Journal Reference: Vol v, paper 2 of Version 1.94, 13 July 06 edition of CD ebook ISBN 0-646-40916-6 at www.nodrift.com since 21 Dec 04.
Comments: Foreword, Acknowledgements, Overview

FOREWORD

Much detail of this ebook's prediction-verifications has either been left undone or done coarsely for others to work on with greater precision, for economic and other reasons.

I have been an unfunded "one-man-band", so have had to concentrate on always doing most important things only, leaving much other work undone.

This work became a proto-ebook half-way through thesis development, 1997-2004, following Review of the proto-thesis, 2000.

Online Internet publication, 21 Dec 2004, became my only option after 2004 February, March seminars produced very little feedback . . .

The March 2004 seminar showed all but the two green flare images (Slides 41-2 of w.1a.pps) of w.1 PowerPoint Slide Shows. 18 Continental Drift Contradictions were listed in its handouts.

Online Internet publication, 21 Dec 2004, started an important interaction with the public, which has reminded me of more youthful days, helping my daughters sell their arty jewellery at our weekend Market stall.

I had noticed an interesting form and progression of customer behaviours at this stall. This prepared me for analysis of the similar behaviours revealed by the usage Statistics of my Internet site.

This and other marketing activities, Group postings, group interactions and so on, improved the ebook in roundabout ways, via reflection and so on.

The ebook thus progressed through two phases: A reclusive phase followed by an online Internet marketing phase, which have seemed to work well . . .

The reclusive phase was like foetal growth, flower bud development, the slip phase of ship manufacture, when public interaction would have done more harm than good . . .

The Internet phase has been like infant growth, flowerings of flowers, the post-launch phase of ship manufacture, when exposed products respond to challenges, acquire superstructures and so on . . .

ACKNOWLEDGEMENTS

Thanks to the kindness and generosity of my wife Helina and daughters Erica and Sylvia.

Special thanks to Sylvia for our co-discovery of my first symmetry, the **Macro-Symmetry between East Asia and South Asia**. Thanks to all my teachers for an excellent Maths, Physics education.

I was privileged to have gotten my first two jobs where refectory tables were graced by great minds, Hannes Alven and others: Stockholm Institute of Technology, IBM Nordic and San Jose Laboratories.

Dr Graham Harris' voluble Catastrophism, extreme forms are produced by extreme events and so on, heard in the CSIRO Marine Research refectory in Hobart, 1984, helped towards my protothesis.

My exposures to Professors H. A. Buchdahl, G. R. A. Ellis, S. W. Carey, J. B. Polya, E. J. Pitman at the University of Tasmania in the early 1960s were similarly uplifting.

Thanks to IBM for 3 years experience of proto-Silicon Valley culture, 1968-71, especially the business multi-culture of its San Jose laboratory subcontractors.

Thanks to Google, for its most powerful Search Engine and discussion Groups, key enablers of Online Internet propagation of this ebook, ahead of CD propagation.

Special thanks to Geology Professor Sam Carey for making it so clear to all, not least to my cohort, that scientists were important public figures . . . however unbelievable some of their ideas . . .

Geoffrey Kohl, a brilliant mathematician way ahead of all others of my 1960 Freshmen cohort, was another whose enthusiasm for Geology was infectious.

Geoff and I discussed seafloor spread outside our maths classes, never mathematics. Sam acknowledged the pre-eminence of Physics in the Physical Sciences, including Geology . . . .

Geoff's maths pre-eminence and enthusiasm for Geology, Sam's science professorial pre-eminence endorsed the geologist in my mental corporation, lifelong reflections upon Geological problems.

My heroic impression of Sam Carey was never spoiled by any pursuit of formal geology studies . . . unlike original impressions of my Physics, Mathematics professors.

A childhood idea that the Earth's rough polar congruencies were unlikely to be a random coincidence, implicitly a contradiction of Continental Drift, thus became this ebook's ultimate inspiration.

Thanks to Dr J. S. Reid, whose Wave Rider Buoy system I helped develop, 1987. My conversations with John about wave coarsening and "driving functions" led to a key personal understanding:

Wave coarsening was both important AND poorly understood, and explanations (like John's), "thickets" of nonlinear wave mathematical physics were not the whole story.

So much prestige attaches to higher mathematics, since it "helped win the war", produced String Theory and so on, that solutions are too often sought in its "thickets" alone . . .

I got much help from Benoit Mandelbrot's writings about the importance of pictures, looking at pictures many times and so on, which I agreed with. I have an unusually good eye for form.

