

# DIO

## Subtractions From the Sum of Human Knowledge

Whether Human Cultural  
Advances Are Ever Safe  
from Human Corruption

## Subtractions From

the Scientific Community of  
Bold&Contributing Heretics  
Amundsen, Rob't Newton  
Aubrey Diller, W.Luyten  
W.Shockley, & J.Watson

Why Does Academe Banish Not Debate?  
*The-Powers-That-Flee* Evidentially Defenseless  
**WHAT IS ACADEME AFRAID OF?**

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The phrase “subtraction from the sum of human knowledge” was a favorite of Robert Newton, who as pioneer modern investigator of Claudius Ptolemy's frauds, encountered plenty of Subtractions, largely due to the campaign, by History-of-sciences's science-challenged “Muffia” cult, to turn Ptolemy, author of astrological-bible *Tetrabiblos* — that ludicrous compilation of superstitious pseudo-correlations — into a grantcash-cow as “The Greatest *Astronomer* of Antiquity”! Actually, Ptolemy wasn't an **astronomer** at all, but an indoor mathematician who used his skills to fake data promoting false science&occultism. **More perverse yet: the science establishment — societies&journals expecting our trust — has for the last half-CENTURY aggressively DEFENDED (§§H4&H5) this laughably clumsy&transparent hoax, thus boldly cheating just to pretend scientists do NOT cheat.**

Ptolemy's 160 AD frauds retarded by over 1000<sup>y</sup> astronomers' quest for correct precession (**an appalling loss for which historians-of-science have NEVER condemned hero Ptolemy**), finally reversed c.1600 by Tycho's detecting&undoing Ptolemy's fakes: §H3.

Claudius Ptolemy's theft of Hipparchos' 1025-star catalog finally became astronomers' common knowledge. But then along came the field calling itself “History-of-science” deeming itself much smarter than prior scholars' competent comprehension of Ptolemy's frauds. History-of-science's gutterly unprincipled reaction to Robert Newton's 1977 Johns Hopkins book *The Crime of Claudius Ptolemy* was to Subtract **him** from academe by gangup libel: *DIO 1.1* = [www.dioi.org/j111.pdf](http://www.dioi.org/j111.pdf) ‡1 §C7; ‡3 = [www.dioi.org/j113.pdf](http://www.dioi.org/j113.pdf) §D!

**Similarly exiled: Amundsen&F.Rønne, Diller, W.Luyten, H.Thurston, Shockley&Watson.** (§M5, fn 4, §H4, §H2, §O8, resp.) History-of-science extends heliocentrism-discoverer Aristarchos' 2300<sup>y</sup> *exile*, rating him a useless zero ([www.dioi.org/jw07.pdf](http://www.dioi.org/jw07.pdf) §A5), while Ptolemy's stubbornly (fn 3!) geocentrist & fabrication-dense *Almajest* is **actually** declared “one of the greatest masterpieces of scientific analysis ever written” & its fraudulent compiler Ptolemy ridiculously sanctified by the American Association for the **Advancement** of Science's journal *Science*, backed by *Scientific American* & *Sky&Telescope* (§H4), causing lasting coverup of Ptolemy's massive crimes: e.g., C.Pickover's *Math Book* [2009] p.70, *National Geographic's Most Influential Figures of Ancient History* [2016&2021] p.91.

**Hard to find a more knowingly dishonest Subtraction from the Sum of Human Knowledge.** Defiant DR also exiled: heretic-afear'd AmerAstrSoc members won't communicate or cite any of his established achievements, [www.dioi.org/dd.pdf](http://www.dioi.org/dd.pdf), however original or valuable: classic Subtractions. (AAS won't explain ban since ashamed of non-astronomical **why**.) *DIO 24* reported: [a] AAAS-head threatened Yale to kill book showing Peary Pole-proofless & **cheered author's death** ([www.dioi.org/jo00.pdf](http://www.dioi.org/jo00.pdf) §K5); [b] academe exiled Amundsen, 1<sup>st</sup> at **each Pole**; [c] incredible Hist.sci dirtytricks vs DR. *DIO 24* went to 1000 NatAcadSci, Princetintute, & AAS members: 3way 100% no-comment. When 1947 Dodgers shunned Jackie Robinson a few refused to join the unfairness. No AAS member makes that mistake re DR.

## Subtractions from the Sum of Human Knowledge

### A The Mathematics of Religious Retardation & Mental Slavery

**A1** Religion arose from the dream of dealing with the material universe person-to-person. But it naturally devolved into the few manipulating mankind's vulnerably gullible majority. **A2** That religion has no basis but in man's projective fantasies has long been pointed out, e.g., c.50 BC by the Epicurean philosopher-poet Lucretius' *On the Nature of Things* 5.1161f.

Additionally, the ills of the world argue so heavily against the universe's rulership by a benign entity that Renard quipped: it would be better for god's reputation if he didn't exist. Because the **ALMIGHTY** somehow needs the help of lawyers, we have theologians who argue: since all things are caused, there must be, tracing back in time, a First Cause: god.<sup>1</sup> Yet they exempt evil from having a First Cause, since that would be god by like logic: [www.dioi.org/rel.htm/#pmvf](http://www.dioi.org/rel.htm/#pmvf). So Christians keep unthinkingly worshipping Satan's creator.

**A3** The lethal 1593 testimony to Britain's Privy Council vs playwright-spy Christopher Marlowe, ultimately forcing him to adopt as a front a poorly educated lucrelender named William Shakespeare (§I), reported Marlowe privately regarded religion as a fraud (*DIO 18* = [www.dioi.org/ji00.pdf](http://www.dioi.org/ji00.pdf) §M8) to control masses (*DIO 26* = [www.dioi.org/jq00.pdf](http://www.dioi.org/jq00.pdf) fn 14).

**A4** In the 19<sup>th</sup> century, Marx & Nietzsche respectively branded religion an opiate & enslaver of man. In the 20<sup>th</sup> century, such brilliant figures as G.B.Shaw, Clarence Darrow, Bertrand Russell, Twain, & Orwell were unapologetic lowercase-liberal skeptics re religion. Europe saw bastions of piety like Austria&Russia transformed into primarily secular states.

**A5** Yet, in the US, religion hangs on tenaciously. Could that peculiarity be related to the same nation being the world-notorious home of legal slavery for so long (fn 16)? And still prime exploiter of cheap labor, with its ever-attendant poverty's mass-torture (§§O8-O12), via deliberately-encouraged mass-immigration (border and vaginal) of unfortunates: Russell remarked the oddly inverse correlation between misery&worship: when god seems kind & men are happy, they ignore god; when otherwise they're gratefully on their knees.

**A6** While much of the world is less pious than centuries ago, religious exploitation persists. Religions spread by fertility or war, not superior logical persuasion, so the most fecund peoples are the most religiously servile, ensuring an eternal battle to prevent refreshment of slavery, which anyway is deliberately maintained already in poverty&drug&debt-enslaved US ghettos, upheld by (undebated) gov't fiscal support for routine bastardy. So, despite religion being repeatedly revealed as delusional by the clearest minds, the potential intellectual advance of leaving it behind is Everwhelmed *numerically* since most peoples remain multiplicatively loyal to one of the bunnyrabbit religions. Mathematically, it figures.

### B Ancient Accuracy Hurt from Good Intentions: Alexandria Light-house's Rôle in 2000<sup>y</sup> Loss of Timocharis' 1%-Correct Earth-Size

**B1** Over 2000<sup>y</sup> ago, the Greeks knew that the Earth is round. They had a practical reason for knowing so: their use of mountain-telegraphy at heights that could overcome Earth-curvature's blockage of long-distance light-signals at night. **It's probable that Earth's circumference was known to better than 1% accuracy by c.300 BC.** The case in favor of that achievement is new and is wonderfully simple: the ancient Greeks' macrogeographical unit was the “stade” (or “stadium”), and it is now universally agreed among serious scholars that its length was 185 meters. But how was this length arrived at? The only available explanation follows a well-known tradition of defining length standards by fractions of terrestrial arcs. The meter itself was defined during the French Enlightenment as 1/1000000<sup>th</sup> of the distance from the Earth's pole to its Equator, thus the Earth's circumference *C* was by definition 4000000 meters. Similarly, the nautical mile was defined as 1/60<sup>th</sup> of *C*/360.

<sup>1</sup>Theology explains origin of *intelligence* by positing — guess-what! — *intelligence*. Named god. Childishly obvious logical circle. Darwin's Natural Selection 1<sup>st</sup> to move past it: *intellectual progress*.

**B2** With the foregoing in mind, we start with the early Greek convention of sexagesimal fractioning, including as we know from Strabo 2.5.7 (plus many more sources listed at O.Neugebauer *Hist Ancient Math Astron* p.590 n.2) that c.300 BC the Earth's circumference was thus divided into 60 (not 360) parts. Dividing 4000000 meters (§B1) by 60 thrice we recover 185 meters! (So  $C \equiv 216000$  stades by the very definition of the stade.) Since an error in Earth-circumference  $C$  of merely  $\pm 1\%$  would have led to a stade of 187m or 183m, the suggestion of 185m is that the ancient estimate of  $C$  was accurate to less than 1%: [www.dioi.org/jw04.pdf](http://www.dioi.org/jw04.pdf) argues that the achievement was due to Timocharis of Alexandria who supervised a vast civic project based on camel-drawn wheel-odometers & a team of expert astronomical observers gauging the Sun's altitude at Alexandria, Aswan (Syene), and Meroë, to determine their latitudes  $L$  to  $1'$ . The earliest known example of Big Science — *but we came within a whisker of losing forever even the awareness of its very existence.*

**B3** Which brings us to our first example of laboriously and expertly-achieved scientific knowledge lost: soon after Timocharis, Greeks devised a simpler, cleverer method of Earth-measure using the brand-new 300-foot high Lighthouse on Pharos Island in Alexandria harbor, one of the Seven Wonders of the Ancient World. Sostratos&Eratosthenes (mid-3<sup>rd</sup> century BC) found that the lighthouse flame was visible at sealevel from as far distant as 202 stades, and squared that to find Earth-radius  $r = 40800$  stades, thus  $C = 256000$  stades, which is about 6/5 too high because the experiment was sullied by Earth-atmosphere's bending of horizontal light. (See *Griffith Observer* 82.8 [www.dioi.org/g828.pdf](http://www.dioi.org/g828.pdf) pp.9-16.)

