

ON THE MATHEMATICAL EXPRESSION OF THE INTERPRETATIVE EXERCISE

DAVID BUSTAMANTE SEGOVIA | HOUSTON, TX

ABSTRACT

Any given placement (e.g. Sun in Taurus; Mars in Capricorn; Mercury in the third house) is *necessarily* common to tens of thousands of people. Saturn in the ninth house, for example, will not behave the same or produce the same effects in the twenty or one hundred charts in which we find it there. In each case Saturn will behave in accordance with the rest of the astrographic/chart composition (as if we stayed in the same hotel in different epochs or different people contracted the same disease; our stay will be different each time, according to the epoch, and each person's symptoms will too, be different, according to their individual biochemistry; not to mention that each chart or astrography, like each genetic code or sequence, is unrepeatable). Certainly, "no planet can produce, on its own, what only the combined or concerted action of all can" (BUSTAMANTE, 2023, SPICA magazine, pp. 93-111). Hence the *synergistic* nature of the interpretative exercise (i.e., the whole is greater than all its parts). The fundamental component of the mathematical expression of the interpretative exercise is: *astrological triangulation*, the functional denomination for what we know as *synthesis* (WEISS, 1946; LEO, 1983, HAND, 1981). In order to demonstrate its usefulness, as well as the

convenience of its mathematical expression, we have chosen two individuals (JEFFREY DAHMER, STEVEN SPIELBERG) whose astrographies do not—according to the community—explain their lives. The rest of the astrographies correspond to those of serial killers JOHN WAYNE GACY, DAVID CARPENTER, and TED BUNDY. ● We explain, by means of *algebraic* notations, the *synthesis* and the functional values that make up the *synthesis*. ● We take the Moon and Neptune as relevant bodies for the purpose of diagnosing or studying endocrine or neurohormonal issues, and Mars, Pluto, and Saturn as relevant planets for the purpose of inferring violence or sinister behaviour, upon the case, and quadratures or oppositions—and conjunctions—between Venus and the Moon, the Moon and Neptune, and the Sun or Venus and Neptune or Uranus as *indicators* of neurohormonal disorders and/or sexual deviance (APA definition)¹. ● We consider quadratures (90°) or oppositions (180°)—and conjunctions—between Mercury or the Moon and Saturn, or between Mars or the Moon and Saturn, Uranus, Neptune, and/or Pluto as powerful indications of violence or mental disorders, upon the case. ● We have also regarded Sagittarius as a sign as expansive and abundant as its ruler, Jupiter, according to the best of its characterisations (or as an exceptionally swift and wild sign, according to other characterisations), and the fifth region of a natal chart as one closely related to fortune in a broad sense (material and immaterial). ● Because we advocate the idea that orbs should be predicated of the planet (size, speed), not the aspect itself, the gas giants (Jupiter, Saturn, Uranus, and Neptune) and the Sun have been granted up to 10° of

¹ We, preemptively, address any prejudice according to which the present publication establishes a relationship or correlation between violence, perversion, or psychopathy and a specific sexual orientation, as this is not a scientifically valid inference (i.e., humanity has serial killers of all sexual orientations and renowned individuals of all sexual orientations without the vast majority of

either groups having a specific sexual orientation). There is no relationship between good or evil and sexual orientation. The author, for his part, like science, has both explained sexual orientation as a strictly genetic factor and defended the scientific basis of the rights of the LGBTI community.

orb (or 12°, in the case of *broad influence*²). We understand aspectual relationships as angular relationships held between two or more celestial bodies placed in signs with at least one property in common (according to our *molecular theory of the ecliptic*, compatible with the *optical theory of the aspects* from the Hellenistic tradition³)⁴.

INTRODUCTION

A scientist is aware of the type of experiment to which they must or can subject an observable phenomenon; not without first understanding the phenomenon, nevertheless. To do otherwise would resemble an engineer pretending to measure all surfaces on a projective plane in the same way, including the dimensions of the Earth, thus demonstrating a lack of topographical knowledge or understanding. For some surfaces (e.g. curves), the expert will find it necessary to triangulate and enter the world of geodesy. In our profession, it is the same with regard to interpretation: we ought to weave the **threads** of the chart until the interpretable figure is formed; or bring its **graphemes** together until the intelligible word appears.

Mathematics, like all disciplines that use it, is only a tool, a resource, like allegory or metaphors. Although mankind has sometimes abused it (even to the point of obscuring or clouding the answers we seek), no one has bothered to express mathematically the

variables that, in astrology, constitute the fundamental components of the interpretation.

In the analyses you will find, we highlight the main placements that we believe are genetically responsible for the facts we know about each individual.

SYMBOLS

The following tables show the **traits** we have selected from the signs and planets so that you may understand the **relevance** of the placements in each example. Said traits represent the worst or most primitive expression of the signs and/or planets, instead of those most noble or chivalrous because of the criminal profile of four of the five examples (e.g. instead of Leo's courage and justice, its passionism and egocentricity; instead of Sagittarius' philosophy or moral integrity, its disorder and savagery; instead of Pisces' subtleness or compassion, its fantasy and disconnection from reality).

According to the *molecular theory of the ecliptic* (tropical Zodiac)⁵, the ecliptic constitutes a physical-chemical entity whose twelve segments into which the circumference is divided are embedded with specific properties (molecules or gases) whose behaviour explains the characteristics of the signs and the tendencies of the planets as they traverse or pass through these segments.

² "Broad influence" refers to two types of propagation of astral energy: (a) A planet in a house occupying the sign that serves as the cusp sign to the next house spreads its effects both into the house wherein it is lodged and the next. (b) A planet holding an aspect with another planet while this one appears conjunct another with which the first planet does not hold an aspect, the second extends the effects of said aspect to the third body.

³ In *Justificación astrológica de los símbolos astrológicos* (January, 2024. Ediciones Sagitario. DOI: 10.5281/zenodo.10463824) we explained that the optical theory of the aspects constitutes but an

allegorical expression of a physical-chemical reason that justifies too, among other things, the "malefic" nature of certain houses.

⁴ The conjunction, the sextile, the quadrature, the trine, the sesquiquadrature, and the opposition constitute aspects because the signs in which they are produced hold the necessary potential to make the bodies occupying them "react" (see covalent bonds). An "out-of-sign" aspect is relatively inoperative.

⁵ Presented in the *Appendix* of the aforementioned thesis (DOI: 10.5281/zenodo.10463824).

S.	SIGN	E.	TRAITS (BUSTAMANTE; DR. WEISS)
♈	ARIES	<i>fire</i>	primitive, rustic, impulsive, daring, warlike, conflict-ridden tendencies
♉	TAURUS	<i>earth</i>	sensual, greedy, vehement, possessive tendencies
♊	GEMINI	<i>air</i>	nervous, convertible, cognitive, neurological, versatile, volatile, ephemeral tendencies
♋	CANCER	<i>water</i>	endocrine, neurohormonal, lymphatic, susceptible tendencies
♌	LEO	<i>fire</i>	effusive, passionate, vehement, daring, despotic, egocentric, conceited tendencies
♍	VIRGO	<i>earth</i>	metabolic, neurological, biochemical, pharmacological, meticulous, analytical tendencies
♎	LIBRA	<i>air</i>	affable, diplomatic, sociable, subtle, caring tendencies
♏	SCORPIO	<i>water</i>	endocrine, necrotic, surgical, cold, malicious, unscrupulous tendencies
♐	SAGITTARIUS	<i>fire</i>	volatile, quick, effusive, wild, rebellious tendencies
♑	CAPRICORN	<i>earth</i>	calcifying, materialistic, cold, opportunistic or self-interested, avaricious tendencies
♒	AQUARIUS	<i>air</i>	nervous, lightning, erratic, neurotic, variant, abnormal, inventive tendencies
♓	PISCES	<i>water</i>	endocrine, neurohormonal, fanciful or visual, schizophrenic, comatose tendencies

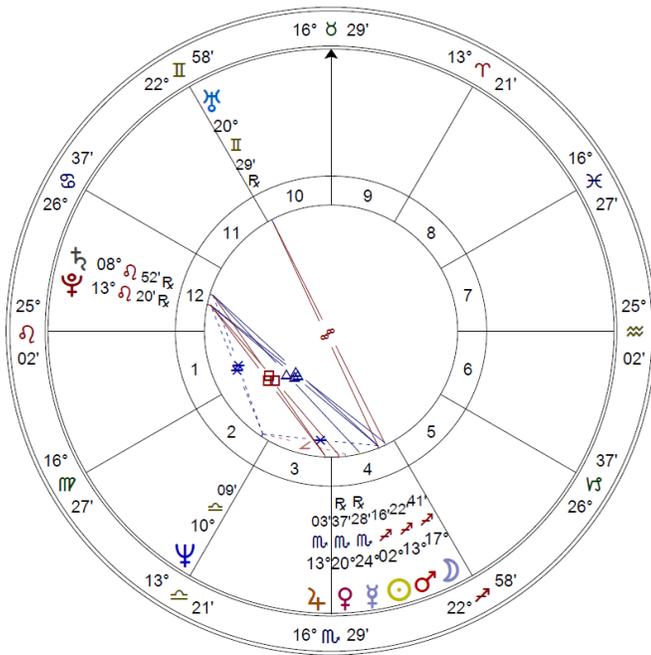
S	PLANET	TENDENCY (DR. WEISS)	(BUSTAMANTE)
☾	MOON	magnetic, tornadic, neurohormonal	hypothalamus, glands
☼	SUN	electric, powerful, daring, effusive	brain, consciousness, ego
☿	MERCURY	convertible, excitable, mobile, volatile	cognition, movement
♀	VENUS	magnetic, personable, creative	“pair” glands, corpus callosum
♂	MARS	destructive, predatory, murderer, primitive, daring, surgical	sharp elements
♃	JUPITER	expansive, hyperbolic, rebellious, wild, savage	arteries, large organs
♄	SATURN	unscrupulous, oppressive, restrictive, cruelty, perversion	bones or skeleton
♅	URANUS	eccentric, sudden, abnormal, convulsive, disruptive	synapse, gyrification, and metacognition
♆	NEPTUNE	magnetic, chaotic, neurotic, fallacious, schizoid	hormones and metacognition
♇	PLUTO	excessive, overpowering, destructive, unscrupulous, cruel	metacognition