Very much like Mandelbrot (2004) and those who had influenced him, ". . . "fate" . . . first chose me to reinvent the role of the eye in a field . . . where it had become anathema . . ."

Mandelbrot acknowledges Wegener's observation that South America seems to have once fitted into Africa as a key influence in his thinking . . .

I am thankful to Mandelbrot for being a buffer between me and Wegener. What better buffer between our contradictory idea-perceptions than Mandelbrot's idea-perceptions.

This connection via Mandelbrot is of course ironical, Wegener's idea-perception being the start of Continental Drift, which my idea-perception contradicts.

Mandelbrot and I share a key common, strong influence also: An admiration of the Japanese (and Japanism's) painter Hokusai. Hokusai's "100 Views of Mount Fuji" emphasise fractal forms.

Forms and structures, most importantly extreme forms and structures produced by extreme events, are generally under-perceived, not thought about enough, not looked for enough . . .

Explanation of rogue waves for example is being sought in Chaos Theory. I predict a causal correlation between rogue wave observations and ocean eddies, w.3.

My experience as a physicist-artist primed me for seeing 100s of structures, Feb 1997, vague, noisy circular forms, in a satellite photo of Tasmania.

This perception, together with prior understanding of wave coarsening and ideas about ocean-continent rhythmicity led to my proto-thesis, ultimately this ebook.

Thanks therefore to the artistic influence of my Ch'an painter sister Melba. Thanks to Lutz Presser for, as Dean at the time, getting me in to Art School.

Thanks to Jill Freeman of the Freeman Gallery for my 1st exhibition, the Schoolhouse Gallery for my 2nd exhibition, the Turner Gallery for my 3rd exhibition.

Thanks to geologist Ron Bugg, the Geology Master who put that photo display on the wall outside the Geology Laboratory of the Hobart Matriculation College, where I had gone to study Japanese language.

I perceived the noisy, vague, circular forms as too circular to be anything but shock wave fringe manifestations. My childhood polar paradox had, in the meantime, broadened into the idea that the Earth's rhythmic ocean-continent configuration was unlikely to be a random coincidence.

The circular forms must have been generated by a huge or super huge impact, as fracture-melt-freeze effect-ed interference pattern fringe inscriptions (earthquakes).

This became a "serm" interpretation, 4.5-11, when I perceived that the largest circles, and fluid-equivalent "erms", were ½ ratio diameter dimensionally clustered.

Thanks to John Reid for getting me to Antarctica with Australian National Antarctic Research Expeditions (ANARE), where another key discovery in the evolution of the proto-thesis was made, y.02.

Thanks to Dr Peter Hay of the University of Tasmania, Jim Penman (of Jim's Mowing) for teaching me the importance of Political Science, Diplomacy.

Thanks to Sociology Professor Adrian Franklin of the University of Tasmania for a wide-ranging conversation, 21 Mar 06 which spurred my important 23 Mar 06, Version 1.83 revision of 5.1.

Thanks to the American people for the JPL Internet website facility, Vol 2. Thanks to publisher David Hammond for reviewing the proto-thesis (Vols 3-5), with a view to publication, 2000.

Thanks to Associate Professor Clive Burrett, University of Tasmania, for a frank exchange on my proto-thesis (4.2-27, early-2000)'s "Arctic Ocean Deep Impact (AODI) cavity" and Catastrophism.

Thanks to Paul Winter for introducing me to Graphics Design, CD burners. Thanks to Dr. John Greenhill for introducing me to ArXiv.com. For advice re publication, thanks to:

Physics/Maths Professors Peter McCulloch, Larry Forbes, David Elliott and Robert Delbourgo, Associate Geology Professors Tony Crawford and Pat Quilty, Aaron and Erica Oakley.

Special thanks to Erica, for urging me to use full colour images. Pat Quilty became the first geologist to ask me to explain my proto-thesis' key, serm idea, 2000.

Tony and Patrick were generous with their time and, most importantly: were sufficiently tolerant of my dissidence to facilitate two seminars, 9 Feb 2004, 22 Mar 2004.

Thanks to Professor Delbourgo for advising me to make my thesis entirely digital. Thanks to David Warren, the first person to urge me to publish on the Internet.

Thanks to Louise M. Prockter of the Applied Physics Laboratory, John Hopkins University, Mass. USA, for explaining to me how to access space probe photos on the JPL website, Feb 2002. Thanks JPL!

Thanks to University of Western Australia Department of Geology Senior Lecturers Dr. Charter Mathison and Dr. Laura Keep for frank exchanges of views, good advice, Aug 2002.