**B4** In the 1<sup>st</sup> century BC, Poseidonios equally ingeniously measured the time-difference between sunsets as seen from the base vs from the top of the Pharos (or some similar edifice), finding that a simple calculation indicated the Earth's circumference was 180000 stades, too low by 5/6, again due to atmospheric refraction of horizontal light (*American Journal of Physics* 47.2:126-128, 1979). This mini-size far outlasted the Eratosthenes-Sostratos value, even convincing Columbus he could reach China's Kattigara (Saigon) more quickly by sailing west than east in 1492. Upshot of these 2 later, simpler, more repeatable, & higher-accuracy-intended  $C$ -gauging methods,<sup>2</sup> [www.dioi.org/je01.pdf](http://www.dioi.org/je01.pdf), was a catastrophic unintended loss: the Subtraction for 2000<sup>y</sup> of one of the 1<sup>st</sup> grand science achievements in civilization's history (§B2), Timocharis' 1%-accurate 300 BC measure of the Earth's size.

## C Flattening a Round Earth

**C1** But if bimillennial loss of the Earth's precise circumference is regrettable, what of less-seafaring civilizations which never even knew Earth's roundness? This is of particular interest in connexion with the prominent modern cult which insists Greek astronomy owes a primal debt to Babylon, a fateful error based on 100<sup>y</sup>-durability of historians ignoring durability: failing to factor-in Babylon's baked clay tablets outlasting Greek papyri containing the original data, so fragments of Greek astronomy were initially found on Babylonian tablets older than extant physical Greek material. But by now little of value in Babylonian astronomy hasn't been traced to prior Greek science & its methods: [www.dioi.org/jw07.pdf](http://www.dioi.org/jw07.pdf).

**C2** The most remarkable peculiarity of panBabylonianism's True Believers is that while they impute all manner of genius to Babylon's omen-priesthood, no impression is made upon them by the unavoidable fact that Babylon lacked such astronomical essentials as: solstice observations, transit instruments, trigonometry, awareness of the planets' physical order, or even knowledge of Babylon's latitude: the last due to Babylonians' innocence of the Earth's roundness, so that the very concept of latitude was meaningless to them.

**C3** Worse, the onset of Europe's Dark Ages brought declining interest in science. Throughout the following centuries, right up to the Renaissance, maps routinely lacked latitudes&longitudes corresponding to Earth's spherical coordinates.

<sup>2</sup>Since the 185m stade was used in §§B3&B4 to compute-check each method's fit to 6/5 or 5/6, both fits' 1% neatness *is a final clincher proving that the ancient Greek stade was indeed 185m.*

## D Fixed Center of the Universe? Or Just Another Planet?

**D1** Recognition that the Earth moves did not begin with Copernicus. Two millennia earlier, Aristarchos of Samos — who may be dated by his outdoor observation (*DIO* 20 §2 = [www.dioi.org/jk02.pdf](http://www.dioi.org/jk02.pdf) Table 3) of a 280 BC Summer Solstice (cited at *Almajest* 3.1) — published the heliocentric theory. Several empirical indicia led him to that epochal idea.

**D2** According to geocentric theory, each planet's orbit was two-fold: a "deferent" and an "epicycle". But there was a peculiarity: all the outer planets' epicycles and inner planets' deferents were nearly<sup>3</sup> an image of the Sun's orbit, in orbital position and thus orbital period. Aristarchos realized that these annual appendages would vanish if the Sun were the system's center, with the Earth orbiting the Sun annually: a far simpler, sparer, Occamite conception.

**D3** Further, since it was known from eclipses that the Moon was c.60<sup>r</sup> (Earth-radii) distant, while the eye could tell that the half-Moon was no less than 87° from the Sun, then (since  $\sec 87^\circ = 19$ ) the Sun was at least 19 times more distant than the Moon, or c.1100<sup>r</sup>, meaning: since its angular semidiameter was 1°/4, its radius was  $2\pi \cdot 1100/(360 \cdot 4) \approx 5^r$ , thus a volume of over 100 Earths, an imbalance that raised the obvious question against geocentrism: does the tail wag the dog? I.e., it made no sense that the lighter Earth would dominate a Sun at least 100 times bigger. (Oddly, the inequality was acknowledged even by geocentrism's patron saint, Claudius Ptolemy: *Almajest* 5.16 has the Sun 170 times bigger.)

**D4** But Aristarchos likely used the halfMoon argument only for popular controversy since he had much stronger evidence in reserve: as the Earth rotates daily on its axis, the Sun never visibly wobbles (parallactically oscillates) against the background of the stars, a point made obvious by Mars' seeming diurnal immobility during a perihelion stationary point, when oscillation would be easily visible if the Sun-Earth distance were merely ordmag 1000<sup>r</sup>. Light-specialist Aristarchos had found (§F2) that human vision's limit is 1/10000 radians, thus the *invisibility of solar parallax* proved the Sun was at least 10000<sup>r</sup> distant. So, by the same math-procedure used at §D3, its radius was  $2\pi \cdot 10000/(360 \cdot 4) \approx 44^r$ , meaning that its volume was ordmag 100000 Earths, which geocentrists would have a hard time answering by scientific reasoning, so they answered it instead by simply threatening Aristarchos: *DIO* 1.1 §7 = [www.dioi.org/j117.pdf](http://www.dioi.org/j117.pdf) §G. (Today's Historians of science answer the unanswerable similarly: [www.dioi.org/tar.pdf](http://www.dioi.org/tar.pdf).)

**D5** Then Aristarchos went past the Sun: *invisibility of stellar parallax* (near stars' oscillation against the deep stellar background, due to Earth's annual orbital circuit) proved stars were at least 10000 AUs (solar distances) away; he combined his 2 results in an equation surviving in Archimedes' *Sandreckoner* (*Works* ed. T.Heath 1897 p.232: *with 10000 provided explicitly as limit*), showing his universe's volume was ordmag a *trillion* ([www.dioi.org/jw05.pdf](http://www.dioi.org/jw05.pdf) §D1) times the geocentrists' or 10<sup>24</sup> Earths. His vast conception of the universe's size&age were far ahead of his time, and so were Subtracted for centuries. [While *Sky&Tel* lauds faker-thief Ptolemy, *Astronomy* 2022/2 p.42 ranks Aristarchos higher.]

## E Accurate Astronomically-Founded Ancient Maps: Lost Forever

Maps based upon astronomically-fixed latitudes&longitudes existed during high antiquity, a fact little known today because: not one survives. But, then: how do we know that they ever existed? The answers involve corruption by astrologers of ancient Greek scientists' measures of latitude&longitude. We will now consider these 2 processes, in order:

**E1 Latitudes' Random Corruption** Due to ranking Ptolemy's *Geographical Directory* (*GD*) as ancient mathematical geography's epitome, it was for centuries universally believed by historians of ancient geography that ancient latitudes were but crudely accurate, to c.1°. (Though astronomers had known throughout the same centuries that all his alleged

<sup>3</sup>Emendations significant and fraudulent, to obscure heliocentrism: [www.dioi.org/jw08.pdf](http://www.dioi.org/jw08.pdf) §D1; *American Journal of Physics* 55.3:237-238, 1987. **NB:** Ptolemy accounted for the **VISIBLY** heliocentric oscillations of Mercury and Venus by having them orbit *not the Sun* but a point *BETWEEN Earth and Sun!* The very model of a crank scientist: see Vidal's joke at [www.dioi.org/j117.pdf](http://www.dioi.org/j117.pdf) §§A1&B1.

“outdoor” observations were faked.) This, since *GD*'s mean latitude error was indeed ordmag  $1^\circ$ . Then, in 1982 appeared 2 papers showing the accuracy of ancient compilations of stars' celestial latitudes & declinations required that Greek astronomers had measured terrestrial sites' geographical latitudes *L* to an accuracy of about  $1'$ : *PASP* 94.2:359-373 Table V, & *Isis* 73:259-265, n.17. (Later: *Vistas in Astronomy* 28:255-268, 1985 p.257; *DIO* 4.1 ¶3 = [www.dioi.org/j413.pdf](http://www.dioi.org/j413.pdf) esp. §F [1994].) The  $1'$  finding has been twice independently confirmed since: *Centaurus* 27:280-310 (1984), & *JAHH* 17.3:326-338 (2014), leaving the mysterious disjunct between it & Ptolemy's huge *L* errors: 2 ordmags sloppier! Solution: the ancient astrologer-astronomer-geographer Hipparchos is attested to have filed cities under *discrete* klimata<sup>4</sup> (*GD* 1.4.2). Purpose: for convenience of those computing astrological houses without a library of separate tables for every latitude-degree, he **rounded** cities' latitudes to discretely cubbyhole them, *thereby randomly corrupting their accuracy* (*Vistas* pp.260-264). Assuming the *GD* latitudes computer's klimata cubbyhole-interval was  $1^h/4$  (*Almajest* 2.6), the math is traced at [www.dioi.org/jm01.pdf](http://www.dioi.org/jm01.pdf) §§K&S, showing that such rounding would indeed cause a mean *GD* latitude-error of ordmag  $1^\circ$ .

**E2 Longitudes' Systematic Corruption** P.Gosselin in 1790 was the 1<sup>st</sup> to note that the *GD*'s longitudes were systematically too large by 30%-40%, indicating an ancient expansion of accurate longitudes. The obvious source of these would be lunar eclipses, which is in fact the method Hipparchos recommends: Strabo 1.1.12. It appears that, when Ptolemy switched Earth-sizes between *Almajest* & *GD*, he didn't realize that scientists' longitudes were eclipse-based (and thus should be left alone: [www.dioi.org/jm01.pdf](http://www.dioi.org/jm01.pdf) §F) but instead stretched them by about 4/3, the inverse of his *Almajest*→*GD* Earth-shrinkage factor (c.3/4). Unstretching his expansion, we find roughly  $1^\circ$  longitude accuracy, characteristically insensitive<sup>5</sup> to cities' longitudinal differences, as should be the case. (E.g., *ibid* §O emphasizes that the  $42^\circ$  Carthage-Persepolis unstretched longitude-difference is ordmag 1%-accurate.) Thus ancient maps' longitudes can be somewhat restored by simple unstretching.

**E3** But without future recovery of an original ancient map or data-list compiled by *scientists*, loss of such maps' precise latitudes can never be undone other than for a few lucky special cases, such as Memphis-Giza-Heliopolis, Tyre-Sidon, Alexandria, & Lindos.

