

# ***Cosmic Play in a Symbolic Universe...***

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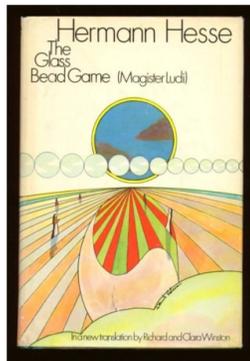
Question:

How to combine Science and Art?

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Answer:

## The Glass Bead Game by Hermann Hesse, 1943



Hermann Hesse (1877-1962)  
The Nobel Prize in Literature 1946

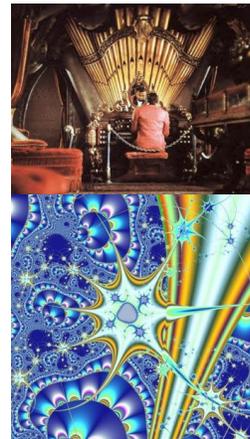
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Herman Hesse's Nobel Prize Winning Novel,

### ***The Glass Bead Game*** (GBG)

lays the foundations for an Artistic/Conceptual Game, which integrates all fields of Human and Cosmic Knowledge through forms of Organic Universal Symbolism, expressed by its players with the Dynamic Fluidity of Music.

The Glass Bead Game is an Age Old metaphor for what has been called, the "Divine Lila" (Play or Game of Life). This metaphor has been expressed by every great Wisdom Tradition known to man, and its players, the Magister Ludi (Masters of the Game), use as their instruments Ancient and Modern modes of Symbolic Wisdom traditionally presented through Sacred Art, Philosophy, Magic and Cosmology.



[source <http://www.futurehi.net/archives/000221.html>]

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Hesse himself calls the GBG "an eternal idea", and tells us:

*This same eternal idea, which for us has been embodied in the Glass Bead Game, has underlain every movement of Mind toward the ideal goal of a **universitatis litterarum**, every Platonic academy, every league of an intellectual elite, every rapprochement between the exact and the more liberal disciplines, every effort toward reconciliation between science and art or science and religion.*

Hesse's game is a formalization of something that poets, artists and philosophers have been working towards for many centuries and in a wide variety of cultures.



Magister Ludi  
Eberhard Wortmann  
The Birth Of The Soul, 1956

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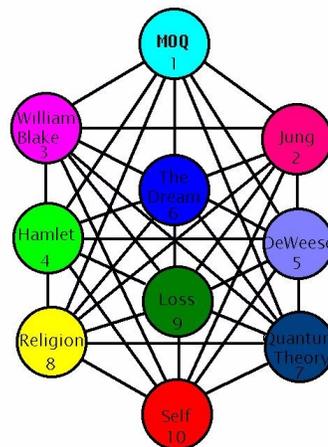
**The Glass Bead Game can be played in two modes:**

***The informal mode of play:***

The informal mode is a play of genius with genius across time: in other words, to play the Game in the informal manner is to juxtapose thinkers rather than thoughts -- though the thoughts in question will naturally interact with one another, and that interaction is the basis of the informal Game.

***The formal mode of play:***

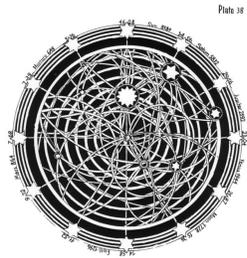
There is also a more stringent Game, and in it, the persons of the "worthies" and "saints" fall away, while their ideas remain "in play" -- and that play of ideas is given pattern. In this mode, GBG is a Game played with ideas for game pieces -- markers, counters -- and it is played across the entire gamut of ideas...



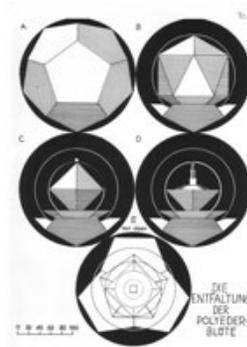
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Eberhard Wortmann (1891-1970)



