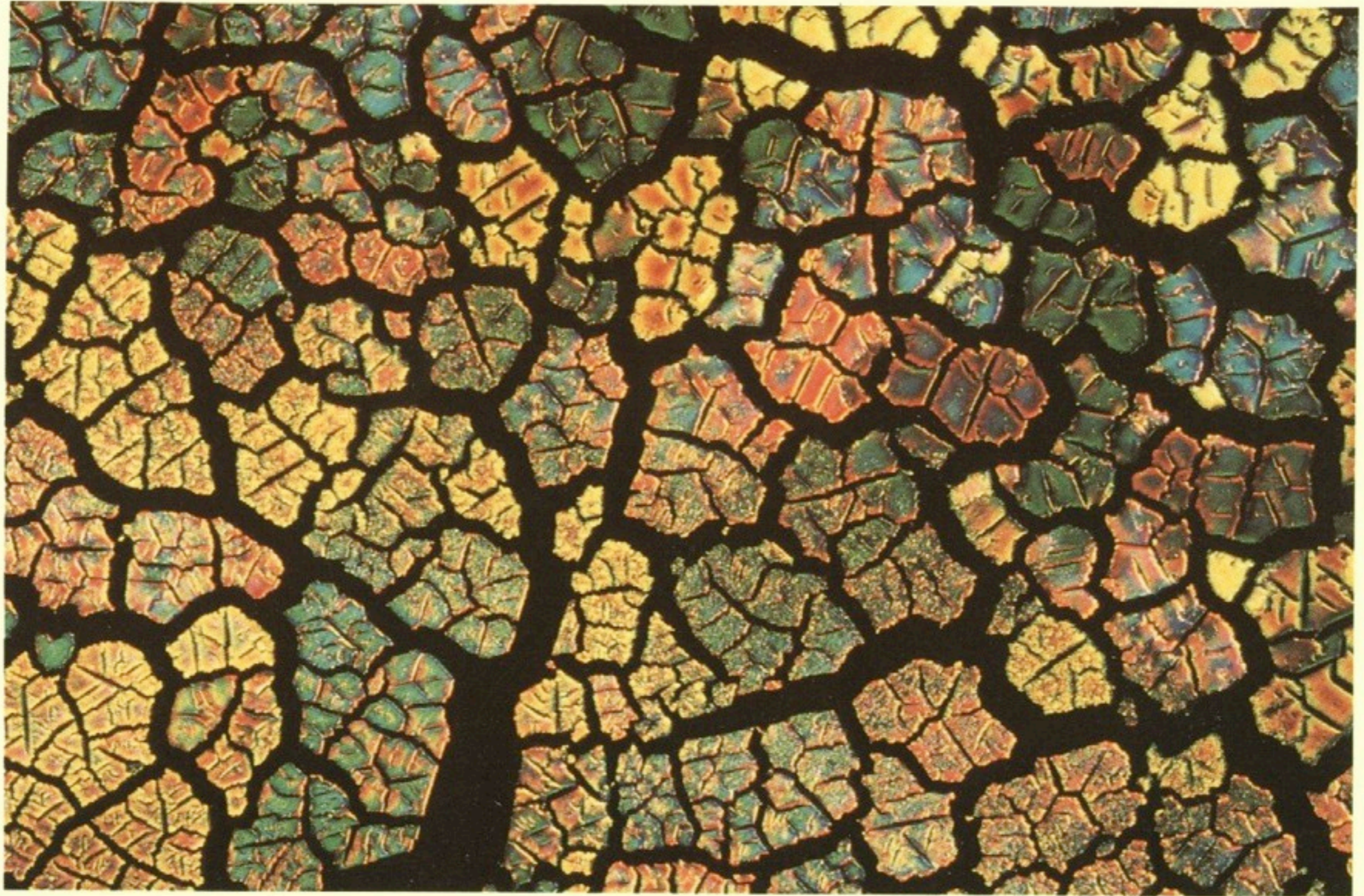
PHOTOS

- All images from:
 - John Briggs, *Fractals: The Patterns of Chaos*
New York: Simon & Schuster, 1992



