

Contraction

noun: the process of becoming smaller; becoming more compact or more dense

noun: the act of producing offspring or multiplying by such production

noun: a coming into being

Russell

THE SOURCE OF SOLAR ENERGY

One of the greatest **mysteries** of **science** is the **source** of the **sun's renewing energy**.

?

At the present rate of **solar radiation**, the **sun** should have burned out long ago.?

What keeps its **fires burning**? What is it that **generates heat** in the **sun** to keep it from cooling?

?

One theory is that its **contraction** generates it, for **contraction** supposedly heats.?

But that is not the answer, for **contraction** does not **heat** nor **generate**. **Contraction** is possible only as a **result** of **generation**, not as its **cause**.

Generation must precede **contraction**. It does not follow it.

Heat follows as a result of **contraction**. **Heat** radiates. **Radiation** is the opposite of **generation**, and opposites act in opposite ways.?

Radiation expands and the resultant **expansion** cools; while **generation** contracts and the resultant **contraction** heats.

?Here again is the **father-mother principle** manifesting its **law of equal, opposite and sequential interchange**.

*The **cold** of expanded **space** generates the **sun's heat** by compressing large **volume** into smaller **volume**.*

The high **pressure** of **incandescence** is born from the low **pressure** of **vacuous blackness**, in accordance with the **law of rhythmic balanced interchange** between all **pairs** of **father-mother** opposites. [Walter Russell, *The Secret of Light*, pages 187-188]

"Positive electricity is force generated against **pressure resistance**. Positive intensity increases with **contraction** due to **pressure resistance** in **streams flowing** in **opposite directions**. Positive electricity is the **accumulating, absorbing, endothermic force** of **contraction** which seeks **higher pressures**." [Russell, from chart: *The Cosmic Pendulum*]

THE TEMPERATURE CYCLE

The temperature cycle resulting from balanced interchange between the **cold** of **space** and the **heat** of **suns** is as follows: **cold** generates; **generation** contracts; **contraction** heats; **heat** radiates; **radiation** expands, and **expansion** cools.

Thus, our hot **sun** is being generated from **cold space** via its **poles** and is radiated back again into **space** via its **equator** in accord with the **father-mother reciprocative process of inside-out outside-in turning**, and will continue to generate increasing **heat** in the **sun** until it becomes a true **sphere**. This spherical perfection has not yet been attained, for the **sun** has not yet reached the **amplitude** of its **wave** where all forming **matter** becomes true spheres.

ONE OPPOSITE BORN THE OTHER

When the **amplitude** position is attained, its **radiation** will then begin to exceed its **generation**. It will be in the same condition as a man who has just passed his maturity high point when **death** and **life** interchange their **preponderances**.?

From that point on, [cold space](#) will bore a [black hole](#) through the [sun](#) from [pole](#) to [pole](#) and it will expand into a giant [ring](#) centered by a smaller [sun recondensed](#) from the remnant of its expanding self. Many such [ring nebulae](#) are visible in the heavens, notably in the [Lyra Ring Nebula](#) (M. 57). (Fig. 61 pg. 252).

THE STARS TELL THE WHOLE STORY

Excellent examples of the [degeneration](#) of a [sun](#) into a [ring](#) or rings by the inside-out turning process of [negative electricity](#) are The [Owl Nebula](#), (M. 97) in Ursae Majoris and the Dumb Bell Nebula in Vulpeculae. (Fig. 62 pg. 252).

One can likewise witness this inside-out turning process in his kitchen range. Jets of burning [gas](#) are seen as a blue and green flame around [black holes](#) which center each jet. These gases are [negatively preponderant](#), which means that they are thrusting out from their [center](#) in excess of pulling inward from it. [[Walter Russell, The Secret of Light](#), pages 188-189]

Schauberger

Professor [Sauerbruch](#) was unaware that this [vacuum](#) comes into being through the [planetary movement](#) of the [blood](#). Had he known, then [medicine](#) would have taken a completely different course.

I was further able to prove that because contemporary machines operate using [centrifugence](#), [resistances to motion](#) with a [reactive function](#)[12] are

11 Here the German word is 'Qualitatstoff', which literally means 'quality-matter, or substance'. With this [Viktor Schauburger](#) intended to describe a higher, [4th](#) or [5th dimensional magnitude](#) of pure [quality](#) as a thing in itself and as the [driving force](#) in the raising of [quality](#) of whatever kind as a 'quality-producer' or 'quality-generating substance' or [energy](#). The English expression term 'qualigen' used here, is a **contraction** of the two words 'quality' and 'generator'. — Ed.

12 [Active](#) and [reactive](#) energies, [temperatures](#), etc.: 'Active' essentially relates to the more [physical dimension](#), to what is outwardly physical and perceptible, physically palpable, gravitationally affected or oriented, and [life-negating](#), i.e. to energies that tend to curb, limit and brake [life](#), [evolution](#) and [development](#). 'Reactive' on the other hand relates to more [metaphysical dimensions](#), to what is inwardly physically intangible, levitationally affected or oriented, and [life-affirming](#), i.e. to energies that tend to foster, re-animate and accelerate [life](#), [evolution](#) and higher [development](#). - Ed. [[The Energy Evolution - Harnessing Free Energy from Nature](#), [The Biological Vacuum - The Optimal Driving Force for Machines](#)]

See Also

Assimilation Concentration contract

[Figure 14.10 - Proportionate Tonal Relations dictate Contraction or Expansion](#)

[Figure 9.10 - Phases of a Wave as series of Expansions and Contractions](#)

[Figure 9.5 - Phases of a Wave as series of Expansions and Contractions](#)

Integration

[inwardly contract](#)

Syntropy

[5.8.5 - The complete Contraction Expansion Cycle is as follows](#)

[9.27 - Expansion and Contraction](#)