THE SPHAIRION  
'THE FIRST HOROSCOPE'  
F- 44851

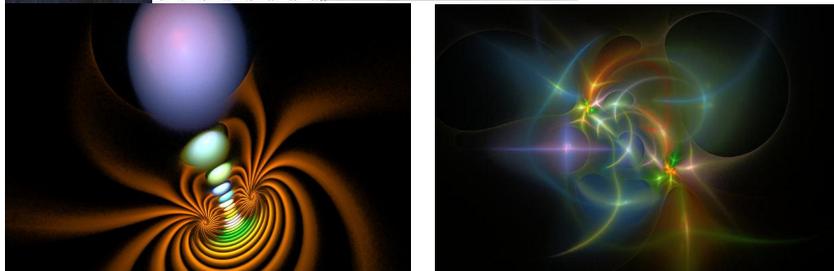


Component sphere Millimeter of Ed.	Critical frequency Megaohm of Hz	Intermediate spheres Millimeter of Ed.	Plate 4
3x	216	243	Orion 3x
4x	256	256	Orion 4x
5x	384	384	Orion 5x
6x	576	576	Orion 6x
7x	672	672	Orion 7x
8x	864	864	Orion 8x
9x	1152	1152	Orion 9x
10x	1440	1440	Orion 10x
11x	1728	1728	Orion 11x
12x	2160	2160	Orion 12x
13x	2592	2592	Orion 13x
14x	3136	3136	Orion 14x
15x	3680	3680	Orion 15x
16x	4320	4320	Orion 16x
17x	4960	4960	Orion 17x
18x	5600	5600	Orion 18x
19x	6300	6300	Orion 19x
20x	7000	7000	Orion 20x
21x	7700	7700	Orion 21x
22x	8400	8400	Orion 22x
23x	9100	9100	Orion 23x
24x	9800	9800	Orion 24x
25x	10500	10500	Orion 25x
26x	11200	11200	Orion 26x
27x	11900	11900	Orion 27x
28x	12600	12600	Orion 28x
29x	13300	13300	Orion 29x
30x	14000	14000	Orion 30x
31x	14700	14700	Orion 31x
32x	15400	15400	Orion 32x
33x	16100	16100	Orion 33x
34x	16800	16800	Orion 34x
35x	17500	17500	Orion 35x
36x	18200	18200	Orion 36x
37x	18900	18900	Orion 37x
38x	19600	19600	Orion 38x
39x	20300	20300	Orion 39x
40x	21000	21000	Orion 40x
41x	21700	21700	Orion 41x
42x	22400	22400	Orion 42x
43x	23100	23100	Orion 43x
44x	23800	23800	Orion 44x
45x	24500	24500	Orion 45x
46x	25200	25200	Orion 46x
47x	25900	25900	Orion 47x
48x	26600	26600	Orion 48x
49x	27300	27300	Orion 49x
50x	28000	28000	Orion 50x
51x	28700	28700	Orion 51x
52x	29400	29400	Orion 52x
53x	30100	30100	Orion 53x
54x	30800	30800	Orion 54x
55x	31500	31500	Orion 55x
56x	32200	32200	Orion 56x
57x	32900	32900	Orion 57x
58x	33600	33600	Orion 58x
59x	34300	34300	Orion 59x
60x	35000	35000	Orion 60x
61x	35700	35700	Orion 61x
62x	36400	36400	Orion 62x
63x	37100	37100	Orion 63x
64x	37800	37800	Orion 64x
65x	38500	38500	Orion 65x
66x	39200	39200	Orion 66x
67x	39900	39900	Orion 67x
68x	40600	40600	Orion 68x
69x	41300	41300	Orion 69x
70x	42000	42000	Orion 70x
71x	42700	42700	Orion 71x
72x	43400	43400	Orion 72x
73x	44100	44100	Orion 73x
74x	44800	44800	Orion 74x
75x	45500	45500	Orion 75x
76x	46200	46200	Orion 76x
77x	46900	46900	Orion 77x
78x	47600	47600	Orion 78x
79x	48300	48300	Orion 79x
80x	49000	49000	Orion 80x
81x	49700	49700	Orion 81x
82x	50400	50400	Orion 82x
83x	51100	51100	Orion 83x
84x	51800	51800	Orion 84x
85x	52500	52500	Orion 85x
86x	53200	53200	Orion 86x
87x	53900	53900	Orion 87x
88x	54600	54600	Orion 88x
89x	55300	55300	Orion 89x
90x	56000	56000	Orion 90x
91x	56700	56700	Orion 91x
92x	57400	57400	Orion 92x
93x	58100	58100	Orion 93x
94x	58800	58800	Orion 94x
95x	59500	59500	Orion 95x
96x	60200	60200	Orion 96x
97x	60900	60900	Orion 97x
98x	61600	61600	Orion 98x
99x	62300	62300	Orion 99x
100x	63000	63000	Orion 100x

THE TIMAEUS - NUMBER CHART

1 2 3 4 5 6 7 8 9

The informal mode of play ('thinkers'):



(source <http://brainpaint.com/gallery1/index.htm>)

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***The formal mode of play ('thoughts'):***

**The thoughts can be of any sort:**

The thoughts with which GBG is played may not only be drawn from any discipline, art or science -- they can also be expressed in musical, mathematical, textual, visual or choreographic form. The Game is not a Game of words only, but of thoughts, theories, concepts and ideas of all sorts, musical, verbal, numerical, visual, kinaesthetic...