LITTER

Briggs, p. 13



POLYSTYRENE

Briggs, p. 20



A



B



C



D

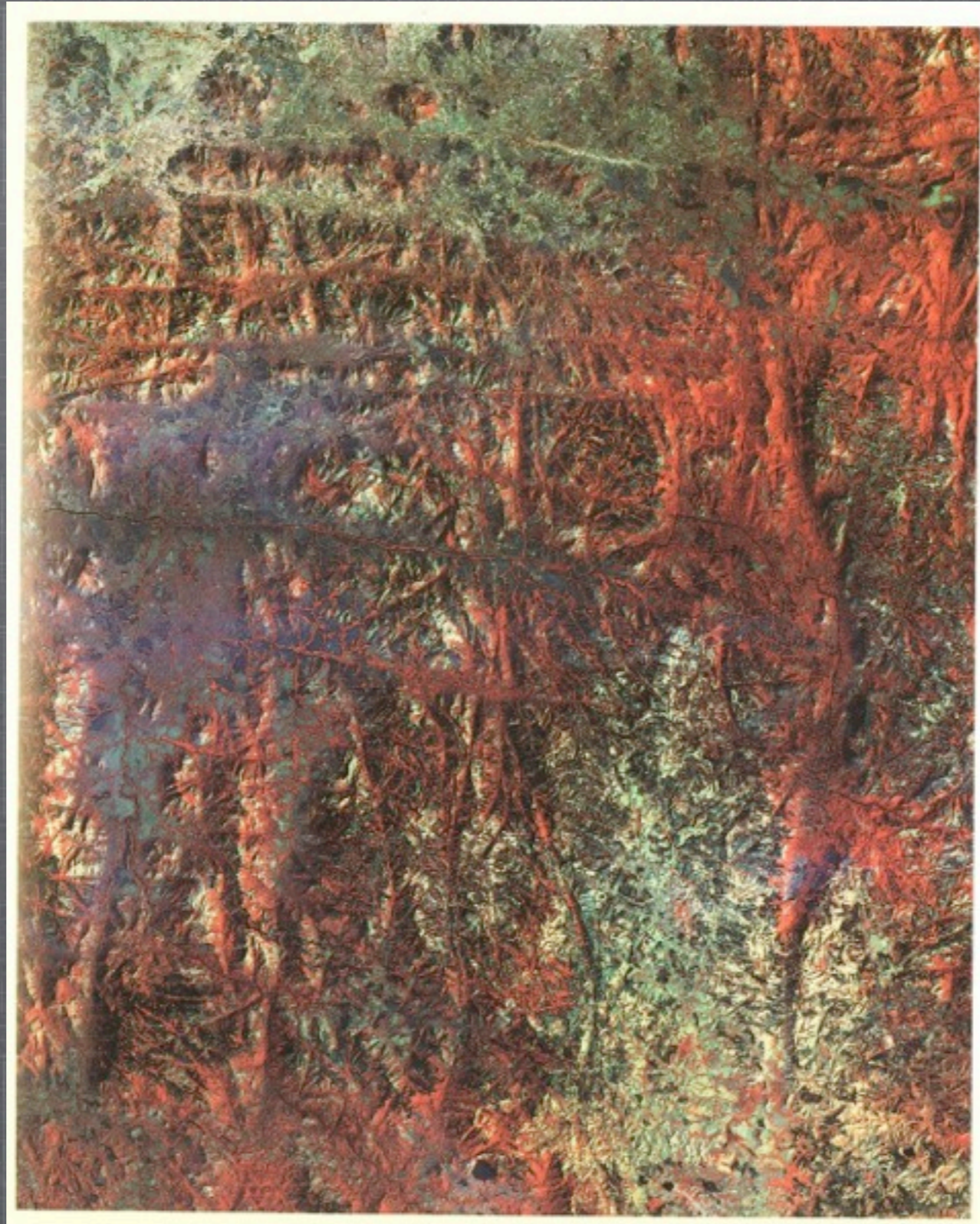
VINES

Briggs, p. 23



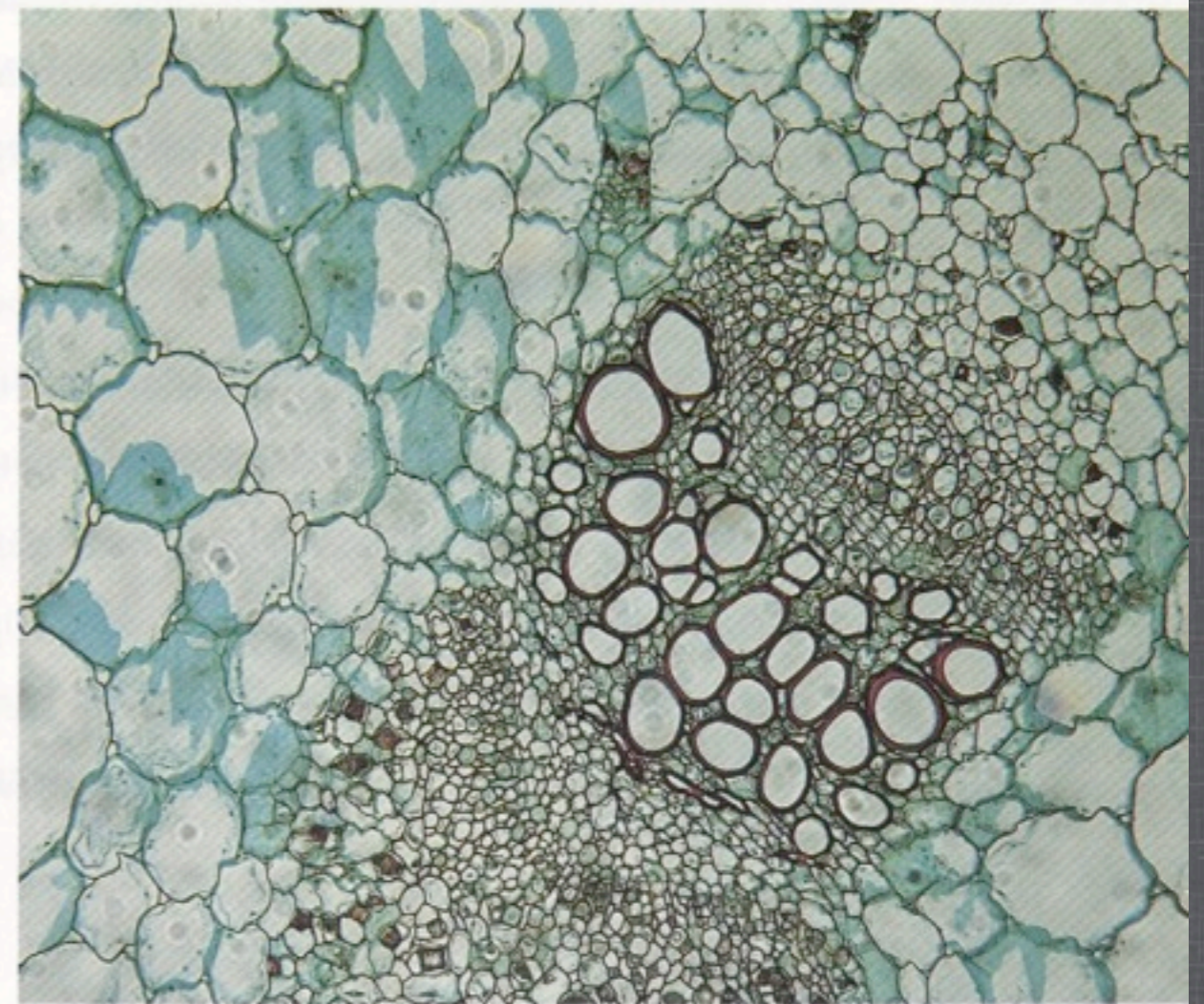