## F Vision-Limit Implies Vast Universe. Historians-of-science Cover.

**F1** Most people are surprised to learn that human vision's limit is c.1/3 or c.1°/200, since the human pupil is c.6 mm wide and visible light's mean wavelength is a little less than 6000 angstroms, so the limit is about 6000 angstroms/6 mm  $\approx$  1/10000 radians.

**F2** But it's more of a surprise to see that by c.280 BC Greeks were aware of this limit, due to Aristarchos, who was expert at not only astronomy&math but vision&light, and applied his expertise *and inductive genius* (§§D4&D5) to the invisibility of diurnal solar parallax & annual stellar parallax to show heliocentricity proved his universe's volume was a trillion times geocentrists': *Griffith Observer* 84.1 = [www.dioi.org/g841.pdf](http://www.dioi.org/g841.pdf) pp.13-18. This remarkable truth lay buried for centuries, latterly due to History-of-science's Muffia, who've spent decades worshipping *non-scientist* geocentrist fabricator Ptolemy while dissing genuine empirical *scientist* & pioneer heliocentrist Aristarchos as a worthless fabricator: e.g., *idem*; [www.dioi.org/jw11.pdf](http://www.dioi.org/jw11.pdf) §F1. So the ancients' knowledge of vision's limit wasn't recognized until 1992 (!), at *DIO* 1.3 = [www.dioi.org/j139.pdf](http://www.dioi.org/j139.pdf) fn 272, a discovery expanded in 2008 at [www.dioi.org/je02.pdf](http://www.dioi.org/je02.pdf) = *DIO* 14 ¶2 and in 2020 (thanks to the astronomical expertise of Ed Krupp) in *Griffith Observer* (*loc cit*). More surprising yet: though Greeks knew 2300<sup>y</sup> ago that vision's limit was 1/10000 radians, contemporary historians

<sup>4</sup> Klima: band of constant latitude & longest-day. Eminent philologist Diller's perfect 1934 solution of Hipparchan klimata: Subtracted 87<sup>y</sup> now by Hist.sci smear (“absurd” not to be “taken seriously”) while pushing Princetitude&NYU theories not fitting even 1/2 the data: [www.dioi.org/jm03.pdf](http://www.dioi.org/jm03.pdf) Table 1.

<sup>5</sup> As noted at *ibid* §O: the absolute accuracy of an eclipse-based longitude-difference is the same whether that difference is  $1^\circ$  or  $100^\circ$ , thus the relative accuracy of large differences is striking.

of science don't know it: confirmed at a Johns Hopkins Univ History-of-science Dep't colloquium 2018/10/4 (attended by over 2 dozen of History-of-science's idea of serious scholars), an embarrassment so appalling that the Dep't has fled into Safe Space protection, from the double threat of dissent and competent science, by banning *DIO*'s publisher from future colloquia: see [www.dioi.org/tar.pdf](http://www.dioi.org/tar.pdf) for amusing (& unamusing) details.

**F3** Greeks saved subject Babylon's eclipse records: going back to the 13<sup>th</sup> century BC! The vast time-base thus obtained permitted finding lunisolar periods to one part in millions: all 3 monthlengths to 1 timesec or better. The Babylonian records were later lost, one of the Dark Ages' major Subtractions. But in 2002-2003, it was found that all 3 hitherto-unsolved high-accuracy ancient period-relations were explained by matching 13<sup>th</sup> century BC eclipses to ones from 281 BC-136 AD, while no matches for shorter time-bases can solve them: *DIO* 22 ¶3 = [www.dioi.org/jm03.pdf](http://www.dioi.org/jm03.pdf) §§I34-I38. Yet not a single historian-of-science has been able to understand the discovery, so ingenious Greek use of 13<sup>th</sup> century BC Babylonian eclipse data is Subtracted not only from medieval scholarship but modern.

**F4** Greek astronomers knew how to measure solstices, realizing they were more accurate than equinoxes, thus using solstices not equinoxes as anchors for their calendars. *DIO* has reconstructed 4 anciently-observed Summer Solstices (1 by Kallippos, 1 by Aristarchos, 2 by Hipparchos); their mean error is less than 2<sup>h</sup> — vs 7<sup>h</sup> error for Hipparchos' equinoxes from *refraction, bad parallax, & instrument-settlement: none of which degrades a solstice.*

**F5** Ancients used the *obvious* method for finding times of solstices: Equal Altitudes.<sup>6</sup> (Solstice occurs halfway between times of 2 equal solar noon-heights a few weeks before&after the event.) At least it's obvious to everyone (e.g., the standard Bowditch *Navigator*) except Historians-of-science, whose archons (Yale-UnivChi-CalTech Noel Swerdlow & *Journal for the History of Astronomy* Editor James Evans) declare that a solstice's time cannot be accurately determined *because the Sun is not moving in declination at a solstice*: *DIO* 20 ¶2 = [www.dioi.org/jk02.pdf](http://www.dioi.org/jk02.pdf) §B2. Many 9<sup>th</sup> graders are wiser than this: enjoy fn 6!

**F6** No more elementary or lethal evidence could be brought forth, for demonstration of scientific and mathematical demi-wittedness amongst History-of-science's demigods. Readers can decide if this is a case of Subtracted Knowledge or of provincial semi-numeracy.

**F7** *DIO* 22 ¶2 = [www.dioi.org/jm02.pdf](http://www.dioi.org/jm02.pdf) §N8 compiled a dreary spectrum of modern historians-of-science trashing the grandeur of high Greek science, an astonishing display of misunderstanding of how earlier scientists operated: solstices (§F5), geodesy, eclipse-use, stars, etc. When in 2017 an array (*DIO* 24 ¶1 = [www.dioi.org/jm01.pdf](http://www.dioi.org/jm01.pdf) §B) of accurate Greek achievements was sent Hist.sci Soc Editor I.F.Cohen he refused even to read it: 2003's flicker of tholing under Editor Margaret Rossiter (*Isis* 93:500-502) is extinguished.

**F8** Not only do science-blind historians denigrate the greatest of ancient scientists, Aristarchos (e.g., Neugebauer 1975 pp.642-643; Van Helden 1985 pp.6&167), the same blindness is applied to others. *Isis* in 2016 published a huge Pb paper arguing against ancient longitudinal eclipse-based accuracy — the author accomplishing this by treating a solar eclipse as lunar & confusing Earth's East&West hemispheres (*DIO* 22 ¶1 §D & p.8).

**F9** *Journal for the History of Astronomy* Editor James Evans has never retracted his botched 1981 outdoor experiment (*DIO* 16 ¶1 = [www.dioi.org/jg01.pdf](http://www.dioi.org/jg01.pdf) §A) by which he demeaned the accuracy of Hipparchos' misplacement of a single star, without considering the consistent context (*DIO* 22 ¶3 = [www.dioi.org/jm03.pdf](http://www.dioi.org/jm03.pdf) §B8) of his accurate stellar&solar data. All this to *randomly* alibi the *systematic* fakes of Hist.sci-icon Ptolemy. [Evans' succuphantic obedience to orthodoxy entails hermetic inPtolerance of *DIO* output. Thus has *JHA* ensured decades of immunity to advancing scholarship at the highest level.]

**F10** So we not only lost the high science of Greek civilization during the Dark Ages of medieval Europe, but also during scientific history's ongoing Dark Ages, as exemplified by a modern tenet-clinging, math-challenged academic cult aiming at power rather than truth.

<sup>6</sup> *DIO* 20 ¶2 = [www.dioi.org/jk02.pdf](http://www.dioi.org/jk02.pdf) §B2: “nay-jerk R.Newton-hater (*DIO* 1.1 ¶3 §§D2-D3) [NS effectively says] if you toss a ball upwards at  $t_1$  and catch it at  $t_2$ , it is ‘ridiculous’ to suppose that its height maxed at  $(t_2 + t_1)/2$ .”

## G Intellectual Freedom's Resiliently Determined Enemies

**G1** Great intellects' ancient decline we connect with the Dark Ages (in spite of their deniers: *DIO 9.3* fn 75; *DIO 24* fn 66). But the **governmental** murders (i.e., **extreme exilings**) of Socrates, Archimedes, Spartacus, Cicero, Jesus, Seneca, Lucan, & lethal threat (§D4) to Aristarchos' life (*DIO 1.1* †7 = [www.dioi.org/j117.pdf](http://www.dioi.org/j117.pdf) §G), occurred at the *height* of ancient "civilization". When **slavery** was so taken for granted, no intellectual or religion even thought to condemn it (*DIO 25* p.2), just as, today, exilings (of anyone who breaks silence on forbidden views) are so routine that no major forum, organ, or church objects.

**G2** But Christianity went beyond, by exhibiting the vicious intolerance ever associated with monotheism, from Akhenaten to Mohammed. Whether Edward Gibbon was correct in heavily blaming the Fall of the Roman Empire on the rise of Christianity, the historical fact remains that blood-steeped Emperor Theodosius in 391 AD decreed the equivalent of a St.Valentine's-Day-Massacre end to pagan↔Christian back&forth power-grabs: all pagan religions' temples were razed to the foundation-stones. The ideal of free intellect as path to truth was thus banished for centuries. Error-Has-No-Rights became the standard approach to ideas, & civilization's decline was accelerated by, as morals-historian W.E.H.Lucky put it (*DIO 1.1* †1 = [www.dioi.org/j111.pdf](http://www.dioi.org/j111.pdf) fn 17 emph added), the "doctrine of exclusive salvation, and the conceptions of the **guilt of error** and of ecclesiastical authority."

**G3** Capture of the famous Alexandria Library by Omar's mass-murderous Islamic army 100s of years later has been blamed for its loss. But what of value was left in the Library? The money for culture ran out a millennium earlier, about the time of Ptolemy VII Physkon in the mid-2<sup>nd</sup> century BC. (The known names of the librarians do not extend beyond then.) The effect of Christianity's filtration of what mss were to be preserved may be gauged by the number of invaluable treatises that survive today only as palimpsests: i.e., to save writing materials, monks wrote already-mega-echoed pious junk upon a papyrus from which an important work had been erased — but which today's technology fortunately can recover. Sadly, high technology is also now being used ever more aggressively&cleverly to extirpate all vestiges of heterodoxy, thereby preventing Rightsless Error's dreaded metastasization.