And this breadth of ideation, this willingness to include pictorial, sculptural, architectural and even choreographic ideas within the scope of the game is important, because it returns the Game itself to the body, heals the Cartesian split between body and mind and returns us to an earlier unity.



1 2 3 4 5 6 7 8 9

Thank you for your attention

**HISTORICAL MAGISTER LUDI** (source <http://www.glassbeadgame.com/>)

**Leonardo Da Vinci**

Leonardo was a Magus and Grand Master of a Secret Esoteric Society, and his art is filled with codes and allusions to the Sacred Sciences, if you know how to look.

**Raymond Lully**

This 13th century philosopher & mystic developed a Cosmological Art using geometric logical calculators to symbolically represent all Universal Knowledge.

**Giordano Bruno**

This famous 17th century Mystical Cosmologist & Hermeticist developed a systematic philosophy of nature represented in geometric images, signs & symbols.

**Robert Fludd**

Fludd was an exponent of Renaissance Neoplatonism, and produced a cosmology using Musical Harmonics as a model of Universal Order.

**Athanasius Kircher**

A true Renaissance Man with one of the most all-encompassing minds ever known, producing scientific & encyclopedic works and diagrams in every known field.

**John Dee**

Renowned Magus, & court astrologer to Queen Elizabeth, Dee discovered the Monus Hieroglyphica, a symbolic hieroglyph expressing the unity underlying the Cosmos.

**Joseph-Marie Hoene Wronski**

Teacher of Balzac & Eliphas Levi, Wronski perceived a Universal vision integrating all science & philosophy into a unified system. He produced famous mathematical theorems, & the Nazis stole his work during WW2 hoping to produce advanced weapons from his illumined insight.

**R.A. Schwaller de Lubicz**

Master Alchemist, Egyptologist, Pythagorean, & one of the greatest thinkers of the 20th century, Schwaller completely deciphered and unveiled the scientific Symbolique and Cosmology of Ancient Egyptian.

**William D. Gann**

Qabbalist, Astrologer, Natural Cosmologist, Hermeticist, Gann integrated the esoteric & scientific systems & found an unusual application in financial markets forecasting using sacred geometric & numerical calculators.

**GLASS BEAD GAME SCHOOLS** (source <http://www.glassbeadgame.com/>)

**Rishis of the Rg Ved**

The Seers of Ancient India concealed in their Sacred Vedic Scriptures numerical, geometric & astronomical codes revealing the natural order of the universe.

**Chinese I-Ching Sages**

Heavily drawn upon by Hesse in the GBG, this Ancient Chinese Tradition uses a sophisticated system of symbolic hexagrams to reveal the hidden patterns of consciousness.

**Ancient Egyptian Priesthood**

The most scientifically & technologically advanced civilization on Earth, the Ancient Egyptians possessed an unfathomable insight into Universal Cosmology coded in advanced Hieroglyphic & Architectural Symbolique.

**Pythagorean Brotherhood**

An Egyptian Temple Initiate, Pythagoras presented the first Western system of Cosmology, the Quadrivium: Arithmetic, Music, Geometry, & Astronomy, which has provided the primary inspiration for all Western Scientific & Esoteric traditions since his time.

**Platonic & NeoPlatonic Academies**

The works of Plato are written in a geometric cosmological code based upon Egyptian & Pythagorean Cosmologies, known only by the most advanced Esoteric Schools, & provide a wealth of universal insight if one has their keys.

**Jewish Qabbalists**

The oldest Biblical writings possess astrological codes interpreted through arithmetical & geometric keys passed down through the mystical tradition of Qabbalah.

**Freemasons & Cathedral Builders**

The Great Gothic Cathedrals are Cosmologies in stone, designed according to harmonic proportions symbolizing the ordering system of the Cosmos, & built by a secret order of Freemasons tracing their origin back to King Solomon.

**Medieval Alchemists & Hermeticists**

The symbolic systems of mysticism and cosmology encoded by these secret orders into organic and pictorial forms of symbolism represent the most advanced science of spiritual & material transmutation known to the world.