S	PLANET	CLASSIFICATION	COMPOSITION
☾	MOON	rocky	oxygen (43%), silicon (21%), aluminium (10%), calcium (9%), iron (9%)
☼	SUN	gaseous	hydrogen (75%) and helium (25%)
☿	MERCURY	rocky	potassium (31%), sodium (25%), oxygen (15%), argon (7%), helium (5%)
♀	VENUS	rocky	carbon dioxide (96%), nitrogen (3%)
♂	MARS	rocky	carbon dioxide (95%), nitrogen (2%), argon (1.6%)
♃	JUPITER	gaseous	hydrogen (81%), helium (17%)
♄	SATURN	gaseous	hydrogen (93%), helium (5%)
♅	URANUS	gaseous	hydrogen (83%), helium (15%), methane (2%)
♆	NEPTUNE	gaseous	hydrogen (84%), helium (12%), methane (2%)
♇	PLUTO	rocky	nitrogen (90%), methane (10%)

E X A M P L E S

Even though we stated the relevant traits in the tables, we will repeat, in a (grey) parenthesis, those which (a) we consider crucial in the “diagnosis” or that (b) tend to not be taken into consideration by the community (if not ignored). In this case, it would be difficult to reject such significations, as they retain explanatory power. References to said significations can be found in, among others, DR. LEHMAN’s particularly useful *Book of Rulerships*.

1) THEODORE R. COWELL (TED BUNDY) – AA



Born the 24th of November, 1946 at 22:35
in Burlington, Vermont (USA)

- BUNDY presents his natal ruler (Sun) in Sagittarius conjunct Mars and Mars conjunct the Moon (hypothalamus)⁶, while the latter two, Mars and the Moon (angular), have a particularly tense aspectual relationship with none other than Uranus in Gemini (volatile), also angular.
- Mars (astrological gene of aggression or murder)⁷ is conjunct the natal ruler in Sagittarius, and this, in turn, conjunct Mercury (cognition) in Scorpio (analytical, passive-aggressive). Mars as well as the Sun and Mercury hold nefarious quadratures with Saturn and Pluto (explosive) in Leo (fiery or suffocating, scorching) in H12 (endocrine, psychic).
- Because Jupiter (R5 and R8), Venus (R3), and Mercury (co-R1⁸) are conjunct (in Sagittarius, fire; and Scorpio, water), the three hold, by virtue of *broad influence*, a quadrature with Saturn and Pluto in Leo (fire), also conjunct. The quadrature, then, is not only between Venus and Pluto and between Saturn and Jupiter, but between both conglomerates: the Sagittarian and the Leonine (two fire signs serving as means of expression for planets COLD and DRY, according to tradition).
- Of the above bodies, the Moon (hypothalamus) rules H12 (endocrine, psychic) and Mars a portion of the third (16° of Scorpio in it⁹). The Sun, in turn, rules the first and much of the

⁶ Freund, P. (2006). *Vedic Literature Reading Curriculum (Chapter 8: Vedic Astronomy and Astrology)*. Maharishi University of Management. Iowa, United States. p. 505.

⁷ According to Lilly and Ptolemy in Lehman, Dr. J. (1992). *The Book of Rulerships: Keywords from Classical Astrology*. Whitford Press. Pennsylvania, Estados Unidos. p. 151. Also, according to Weiss, A. (1993). *Astrología Racional*. Kier. Buenos Aires. pág. 138.

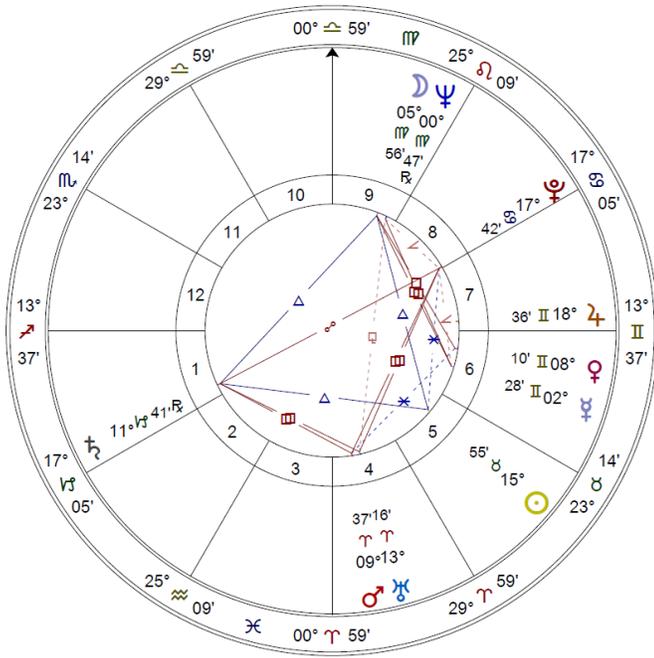
⁸ Pursuant to the *heterogeneity* we consider necessary in any nativity and that only a quadrant house system such as Placidus or

Polich-Page (topocentric) can reflect better than any other⁵, we can establish that the majority rulers of the first and twelfth regions of the astrography are Mercury and the Sun, respectively (without that meaning to say that the Sun ceases to preside over H1 or the Moon over H12). On the influence of planets co-ruling a house, see Morin de Villefranche (2008, AFA): *Books 17* (pp. 69-72) and *21* (p. 91), as well as Louis, A. (March 24, 2023). Morin’s Use of Secondary Houses. *Anthony Louis Astrology and Tarot Blog*.

⁹ Idem.

twelfth (25° of Leo in it); Jupiter (rapturous, swift), the fifth (courtship); Venus (corpus callosum, love and feminine figures), the third (cognitive development); Mercury, much of the first (16° of Virgo in it) and is dispositor of Uranus (opposing the Sagittarian conglomerate).

2) DAVID CARPENTER – AA

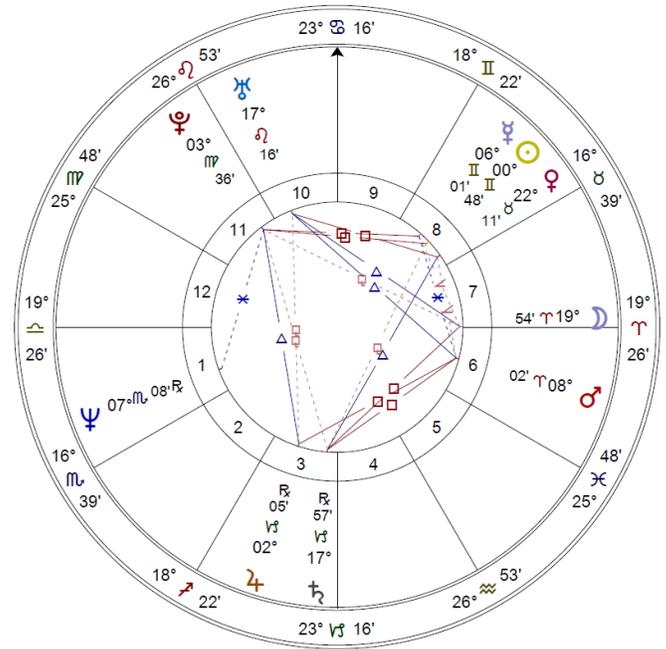


Born the 6th of May, 1930 at 21:16
in San Francisco, California (USA)

- Mars (astrological gene of aggression/murder) is conjunct Uranus (disruptive, neurotic) in Aries holding a quadrature with Pluto (explosive) in H8 (sinister).
- The H8 significator, Moon (hypothalamus), is conjunct Neptune (endocrine, neurological) in Virgo (neurological) in quadrature to Mercury (cognition) and Venus (creativity) in Gemini (volatile) in H6 (neurological).
- In H1 we will find Saturn afflicted by an exceptionally violent conjunction already

described above, Mars/Uranus, as it holds quadratures with both of them.