## H Academe Hoaxing the Public: Apotheosis of a Scientific Criminal

*Academe gifts mankind with massive knowledge&uplift.* Yet hides truth whenever it likes:

**H1** In recent centuries, Ptolemy, author of astrology-bible *Tetrabiblos*, was justly viewed as astronomy's ultimate fraud, since he indoor-faked or plagiarized ALL of his more than 1000 "observations". How he faked his 4 cardinal-point solar data was exposed at least as early as 1639 by Christian Severin, and in more detail in 1819 by astronomer Delambre, who showed Ptolemy's *indoor* method of creating an *outdoor* Sun "observation" was just to add an integral number of Hipparchan years onto a real Hipparchan observation<sup>7</sup> c.280<sup>y</sup> earlier. But, since Hipparchos' yearlength, 365<sup>d</sup>1/4–1/300, was too long by 6<sup>m</sup>, the fabrications' mean error was c.280<sup>y</sup> times 6<sup>m</sup> or c.28<sup>h</sup>. Ptolemy's 4 solar "observations" ended up 50 times nearer where Hipparchos' tables predicted the Sun to be, than where it really was.

**H2** C.Peters found (1915) Ptolemy's star catalog was correct for 58 AD, before his birth. H.Thurston showed Ptolemy's findings of planet-elements were rigged: *DIO 4.2* †6 (1994). (*JHA* owner Hoskin politely told Thurston 2003/6/21 to get lost: [www.dioi.org/pm3.htm](http://www.dioi.org/pm3.htm).) R.Newton's Johns Hopkins Univ 1977 *Crime of Claudius Ptolemy* found when Ptolemy update-added 2°40' to Hipparchos' star catalog longitudes, fractional endings<sup>8</sup> shifted frequencies clearly betrayed theft-plagiarism: *DIO 4.1* †3 = [www.dioi.org/j413.pdf](http://www.dioi.org/j413.pdf) §C.

**H3** Ptolemy's fakes weren't harmless: they hurt astronomy by delaying discovery of correct precession by 1400<sup>y</sup>; p.2; [www.dioi.org/jw08.pdf](http://www.dioi.org/jw08.pdf) §F; [www.dioi.org/jw09.pdf](http://www.dioi.org/jw09.pdf) §A2.

<sup>7</sup>Elementary Ptolemy fraud instance: *DIO 8* †1 = [www.dioi.org/j801.pdf](http://www.dioi.org/j801.pdf) ©2, **arithmetically** producing exactly Autumn Equinox 139/9/26 7<sup>h</sup>, reported at *Almajest* 3.1 [Toomer 1984 ed. p.138] as an outdoor observation, though actual Autumn Equinox was day-before-yesterday at 139/9/24 22<sup>h</sup>. **AAAS' "GREATEST"** faked all 4 of his Sun "observations" by this same primitive highschool trick.

**H4** But Princetituter Neugebauer & Harvard Hist.sci head Gingerich play-deaf to every unsubtle Ptolemy gaffe (many exposed: [www.dioi.org/jw08.pdf](http://www.dioi.org/jw08.pdf)), hilariously-fraudulently ranking him **Greatest Ancient Astronomer** in AAAS' *Science* 193:476 (1976/8/6), backed in 1979 by *SciAmer* 240.3:90-93 **whose people heard cult slanders** [[www.dioi.org/jm02.pdf](http://www.dioi.org/jm02.pdf) fn 52] instead of *Almajest* contradiction ([www.dioi.org/jm03.pdf](http://www.dioi.org/jm03.pdf) fn 8) of *ScAm*'s thesis; & *Sky&Tel* 103.2:38-44 (2002/2). Unretracted lies by such no-retreat, facesave-priority Respectables (a few similarly crackpot views at [www.dioi.org/jw11.pdf](http://www.dioi.org/jw11.pdf)) inevitably pollute popscience books: above, p.2. Implicit arrogance: we put over even an unsubtle, threadworn conman of Ptolemy's ilk as "The Greatest", we can get away with ANY historical re-write. [Astronomer Willem Luyten on academe's & NSF's integrity: [www.dioi.org/j111.pdf](http://www.dioi.org/j111.pdf) §B2.] **H5** Knowledgeable scholars realize<sup>8</sup> Ptolemy faked but fear offending equally-fake<sup>9</sup> journals that keep bills-paying Congress from learning a "scientific" immortal cheated. Ptolemy-flacks ignore his&their own frauds & count on today's slut "Science Press" to do so for decades straight. Enough censorship&threat attend this crusade-to-degrade history for academe's larger profit, that [www.dioi.org/jo00.pdf](http://www.dioi.org/jo00.pdf) §C asked: would academe **DARE** such blatant dishonesty **unless already 100.000% sure the Science Press will stay quiet?**

## I Shakespeare: Double Decline

**I1** After London's top playwright Christopher Marlowe vanished 1593/5/30, how long before Shakespeare debuted as a poet? Ask anyone & you'll almost certainly get a blank.

**I2** That's because the Free snicker Press won't print the information, even though there's no doubt whatever about it, as even the leading anti-Marlovian Chas. Nicholl admits (Paul Edmondson & Stanley Wells, Eds, *Shakespeare Beyond Doubt* 2013 Univ Cambridge p.29): on 1593/6/12, under **2 WEEKS** after Marlowe's supposed death, Richard Stonley, browsing through London's bookstalls, happened upon the 1<sup>st</sup> "Shakespeare" creation, *Venus&Adonis*, noting it in his (extant) diary. But the press' attitude to anything upsetting to an establishment is: why disturb the unwashed with facts which they might — in their ignorant innocence — "misinterpret", thereby coming to an Unacceptable conclusion? Best just leave it be.

**I3** Marlovians argue that, freshly indicted for treason, etc., Marlowe faked his death, like *Romeo & Juliet*, & *Measure for Measure* 4.2. (*DIO 26* = [www.dioi.org/jq00.pdf](http://www.dioi.org/jq00.pdf) has events' reconstruction: "From Topless Queen to Feckless Armada to Godless Resurrection".)

**I4** By the early 19<sup>th</sup> century, the Shakespeare *oeuvre* had become somewhat neglected. But interest rebounded so fast that by c.1830, even musical settings of his works flourished, e.g., Mendelssohn's *Midsummer Night's Dream*. Berlioz's *Symphonie Fantastique* arose from passion for a stage Juliet, Harriet Smithson. (Whom he later married, divorced, buried, & over 10<sup>y</sup> later by chance held in his hand her rotting severed head, in a haunting replay of *Hamlet* 5.1's graveyard encounter with the cranial remains of beloved jester Yorick.)

**I5** In an odd irony, due primarily to a total absence of Shakespeare mss, along with his highly detailed will's lack of a hint of literary interest: by the same 19<sup>th</sup> century, many prominent men of letters believed someone other than Shakespeare had written his corpus.

**I6** Whereas the decline in appreciation of the works has fortunately been reversed, recognition of their ghosted authorship has gone quiet, though all evidence that's come to light in the last century is in favor of ghosting ([www.dioi.org/ji00.pdf](http://www.dioi.org/ji00.pdf) §E) — and of William Shakespeare's merit for having the courage & thespian skill to pull off posing as a front.

**I7** But reality glimmers through: [www.dioi.org/hst.pdf](http://www.dioi.org/hst.pdf), Westminster Abbey's Marlowe memorial questions his supposed death date: "21593". *Henry VT's* recent edition admits at least Marlowe's co-authorship. Yet, given the Stratford Theatre's power, the inertia of universities & compliant press: it'll be at least decades ere the public is allowed the truth. After all, Marlowe's deft, life&poetry-saving hoax has succeeded for over 4 1/4 centuries.

<sup>8</sup>E.g., the modern star-data satellites are named *Hipparcos* & *Tycho*, skipping Ptolemy 99% of whose *Almajest* 7.5-8.1 Star Catalog is just a theft from Hipparchos: e.g., [www.dioi.org/jm04.pdf](http://www.dioi.org/jm04.pdf) §§B4-B6.

<sup>9</sup>Hist.sci "refereeing": [1] Checking not for competent scholarship but to verify club membership & orthodoxy-assent. [2] Fraudulence: [www.dioi.org/jm00.pdf](http://www.dioi.org/jm00.pdf) pp.2&8; inside-witness at *ibid* p.13 fn 3.

## J Painting: Vermeer Double Exposure

**J1** Once upon a time, there was genuine art to painting. Then came photography, agency, and the art market. And Modern Art — which is now well over a century old, so: how can one call an antique “modern”?

**J2** Old masters’ value has flagged in recent decades, partly from difficulty of checking provenance, esp. with so many fakes in play. But Modern Art keeps flirting with Big Money. Ridiculous, anonymous, if unverifiable prices — which will NEVER fall *if you trust the “critics”* — have so corrupted the Art World that the public no longer takes it seriously. (We note that there is little parallel among those who value refined music.)

**J3** Promotion is all. E.g., check old films: lovely, skillful paintings on sets’ walls. But no current director would waste such chances to advertise a bigbucks Modern Artist, since art is now sold like cigarettes were (DON’T MISS [www.dioi.org/j211.pdf](http://www.dioi.org/j211.pdf) §L3’s blatancy!) once sold by tobacco-industry-subsidized Hollywood-artificial normalcy and ubiquity.

**J4** Expertise-pretense by Art “experts” has been exposed repeatedly. And amusingly. Han Van Meegeren fooled the world’s critics 1938-1945 by faking ultraprecious Vermeers. (And it turned out that Jan Vermeer himself had used lenses to cast images upon canvases.) Decades later, the immortal Babs’ paintings won prizes at art fairs until it came out that she was a monkey. One of Jackson Pollock’s most iconic dribbles was found to have been painted over by another hand, but not one Art Expert noticed that for years, until scientific testing revealed the truth. (Follies’ details at *DIO 18* = [www.dioi.org/ji00.pdf](http://www.dioi.org/ji00.pdf) §T.)

**J5** And what’s the Watchdog Press’ rôle, as decades of sham roll on? *To abet the sham*. Newspapers regularly publish articles on auctions of allegedly multi-million-dollar sales of Name-Artist paintings — which most of the public just snickers at. But they upchuckle unassisted and without media representation. When was the last time you read a skeptical newspaper piece on the art cartel? What is the ratio of pro-vs-con articles on Modern Art? Does anyone think that the dearth of spoofs of the art market is happening by accident, independent of influence of megacash generated by that very market? (Note the difference between why newspapers publish art-snot ravings vs why they publish horoscopes: the latter appeals instead of repels, so its hermetic protection from astronomers’ debunkings protects circulation-profits, not peddlers’ payola. Textbook case of press ethics.)