Charter drew my attention to letters in The Australian Geologist (TAG) No 122 (31 Mar 2002) indicating that many Australian geologists shared my disbelief in Continental Drift.

This understanding that my work would have an immediate Australian audience triggered my interest in finding out where the next Australian Geological Convention of the gsa would be held. This turned out to be Hobart!

I am especially grateful to Monash University mathematical physicist Andrew Prentice for comprehensively reviewing my early work, 2000, culminating in a helpful, handwritten letter.

Thanks to Professor Peter McCulloch for putting me on to Andrew. I have long been grateful to Peter for remarking, before I went to Europe, 1966, that I should do a PhD . . . .

The "break" that turned my proto-thesis into the beginning of an ebook grew out of a 2-month email exchange with Japanese reviewers:

Island Arc was the only geological journal I could find expressing an interest in anything like "topics. . . fundamental to understanding . . . "

Not surprisingly, its Executive Editor Yoshio Watanabe and Editor-in-Chief Professor Yujiro Ogawa of Tsukuba University became my most important reviewers.

I targeted Island Arc also because of an early fascination with Japan's unusual geo-forms: many hot springs, deepest ocean trenches, fascinating island shapes and so on.

The Japan region had clearly delineated, multiscale Freeze Effect-ed serm morphologies, was in the middle of my key "NW Pacific arc", 3.1, master to other keys: NW Pacific Ghosts, **island symmetries**.

I had reasoned also that Japanese geologists were most likely to be receptive to my proto-thesis, because Uniformitarianism is so un-Japanese in origin. I was right about this also.

I am particularly grateful to Editor-in-Chief Professor Yujiro Ogawa of Tsukuba University for his concluding remark, in a beautiful hand-written letter, that I "had not proved anything".

This struck an important chord, the old problem of scientific proof, Professor Buchdahl's explanation of Logical Positivism in my undergraduate Physics III Theoretical Physics classes, and my new problem of science marketing, particularly of my sort of science, radical and peripheral . . .

Professor Buchdahl had been one of Einstein's assistants, was a fan of Sherlock Holmes. There was the intriguing possibility that this came to him, and from him to me, via Einstein, 5.7?!?! . . .

I learned from Professor Buchdahl how proofs should be embedded within simple, beautiful, logically coherent, Holmesian frameworks.

I recognised from my worldly experience, at IBM and L M Ericsson and so on, that Proof/Disproof has an important "Truth marketing" aspect not given enough attention by contemporary researchers.

I was impressed by the Restraint of Professor Ogawa's letter, how he had presented essentially Negative content entirely without Negative tones. This got me thinking along fruitful lines.

I knew from Karl Popper that the key, most noble feature distinguishing Science from all other cultural pursuits, making it truly progressive, are its disproofs of earlier orthodoxies . . .

I had been going into libraries from the age of 10, largely because the Launceston State Library, where I got sucked into Science by the Scientific American, was adjacent to my High School bus stop . . .

I began thinking about proof-disproof of my thesis, styles of proof and so on . . . . There would be no more of the quiet plateaux that had enabled Review, until 10 volumes of the ebook were finished.

Progress towards comprehensive proof-disproof overwhelmed attempts at earlier release, further seminars and so on. A "Galilean Crisis" was also a delaying factor, 5.5.

The patience, kindness, generosity and so on of Professor Ogawa and the Island Arc Editorial Board had thus been a key trigger, transforming my proto-thesis into an ebook.

Professor Buchdahl's expositions, my childhood "polar paradox", serm/erm perception-intuition and so on were key components of a seed that sparked into life.

I knew that proofs of Pythagorus' Theorem range from analytic equations, which bore many students, to a few movements of Tangram pieces ending with the word: "Behold" . . .

I was familiar with how Galileo's observation of the phases of Venus should have been generally accepted as proof of a Copernician Solar System but was not, the principle impediment being the Church.

Confirmation of Einstein's more public prediction, that eclipsed star light would be bent, was widely accepted, relatively unimpeded . . . I hoped for Einsteinian success, feared a Galilean fate, 5.5.

I had developed my ideas on a shoestring budget. The detailed Physics of my ideas needed to be tackled with greater precision, eventually . . . .

My review-version thesis had emphasised Earth/Mars' rough polar congruencies as antipodal conjugacies, 4.2-3, serms, 4.5-11, Martian extra-polar antipodal resonances . . .

Having long been out of touch with higher mathematics and programming, I decided that I should try to demonstrate, in an old-fashioned way, **an ubiquity of antipodal resonances** within a terrestrial, super huge impact-ed interference pattern inscription, Vols 4, 1, 3.