3) JEFFREY DAHMER – AA



Born the 21st of May, 1960 at 16:34
in Milwaukee, Wisconsin (USA)

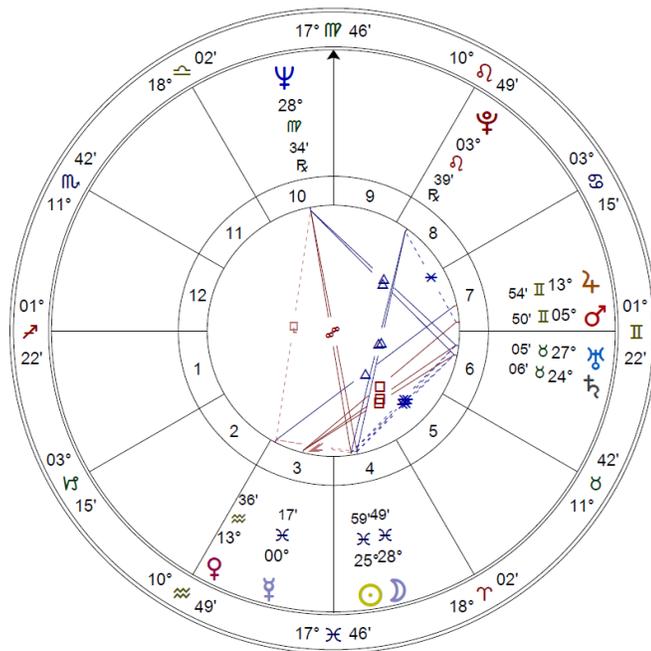
- Venus, the planet that rules his ASC under the influence of a possessive sign (Taurus), holds a quadrature with Uranus in Leo, the natural sign of the scorching Sun.
- This Sun (power) is in a particularly volatile sign (Gemini) in H8 (sinister) sustaining a quadrature with none other than Pluto (explosive) in Virgo (neurological, metabolic).
- Jupiter, on the other hand, as R3 (cognition), is in its fall (Capricorn) in the same region of the chart where we find Saturn under the influence of its natural sign, Capricorn (rigours, controls). The former holds a quadrature with (predatory) Mars in a region related to nutrition (H6), perhaps accounting for cannibalism, and the latter with the Moon (hypothalamus) in Mars' sign, Aries.

- Neptune drinks from the water of one of Mars' natural signs, Scorpio, in the first region of the chart and we have already described the **cosmic state** of this planet according to the quadrature it holds with the gas giant (**hyperbolic**) in no less than a cognitive region (H3) under the influence of a cold and calculating, rigorous and controlling sign (Capricorn).

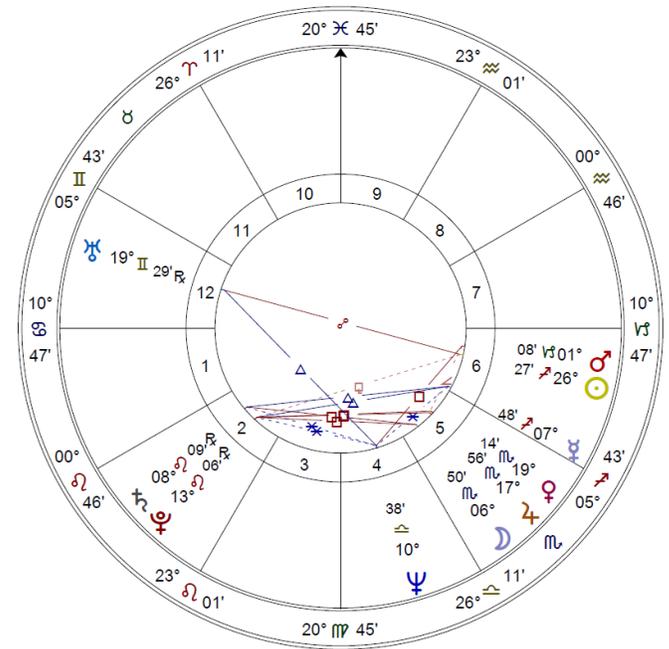
- The luminaries (Moon: hypothalamus; Sun, consciousness) are afflicted in a neurohormonal sign (Pisces) and are opposed by a profoundly endocrine and/or neurohormonal planet (Neptune) under the influence of Virgo (neurological, metabolic, biochemical).

5) STEVEN SPIELBERG – AA

4) JOHN WAYNE GACY – AA



Born the 17th of March, 1942 at 00:29
in Chicago, Illinois (USA)



Born the 18th of December, 1946 at 18:16
in Cincinnati, Ohio (USA)

- Mercury is in Pisces (neurohormonal, endocrine, fanciful, schizoid) in a region of the chart related to cognition (H3) in quadrature with Saturn (malefic) and Uranus (disruptive, neurotic) in a neurological region (H6).
- Mercury (cognitive) is also in quadrature with Mars (aggression) in a volatile and cognitive sign (Gemini), and this, in turn, is conjunct the natal ruler, Jupiter.

Some wonder how SPIELBERG's chart would explain his fortune. They question the astrological cause and have gone so far as to say that his Saturn must have made it impossible, as (a) it is the malefic contrary to the sect of the chart and (b) it is in exile (c) conjunct Pluto (d) in quadrature to the Moon (ruler of the ASC) in the 2nd House.

- Leo, no less than the sign of gold, looms over the native's H2, while the Sun is in Sagittarius, a particularly expansive or voluminous sign, being the only mutable fire sign (fire proliferates or spreads at great speeds) and the natural sign of

Jupiter (R10 lodged in H5). This alone promises, or should promise, ample cash flow, especially if

- The enterprising or productive Mars (co-R10) accompanies the Sun (R2) under the influence of its exaltation sign, Capricorn (professional). Mars then holds ample rights over the house of the throne and prestige, as most of Aries degrees intrude into this region of the chart.
- Mars also serves as a powerful second ruler of the fifth region (investments), as his other natural sign, Scorpio (paranormal), is intercepted in it, making Mars the natural dispositor of the Scorpio bodies, i.e. the Moon (imaginative), Jupiter (R10) and Venus (art).
- The latter also hold rights over that region beyond their physical presence, for Libra (contractual, decorative, and/or aesthetic sign) looms over the cusp of H5, which captures at least five degrees of Jupiter's sign, Sagittarius.
- Leo may well be Saturn's exile, but Saturn is still a gas giant and Leo is still the sign of gold. Would doubting the throne be the first thing we would think of a native whose H10 features Saturn in Leo (regardless of the sect)?

Triangulation, despite having its origins in navigation and topography, is used in many disciplines¹⁰ (especially in social sciences), but it has never been mentioned in astrology. Its concept, however, is extremely useful, as for any astrological diagnosis or prognosis we ought to conduct a qualitative auscultation of the birth chart, as we did in the preceding paragraphs.

Professor ARIAS VALENCIA¹¹ defines triangulation as a method comprising “the combination of two or more data collections with similar approximations in the same study in order to measure a specific variable” which, in the case at hand, would be a particular issue in the life of the native: aggression or propensity to violence¹². Let us repeat, then, ARIAS VALENCIA's definition with our corresponding parentheses this time: “the combination of two or more data collections (houses, signs, and celestial bodies) with similar approximations (redundancy or convergence) in the same study (astrography) in order to measure a specific variable (aggression or violence)”.

Because triangulation constitutes a qualitative research method involving the articulated use of two or more techniques, data sources, theories, or researchers to obtain plausible results, we must appeal to it in order to explain the *synthesis*¹³.

¹⁰ Social sciences, trigonometry, and computer science, among others. We speak, then, of methodological triangulation and of triangulation of data, researchers, and theories.

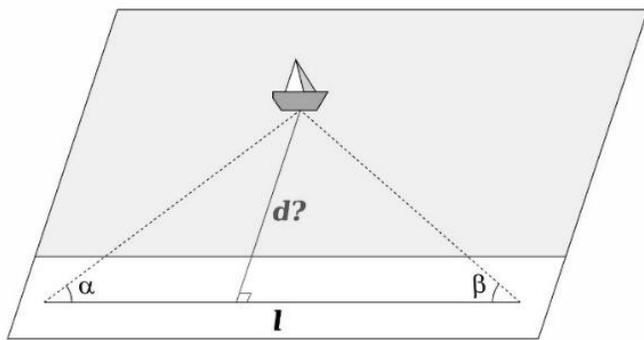
¹¹ Arias Valencia, M. (2000) *La triangulación metodológica: sus principios, alcances y limitaciones*. Revista UDEA. Medellín, Colombia.

¹² We recommend the reader our pedagogical albums: <https://sagittariusdb.com/albumes-pedagogicos/>, as they are

guides to the (delineation) procedure that the professional or student should follow if they wish to investigate a certain topic (health or illness, profession or talent, etc.) in the birth chart.

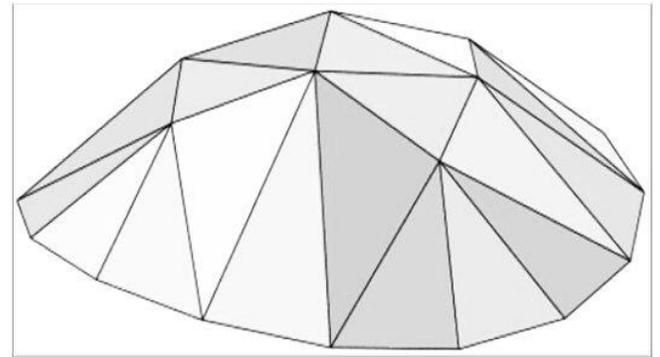
¹³ See volume *La síntesis (The Synthesis)* in Weiss, A. (1945). *Astrología Racional*. Kier. Buenos Aires, Argentina. See too page 190 in Leo, A. (1983). *The Complete Dictionary of Astrology*. Destiny Books. Vermont, USA.

Just as measurements taken from two different points **converge** on a point in space (topography), astrological triangulation will allow us to determine the point, no longer of the Earth's surface, but of the native's sphere of thought or life on which the different astrological **reasons** taken into consideration in each nativity converge. Depending on the astrology, we may have to conduct additional assessments¹⁴, i.e. extend or broaden the investigation to other regions or points of the birth chart¹⁵.



The following image **illustrates** the concept better than we could ever explain it here because not only does every point in space converge with measurements taken from other converging points, but the measurement of a curved surface (or the assessment of an astrology) does not allow for any other method of measurement (assessment) different from triangulation (*synthesis*, exhaustive or comprehensive assessment).