**J6** Only occasionally does a rebel penetrate the omertà: Lee Erme, the sergeant of Stanley Kubrick’s 1987 black comedy film *Full Metal Jacket* highlights the art racket’s often-deliberate tendency to the grotesque, telling a recruit: “You’re so ugly, you could be a Modern Art masterpiece.” (Picasso’s iconic *Guernica*: history’s most expensive cartoon.)

**J7** When respect for genuine artistic talent is second to promotional skills, one can’t avoid concluding that we have here a genuine degeneration of culture.

## K Music: Ludwig Van What? Inverse Exclusivity.

**K1** Anyway, paintings are static; music, dynamic. Henry Mencken observed that the 18<sup>th</sup> century’s greatest artistic achievement was raising music to top rank among the arts.

**K2** Wonderful melodic lines ranging from *Dies Irae* to *Greensleeves* precede our time by centuries, and the attractive ancient melodies orchestrated by Respighi and Cantaloube have a lasting, universal attraction. Brahms’ *Hungarian Dances* were his versions of bright Gypsy [yes: *Gypsy*] tunes he’d heard during his youthful touring-pianist days. He incorporated their influence into some of his formal music, e.g., the wild finales of his 1<sup>st</sup> *Piano Quartet* and *Violin Concerto*. Other composers, e.g., Dvořák and Sibelius, took inspiration from folk-music but created their own melodies in the folkish style.

**K3** In his 1935 book *National Music*, Ralph Vaughan Williams (1872-1958), an in-law of the Darwins, made a case that the evolution of unwritten, traditional, hand-me-down folk-tunes was similar to Darwinian evolution in that [a] only the appealing ones will survive; [b] if a mutation chanced to enhance the tune’s appeal, that’d be a competitive advantage; [c] thus, folk music advanced by Natural Selection, without intent or guidance.

**K4** RVW & Gustav Holst in England and Bartok&Kodaly in the Balkans collected native folk tunes. A fruit of Bartok’s efforts is gentle (& vampire-less) *Evening in Transylvania*.

**K5** In the late 1700s, Mozart took serious music out of the court, directly to the public. Later, Beethoven, Wagner, Puccini infused potent tension and emotional romance into scrupulously-designed constructs: symphonies&concertos, elaborate operas&musicdramas. The exalted result so spoke to humanity’s heart that the building of concert-halls & opera-houses followed, plus music-academies that trained pianists etc who spent years learning their crafts; dedicated composers issued from the same institutions. The resulting music appealed so broadly that when phonograph made it widely available, symphonic-music sales of familiar composers (besides those cited elsewhere here) thrived: Chopin, Verdi, Franck, Bruckner, Bruch, Tchaikovski, Elgar, Mahler, Debussy, Nielsen, Copland, Shostakovitch, Barber, Bernstein; and lesser-knowns: Lalo, Chausson, Delius, Glazunov, Suk, Dohnanyi, Pizzetti, Bax, Rangström, Atterberg, Martinu, Jensen, Moeran, Orff, Harris, Korngold, Hanson, Walton. (Sample their music by clicking on [www.dioi.org/mus.htm](http://www.dioi.org/mus.htm).)

**K6** Radio and later television carried concerts & operas. Cliffhanger serials on radio & in popular cinema took uplifting music for their themes. Even kiddie-series: *Sergeant King of the Yukon* had Reznicek’s unYukonish *Donna Diana Overture*; *The Lone Ranger* used Rossini’s irresistible *William Tell Overture* & Liszt’s thrilling&majestic *Les Preludes*<sup>10</sup> (early TV version added music of Wagner). The 1950s TV-series *The Big Story* began with the sinewy opening theme of modest Richard Strauss’ autobiographical *A Hero’s Life*. The Olympics concluded with the Beethoven *Ninth’s* finale. [Happily restored 2022 !]

**K7** Near 100<sup>y</sup> ago films started adding musical accompaniment, hiring famous composers, e.g., Saint-Saëns&Prokofiev or using known music of such as Wagner&Rachmaninov. Karloff’s *The Ghoul* (1933) did Siegfried’s Funeral Music; *7 Year Itch* (1955) featured the 2<sup>nd</sup> *Piano Concerto*.<sup>11</sup> Filmic biographies of composers were made and made money: e.g., the lives of Rob’t&Clara Schumann: *Song of Love* (1947) with Robert Walker as Brahms. RCA issued “President Eisenhower’s Favorite Music”, incl. Beethoven&Mendelssohn’s *Coriolan&Hebrides* Overtures. [If RCA tried it today the exposed President would sue for libel.] Even chiliscarfin’ Lt. *Columbo* as late as 1972 (S1E5) enjoyed Brahms’ 2<sup>nd</sup> Piano Concerto.

**K8** Then arrived overtaxation of inventory, inhibiting specialty items’ availability. Along with unit-cost priorities: one \$10,000,000-sale item makes slightly more profit than ten \$1,000,000-sale items, precision-greed reducing the entire public to the lowest’s tastes. Non-mega-hit products declined. Opera-houses became movie-theatres or Grand Ole Opry. If Elvis outsells Beethoven, then who needs Beethoven? *Any* Beethoven. Just **EXCLUDE** him. As the US’ populace becomes more primitive, so does its ever-more-**EXCLUSIVE** culture, busy wiping out all memory of dedicatedly-accreted centuries of refined musical heritage.

**K9** Whereas London, Vienna, & Berlin maintain steady audiences and academies for the preservation of a tradition of fine music, the US is descending<sup>12</sup> to its apparent ultimate fate: a Third World nation culturally. The question isn’t whether a US citizen has ever heard the exhilarating music of revolutionary pioneer&genius Ludwig Van Beethoven. (Likely not.) The question now is: has he ever even heard **OF** Beethoven? Not if his tastes are of payola-bordercollied popular media & not if he follows *Amadeus*’ suicidal replacement of sanguine Beethoven by temperate Mozart as THE “classical” composer. Today, even sober TV talk-shows’ entr’acte music is earbeer. At best. About 10<sup>y</sup> ago, Fox News Channel once ran classical music instead. Once. Needless to say, the offense has not been repeated.

<sup>10</sup>Theme to 1940’s serial *Flash Gordon Conquers the Universe* was *Les Preludes*; & Hitler boasted 1941/6/21 it’ll be his Moscow *sieghardemusik*. But next day’s war didn’t even conquer Reds’ universe.

<sup>11</sup>The only music dedicated to a shrinkoanalyst. Rachmaninov’s communion with the human heart is famous ([www.dioi.org/rar.htm](http://www.dioi.org/rar.htm)), even satirized: in the 1955 comedy *Seven Year Itch* Tom Ewell schemes to seduce Marilyn Monroe with the concerto’s mesmerizing aid, smugly expressing his confidence: “Give her the full treatment. . . . Good old Rachmaninoff. The *Second Piano Concerto*. Never misses.”

<sup>12</sup>Early omen: when Trump bragged that the US produces symphony orchestras (and scientific institutions [& inventions]), upper-case-Liberal commentator Jonathan Capehart called the boast **racist**.

## L Stolen Magic: Neptune's Long-Miscredited Predictive Discovery

**L1** On 1846/8/31, the Paris Observatory's most capable mathematical astronomer, Urbain J. J. Leverrier, announced to the French Academy that an unseen giant planet lurked among the stars near the boundary of Capricorn&Aquarius. His prediction was based on the mathematics of planetary perturbations — 1<sup>st</sup> developed in the previous century by immortal French math geniuses Laplace&Lagrange — by which one planet's gravitational effect on another is treated as a small perturbation upon the disturbed planet's mean orbit. (The problem today is instead dealt with by numerical integration, since Myles Standish of CalTech JPL [ & of DIO ] in the 1980s converted the US Naval Observatory's *Astronomical Almanac* to generating its tables by that more trustworthy & less confusing approach.) Laplace's vision of the universe was so mechanistic that, when Napoleon found no mention of god in Laplace's monumental *Mécanique Céleste* & inquired of him, Laplace famously replied "I have no need of that hypothesis." (His saintly colleague Lagrange disagreed.)

**L2** The accelerating deviations of 7<sup>th</sup> planet Uranus from its predicted path had throughout the early 19<sup>th</sup> century devolved from vexing to notorious, defying scientists' triumph over celestial motion. On the already widespread assumption (by, e.g., A. Bouvard of France & the great Königsberg astronomer-mathematician F.W. Bessel) that an unseen planet was disturbing Uranus' path, Leverrier had laboriously computed where that planet must be.

**L3** The bounds of his predicted place were plus-or-minus ordmag 10°. Leverrier's daring was recognized by the quizzical press of the day, which was shortly remarking on the Leverrier planet "which nobody has yet seen". There's no record that even his own Paris Observatory bothered to look for it. Finally, Leverrier wrote a letter to the Berlin Observatory, giving his predicted position but omitting the plus-or-minus. It arrived 1846/9/23. The Berlin Observatory possessed two advantages not generally available:

[1] A fine Merz&Mahler refracting telescope of 9 1/2 inches aperture, twin to the Great Dorpat Refractor (largest refractor in the world 1824-1829: [www.dioi.org/jv00.pdf](http://www.dioi.org/jv00.pdf)).

[2] Karl Bremiker's scrupulous chart of the suspect region's stars, Hour XXI of the observatory's Berlin Sternkarten project begun in the 1820s by Bessel. But that particular map hadn't so far been sent to other observatories since mailings were in pairs to save postage, and the 2<sup>nd</sup> map (projected to eventually achieve a mailable pair) wasn't ready yet.

**L4** That very evening astronomers Johann Galle & Heinrich d'Arrest began telescopically comparing the Bremiker star chart to the stars at Leverrier's predicted place. In under an hour, ***an object was found that was not on the map***. The observatory's incredulously tense scientists tracked it the rest of the night, vainly hoping to detect if it moved. By next night motion was obvious & about as predicted. Galle wrote to Leverrier 1846/9/25: your planet "**really exists**". Leverrier's vindication-exaltation was a scientist's dream come true.

**L5** The 8<sup>th</sup> planet Neptune's discovery is ever remembered as the most magical moment in the history of the magical science of astronomy, the oldest of the sciences, and that which 1<sup>st</sup> contributed genuine precise **PREDICTION** to humanity's powers.