Expecting to find vague suggestions of an extremely noisy interference pattern, weak signals for younger physicists to aim computers at, I thus stumbled upon this ebook's series of discoveries.

Thanks to Alex Papij and Phil Gourlay for help with computer problems, Byron Drogemuller, Tyke Smythe of Kingston Online Access Centre for help and advice producing my CD ebook, web-site and so on.

Acknowledgements are continued as 4.27 in Vol 4, 5.10 in Vol 5.

OVERVIEW

SUPER HUGE IMPACT

Earth's unusual surface oceans preserve multiscale faultline symmetries and other regularities, consistent with super huge impact shock wave interference pattern fringe "inscription".

These "Freeze"/"Foraze" Effect-ed serm/serbil patterns (explained below) range from a global 8-, 16-fold, $(½)^{3, 4}$ th order, ocean-continent rhythmicity (See Vol 4 Slide Show) to globally ubiquitous, nested, multiscale symmetries.

Spin-axial, polar inscription coarse congruencies of Earth, Mars, Venus are concentric with hemispheric dichotomies.

Consistent with super huge impact tectonogenesis, otherwise inexplicable, this is extremely unlikely to have happened randomly.

Cometary super huge impact, a most likely extreme Solar System planetary event, produces energies and forces consistent with mass extinction, tectonogenesis.

EARTH'S CUMULATIVE DICHOTOMIES

The faultline inscription processes of the slide shows and other papers of this ebook, have been energised, in addition to effects at, ahead of and antipodal to impact, by global bisectional faultline effects halfway between huge impacts and antipodes:

GLOBAL BISECTIONAL FAULTLINE MANIFESTATIONS (GLOBIFS)

Global Bisectional Faultline Manifestations (GLOBIFS) are surface shock wave collision effects halfway between impacts and antipodal resonances, impact-antipode wave reinforcement manifestations, w.2, w.2 Slide Show.

GLOBIFS as prominent as Iapetus's equatorial ridge, w.2, Mars' hemispheric dichotomy, Earth examples, are as characteristic of "super huge impact" as flared antipodal resonances, multiscale "inscription" symmetries and so on of this ebook.

I propose that the "equatorial" ridge of the Iapetus "walnut" is a classic, extreme example of a GLOBIF, due to a polar super huge impact upon this dry rocky moon of Saturn.

UNIVERSAL META-MORPHOLOGIES

Chance combinations of huge impacts at peripheral GLOBIF crossing point concentrations (GLOCCS) may be a general cause of the larger flares universally, such as those illustrated for the Earth, Moon and Mars in w.1a.pps, Slides 29-46.

I further propose that flare, and other GLOBIF serm cluster (4.5-12) meta-morphologies are in turn universally manifest as familiar, already recognised morphologies:

Rivers, river systems, mountain ranges, Tectonic Plate boundaries, continental shelf edges, coastlines and so on.

HEMISPHERIC DICHOTOMIES

I propose that planetary hemispheric dichotomies, such as on Mars, are the effects of GLOBIFS on an oceanic rocky planet, when the impact hemisphere has low relief and is mostly icy or oceanic.

The Martian hemispheric dichotomy is thus seen as due to a Northern Hemispheric super huge impact (w.1a, Slides 23-**30**) upon an earlier, wet or icy, low relief Mars.

MARS, EARTH, MOON

Mars' Northern hemisphere has been depressed by a Freeze/Foraze Effect, y.3, much as Earth's Impact Hemisphere (IH) has been similarly depressed at Pacific, Arctic, North Atlantic Ocean impacts, the Moon's poles at and antipodal to impact, w.1a, Slide 31 . . .

CUMULATIVE DICHOTOMIES

Earth's octo-, hexadeci-chotomous rhythms of my protothesis, this ebook's Vols 3, 4, is consistent with cumulative hemispheric dichotomy, $(\frac{1}{2})^2.(\frac{1}{2})^2.(\frac{1}{2})^2.(\frac{1}{2})^2$ . . . genesis.

OTHERWISE INEXPLICABLE

The Martian hemispheric dichotomy, Iapetus', Earth's GLOBIFS (w.2 Slide Show), Earth, Moon and Mars' polar uplifts/depressions are otherwise inexplicable.

DEGENERACY PATTERN

The unbounded sphere of the Earth subject to sufficiently huge impact, what I call "super huge impact", would have produced a symmetrical interference pattern globally.

This would have included congruent, symmetric degeneracies, because of the Earth's internal irregularities; composites of patterns generated by hemispheric impactors indicated by rhythmicity.