Triangulation (**comprehensive or exhaustive assessment**) reduces the biases of the interpreter or researcher, as shown in the previous examples. That is, consulting **several sources of information** with regard to a specific variable in the nativity of the individual (i.e. aggression or psychopathy) reduces the probability of error or increases the reliability of the assessment¹⁶.



This is what should be understood by *synthesis*: a qualitative research¹⁷ (BENAVIDES, GÓMEZ, 2005) within the chart requiring a sort or kind of gymnastic feat from the practitioner, cognitively. It is always necessary for the astrologer to conduct astrosynthesis with regard to different values¹⁸, as their object of study, which is a natal horoscope, makes it necessary to carry out an analysis of said characteristic¹⁹.

Should we seek to express *synthesis* mathematically, the presumed equation or formula to obtain the value

¹⁴ If justified, we would assess the luminaries, i.e. the Sun and the Moon, and Venus, Jupiter, and Neptune, as these are closely related to cognitive processes (among other things).

¹⁵ See Bustamante, D. (2023). *Procedural Instructions for Birth Chart Delineation*. Ediciones Sagitario. <https://sagittariusdb.com/producto/manual-of-procedure/>

¹⁶ American astrologer and scholar Rober Hand, for example, has argued (1981): "A systematic technique can make an astrologer effective even on days when intuition is on his side". See p. 151 in *Horoscope Symbols*, Whitford Press.

¹⁷ Benavides Okuda, Mayumi; Gómez-Restrepo, Carlos. (2005). *Métodos de investigación cualitativa: triangulación*. Colombian Magazine of Psychiatry. Volume 34. No. 1.

¹⁸ See *The Fundamental Components of Astrological Interpretation* in Bustamante, D. *Discourse of the Astrological Method*. Unpublished.

¹⁹ We could appeal to a maxim attributed to Socrates as an analogy to explain the exercise at hand: "He who can see the whole is a philosopher; he who cannot, is not". Likewise, he who conducts astrosynthesis or triangulates is an astrologer; he who does not, is not (assuming that astrological interpretation constitutes one of the main tasks of an astrologer, if not the most important).

of, for example, the third house of any chart, would then read²⁰:

$$\log. P \text{ is } H3$$

because

$$H3 \check{S} + \check{s} + gts. = P$$

Where \check{S} represents the «universal significator», that is, the planet most akin to the natural sign of the house at hand, and, consequently, Mercury²¹; \check{s} , in turn, the «natal significator» or regent (any other planet that, in said astrology, governs said region), while $gts.$ represents whatever «guests» that house may have.

The rest of the house values of a nativity can be expressed in the same way. However, this would be only the preliminary formula or, if you will, the abbreviated or truncated equation, for it is not apparent, at least not at a glance, that values \check{S} , \check{s} , and $gts.$ include too their aspectual relationships ($aps.$) and the signs in which they are found, not to mention the dispositor planets (dp).

The astrological values of the celestial bodies, on the other hand, could be expressed in a similar fashion.

Should we look to obtain the full truth value of Jupiter in a given nativity, we would follow a formula that could read:

$$2 (s. + C) + (R) + (H9 + H12) + aps.\check{s} = P$$

Of course, if it is Jupiter's truth value that which we are trying to obtain, why doesn't the planet appear after the equals sign? Because the linear algebra that accompanies Jupiter's symbol is the power to which this variable (Jupiter) must be raised in order to learn its value. That is to say, P represents, at the same time, the total result of Jupiter. However, we could also express it as:

$$2 = \sum (s. + C) + (R) + (H9 + H12) + aps.\check{s}$$

, where Jupiter's truth value would then constitute—without prejudice to more variables—the sum (Σ) of:

- a) its position according to the sign ($s.$) and the house (C) it is occupying;
- b) the houses or regions of the chart it rules according to where its natural signs are placed (R);
- c) the composition of its natural residences²²: regions 9th and 12th; and

²⁰ The formulas that follow are not intended to spare the interpreter a synthetic or comprehensive exercise, but to illustrate the process he will have to go through or the analysis to be conducted in order to obtain the result or value we seek. The word “algebra” comes from the Arabic الجبر (“*al-jabr*”), which means “reintegration” or “recomposition”. The Oxford Dictionary defines the concept as the branch of mathematics that studies the combination of elements of abstract structures based on certain rules. We could also use a natural logarithm, the exponent to which a positive quantity (called “base”) must be raised to produce a given number.

²¹ We are not trying to equate planets with signs nor, much less, planets with houses, or vice versa. However, one would be a fool—and a fool only—should one deny that Gemini and Virgo are akin to or have correspondence with the third and sixth houses (and Mercury to or with Gemini and Virgo), as Sagittarius and Pisces to or with the ninth and twelfth houses (and Jupiter to or with both

signs), and so forth. The only plausible discrepancy that may present between a house and the sign—that numerically corresponds to it—is that between the tenth house and Capricorn, and even so, one must not forget the fact that any high office (Sun, Jupiter; Leo, Sagittarius) entails great responsibility (or sacrifice), prudence, and cold thinking (as opposed to passionate behaviour).

²² Because He represents, in general, what these houses represent (especially the ninth). Explained differently, or metaphorically: we ought to judge the country's foreign policy both from the point of view of its president (universal significator) and its ambassador overseas (house significator). In this case, it would be necessary to assess Jupiter according to both the house it rules and those of natural residence (although the former will always take priority in each chart). Whereas the first proposition would constitute a whole number; the latter, in turn, its decimal part.

d) the aspects (*aps.*) it holds with other members of the solar system as seen from Earth²³.

As for the truth value of any other celestial body in a nativity, we'd use the same formula, replacing only the symbol of the planet and the house or region of the chart constituting its natural residence. In the case of Mars, which is the value that French statistician and psychologist MICHEL GAUQUELIN (1928-1991) intended to obtain in a 1967 experiment in order to separate criminal astrographies from non-criminal, we'd be wrong to record only the house said planet occupies. For the purpose of obtaining the presumably exact truth value of planet Mars, we would have to appeal to the following equation (or to a similar one):

$$\text{♂} (s. + H) + (R + H1/8) + \text{aps.} \text{ } \text{ } = P$$

Because, however, the truth value of any planet hinges upon the *synthesis of variables* concerning that planet, we could divide the truth value of the universal significator (Š) over the truth value of the set of variables that concerns it in a given nativity, in which case we would dispose of the natural logarithm to use the following algebraic expression instead:

$$\frac{\text{♂} (s. + C) + \text{aps.}}{(R) + (H1/8) + \text{aps.} \text{ } \text{ } } = P$$

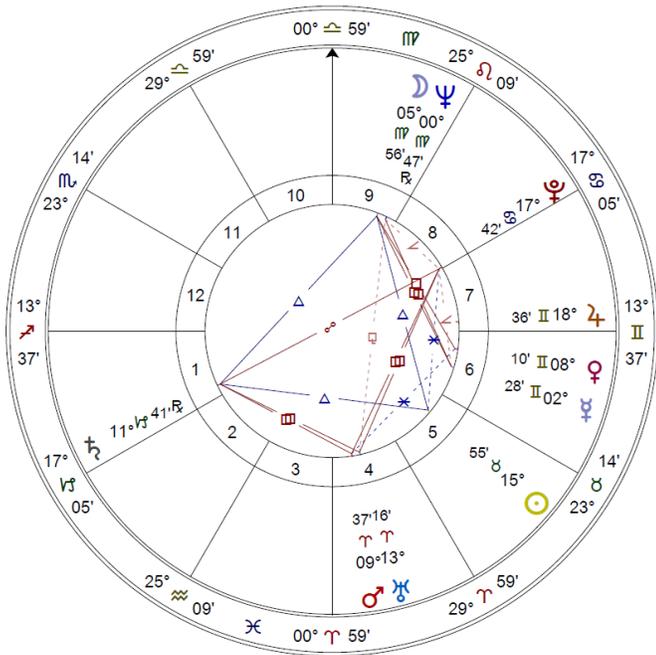
We divide here the Mars value according to the sign(s) and house (C) in which it is found, plus its aspectual relationships, *into* the house(s) of which it

is significator or coruler (R) and the arrangement of the house of natural residence (that of greater affinity with the natural sign of the planet), which are the first and the eighth, plus whatever aspects the guests (or signifiers) of these houses may show.