**L6** French pride was understandable. Of all previous planet-discoveries — Uranus 1781, Ceres 1801, Pallas 1802, Juno 1804, Vesta 1807, Astraea 1845 — not one had been French (English, Italian, & German instead).

But now the most astounding of them all was by a Frenchman. The public announcement was a sensation — shortly made more sensational yet by a suspiciously late priority claim from the previously-silent British: now that the planet was discovered, Britain claimed a reticent Englishman had predicted it 1<sup>st</sup> but had somehow neglected to publish the prediction.

**L7** The reader may wonder whether this is too bizarre to be anything other than a joke. But the bizarritiy was just getting started — since that British post-discovery priority-claim ***actually went on to become accepted astronomical history for over a century and a half***.

**L8** The Cantab mathematical genius John Couch Adams, a few years younger than Leverrier, had taken up the runaway-Uranus mystery earlier than he. By 1845 Autumn he decided to show his progress to Astronomer Royal George Airy, allegedly leaving a written

prediction at the Royal Greenwich Observatory in October. But his math was based on assuming that Uranus's mean distance from the Sun was exactly half the perturber's, so he knew he must recompute the problem using a slightly different ratio. (He chose 0.515.) Adams finished the work in 1846 late Summer and — hearing of Leverrier's 1846/8/31 announcement — swiftly sent Airy a final 1846/9/2 version of his prediction, based on a linear extrapolation from his two solutions. But when Berlin captured the planet 3 weeks later, it was seen that Adams' 2-days-late prediction was off by 12° while Leverrier had hit within 1°. So how does Britain generate a priority out of *that* finale? Yet it did, and references to the "Adams-Leverrier" discovery of Neptune were common for the next 150<sup>y</sup>.

**L9** Brits argued: the 1845 solution (being earlier than Leverrier's) proved priority. Yet Adams hadn't then finished his work: [www.dioi.org/j911.pdf](http://www.dioi.org/j911.pdf) fn 20. *Who wins a race? He who starts 1<sup>st</sup>? Or he who finishes 1<sup>st</sup>?* An ephemeris Adams sent Cambridge Obs. in 1846 Summer to guide its search was based on a **CIRCULAR ORBIT** (*Scientific American* 291.6:92-99 2004 p.98), though the 1845 orbit ***was elliptical***: so Adams ***had privately lost trust*** in the orbit still (§L14) *to-this-day* publicly mis-added to prove Brit precision (thus priority), because Adams ***kept the circular orbit secret***. And so it stayed — for over 140<sup>y</sup>.

**L10** As excuse for his solution's tardiness, Adams told friends Airy had snubbed him. So Airy privately wrote to fellow Cantab Adam Sedgwick 1846/12/8 an enraged letter (recovery of whose devastating center we owe to Nick Kollerstrom), scoffing at Adams' alibi, pointing out that it was up to Adams not Airy to publish his work. Airy spoofed Adams' presumption: "Every Cambridge man is a Baby, and cannot walk out except he has a Nurse to trot him out." But the letter was hidden for over 150<sup>y</sup>! — until 1999.

**L11** Consistent with such secrecy is Brits' 1846 plot to make Neptune a Brit discovery. Some still doubt Brits conspired, so we here list copious evidence they did: Adams could've published his math (his 1846/4/8 R.A.S. talk: nonNeptune) but kept it secret. When Airy wrote Leverrier in June, he didn't even mention Adams' work ([www.dioi.org/j911.pdf](http://www.dioi.org/j911.pdf) §11). Celestial mechanics expert P.A. Hansen visited for weeks in Airy's home that Summer, yet Airy didn't tell him either. Airy&Hansen out-walking on 1846/7/2 met Adams & chatted: not re Neptune though Airy had just launched a vast, secret telescopic search for it by CambrObs Dir. James Challis, & Adams' work used Hansen's math, his name explicitly in Adams' mss. After news of Neptune's Berlin capture, Adams oddly ([www.dioi.org/j239.pdf](http://www.dioi.org/j239.pdf) §E3) ***took 45<sup>d</sup> to publish his predicted Neptune elements*** vs 3<sup>d</sup> to publish its real elements!

**L12** The fact that Adams (by his own secrecy) ***had no part whatever*** in Neptune's Berlin capture prompted DIO to ask in 2005: if Adams discovered Neptune *on what day did he?* No such date could be specified. Even the date of his leaving the 1845 Oct solution at RGO is unsure, since he was less lodging an immortal prediction (nothing in his diary) than seeking advice from Airy, one of the few UK astronomers with expertise re perturbations.

**L13** Yet facts were of light weight. What mattered was Britain's greater political power, which — aided by deliberately hiding the RGO Neptune File for 1 1/2 centuries — enabled Britain to essentially steal a planet from France. But the 1999 recovery of the File and *Scientific American's* 2004 December article (§L9) on the theft finally ended the long injustice to Leverrier — and the controversy has now ended in his well-earned favor.

**L14** So this is a case in which the credit to Leverrier started out unambiguous but was Subtracted by politics&secrecy. Yet it has finally been Added-back, and the Neptune Controversy is seemingly ended for good & for the good of historical truth. Though, given this [2021] DIO issue's theme, one questions whether even the plainest truths are ever safe. [On cue: *Astronomy* 2022Feb pp.29-30 ignores Adams' 12° miss (§L8) & British conspiring (§L11) to push the old establishment tale, 2 equally honest&nearhit predictors: ***Adams 1<sup>st</sup>***.]

**L15** [Full specifics of the Neptune-Discovery saga can be read in detail thanks to the researches of Nick Kollerstrom, whose analyses, plus collection of all related correspondence are available exclusively at the DIO website via [www.dioi.org/kn.htm](http://www.dioi.org/kn.htm). The entire Neptune-Discovery history is the subject of [www.dioi.org/j911.pdf](http://www.dioi.org/j911.pdf) = DIO 9.1 ‡1 the 1<sup>st</sup> investigation of the case based upon the then-newly recovered RGO Neptune File.]

## M Doubt=Sin: Pole Fakes' Science-Establishment-Church Sanctuary

**M1** In recent years, polar science has become sophisticated and productive. It warns us re global warming, and Greenland ice-cores trace the atmosphere's past for centuries back.

**M2** But polar-exploring *history* is another matter. False claims by explorers have been hidden to a degree which constitutes an ongoing serial disgrace to the responsible societies. As shown by [1] that blot, [2] Ptolemy-promos, & [3] the Neptune coverup: **science-societydom preaches integrity, but practices as it pleases** (§H). The exaggerations&fantasies of Elisha Kent Kane & Isaac Israel Hayes in 1855 and 1861, respectively — e.g., an utterly mythical Open Polar Sea — were guarded from public exposure by the American Geographical Society, and 32<sup>y</sup> old Kane's secret affair with teen fake spiritualist Maggie Fox even disguised as “philanthropy”, with AGS connivance: [www.dioi.org/jso1.pdf](http://www.dioi.org/jso1.pdf) §L1.

**M3** Fake polar claims accelerated around the turn of the century with the exaggerated Farthest Norths of Umberto Cagni and Robert Peary, followed by fraudulent North Pole Discoveries by recent Explorers Club Pres. Frederick Cook in 1908, recent AmerGeogrSoc Pres. Peary in 1909, and (DR's cousin) Richard Byrd in 1926. The public learned little of this until 1909 when Cook claimed he'd been to the North Pole a year ahead of Peary, so the pseudo-forestalled Peary was unavoidably forced to expose Cook, setting off general awareness of fake exploring and initiating a still-famous newspaper war between the pro-Cook *New York Herald* and the pro-Peary *New York Times*, which began the decline of the former and the ascendancy of the latter, when it became obvious that Cook was never in his life within 500 nautical miles of the Pole, while Peary had at least tried his best.

**M4** Scientific establishments did what they could — not to enlighten the public, but to keep unapproved truths from escaping to general perception. E.g., with the approval of Ira Remsen, National Academy of Sciences President and Johns Hopkins University President, the Peary-backing&funding National Geographic Society certified his North Pole fraud automatically. *Scientific American* flayed congressmen for even questioning its verdict.

**M5** When in 1926 Amundsen said only data-records would prove Peary's alleged achievement, NGS & *NYTimes* destroyed his sole income (lectures [*later same for Watson*: §O8]) & exiled him from the scientific community. (Which is supposed to operate by **evidence**, just what Amundsen had naïvely requested.) Instantly, corporate US raised big money ([www.dioi.org/jo00.pdf](http://www.dioi.org/jo00.pdf) §B17) to back an attempt by Byrd to beat Amundsen's projected expedition to the N.Pole to protect US' too-suspect claim to same (Peary 1909). Byrd then cheated Amundsen of priority at the Pole, pretending he'd reached it May 9 by a 15<sup>h</sup> 1/2 round-trip flight from Spitzbergen, while the Amundsen-Ellsworth-Nobile Expedition genuinely attained it 3<sup>d</sup> later *en route* to the 1<sup>st</sup> crossing of the Arctic Ocean, Spitzbergen to Alaska. NGS produced a laughably fishy ([www.dioi.org/ja00.pdf](http://www.dioi.org/ja00.pdf) §M) rubberstamp, certifying Byrd, who — after removing all raw data from the report he had submitted to NGS — sent the remainder to Isaiah Bowman, head of AGS, requesting the data's sequestration. (Byrd used his fame to exclude record-skiing rival explorer Finn Rønne from Antarctica.)

**M6** By now the public knew fraud was occasionally being perpetrated; yet Subtractive decline followed temporary enlightenment. For decades after, the most successful science fake of the 20<sup>th</sup> century, Peary's, was universally accepted in the US, even though neither AGS nor any society in Scandinavia, home of the best polar explorers, had bemedalled it.

**M7** AGS' omission triggered Peary's daughter Marie to start a private connexion with AGS chief Bowman, who while incoming Johns Hopkins Pres in 1935 examined Peary's records & then guarded them for decades from anyone else's sight, while privately learning ([www.dioi.org/jo00.pdf](http://www.dioi.org/jo00.pdf) §V9) from experts that they'd never pass a scientific examination. Bowman killed *by threat* a book skeptical of Peary's hoax planned by Yale Press and joined Marie in **CELEBRATING** the author's death: *ibid* §§K5&O4-O5. All kept from the public.