Explanation of global ocean-continent rhythmicity (See Vol 3 Slide Show) is consistent with fragmented cometary hemispheric impact with a major, central impact at Polynesia, the "wettest

continent, most continental ocean", antipodal to Africa, the largest, most equatorial, oceanic continent . . . . .

Africa-East South Atlantic & West Indian Oceans-East Polynesia show concentric circularities, radialities consistent with East Pacific Basin-centred impacts.

Corroboratively, w.1a.pps Slide 46 shows numerous peripheral, flared antipodal conjugacies consistent with an Impact Hemisphere centred on the East Pacific Basin.

The continents/oceans have thus evidently been inscribed by interference pattern degeneracies originating in the central Pacific Ocean and then evolving globally.

In 3.1, I use simple procedures, texta pen and moulded Perspex templates, to try to work out the degeneracy pattern. The "PIRO-IRO" template thus produced was corroborated as coarsely true by:

1. the ocean-continent configurational fit (Continental Drift contradiction) of its ghosts, Vol 4 Slide Show, Vols 1, 4, from its very first ghosts, as explained below;
2. PIRO-IRO's hexadeci-chotomy, consistent with the octochotomy of the ocean-continent configuration;
3. PIRO-IRO spirality, 1.01 Spirality.

CONTINENTAL NON-DRIFT?

I tried to accommodate Continental Drift nevertheless . . India was the first continent to assert immobility, on serm morphological grounds, 4.5-11, already before 2000.

North American motion had to be given up after my first set of PIRO-IRO ghosts, Vol 4. The other oceanic continents followed. A "Gondwanaland Archipelago" was thus already confirmed in Vols 1, 3, 4.

SYMMETRIES

Super huge impact-generated tidal wave ocean surf, geyser foam, rainout, ocean water penetrated multiscale impact-generated faultlines faster than magmas.

Highest mountains were least FOam-RAinout-FreeZE (FORAZE) Effect-ed, deep oceans most Foraze Effected, indeed Freeze Effect-ed, 3.3, y.03.

GRADUATED FREEZE EFFECT

Freeze Effects affected the whole planetary surface to a varying extent depending on depth for oceans, altitude for continental rain, tidal wave, geyser flooding and foam:

Super huge continental rain, tidal wave, geyser flooding and foam for weeks, months, years; Huge continental rain, tidal wave, geyser flooding and foam, for 100s, 10,000s, 1,000,000s of years.

COAST, CONTINENTAL SHELF GENESIS

y.03: Coastlines, continental shelf edges, river systems are generally multiscale symmetric, consistent with post-super huge impact Foraze/Freeze Effect genesis, Vols x, 0-1, 3-4.

The heaviest foams and rains surrounded most heavily impact-energised Pacific, Arctic Oceans, Americas, Australia, Asia, consistent with these regions' greatest uplifts, most extensive, graduated lowlands, continental shelves.

Extreme evaporation of the oceans produced extreme cloud cover, resulting in an extreme post-Phanerozoic Ice Age, extremely low world ocean sea level.

This was ended by the Post-super huge impact period of Global Warming, due to an atmospheric CO_2 spike originating in super huge impact super-abundant release of oil and methyl hydrate. I thus further propose that:

1. This ebook's super huge impact (THESHI) mass extinction was produced by the rapid, extreme Ice Age-Global Warming transition, a Double Whammy.
2. Pre-super huge impact coasts were further inland than contemporary coasts. Oceans were shallower.
3. Contemporary continental shelf ocean edges are where sea levels dropped to during a post-super huge impact Ice Age.

   Their steep slopes are thus the effect of the Freeze Effect differential across them on an extreme magmatization of this critical period.
4. Coastal lowlands and continental shelves became slopes in the prelude and aftermath of this Ice Age. Falling and rising sea levels asserted a graduated Freeze Effect.
5. Coastal inscriptions became coasts following this extreme Ice Age. Small, insolation variation Ice Ages produced only short term, small variations of sea level.
6. Great mass extinctions, great Ice Ages, Ice Age effects, tiers upon coastal lowlands, continental shelves and so on, were similarly produced by huge, super huge impacts.

CORROBORATION

RHYTHMS: A 16-fold (½)^{4}th order ghostly (interference pattern degeneracy) "resonating object" inscription patterning is corroborative.

MACRO-SYMMETRIES: Corroboration is extended by macro-symmetries of these congruencies about an Impact Hemispheric BOundary (IHBO).