If we were to follow the first equation proposed for the purpose of obtaining the Mars value ($\text{♂} (s. + C) + (R + H1/8) + \text{aps.} \text{ } \text{ } = P$) we would find, in the chart of serial killer **JEFFREY DAHMER**, that:

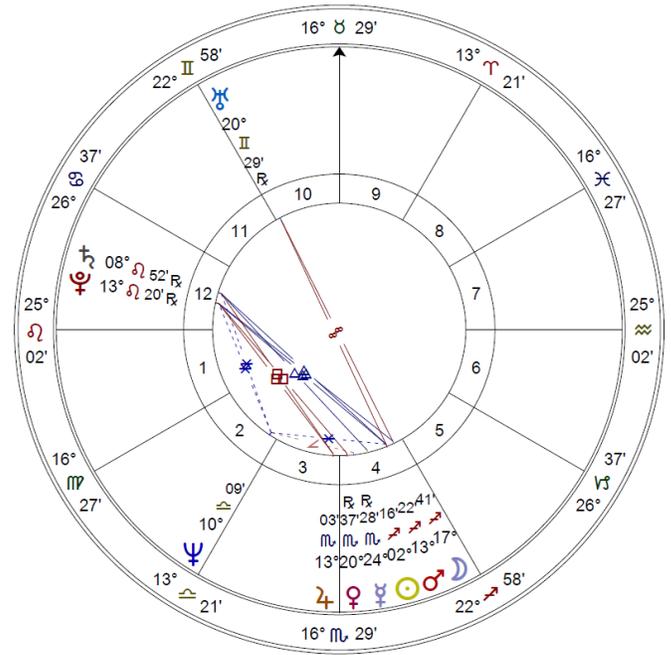
- Mars (astrological gene related to aggression and violence) is in Aries (fire) in H6 (neurological and nutritional).
- Mars exerts influence or effects over H1 (genetic tendency), H6 (neurological) and H7 (relationships) because ecliptic degrees of its natural signs fall therein: 16° and 14° (Scorpio) in H1 and H2, respectively; 19° and 11° (Aries) in H6 and H7, respectively.
- In H1 (Mars natural residence, although with Mercurian connotations), we find none other than Neptune (psychic, fanciful, imaginative, schizoid) in Scorpio, the sign of Mars.
- H8 (Mars second natural residence) finds the Sun (explosive and passionate) and Mercury (cognition) in Gemini (volatile), and these two bodies hold a quadrature with Pluto (explosive) in Virgo (neurological), an exceptionally analytical—and cold—sign.
- Mars in H6 under Aries' influence holds a quadrature with Jupiter (hyperbolic) in the sign

²³ Regarding values H9 and H12, the formula for the houses should also be taken into consideration.



CARPENTER

Born the 6th of May, 1930 at 21:16
in San Francisco, California (USA)



BUNDY

Born the 24th of November, 1946 at 22:35
in Burlington, Vermont (USA)

In BUNDY's case, we find that Mars is conjunct the natal ruler (the Sun) in Sagittarius (rebellious, wild, or savage), and this body, in turn, conjunct Mercury (cognition) in Scorpio. Also, that both Mars and the Sun, and Mercury, hold nefarious quadratures with Saturn (malignity/perversion) and Pluto (aberrations) in Leo (passionate, possessive) in H12 (psychic). Aries looms over H9 (associated with moral integrity) and Scorpio over H3 (mental) and H4 (private life). The formula to be applied then, could be:

$$\text{♂} (\text{♄} + \text{C4}) + (\text{R } 3, 4, 9 + \text{H1 } \text{♁} \text{♎} / \text{H8 } \text{♁} \text{♎}) + (\text{♁} \text{♁} \text{II}) = P$$

Or alternatively (non-logarithmic expression):

$$\text{♂} (\text{♎} + \text{C4}) + (\text{♁} \text{♁} \text{II})$$

$$= P$$

$$(\text{R4}) + (\text{H1 } \text{♁} \text{♎} / \text{H8 } \text{♁} \text{♎}) + (2 \text{♁} \text{♀} \text{♎} \square \text{♁} \text{♀} \text{♁})$$

In GACY's birth chart we find that Mars (variable criminally relevant as per previous explanations) is conjunct the natal ruler, Jupiter (wild), in a particularly volatile sign (Gemini) and that it holds a quadrature with Mercury (cognition) in Pisces (fantasy) in H3 (cognitive development), not to mention the cosmic state of the luminaries, that is, of the Sun and the Moon (also related to cognitive development, in close resemblance to Mercury). That said, the following formula would then be applied:

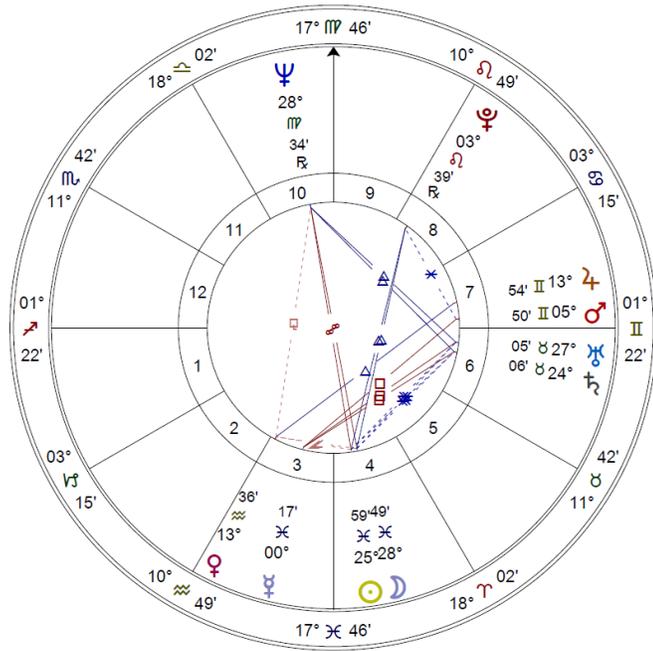
$$\text{♂} (\text{II} + \text{H7}) + (\text{R } 4, 5, 12 + \text{H1 } \text{♄} \text{♊} / \text{H8 } \text{♁} \text{♎}) + (\square \text{♀} \text{♁}) = P$$

Or alternatively (non-logarithmic expression):

$$\text{♂} (\text{II} + \text{H7}) + (\square \text{♀} \text{♁})$$

$$= P$$

$$(\text{R4}) + (\text{H1 } \text{♄} \text{♊} / \text{H8 } \text{♁} \text{♎}) + (\text{♁} \text{♁} \text{♁} \text{♁} \text{♁} \text{♁})$$



GACY
Born the 17th of March, 1942 at 00:29
in Chicago, Illinois (USA)

$$\text{Asc } (\Omega) + (\Psi + \delta + \text{H8} + \square \text{ ♀ } \text{Rn}) + (\Psi \text{ m.}) = \mathbf{X}$$

Despite our best efforts to express mathematically the *synthesis* by providing the necessary formulas for the truth values of each component of delineation (planet, house, sign, etc.), it is nevertheless necessary to set forth one that could, in turn, represent the previous; something similar to how we find, in NEWTON's famous gravitational formula, that *F* represents force (due to gravity); *m*, mass; *m*₂, the mass of the other object; *G*, the gravitational constant; and *r*², the distance between the two masses, thus:

$$F = \frac{G m_1 m_2}{r^2}$$

The mathematical expression of an assessment on the ASC, in turn, which shall account for its ruling planet (natal ruler or Rn) and all its characteristics, that is, the sign in which it is found and the house it occupies, the aspects it holds and whatever the guests of the first house are, would be:

Would it, then, be possible to present something like this in order to summarize the truth values above?

$$\text{Asc} = \frac{H1 \ s, \ s_2}{r \ \Sigma (s. + \text{Rn}) + (gts.)}$$

$$\text{Asc } (s.) + (\text{Rn} + s. + \text{H} + \text{aps.}) + (gts.) = \mathbf{X}$$

The abbreviated expression, in turn:

$$\text{Asc } (s. + \text{Rn}) + (gts.) = \mathbf{X}$$

Therefore, should we seek the complete value of the **DAHMER** Ascendant, we would find, following said formula:

, where H1 would represent the first region of the astrography, while the two *s* the two signs looming over it (for most born on Earth, i.e., those born within 23° N or S of latitude), and *r* $\Sigma (s. + \text{Rn}) + (gts.)$ the sum of variables that constitute no less than the **cosmic state** of its ruler (i.e., planet ruling the sign or segment of the ecliptic that ascended above the horizon during the hour of birth).

➤ Intellectual Quotient

- Libra (s.), and Venus (Rn) in Taurus (s.) in H8 (C) quadrature (□) Uranus.
- Neptune in Scorpio in H1 (H)

Each of the four serial killers—whose birth charts were seen here—has a high degree of intelligence, a variable that was not the object of the assessments here, although it is possible to assess it in the same

way: conducting synthesis, whose mathematical expression would revolve around, no longer Mars, but, mainly, the luminaries, Mercury, Venus, and the first, third, sixth, ninth, and twelfth astrographic regions (a criterion that some would object to), due to the nature of human intelligence, i.e., that this variable is even more complex than the criminal variable (GARDNER's theory of multiple intelligences proves nothing less than extremely accurate)²⁴.

While such an analysis would make this paper a longer one, let it be said, for now, that each of the four serial killers exhibits talent for, among others, natural sciences or medicine. Even if some were to express disagreement regarding the area of knowledge or specific skills, I think we can agree that all four were highly intelligent, a common trait in serial killers. TED KACZYNSKI, for example, better known as the *Unabomber*, although not exactly a serial killer (labelled as an environmentally motivated domestic terrorist or serial bomber), was highly proficient in mathematics and admitted to Harvard University, from which he graduated in 1962, at the age of 20. He possessed an IQ of 167 and was considered by his colleagues a “walking brain”²⁵ and a genius.