**M8** In 1996 *DIO* showed [§M5] the Byrd diary's 1926/5/9 data clashed with his official reports'. Since there was then a serious Science Press (e.g., Nick Wade, John Wilford, John Tierney), the *N.Y.Times* on 1996/5/9 pageone-withdrew its former support of Byrd's claim:

<http://www.nytimes.com/1996/05/09/did-byrd-reach-pole-his-diary-hints-no.html>.

On 1998/9/8 *N.Y.Times*' Science Dep't retracted its former endorsement of Peary's hoax, concluding that Roald Amundsen discovered EACH Pole, North&South:

<http://tierneylab.blogs.nytimes.com/2009/09/07/who-was-first-at-the-north-pole/>

**M9** By rare good luck, Bowman's secret files survived. *DIO* on 2019/11/6 mailed out the whole story: [www.dioi.org/jo00.pdf](http://www.dioi.org/jo00.pdf) = *DIO* 24. Very next *National Geographic History* (2020 Jan-Feb p.87) admitted: Peary missed the Pole. So we seem to be on the upswing re facing polar failures. But today's compliant “Science Press” won't report on Bowman's sly betrayals (§M7) of science's integrity. So: it's hard to predict if the upswing will continue. *NGH didn't even mention* the unique explorer National Geographic banished (§M5) 95<sup>y</sup> ago: **ROALD AMUNDSEN**, nor his *ever-unique* double priority: **1<sup>st</sup> man to the South Pole & 1<sup>st</sup> man to the North Pole. Will the centenary be honored on 2026/5/12?**

## N Darwinism Vs William Jennings Bryan's Ghost

**N1** Primitivity of science&freethought as late as mid-19<sup>th</sup> century can be surprising. E.g., a top U.K. mathematician, G.Peacock, believed opening veins & soaking in baths could improve health. At century-end, doubt remained (e.g., Rob't Ball & Fridtjof Nansen) whether meteors were celestial. University-forced fealty to C.ofE.'s 39 Articles so enraged H.G.Wells re religion, that decades later (WW2, 1944) he actually issued *Crux Ansata: Why Should We Not Bomb Rome?* South Pole silver medalist Rob't Scott died of scurvy in 1912 since he knew Subtractively less about it than Capt. Cook had, 1 1/3 centuries earlier.

**N2** It was into this context that Charles Darwin in 1859 announced the idea that man was not divinely created but an accidental product of natural processes. Clergymen were appalled at a theory rendering god biologically unnecessary, as Laplace had already made god an astronomical non-necessity (§L1). The Rev. Wilberforce and Harvard prof Louis Agassiz made anti-Darwinism a mission while on the other side Thomas Huxley became “Darwin's Bulldog” in defense. Sir John Herschel, son of Uranus' discoverer,<sup>13</sup> disagreed with Natural Selection, calling it “the law of higgledy piggledy” — but he contributed to lowering the controversy's vitriol by prominently opposing attempts at debate-suppression.

**N3** As evidence and scientists in favor of Darwin accumulated, churches that had declared Darwinism utterly incompatible with Scripture (which it is) convinced themselves that there was no conflict after all, now declaring that (as all college presidents agree) science&religion don't conflict, & Evolution is a more advanced&lovely expression of god than the old religion. (Theologians' tricky dance: *DIO* 18 = [www.dioi.org/ji00.pdf](http://www.dioi.org/ji00.pdf) fn 60.) I.e., god overseeing a nature where animals painfully<sup>14</sup> kill each other daily is: Advanced.

**N4** Such conversions measure the acceptance Darwinism achieved in a few decades, such that when Tennessee outlawed Darwin (as PC has done today: §O8), leading to the duel of William Jennings Bryan & Clarence Darrow at the 1925 Scopes Trial, Bryan ended up regarded as a buffoon by the US establishment. It was an era of mostly calm religion in the US anyway, when the majority of Presidents were Episcopalian or something like.

**N5** So how did we get to a state where a century later most of the US rejects Darwin? Is there a connexion with the collapse of job security caused by, e.g., massive illegal immigration (of ill-educated persons) & similarly improvident policies? Whatever the cause, USers have been drawn to fundie religions of the desperately dumb. So we find 2 Subtractions from intelligent culture occurring simultaneously and connectedly: biology and religion. And there's no relief in sight. The ghost of William Jennings Bryan yet haunts the land.

<sup>13</sup>W.Herschel discovered Umbriel 1801/4/17; Subtracted 1851-1981: [www.dioi.org/cot.htm#hwdu](http://www.dioi.org/cot.htm#hwdu).

<sup>14</sup>*DIO* 4.3 †15 = [www.dioi.org/j43f.pdf](http://www.dioi.org/j43f.pdf) fn 42: Theologian-apologist “C.S.Lewis *The Problem of Pain* 1940 Chap.9 (‘Animal Pain’) attempts to slither out of one of the several fatal internal contradictions [e.g., [www.dioi.org/jw01.pdf](http://www.dioi.org/jw01.pdf) §§C1&C16&G59] of Christianity: why god visits pain upon animals who have no souls (to purify by deserved adversity) and who do not share Original Sin. Thus hideously cornered, Lewis actually suggests that animal pain might be merely an illusion! (This is where one ends up if one thinks about it. Less scrupulous religionists' usual solution: don't think about it.)”

## O AntiRacism&Poverty, VoteSlavers, MansonMedia, Cure-Prejudice

**O1** Final example of civilization's decline: most crucial, most obvious, *most discussed even while* (§O8) **THE most undebated**, since totalitarianly-engendered FEAR has made it public discourse's 3<sup>rd</sup> rail: *RACE*. That *fear* has been costly to Free Speech. Also to funders who've for years spent **BILLIONS instilling it**, by onesided "news" & films, where all races are equal but some are more equal than others: *DIO 4.2* †9 = [www.dioi.org/j429.pdf](http://www.dioi.org/j429.pdf) §J. **The "Free Press" is now Free Speech's #1 enemy**, teaching what words are&aren't Permitted, while cinema crudely even violently shows how<sup>15</sup> to silence the disobedient&defiant.

**O2** Individuals differ. Genders differ. Races differ. Until a few decades ago, this was routine knowledge, so denial of the truth is a serious loss of wisdom. The US' Founding Fathers, products of The Enlightenment, had no doubt of it,<sup>16</sup> and the nation is yet guided by their intellect. Were they fools to believe<sup>17</sup> in differences? Or are we for rejecting them?

**O3** Despite establishments' tyrannical, **utterly illiberal** "Liberal" anti-dissent "Progressive" campaign by a media&internet where Error-Has-No-Rights — *as in the 4<sup>th</sup> Century* (§G2) — the truth is too self-evident to require wasting space here even arguing the point. Simplest proof of race-inequality is the ferocity of the idea's suppression: if equality were true why would it need decades of leakproof lethal legal protection & one-sided promotion?

**O4** When people are forced to assent to untruth, most suspect the reality, as they wonder if god's invisibility hints there's no such thing. The anti-racist crusade can't convince, so resorts to jobloss threat ([www.dioi.org/rel.htm#fgr](http://www.dioi.org/rel.htm#fgr)), cowering all to create an Emperor's-New-Clothes mass-pretense to accepting the incredible, never speaking truth since the Mob-friendly (§§O10&O17) media Orwellianly slanders it as "hate-speech". Results of our deceptions are now all about us: societal integrity degrades, lawlessness reigns from academe's heights ([www.dioi.org/jw11.pdf](http://www.dioi.org/jw11.pdf) §§G4-G5) to mugger-ridden streets' depths.

**O5** We're all racists. You love your close relatives more than others? You're a racist. So? It only matters if racism causes discord any more than patriotism or religion or SunSigns do. Unless races are led to blame each other for woes there's no cause for racial dislike. But by (fn 15) **allday-pandering-fanning** ghetto paranoia (copying UK's old policy of aiding weaker nations to unbalance the Continent) "our" rich-owned media create a flaming, threat-screaming, shootin'-lootin' street-**RACE-WAR**, granting **MANSON** his dream. Thanks.

**O6** Qualities differ from race to race: hair, skin, shape, immunities. But orthodox decrees **one** exception: the **BRAIN** is *the universe's only organ* without racial differences.<sup>18</sup>

**O7** After years of establishments insisting on such lunacy, a scientifically advanced society has been remolded into science **deniers** re biology, gender-differences, and genetics. Nobelist Wm. Shockley wisely discerned an ominous parallel to failed Soviet Lysenkoism. If race inequities are nurture-caused, cures like quotas must work. The catch is: they don't. Such ploys favor 1 side since, after nought else works, cheating seems the only way to reify equity-outcome. Despite years of insult-mutings, quotas, Progressive laws: schools' mass SAT scores have — like cities' murder rates — retained persistent **ENORMOUS** racial gaps.

**O8** As ghettos grow to politically capture one US city after another, those unexceptionally "**PRO**gressive"<sup>19</sup> (§O18) cities just-as-unexceptionally **RE**gress & become less livable.

<sup>15</sup> Sample of films demonstrating lethal punishment for Wrong Words: [www.dioi.org/pro.htm#zkfs](http://www.dioi.org/pro.htm#zkfs). Media-balance: focus-masticate on ordmag 1% of ghetto killings by cops-of-hated-hue, ignore the rest. Annual ghetto stats: ordmag 10000 killed, 200 by nonlooting cops riding herd on high-theft criminals. Even wildly assuming unjust copkillings are 5% of the 200, *that's only 1/1000<sup>th</sup> of the 10000 dead*.

<sup>16</sup> Slavers led US' **sacred rebellion** vs anti-slave England, as slavers led Dixie's **profane rebellion** vs anti-slave North. Slavers wrote the Constitution, Bill of Rights, & Declaration of Independence, asserting "all men are created equal", while slave-profiting from knowing otherwise. (*DIO* insists on **racial equality under the law**: [www.dioi.org/jp00.pdf](http://www.dioi.org/jp00.pdf), "Belated Decline of Slavery & Other Tortures.")

<sup>17</sup> Misgaugings of, e.g., E.Indian&Jewish intellect by "Experts"&rulers were case studies in fallibility.

<sup>18</sup> DR is DISGRACEFULLY inept at foreign tongues; Europe's non-university waitresses oft speak 3. Yet, rather than get jealous, DR faces that he is just missing 1/2 a brain & tries get by with what's left.

<sup>19</sup> Meaning of 100<sup>0</sup>-old word "Progressive" has evolved, from advancing the poor, to advancing races.