CONFIRMATION

My overall thesis is confirmed by the coherence of the cumulative dichotomies of w.2, the antipodal resonances of w.1 with earlier work. As I explain in 3.4 CONFIRMATION OF OVERALL THESIS:

"It was [SE Asia-South America flared] antipodal resonance, after much work on Ghosts and macro-symmetries, that opened up Vol x confirmation of my overall thesis."

Central Pacific Ocean-centred rhythmic tectonogenesis implies that Earth's oceans and continents were inscribed, developed where we see them today, at and antipodal to hemispheric impactors . . .

METHOD OF PROOF: My overall thesis is proved by corroborating this inference via IHBO-consistent, multiscale antipodal resonances and symmetry enhancements (proved real differentially; perturbations to antipodal superposition produce diminutions globally, synchronously) in an Earth Map of Antipodal Conjugacies produced by Compositing Mercator Projections with antipodal grids superposed, v.001.

The Earth's surface is filled with enigmatic circular structures with a telling ½-ratio maximal diameter dimensionality, consistent with wave coarsening, crustal, mantle resonance Supercrater Etalon 3D-coupled Resonance cell Manifestation (SERM) genesis. Oceanic, atmospheric largest eddies exhibit the same telling ½ -ratio signatures, consistent with ERM genesis.

Unlike the serm-serbil circular-radial features, which echo around the globe, beyond impacts, v.001, w.1, Vol x)s' flares locate impacts unambiguously.

MARS CORROBORATION: A similarly interpretable Mars Map was produced by Compositing David Smith's Mercator Projection of Mars with an antipodally conjugate copy, using perturbations again, thus confirming trans-planetary application of my antipodal resonance explanation.

STATISTICAL PROOF: Importantly, the statistical levels of confidence required of rigorous scientific verifications can be obtained for this section's differential method of proof.

Coincidences between key overhead, inverse "potential" and underlying "relic" sets of inscriptional manifestations, rivers, coastlines, oceanic basins and so on can be measured in various ways.

Statistical levels of confidence can be worked out for variation of such measures with perturbations to superpositions of antipodal grids showing maximal coincidences at antipodal conjugacies.

Pixelation numbers, luminances and so on could be measured using a wide variety of methods, such as those proposed in y.06 to prove the reality of discrete multidirectional symmetries, below.

The SE Asian and Amazonian "triangle" rivers and coastlines, shown in my presentation, is obviously a good places to look to, for a start to producing the necessary data sets.

The North Atlantic- and AustralAsian, or Seas of Okhotsk, Japan and Argentine Basin deeps shown in my presentation are other good places.

My impression of the strength of the resonances is that it will be easy to take confidence levels as high as necessary, simply by choosing sufficiently high numbers, sizes, qualities of such data sets.

OCEAN-CONTINENT ANTIPODALITY

Ocean-continent configurations . . . . evidently become increasingly antipodal, incrementally so upon huge impact, renewably so upon super huge impact.

Continents generally uplift antipodal to soft oceanic, huge impacts; seas generally remain sunken at such impacts and antipodal to hard continental, huge impacts. Tellingly, such uplifts and depressions tend to be mantle "serm" circular, corroborative of my proto-thesis, 4.2-27.

DOUBLE WHAMMY EFFECT

Africa-EurAsia was produced by a "Double Whammy Effect", as an antipodal conjugacy to, and ahead of Pacific Ocean impactors, within a global shock wave interference pattern degeneracy inscription, subsequently developed by opposing effects of magma and water, what I call Freeze Effect, 3.4, consistent with a CMB waveguide, 4.2.

Antarctica and Australia were similarly produced antipodal to relatively isolated Arctic and North Atlantic Ocean impactors, ahead of Pacific Ocean impactors.

The Americas were produced by American impactors, ahead of Pacific Ocean impactors. SE Asia and the Indian Ocean were produced ahead of Pacific Ocean impactors, antipodally to American impactors.

The South Atlantic Ocean was produced antipodally to NW Pacific, NE Asian impactors, ahead of Pacific Ocean, South American impactors.

CORROBORATION

This Double Whammy Effect subthesis is corroborated by Vol w's highest density of Right Way flares in the SE Pacific Ocean antipodal to the largest continent EurAsia, by correspondences between Vol x flare, subflare antipodal conjugacies and Vol 1's Gondwanaland Archipelago macro-symmetries.

OVERALL THESIS PROOF

Extremely unlikely to be a random coincidence, such multiscale flare consistencies with Double Whammy Effect, Vol y's discretely synchronous symmetries, spiralizing macros, Vols 0, 1's symmetries, Vols 2-5's preceding theory, macro-symmetries, IHBO, other internal consistencies prove my overall thesis.