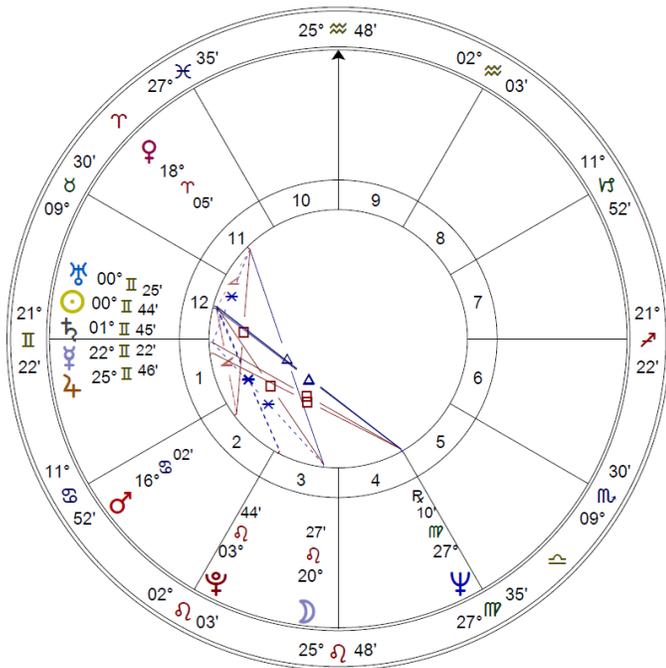
²⁴ While everything having something to do with death or murder, killing and predation can be reduced to Mars and Saturn (especially Mars, as Saturn can rule higher things as well, while Mars cannot), everything under the conceptual framework of intelligence, however, cannot be reduced to one or two, or even three planets, as this aspect of our species entails many more components: from creativity and invention, imagination or fantasy to logical analysis and philosophy (not to mention sporting skills). Only *creativity*, for example, can be governed by Venus (aesthetic standpoint), Mercury (technical standpoint), and the Moon (psychic or intuitive standpoint). *Invention* or *innovation*, in turn, another aspect of the intellect, can be governed not only by Mercury but also, especially, by its more complex brother, Uranus (i.e., it goes beyond Mercury's reach, without being another symbol). This is the reason why, if we were to look up all the words ruled by Mars in Dr. Lehman's guide of keywords, very few (at least

We did not assess his astrology from an algebraic standpoint as he holds two different birth times (6:45 a.m. versus 10:45 a.m., although only the former has the ideal Rodden rating, AA). Either one, however, would still show a noteworthy conglomerate in the sign of Gemini, precisely a theoretical, speculative, cognitive, versatile sign (although some attribute all mathematical expressions to Gemini, we attribute algebra only to said sign, whereas arithmetic and formal logic to Virgo).

Either chart would also show three of the [quadratures](#) that we have highlighted as relevant in this paper for the purpose of establishing or suggesting mental disorders and/or violence: Mercury (in Gemini, cognition) holds a quadrature with Neptune (neurohormonal) in Virgo (neurological); the Moon (hypothalamus) in Leo (fire) holds a quadrature with Uranus—conjunct the Sun—in Gemini (this particular placement provides the individual with light for theoretical physics); and Venus (in Aries) holds one with Mars (in Cancer).

if they constitute behavioural characteristics) would take distance from the most common words (“death”, “murder”, “violence”, “rapacious”) and their synonyms, for Mars is reduced to almost that only by virtue of its characteristic primitivism. If, on the other hand, we look for the word “intelligence”, among others (e.g. “brain”), it would appear not only in front of Mercury but also of the Sun and/or the Moon, Jupiter and/or Venus. This is what, before writing, made us choose the figures of serial killers as the best example to demonstrate the possibility of a mathematical expression to the interpretative exercise: because it is the simplest way to present our idea, before we begin considering equations or formulae for much more complex variables (love; intelligence; sexuality; etc.).

²⁵ McFadden, Robert D. (May 26, 1996). “Prisoner of Rage – A special report.; From a Child of Promise to the Unabom Suspect”. *The New York Times*.



KACZYNSKI
 Born the 22nd of May, 1942 at 6:45 a.m. (AA)
 In Chicago, Illinois

A study conducted at Radford University (Virginia, USA) was able to determine that the average IQ of serial killers caught in the United States is 94.7, while others rated even higher; among them, BUNDY (IQ of 136). When BUNDY represented himself in court, EDWARD COWART (judge) addressed his litigious skill or ability as follows:

“I must say this. It is a tragedy for this court to see [...] it is such a total waste, I think, [...] for humanity [...] that I’ve experienced in this court. You are a bright young man. You made a good lawyer. I’d love to have you practise in front of me; but you went another way, partner.”

The study referred to above established too a correlation between the *modus operandi* of serial killers and their IQ: those who used poison or firearms to subdue their victims were ranked among

the lowest, while those who used ropes or bladed weapons, among others, were ranked particularly high (especially in the case of explosives, as it would be logical to infer because it entails knowledge of physics and chemistry). Professor in charge of the research at Radford, MIKE AAMODT, explained:

“The average serial killer has an IQ of 94.7. Although various tests measure IQ, a score of 90-110 is usually considered *average* intelligence. A serial killer with an average IQ is also the most likely to strangle or shoot his victims. Serial killers who have used bombs show, on average, higher IQs, while those who used poison exhibited the lowest”²⁶

A Federal Bureau of Investigation (FBI) report, in turn, points out:

“Most serial killers are not social misfits living alone, in seclusion. They are not monsters, nor do they look like strangers. Many serial killers hide in plain sight in their communities. They often have families and homes, are gainfully employed, and appear to be normal members of the community. Because many serial killers can effortlessly go unnoticed, they are often overlooked by the police and the public.”²⁷

From an astrological standpoint, we have noticed that, just as cruelty to animals at an early age, among other types of behaviour, is a sign of psychopathy, so too can aptitude for natural sciences be accompanied by a propensity for such condition. This is because the signs and/or planets that we would associate with natural science or naturalism are the same signs and/or planets that we associate with fantasies and imagination, lying and manipulation, pharmacology and psychoanalysis, molecular biology and the

²⁶ Aamodt, M.; Leary, T.; Southard, L. (2020). Radford/FGCU Annual Report on Serial Killer Statistics. Radford University.

²⁷ Morton, RJ (2005). “Serial murder multi-disciplinary perspectives for investigators” (PDF). Federal Bureau of Investigation.

internal glands (neurohormones). We refer here—as per their worst characterisations—to the *water* signs (especially Scorpio and Pisces) and the fire signs (especially Aries and Sagittarius), and to the sign of Virgo (especially if it is occupied by Uranus, Neptune, and/or Pluto). We also refer to the Moon (hypothalamus) and Saturn (tendency to spoil, pervert, or otherwise corrupt, especially in signs such as Aries, Leo, Scorpio, or Sagittarius should it present hard aspects with bodies previously mentioned).

These indicators or signs of mental illness (at least in our species, perhaps not in others) are also signs of talents for scientific disciplines, so that, to determine genius or a high (or low) IQ, it is not enough to assess the universal significator of intellect (Mercury), as some would consider.

We are not trying to say nor imply that a person with a mental illness would not or cannot present a different Zodiacal or planetary indicator, any more than psychology or psychiatry would not claim that an individual with a psychopathy could not have presented, during their childhood or adolescence, a sign different from cruelty to animals (e.g. inability to show remorse or to distinguish between right and wrong; tendency to lie or manipulate or recurring problems with the law, and so on). However, they do constitute strong signs or indicators, especially if the individual shows more than one. Thus, note a strong tendency towards psychopathy or mental disorders in general when either Mercury or the Sun, or the Moon, or all three, are affected by Saturn, Uranus, Neptune, and/or Pluto.

When it comes to intellectual genius, the *gas giants* (i.e., the Sun, Saturn, Jupiter, Uranus, and Neptune) also tend to be involved, albeit positively configured

(i.e., harmonic aspects, favourable conjunctions, and so on).

ALGEBRAIC NOTATIONS

Having introduced the reader to a possible mathematical expression for specific syntheses, let it now be the time to offer the symbols of the different astrological values for them and the algebraic expression that others could develop on this basis, thereby being possible to replace some of the values with the corresponding symbol. (This is a proposal only.) Some do not require any sophistication, and, of course, the use of one or another symbol will depend on the truth value we seek. We also know that some of the symbols below may be algebraic notations or symbols of other notions. However, this does not prevent them from being adopted to represent different ones in the astrological context, just as any given letter of the alphabet may be pronounced differently according to the language or represent different mathematical functions according to the field of science.

- House: C
- House significator: R
- Natal regent: RN
- Aspectual relationships: £
- Synthesis: Φ
- Universal significator: Š
- In-birth significator: š
- H1 Significator: R1
- H2 Significator: R2
- H3 Significator: R3
- H4 Significator: R4
- H5 Significator: R5
- H6 Significator: R6
- H7 Significator: R7

- H8 Significator: R8
- H9 Significator: R9
- H10 Significator: R10
- H11 Significator: R11
- H12 Significator: R12

Other astrological values, not necessarily related to synthesis, could be expressed as follows:

- Planets: Pts
- Dignified planet: IO
- Afflicted planet: B
- Mutual reception: Ж
- Homogenous house: JB²⁸
- Heterogenous house: HB²⁹
- Complex house: ∞
- Heterogeneity Σ
- Homogeneity §

The angular relationships between the bodies, in turn (although not all of them constitute an aspect), we express, as we know, as follows:

- Conjunction ♂ *aspect*³⁰
- Semi sextile ∨
- Sextile * *aspect*
- Semiquadrature ∟
- Quadrature □ *aspect*
- Trine Δ *aspect*
- Sesquiquadrature ⊞ *aspect*
- Quincunx ⋈

²⁸ In a recent publication, we set forth a novel way of classifying houses in accordance with the unique arrangement or composition of each chart, following Morin's rules of astrological interpretation (*Books 19 and 21, AFA*). Please see *The Astrological Delineation Procedure*. To be published in *The Mountain Astrologer in the Capricorn Sol / Annual Yearbook Issue*.

²⁹ Idem.