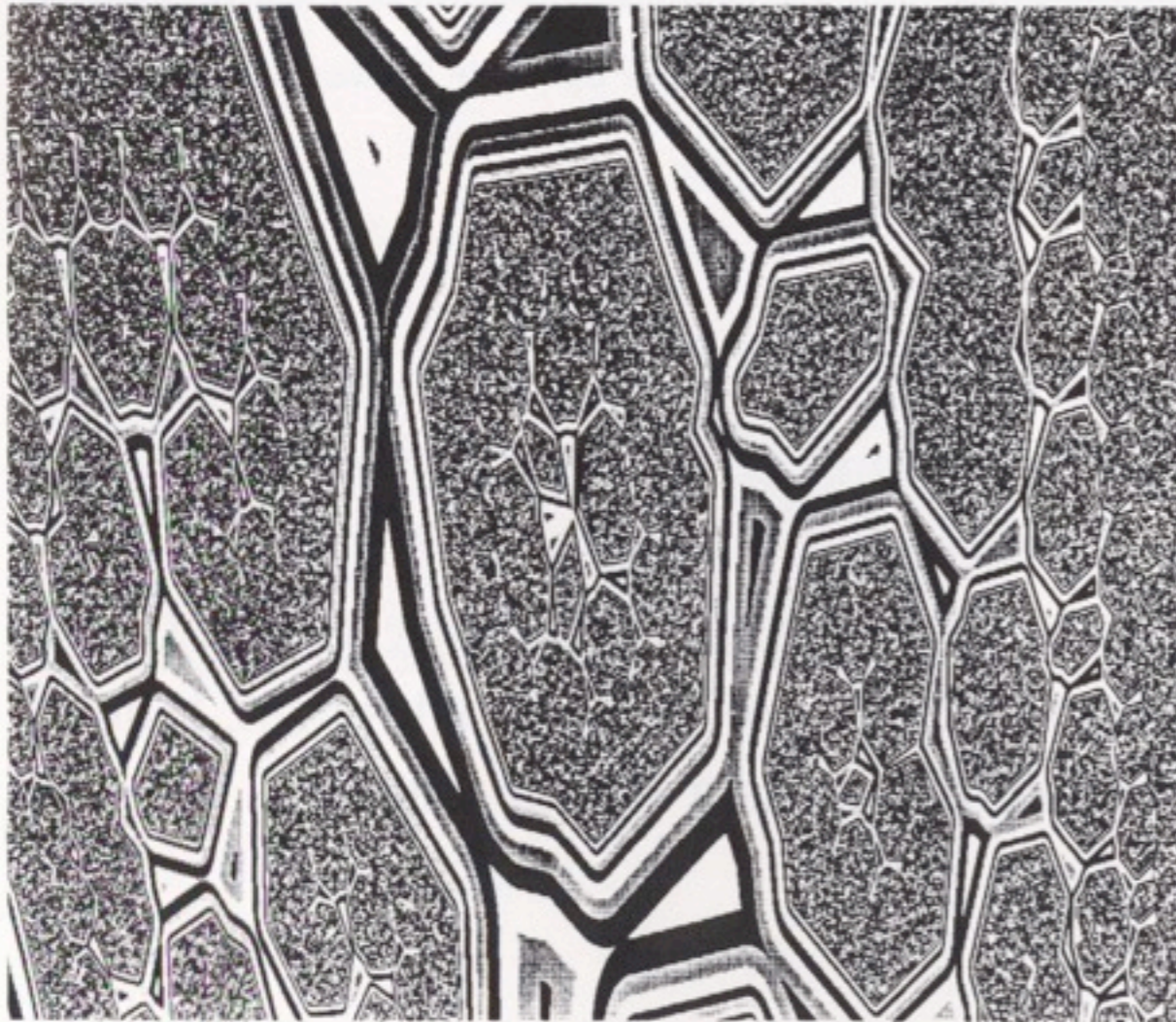
NACHUME MILLER, PAINTING