MULTIDIRECTIONAL SYMMETRIES

Inverse Drainage Map transparency rotations around mantle SERM centres reveal 100-400 discrete, multidirectional SERM symmetries, globally, ubiquitously, consistent with:

1. 1-1 correspondence with SERM mantle etalon resonances,
2. "Rotationally Macro-ed" SERM cluster bisectional faultlines (serbils), serbil hierarchy, spiralization,
3. Super huge impact global "2-week super huge earthquake", y.01-2.

These discrete, annular, spiralizing symmetries, and the SERMs which produce/explain/ predict them, are proved real differentially: Perturbations produce diminutions globally, synchronously along full circle arcs. A "macro" phenomenon (y.02) is corroborative.

POPPERIAN PROOF/DISPROOF: The most direct way of proving the reality of my multidirectional symmetries is to show that they are diminished by perturbations to symmetry superpositions.

Synchrony along full circle arcs is proof that 1000s of discrete, annular, spiralizing symmetries are essentially "real", consistent with spiralizing, "rotational macro" genesis, y.02.

SERMS

The surface of the Earth is filled with enigmatic circular structures consistent with super huge impact tectonogenesis.

Elusive in the sense that their circularity is incomplete, noisy, obscure, faint, they are too circular, bisectional, and subconcentric to to be anything but shock wave-fringe inscribed, consistent with super huge impact genesis.

A ½-ratio quality is obvious in Tasmanian examples as 55, 55, 55, 109 kd, 63.5, 64, 65, 65, 65, 66, 66, 67, 130, 130 kd and 137 & 79, 85, 170 kd largest structures, consistent with wave coarsening, crustal resonance genesis.

The ½-ratio quality is most obvious globally as 2,000, 4,000 kd structures, consistent with wave coarsening, mantle resonance genesis, most obviously China and highlands centred on Lop Nor.

The similarly horizontally layered overall geometries of planetary structures where wave coarsening occurs, crusts, mantles and atmospheres, the world's oceans, and so on, are consistent with bifurcational wave coarsening genesis within multiscale nested etalons, indicated by the ½-ratios.

I argue that these fundamental fringe faultline structures are crustal and mantle resonant Supercrater Etalon 3D-coupled Resonance cell Manifestations (SERMs) , 4.5-11.

Largest eddies exhibit the same telling ½ -ratio signatures, consistent with ERM genesis: hurricanes, ocean eddies, Jupiter's Red and White Spots.

WAVE, EDDY COARSENING

Wave coarsening is seen as generally driven by bifurcational ¼-waves within those nested etalons, with other waves energising/"laser pumping" the etalons.

MINERALISATION

The mantle serm mechanism predicts super huge impact:

1. CMB genesis of heavy metal mineralisation, increasing abundance with depth;

2. Super-abundant release to the surface, into crustal, sub-crustal strata of light minerals/salts like oil, water, salt, quartzite, consistent with known distributions, crustal composition, a ^{14}C spike, mid-ocean ridges, seafloor spread and so on, 4.16.

SUPER-ABUNDANT RELEASE

Oil has thus evidently been produced super-abundantly where least Freeze Effect-ed. Super-abundant release of oil has evidently been inhibited by Freeze Effect.

OIL RETENTION

Oil has been retained in shallow seas that remained as such, or became: continental shelves, low-lying coastal lands, continental basins.

SEAFLOOR SPREAD

Ocean basin centredness of seafloor spread is similarly thus easily explained without Continental Drift, in terms of extreme energisation of ocean basins, 3.4, Vol x.

Seafloor spread is "Waterslide Effect"-ed upon subcrustal layers/oceans of silicic lava, a good lubricant, an implication of quartzite's extreme intrusiveness, inviscidity, 4.3.

SEA-ICE EFFECT

I propose that in the continental transition zone, spreading seafloors generally either subduct, stack or compact like Arctic and Antarctic pack-ice, producing a similar variety of thickened forms.

I propose that these layers have been put there by silicic lava-, water-lubricated, horizontal "silent slip" mini-subduction, consistent with the relatively low seismicity of transition zones.

ARCTIC TUNDRA GENESIS

Energies delivered by cometary impactors are clearly sufficient to have exposed the mantle, shattered, cleared crust extensively, consistent with mantle origin of my Arctic Ocean Deep Impact cavity (AODI), Arctic tundra, 4.3.

AODI CAVITY: I propose that the AODI cavity was produced within impact-exposed mantle. Further:

TUNDRA DIFFERENTIAL: High and Low Arctic tundras manifest a super huge impact crustal debris gradient: While the High Arctic tundra has been largely cleared, the Low Arctic tundra has been fertilised.