³⁰ As we have argued on many occasions (see *The Molecular Theory of the Zodiac*, DOI 10.5281/zenodo.10463824), only signs

- Opposition ♂ *aspect*

As for the elements of the signs, we can use either the symbols we already know or the Japanese sinogram known as “*kanji*”, as the conventional symbols of the elements all constitute a triangle that is inverted or on which a line is drawn depending on the element; therefore, in the case of the fire symbol, It is the same of that of a trine (Δ), lending itself to confusion.

- *Fire* signs: 土
- *Earth* signs: 火
- *Air* signs: 風
- *Water* signs: 水

Or these:

- *Fire* signs: λ
- *Earth* signs: v
- *Air* signs: α
- *Water* signs: ψ

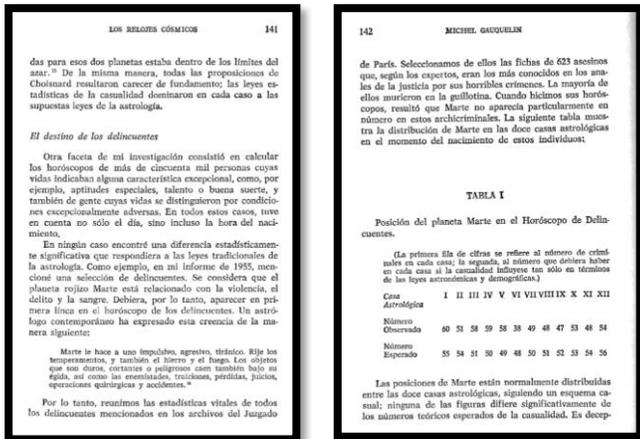
CONCLUSIONS

Four of the five astrographies present variations of the combinations originally described (*abstract*), proving, as we have insisted in other publications, that one hundred serial killers do not—because they cannot—have the same astrography or birth chart (nor the same genetic sequence); nor do one hundred writers, one hundred scientists, or one hundred

with at least one property in common (in close resemblance to covalent bonds in chemistry) have the necessary potential to produce an aspect between the bodies placed in them. That is, only this way can the bodies placed in them react to each other, which, according to the Hellenistic astrological tradition (going back to Mesopotamia and Egypt), was allegorically expressed as “they can see each other” or “bear witness to each other” (see *Optical Theory of the Aspects*, according to the Hellenistic astrological tradition).

astrologers. We can, however, establish or otherwise isolate astrological symptoms as doctors and/or geneticists have established the symptoms of certain illnesses without them necessarily constituting the illness (neither medicine nor forensic psychology, nor astrology, are exact sciences).

It then follows that GAUQUELIN's 1967 experiment to discern criminal profiles based solely on the region of the chart (house) in which the planet Mars is lodged not only has no explanatory power, but cannot have any whatsoever, as an individual (or his natal chart) cannot be reduced to a single placement any more than an individual (or his genetic code) can be reduced to a single characteristic or gene. Not surprisingly, GAUQUELIN found that Mars could be found in any region of any criminal's astrography. GAUQUELIN explained in *The Cosmic Clocks* (1967):



Zoom in (PDF) to read

Had GAUQUELIN intended to make an experiment for the purpose of determining intellectual profiles, he would have found, also, that Mercury (universal significator of intellect) can be found in any house of any chart of any philosopher or genius, and not only in any house, but also occupying any sign, and not

only any sign, but signs where Mercury is said to not operate adequately because of an idiosyncratic—or say, biochemical or electrical—antagonism. NEWTON, for example, presented Mercury, not in an *air* sign, its natural element, but in a *fire* sign³¹ (as did EINSTEIN, SCHRÖDINGER, MADAME CURIE and RAMANUJAN, among other greats).

When WEISS criticises recipe or prescription interpretations, he does so with many examples and, interestingly, we found one relating to planet Mars (i.e. the subject of GAUQUELIN's assessment in the experiment mentioned before). Dr. WEISS wrote (1946):

“The Mars: x. value is but the performance of a cooperation of various circumstances, such as those noted above” (p. 133).

GAUQUELIN, then, could never have stated otherwise:

“None of the astrologers I examined did well in the so-called experiment of opposite destinies” (p. 143).

, as, according to the information provided, *synthesis* was never conducted in the experiment.

In *The Complete Dictionary of Astrology* (1983), British astrologer ALAN LEO defined “synthesis” as (p. 190):

“The art of blending together the separate influences in a nativity, and of giving a [accurate] summary of the main features of the character. The ability to synthesise a nativity is the crown of the student's knowledge on natal astrology for it leads, by the

i.e. the way to describe the properties that characterise these segments.

³¹ We have insisted that the classification of the twelve segments of the terrestrial ecliptic into “water, earth, fire, or air” signs is nothing but an allegorical expression of a physical-chemical reality,

intuition required [or cognitive exercise required] to do this effectually, to those abstract methods of pure synthesis which will finally reveal the true purpose of every horoscope.”

With that being said, let us return to the French’s experiments, as GAUQUELIN made another one with forty charts of twenty criminals and twenty non-criminals, where no astrologer who did not comply with the *synthesis* would ever have been able to separate the two groups; and should environmental variables (epigenetics) had been ignored, even less so. While it is possible that the calculations made to produce the charts may have been flawed (softwares were not available at the time) or that the house system employed was not correct (some allow one to visualise some things better than others, the Placidus or topocentric house system being the two most complete), the premise from which they set out to experiment still constitutes a huge, not to say shameful, bias.

Recipe interpretations lead nowhere, as they cannot lead anywhere, neither in genetic nor in astrological assessments: not only is the deoxyribonucleic or astrotypic sequence that which distinguishes us from others, but its expression may even depend on exogenous circumstances (epigenetics). Should a given genomic code be exposed to the right stimuli, it will most likely manifest itself, unless said genome is so powerful that, stimuli or not, will manifest all the same.³²

It is in this sense that an arithmetic such as “Venus in x sign or y house” produces the effect P can be considered solemn nonsense, for such a conclusive or categorical proposition does not describe realities

but only immovable prejudices. Unfortunately, however, it constitutes the vast majority of contemporary astrological literature.

APPENDIX THE CHALLENGE OF THEORETICAL PHYSICS

➤ The tools are the mean, not the end

Attempting or pretending to make a linear description of *synthesis* can be complex, if not impossible, using linear algebra alone. It proves, however, the point originally made in this essay: mathematics can cloud or obscure things, distract us from what we seek to represent, discover, or understand. This is why some have warned about the risk of abusing or relying solely on mathematics. Among the most likely to warn against this are theoretical physicists (especially if their field of study is quantum mechanics), and the reason is simpler than it seems: theoretical physics is a philosophical expression, even if it makes use of mathematics (i.e., its language). That is, there is no great gap between philosophy and physics. Then it is not strange that we can make a long list of physicists who were also philosophers (or who engage in philosophical reflection), or vice versa, starting with ARISTOTLE. The advantage of both ARISTOTLE and the philosophers or physicists that came before or after him may have been that they were more susceptible to the natural world than to the tools of observation, not to mention the materialism of our time. While a less restricted spirit or mind may mean a less strict scientific exercise, it may also mean either an openness in research or a more

³² Idem. Therein we posited the Special and General Epigenetic Theories of Astrology. The former concerns monozygotic twins; the latter, the general population.

encompassing or less orthodox perspective. After all, since NEWTON, MAXWELL, and EINSTEIN (more than a century ago) “nothing’s happened”, that is, we’ve seen nothing new nor much less revolutionary. Recently, for example, an English theoretical physicist explained on his Facebook page:³³

“Relativity and quantum mechanics were the great foundations laid in the 20th century and physicists have not been able to do anything on a fundamental level ever since. Why? Because the great physicists have always been philosophers. EINSTEIN was. NEWTON was. SCHRÖDINGER was,”

Nor should it be surprising why distinguished American professor, cosmologist, and theoretical physicist SEAN CARROLL (Harvard University), for his part, considers that “physics has been in crisis since 1927” (2019). In fact, CARROLL has often criticised the fact that physics professors tend to discourage students from questioning the *why* and *how* of quantum physics and that they do not encourage them to undertake major research to remedy the current state of the matter. The aforementioned English physicist previously mentioned, for his part, has said:

“Today, physicists think that because they write a bunch of scribbles on a board, they understand things”.

And concludes:

“The universe is not only more unusual than we think... but more unusual than we *can* think.”

EINSTEIN, as we know, used to say that he was not smarter than his colleagues, only more imaginative,

when asked about how he view the universe and how he got to suspect the true nature of spacetime. We should take note from EINSTEIN and be able to suspect that which our observational tools will always have problems identifying or otherwise solving. What can, however, be the limit of a human mind. Would it be possible to infer that, without shrewdness or creativity, Einsteinian imagination or intuition, mathematics will not take us far? It would, at the very least, remind us of the 1913 Nobel Prize for Literature RABINDRANATH TAGORE (1861-1941), when pointed out: “The brain travels faster than the heart, but it will never go as far.”



Rabindranath Tagore

Mathematical formulas, both those we have presented and all in the world of physics, are to be considered approximations to reality (like laws to justice), not the formula(s) through which we can explain things completely (not justice itself). Because of this, some also bother to clarify that mathematics is not a factual science, but an abstract one (i.e., we can see a molecule or an atom, water or

³³ Facebook page: “Physics World” (Riverside, CA, USA).

a planet, even a particle, but not a number). Mathematics, like formal logic, although exact, is not part of natural sciences (i.e., astronomy, which studies planets; chemistry, which studies matter; physics, which studies the interactions of matter). Therefore, even if we could argue that mathematics is—naturally—part of the physical world (as was thought in ancient Greece), we certainly cannot argue too that our mathematical statements are part of it, as the truth values that inform them are dependent on manmade rules.