Briggs, p. 29



AERIAL OF AFRICA

Briggs, p. 33



CUCUMBER CELLS AND MANDELBROT SET

Briggs, p. 39



STARFISH

Briggs, p. 40



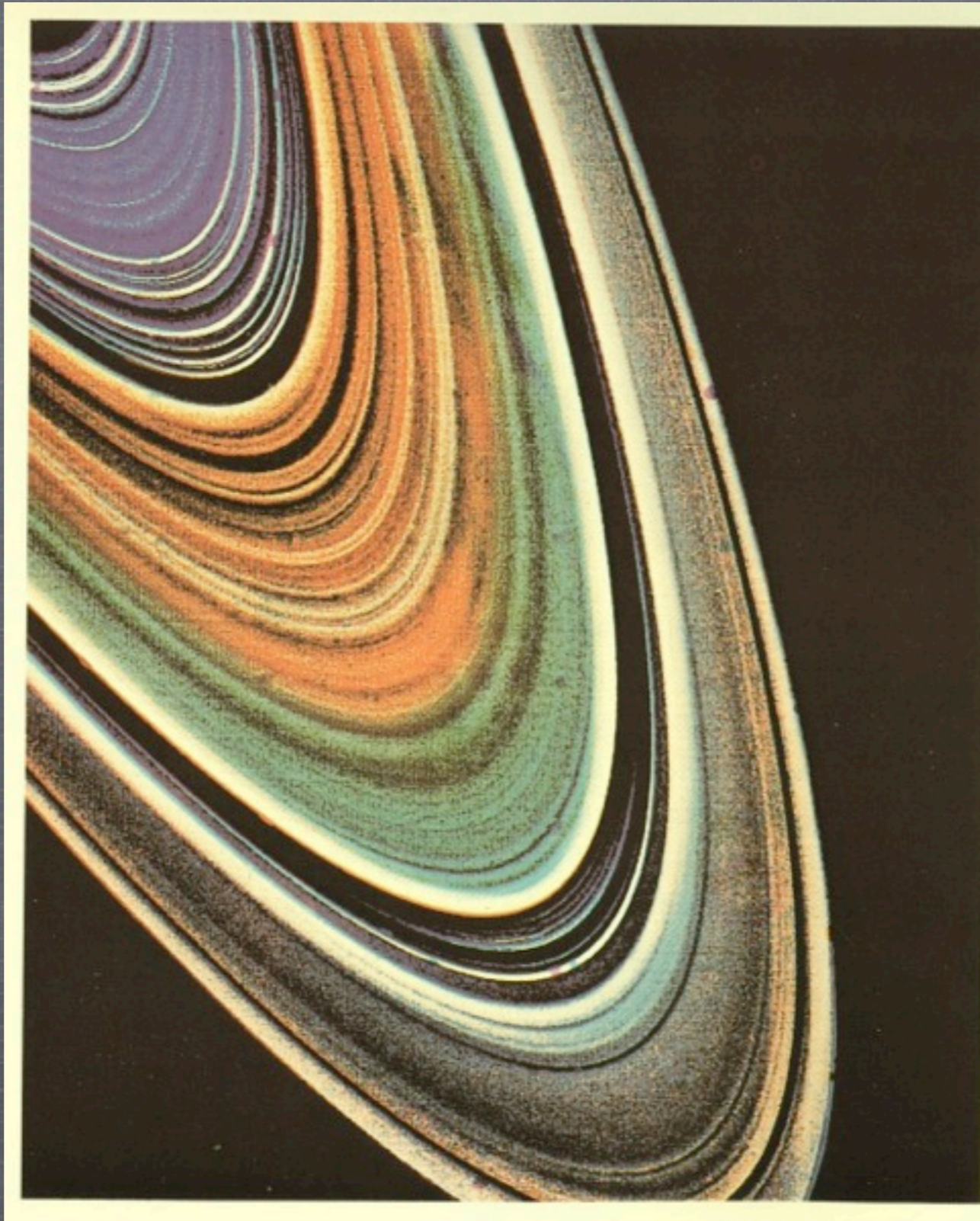
RESPONSE DIAGRAM BY ARTIST JENIFER BACON

Briggs, p. 44



VORTEX ON JUPITER

Briggs, p. 53



RINGS OF SATURN

Briggs, p. 54

END