"3H" EFFECT: "Sculptured" rocks, islands, mountains have been polished as mantle and other substratal surfaces by pre-super huge impact seafloor spread SEA-ICE EFFECT (4.4) relative polishing motions, hard, heavy, and hot enough to have produced such effects.

MACROS

Serm-concentric rotations through multidirectional symmetries show most emphatic, long lineal morphologies, fjords, coastlines, continental shelf edges and so on, being locussed by potentials of the same most emphatic subset globally.

Multidirectional symmetries have thus evidently been energetically composed into an hierarchical faultline network hierarchically during the inscription phase, as rotational loci: "macros".

Just as track shine shows how a railway system has been working, so too, presumably, does macro evidence of wear of the fundamental tectonogenetic mechanism.

Corroborated by serm spirality and many other observations, "macros" are unlikely to be a random coincidence.

JIG-SAW PATTERNS: Macros and Jig Saw Patterns seem to be two aspects of the same globally ubiquitous phenomenon, like the "attractors" described in 1.031. The Hokkaido set may show this most clearly.

PIRO-IRO CORROBORATION: Recall 3.1's super huge impact-energisation Resonant "Object" (PIRO) and Inverse Resonant "Image" (IRO).

Jig-Saw Patterning was already a feature of PIRO-IRO's effecting the Earth's ocean-continent octochotomy, see Vols 1, 4 Slide Shows.

Jig-Saw Patterning is evident in PIRO-IRO Ghost coincidence detail also, such as in the Africa Ghost antipode, x.0 Cover: AODI cavity boundary, Yukon and Mackenzie Rivers, the Alaska Range, Aleutian Peninsula.

PIRO, IRO ghosts are also multidirectional. PIRO-IRO Ghost coincidences generally correspond to the same kinds of faultline manifestations, rivers, coastlines, mountain ranges, as Vol y)'s macros . . . .

Hexadeci-chotomous PIRO-IRO and its ghosts and macro-symmetries are thus convincingly macro-scale macros. Multiscale rotational macros are easy to find on all continents.

Multiscale macro genesis of the global interference pattern "degeneracies" of 3.1, PIRO-IRO ghosts and macro-symmetries and finer detail of this Vol y) is thus indicated.

VOL X CORROBORATION: Vol x flares confirm Vol y observation that Macro and Jig Saw Pattern emphases follow impact energisation fields:

Macro and Jig Saw Pattern correlations are most obvious in strongest symmetries of multidirectional, multiscale sets, y.02.

VOL Y CORROBORATION: y.02 CORROBORATIONS: Super huge impact global "2-week super huge earthquake" explanation; y.02 MACROS.

CELLULAR AUTOMATA

As I explain in 4.10: "Reminiscient of Stephen Wolfram's putatively physical "cellular automata" (2002) and originating at the edge of impact chaos, micro-serm/erm precursors to serm/erm scenarios are physical realisations of:

Quasi-cellular automata . . . . Micro-serm/erm and "cellular automata" theory and evidence are thus mutually corroborative." 5.2:

CONTEMPORARY RAMIFICATIONS

Human potential is broadened by the greater determinacy, manageability of THESHI impact tectonogenesis compared to existing, orthodox geological understanding.

Future tectonic activity, earthquakes, volcanoes and so on will be:

1. Much more predictable than today.
2. Diminish into the distant future, being already nearly terminal.

Deep seawater canal-associated green-houses would ameliorate much of the harm done to Environment by farms. A "reduced footprint" of humankind on Environment is ultimately going to happen via combinations of catastrophes and brilliant engineering, preferably mostly the latter.

TETRAPODS

5.1's human scenario is only the tail end of a 250 myr PTB Impact-ed biological evolution of tetrapods.

The Earth and its Biosphere are resilient, having survived THESHI, PTB impact, events that extinguished most species, enabled radiation of survivors, notably tetrapods, humankind and so on.

GEO-POLITICAL RACE, RELIGION, HISTORY, CULTURE, DIPLOMACY, 5.1

Super huge impact may be the ultimate determinant of how civilisations evolve on rocky planets with ocean-continent surfaces, how they globalise and so on, at least for starters, the contemporary situation on Earth, apparently . . .

Earth's Impact Hemisphere (IH), antipodal Africa (AA), & Intermediate Region (IR) correlate with the New World/Oceania, Original World, & Old World, respectively, and the distribution of Yellow, Black, & White coarse race categories respectively, before an ~500 year period of world colonisation which has been undoing these strong, probably causal associations.