



## Fractals and YinYang

I was thinking the other morning about two unrelated concepts (fractals and YinYang) which have absolutely nothing to do with stained glass, cross stitch, needlepoint, or quilting, or window clings, and have nothing to do with environmentally friendly ways to do crafts or be as "green" as possible, or for whom to vote in November. BUT, every day we dance on a line between these two concepts. An unbaked version of this idea popped into my head years ago (and has been cooking there for a while), and is about the relationship between negative and positive, good and evil, god and devil, up and down, on and off, 0 and 1, love and fear, past and present etc etc, and how these opposits relate to the physical universe. I have been thinking about how negative events can bring up the positive, how good can come from evil, how love given becomes love received, and so on. I have sometimes visualized this in my mind as YinYang (which had its origins a few centuries BCE, and is based on astrological phenomenon at least in part) (Fig.1). It seems pretty clear that there are opposing forces in the universe (or the multi-universe). So, visualize the YinYang concept of opposing forces (black and white), then along the lines between the black and white, add complexity (in this case a fractal pattern using the YinYang theme) with ever increasing detail and magnification)(Fig. 2). The fractal concept, you remember, translates into a kind of "coast line" effect (calculated with simple equations) and can be illustrated by looking from space at a coastline, then getting closer and closer and seeing more and more irregular detail, 'till one is down to looking at the tiny ripples in the water and grains of sand and ultimately, at subatomic particles.

So here is the connection--the dividing line between light and dark of YinYang at first appears to be solid and sharp, but in fact is a fractal edge, and at the highest magnification has very tiny iterations of the curves of the YinYang (the "irregular" coast line"). And with sufficient reiterations, there is ample space for all 6.5 billion of us to stand situated clearly with one foot on each of the two sides of the YinYang-fractal line, thus explaining our daily encounters with both good and evil, love and fear, dark and light and all the other paradoxes we all encounter.

### IN THIS ISSUE

SEPTEMBER...1

New Patterns ....2

Coupon.....2

Free Pattern.....3

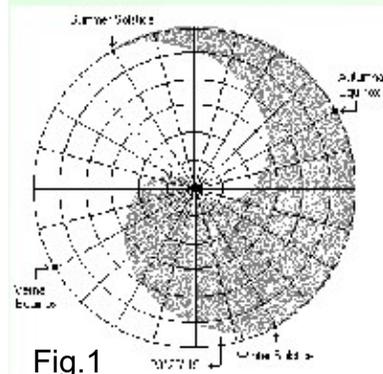
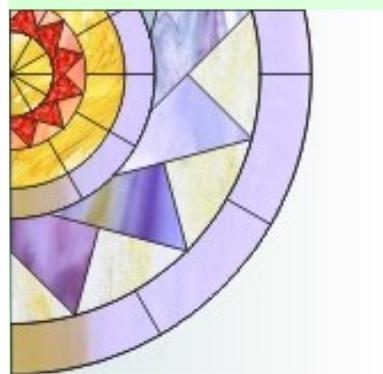


Fig.1



Fig.2

image by Kuhlmann??

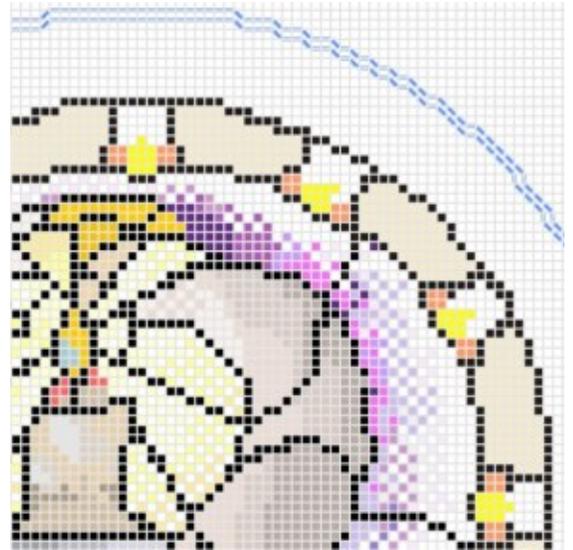
# new patterns

No computer catastrophies this month (whew). I posted quite a few new products this month. There wasn't any particular theme to these new patterns, but save yourself some time and just search NEW PATTERNS. Also, I finished one very complicated cross stitch pattern (Light Under a Bushel) taken from a stained glass pattern of the same name.

I am more than happy to try just about any custom pattern. I find that it opens my own vistas, and makes me aware of things I didn't know before. Don't be shy about asking.