Mathematics is thus a logical exercise created by the human species, not a discovered reality. Because, however, it has helped, still helps, and will always help us unravel the physical world, it is our hope that experienced mathematicians will develop or refine this work in order to demonstrate the great benefit that [astrology](#) can offer to the medical, psychiatric, and psychological communities (any human resources office of any institution, therefore); a discipline that for decade after decade has suffered at the irresponsible hands of charlatans (closer to narcissism than science), and will continue to suffer at the same hands as long as it remains unregulated.

We also firmly believe that any reality in our universe can and should always be expressed mathematically, from movement to DNA³⁴, even we do not yet have the necessary progress to be able to describe everything in such terms (mathematically), even if only the effects are possible to verify. As to

the effects, let us conclude the first section of the appendix with the words of another noble man, the only Portuguese Nobel Prize for Literature, epistemologist JOSÉ SARAMAGO (1922-2010):

“Many people abhor the evidence that the relationship between what we call *cause* and what we call *effect* is not always linear or explicit. They claim, and they are not to be denied, that since the world is the world, no effect has ever been seen which had no cause, and that every cause, whether by predestination or mere mechanical action, has caused and will cause effects, which are produced instantaneously, though the transition from cause to effect has escaped the perception of the observer, and can only be reconstituted long afterwards. Many also maintain that all causes now visible and recognisable have already produced their effects, and that we have only to wait for them to manifest themselves. Also, that all effects, manifested or yet to be manifested, have their ineluctable causalities, even if the multiple inadequacies from which we suffer have **prevented us from identifying them in** such a way that, with them, we can establish the necessary relationship, which is not always **linear**, nor always explicit. After all, it is up to us to find meanings and definitions, even if we are aware of the existence of those who would like to close their eyes quietly and let a world that governs us, much more than it allows itself to be governed, run its course. However, even if the causes are not always in sight, its effects will always be

³⁴ The original alphabet (1500 BC²²) is genetically inspired, or are there not twenty-two letters and twenty-two amino acids whose chains make up the proteins of which life on Earth is constituted? Writing with letters and counting with numbers was a synonymous exercise. In fact, gematria, i.e. the method by which a numerical value is assigned to each character of the Hebrew alphabet (to interpret Hebrew names, words, and phrases) has an Assyrian-Babylonian origin, and the Greeks perpetuated the practice (Proverbs 18:21). This statement, which seems to have been

composed in a figurative or allegorical sense, may not be so. Incidentally, the author of the sixth book (2003) of the EARTH CHRONICLES notes: “Perhaps it is time to take it literally: the language of the Hebrew Bible and the genetic code of life—and death—of DNA are but two sides of the same coin” (pp. 140-141). As the Pisan mathematician, physicist, and astronomer Galileo Galilei (1564-1642) rightly warned: “All truths are easy to understand once discovered; the task lies in discovering them.”

questioning us, requiring that we explain their foundations and origins”³⁵.

➤ **The Molecular Theory of the Ecliptic**

At the conclusion of the essay, we isolated the astrological variables that we consider most relevant for the purpose of suspecting, inferring, or diagnosing psychopathy, upon the case, but we are yet to provide an explanation for the reason or **mechanism of action** responsible for the influences of the planets and the ecliptic segments (Zodiac signs) to which we referred.

It is not only possible but also necessary to begin to consider not only the astrophysical properties of these bodies (mostly rich in helium and hydrogen, with the exception of Pluto, with a considerably higher dose of methane than Uranus and Neptune) but also the molecular theory of the ecliptic (tropical zodiac) to begin to understand why astrology works.

Both concepts, molecular theory and planetary astrophysics can be used to explain, in the cases seen here, why these individuals experienced a psychopathology. Of course, it'd be an explanation from the astrophysical or astrological point of view³⁶, as from the neurological we know something or enough³⁷. However, only in the latter field is research conducted (and, as we have said before, it

will continue to be like this so as long as astrology remains unregulated). Said work, in any case, will fall in the hands of the astrophysicist(s), or of the astrophysicists who are also molecular biologists and/or astrologers. We can say, for the time being, that the combination of **methane** with **hydrogen** is particularly flammable and lighter than air; that the flame can be almost invisible if the hydrogen content is high (as is the case for the planets in question); and that under prolonged exposure to fire or heat (primitive HOT-DRY qualities like those of the Sun and Mars?) it can produce or result in a violent explosion.

DR. WEISS (1940) said:

“[...] the solar system is comparable to a vast magnetic field in which the Sun acts as an inductor (i.e. induces the planets). From the geocentric point of view, this field shows a zone of induction, the **ecliptic**, where **electrified** spheres rotate: the planets. According to AMPÈRE, this zone has the properties of an enormous **magnet** and can be divided into innumerable secondary **currents**.”³⁸

“[...] the **electric radiation** from the Sun to all parts of the universe surrounds the Earth as an oscillating layer between two poles, a phenomenon produced by the **magnetic** structure of our planet. In this layer, a **zone** of greater density has been found to exist

³⁵ Saramago, J. (1989). *Historia del Cerco de Lisboa*. Editorial Punto de Lectura. 2008. México D.F. pp. 138-139. Slightly adapted by us to the present reflection. In the same work he also argued: “[...] the human species—about which [...] no other opinion is known than the one it has of itself—is ever destined to infinitely wait for the effects and to infinitely search for the causes. At least that is what, until today, it has infinitely done.”

³⁶ In unpublished *Astrogenesis, Astrology from the genetic point of view, and vice versa*, with a foreword by Juan Estadella (Spanish researcher and astrologer), we noted an apparently close relationship between astrology and genetics or, as Estadella said in the foreword: “this link or parallelism is certainly more than

suggestive or tempting: it is highly probable, based on this work”, and “as evidenced in this essay, the degree of interrelation between both fields is not only interesting, but also astonishing”.

³⁷ Any given phenomenon can be explained by different fields or disciplines. Both neurology and psychology present explanations for psychopathy as well as for many other imbalances or disorders. Why then not present an astrophysical or an astrological explanation of the matter that would be compatible with, especially, the neurological explanation.

³⁸ Weiss, A. (1940). *Las ciencias ocultas ante las ciencias oficiales*. Editorial Oriente. pp. 196-198. Translation (from Spanish into English) is ours.

which, as the astronomer M.E. WINKEL says, «surrounds the earth in the form of an annular **electric current**», so that the celestial equator and the ecliptic coincide with its projection. WINKEL goes on: «we see the Earth surrounded by a ring of **electrons** from the Sun but shaped by the Moon [...]: inside the ring the Moon describes its orbit around the Earth, while outside the ring the **forces of the planets penetrate it**, influencing the state of the globe. The changes in the **magnetic states** of the Earth are therefore due to the combined action of **three energetic moments** from the Sun, the Earth (with its satellite), and the planets”.³⁹

WEISS concludes:

“On this basis, astronomers can no longer sustain the objection that, since Copernicus, astrology does not have a reason for being. [...] The ring **current, electromagnetic** in nature, constitutes an indisputable fact. [...] we see that **geophysics** can only attribute to this current perceptible phenomena such as changes in the **magnetic states** of the Earth”.⁴⁰

Indeed, although the electromagnetic force received from the planetary bodies diminishes considerably with distance, said force is never zero, not to mention that the frequency may even be impervious to our detection tools. In the *Astrophysical Justification of the Astrological Symbols* (2024) we made reference to the most probable **mechanism of action** responsible for astrology, incredulously formulated by EINSTEIN in 1935 and verified by ZEILINGER in 1999 in the Canary Islands, which won him—and CLAUSER—the 2022 Nobel Prize in Physics.

Returning to the need to discern the astrophysical effects on the human psyche, what are the results of such combinations from a molecular standpoint? The twelve Zodiac signs (whose behavioural principles we outlined molecularly in the work referenced above) might just **give us an idea** and would explain certain things that, although a psychologist, a psychiatrist, or a physician would or might find incomprehensible, the astrologer, for his part, only logical, if not obvious. Let us think of an example we can all understand; an assertion such as that made by the British-American politician THOMAS PAINE (1736-1809) on the eve of the American Revolution. He announced: “He who dares not offend, cannot be honest.” Why would anyone say such a thing? Actually, why would some intellectuals say many more such things about the human psyche without any apparent logical relationship? Would it be because through judicious reflection and/or experience they were able to discover or notice a **correlation** that, from the point of view of astrology, could only be obvious? Like the apparent correlation between scientific talent and psychopathology. Thus, returning to PAINE’s example, that honesty may injure pride or offend some one (or many) did not come as a shock for him (as it should not for us either). Likewise, it should not come as a shock for astrologers that doctors and scientists may show, more than professionals of other fields, a brain similar that of serial killers after having a magnetic resonance imaging of the brain (MRI); nor is it strange that many serial killers have gone unnoticed as such among their relatives and/or colleagues in academia or the community (something that forensic psychologists know all too well). This was, for example, the case of BUNDY (distinguished law student), GACY (active businessman), and of another individual not assessed here, DENNIS RADER, no less

³⁹ Idem.

⁴⁰ Idem.

than the president of one Christ Lutheran Church (in Wichita, Kansas) and the man responsible for the murder of, among others, two children aged 9 and 11.

Astrology can, in sum, show or prove a correlation between scientific talent and tendency or propensity for psychopathy.

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