**Have any ever recovered?** Why not? "Systemic racism"? Obsolete. No, it's Darwinism: the races evolved for **10000s of years** in different conditions, so resultant abilities differ; thus no quick fixes like those **failing annually** ([www.dioi.org/jg04.pdf](http://www.dioi.org/jg04.pdf) fn 28) can close gaps (*absent* [www.dioi.org/jw01.pdf](http://www.dioi.org/jw01.pdf) §§I31&I210) by mere **decades** of work, as genius Nobelists J.Watson (DNA co-discoverer) and Wm.Shockley (transistor co-inventor) warn. Neither debated but **academe**-exiled to instil wide fear of **grantless-career-end**. (Hmm: *who funds academe?*) Both exiled for hatespeech, but who seriously thinks they warned out of *hatred*? Why not out of **courageously omertà-defying sympathy for those tortured by poverty**? Or: fear that mob-terrified pols barring Darwinism is (§N4) **a Scopes Trial resurrection**? Crucial-test an ideology: ask *which is his top priority, ending racism? or ending poverty?* To [a] find out which & [b] so unmask the true race-bigots, just ask: **if there's a way to end poverty, but a side effect is lowering your fave race's numbers — would you effect it?**

**O9** The cheap-labor-über-alles capitalists funding anti-racism aim at crippling independents&unions ([www.dioi.org/j112.pdf](http://www.dioi.org/j112.pdf) §G3) & balkanizing the REAL quarry: the remaining middle-class (& its remaining miniwealth). Anti-racist field-soldiers are self-sacrificing Albert Schweitzers, aiming at good; yet such gainless (§O7) waste of **so MUCH** idealism can't nourish humanity (*but could cynicize it*), nor can blindness to the real-world result.

**O10** That result? A NEW SLAVERY: cities collapsing into Mob paradises: crime&drug-infested nexi of declining safety, literacy, life-expectancy, wealth, trustworthiness. The very people, who are supposed to be saved by the anti-racist program, speak out — cry out — re their inescapable debt-burdened poverty&despair. As it keeps getting worse, gov't doctors (whose power depends on **VOTES of many kept slavishly dependent** on gov't fiscal aid) naturally prescribe: **more-of-same**. The very definition-of-insanity.<sup>20</sup> Come to horrid life.

**O11** And death: Dem-run for 70<sup>y</sup> Baltimore (*DIO's* home) went from #1 teen pregnancy city inevitably to #1 murder city. (DR keeps asking Dembo pols: did you plan it this way?) Simplest fix crude but race-neutral & happier for all races: *no<sup>21</sup> kids for those who can't afford them*, welfareless China's way. US media scorn it, ignoring the benign purpose. So which nation's advancing? Which suiciding? **Which incredulously giggling the while?**

**O12** N.Europe isn't poverty&god&crime-ridden. Copenhagen&Vienna don't accept it as OK that mugger-ubiquity means one can't enjoy & *improve health* from evening strolls. Why? Clues: how do N.Europe nations' demography & wealth-gaps differ from the US'?

**O13** Will US race-integration ever work, as we all hoped? Don't know. Never been tried. Instead it's always been **court-ordered** integration, **ultimately backed by guns**, allegedly for the public's own good, since it was presumed that nothing else would work. And, then, when even forced integration didn't develop as peaceably (§O10) or progressively (§O7) as Experts predicted, objectors are *forced* to shut up. **NB:** such bet-redoubling is **force-squared**.

**O14** Observe the royal **SURETY** of those so doctoring US society's ills, archons who have no Plan-B, being (*DIO 1.1* †1 fn 1) truth-possessors not truth-seekers. As *DIO 4.2* †9 = [www.dioi.org/j429.pdf](http://www.dioi.org/j429.pdf) §R10 & fnn 43-44 noted 1/4 CENTURY ago (while even looking back 30<sup>y</sup> further): "Should a society continue on a prejudiced (prejudged) path which *rigidly* assumes<sup>22</sup> [racial equality] (and attempts to destroy those who disagree: [§O4])? . . . question that should have been carefully thought out 30<sup>y</sup> ago: What if the idealists are wrong about their policies' implicit assumption of precise mean racial equality? — if so,

<sup>20</sup>**NB:** Policies clearly insane for "beneficiaries" are ever quite sane for the pol-ruler-"benefactors".

<sup>21</sup>*DIO 4.2* †9 §R4: "In response to [*DIO's*] promotion of drastic cuts in poverty-area birthrates, some readers said that this would require a police state, to enforce . . . guidelines." *DIO* reply (*idem*): "[i] Where does it say in the Constitution (or the Bible) that citizens can have as many children as they want, regardless of their ability to support them? This [has] no justification in logic or . . . results. [ii] Evidently, critics of radical demography do not regard the current situation as a police state: middle class citizens being **forced** — at the point of a taxcollector gun — to support [others'] children, and . . . (at same gunpoint) . . . the drug cartel that lives like a mold, off the resulting social-death Hades."

<sup>22</sup> *Idem*: "question here isn't whether races' mean IQs are equal, but rather: why found decades of divisive public policy upon . . . [unconfirmed certainty] they are equal?" (Parallel: *DIO 2.1* †1 fn 19.)

then where are these policies going to take us? Perhaps the at-the-time-unsuspected correct answer to this question was: said policies will take us precisely where we now are in 1994 — pointless<sup>23</sup> mass-poverty cycles of perpetual frustration&failure in US inner cities.”

**O15** Question: What road-to-Damascus moment caused the dynamic transformation of the US from a naturally racist nation into one dedicated to ending all race discrimination? Theory: when postWW2 US became acquisitive world-imperialist, wooing swarthy Arabs as oilrape-enablers was hobbled by dark ghettos' visible hyperpoverty. So, to aid extracting raw materials&profits abroad, the US at home endured decades of a tyrannical but genuine program of integration&antiracism. (Without pre-testing viability, e.g., in a sample state.) Those who rightly damn US slave past should for balance admit: since then no nation's ever tried *for the better part of a century* so earnestly if fruitlessly to expunge racism.

**O16** Inequality of races, genders, and ages shouldn't grind down a free society (e.g., Denmark, Austria), given the huge overlap of bell-curves<sup>24</sup> & mingling's extent.<sup>25</sup> Whatever problems persist for **masses'** medians, **a fair person will not apply those to individuals.**<sup>26</sup> As *DIO* 4.2 ‡9 = [www.dioi.org/j429.pdf](http://www.dioi.org/j429.pdf) fn 42 asked in 1994: “why would anyone be proud of white skin? . . . Race-pride is as ridiculous and sometimes as dangerous as any other group-pride. . . . Historically, only nationalism has proven more lethal.”

**O17** Will anti-racism's **totalitarian** “Noble Experiment” out-succeed the earlier one, **Prohibition**? Main similarity: each Experiment has benefitted the Mob<sup>27</sup> more than anyone else. Main difference: the 1<sup>st</sup> lasted 14<sup>y</sup> ere failure was so plain it was ended; but after decades of vain tries (§08) to defeat Darwinism by fiat (even while justly scorning [the other] fundies' stonewalling of Darwin's truth), none but a huge part of the public will admit defeat. Yet “antifascists” rebound ever more fascistically, demanding ever-zanier anti-freedoms (even [Orwell-blindly]<sup>28</sup> ordering compliant language) as if **this** latest is THE key that'll at-last switch into mass-success peoples that've never seriously (fn 12) mass-succeeded in any society, **regardless of whether that society ever had a slave history.**

**O18** As such pseudo-cures flourish, the program's **real** intent, **MASS CHEAP LABOR** (*US wealth-path from slavery on*), reaps hitherto-unheard-of profits for the narrowly ever-fewer Few. And, as the US' fraction of easy-prey citizens expands unstopperably, an oldie is verified: the rich get richer and the poor get children. If the US doesn't wake to **POINT-OF-NO-RETURN PERIL**, in **subsidizing growth of its least provident element** (§010), growing its mobrun-media-inflamed electoral-impact, we'll keep plunging “ahead” to the crudest, craziest, & cruelest Subtraction ever, from the sum of human knowledge.

<sup>23</sup>“If the intent [of affirmative-action] is to stamp out poverty, that can be far more painlessly accomplished in the race-blind manner cited at [§011]. Why instead decree that a laborious, tedious, expensive, race-preferential, divisive, so-far-ineffectual, & still-unproven mass-rehab social-experiment is the sole permissible option? . . . why insist on fighting poverty *strictly the hard way*? [so] risking possibly carrying on forever a hopeless, pointless, counter-natural-selection fight against genetic limits? . . . Environmentalists . . . object to keeping dolphins in tanks . . . [yet longtime-slavers now subsidizing ghettos to buy votes] is just as artificial-unnatural.” & **exempts one race (only) of blame for ANYthing.**

<sup>24</sup>Like Creationists ([www.dioi.org/jm03.pdf](http://www.dioi.org/jm03.pdf) §C5), Libs use flukes to pseudo-refute means; a lone success is The Future: she/he shows what can, should, will happen if Lib cures continue. Which confuses bellcurve-upper-end with The Future. (As if Einstein's birth proves all future Jews will be Einsteins!) Left lately warned not to pack Supreme Court or Electoral College, since, WHEN power ends, gains will be flipped. As vain as warning China. Both alter gov't to ensure: no more WHENs.

<sup>25</sup>*DIO's* publisher has black & American Indian ancestors, including direct lineage from Pocahontas.

<sup>26</sup>DR's sole fiscal advisor = black fem; cardiologist named Mohammed; *DIO 17* by Brazil physicist.

<sup>27</sup>When was the last Senate hearing on the Mob? As “democratic” US' **MAJORITY**-race shrinks, all power-establishments (don't say genocide but) **keep slandering that race as vile**. So: **is the US running the US?** If not, **who is?** *DIO* 4.2 (‡9 = [www.dioi.org/j429.pdf](http://www.dioi.org/j429.pdf) §R4) noted **27<sup>y</sup> ago**: forced anti-racism has cursed “every major US city with sprawling, degraded slums . . .” *Ibid* §R5: “ultimate beneficiary of both [Noble] Experiments has been organized crime. Governmental and otherwise.”

<sup>28</sup>Failing students=“failing schools”; Trump:“nobody's above the law” vs aliens:“nobody's illegal”; a few bad cops =“police brutality”; ghetto brutality =“street crime” (it's the asphalt that shoots people).

# DIO

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