Nine requisites for contented living: Health enough to make work a pleasure. Wealth enough to support your needs. Strength to battle with difficulties and overcome them. Grace enough to confess your sins and forsake them. Patience enough to toil until some good is accomplished. Charity enough to see some good in your neighbor. Love enough to move you to be useful and helpful to others. Faith enough to make real the things of God. Hope enough to remove all anxious fears concerning the future.

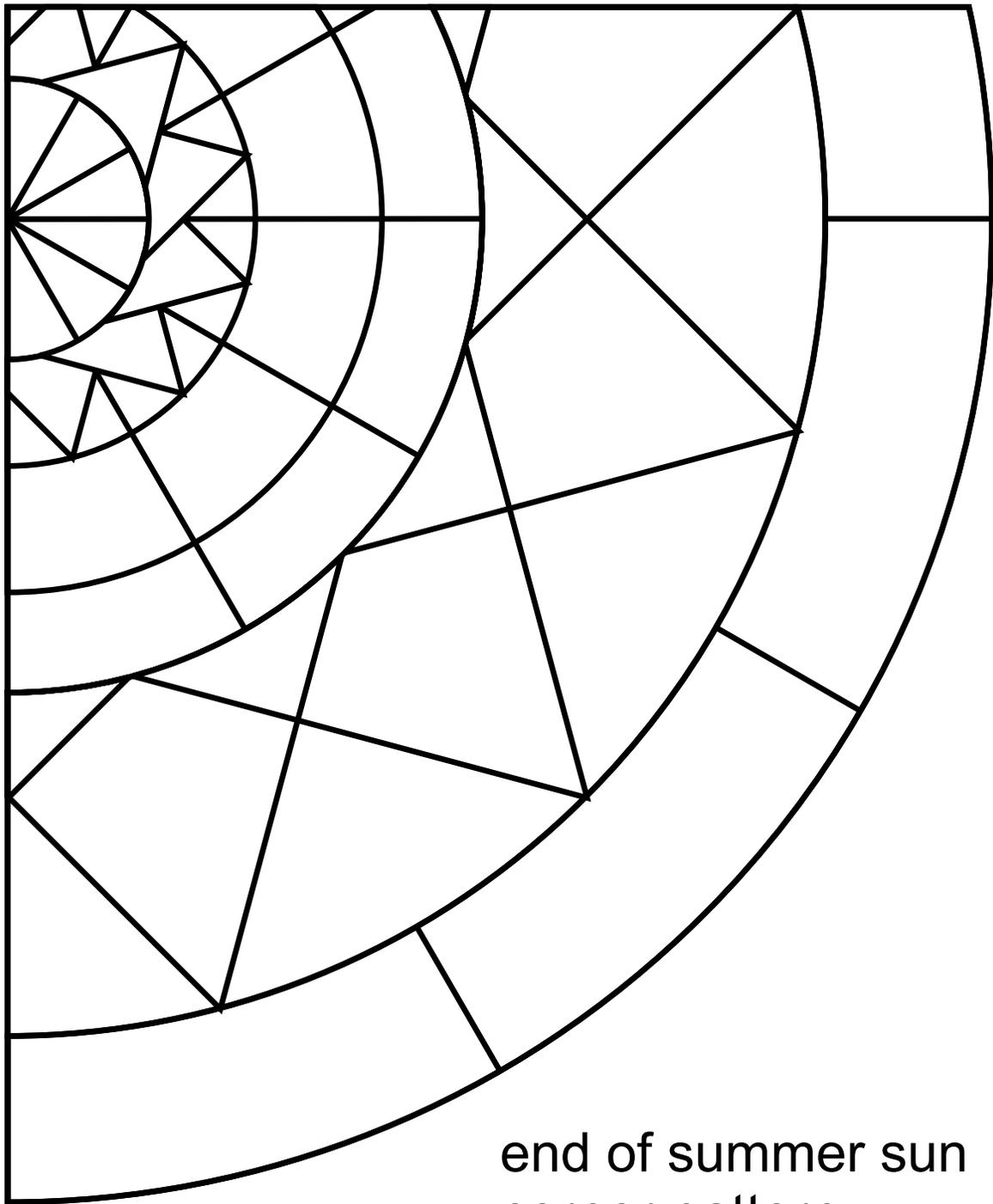
--Johann Wolfgang von Goethe (1749-1832)



Some of you last month emailed me about a free pattern in response to the coupon but never told me which stained glass pattern you wanted to receive..... please advise...and I will send. mm

**September COUPON**  
Buy one-get one free  
(use the comment line to tell  
me your freebie choice)  
[email marian@pdqpatterns.com](mailto:marian@pdqpatterns.com)

# pattern for September



end of summer sun  
corner pattern