

## The LB-FLINE-BEC Macrocosm of Universal Origins: Guidelines to the Theory of Everything (TOE)

Alexander Alan Scarborough – Paper #1 of 5 -- NPA – May 2009

**Abstract:** The LB-FLINE-BEC (Little Bangs/Five Laws/Internal Nucleosynthesis/Evolution/Bose-Einstein-Condensation) model of universal origins had its beginning in 1973 via *Fuels: A New Theory*. Realization and substantiation of the intimate relationship of the hydrocarbon fuels (gas, oil, coal) led to the ongoing source of Earth's atomic and molecular matter: a nuclear energy core, later found to be in agreement with Descartes' belief (1644) in Earth's "Sun-like" core. This led to a definitive understanding of the five stages of planetary evolution (E) driven by Internal Nucleosynthesis (IN) at rates in accordance with mass. Recognition of the fiery origin of our Solar System, and subsequent discovery of the Fourth and Fifth Laws of Planetary Motion (FL), provided clues that led to definitive evidence of galactic formations spewed (Little Bangs, LB) from Black Holes (a.k.a. Black Energy Spheres, BES), the densest form of energy, previously formed at the perimeter of our spherical Universe expanding at  $c$  speed into the black, absolute-zero-temperature Void enveloping it. The conditions here are perfect for creating space-time energy via the Bose-Einstein-Condensation (BEC). This final link in the LB-FLINE-BEC model of ongoing universal origins provides, and explains, the steady source of energy essential for driving forever the ongoing functions of all universal systems: from *Void to Energy to Universe* – coincidentally, the title of the unpublished 1980 manuscript in the author's ten-edition Energy Series (1975-2008). The updated model offers unlimited opportunities for scientists to find, as Einstein predicted, "...the right answers...simple and beautiful" for the Theory of Everything (TOE).

The five papers in this series present ten new developments dealing with the continuity of the LB-FLINE-BEC model of universal origins: the Bose-Einstein-Condensation, quasars, expanding Earth, a completed book, and six powerful discoveries confirming the model's scientific validity (with transparencies).

### An Overview of Eight Major Phases

Now, 160 years after Poe's initial publication of the Big Bang, it still stands alone in its capacity to stymie scientific progress. The reason: no viable alternative existed, until now.

The revolutionary L.B.-FLINE-BEC model readily supplies substantiated evidence to a plethora of universal mysteries that remain impossible to solve in the Big Bang perspective. A few selected examples illustrate this point:

1. The Five Laws of Planetary Motion (FL), three by Kepler, two by Scarborough, reveal the dynamic birth of our Solar System. They explain the geometric spacing of ten or more planets around our Sun, and reveal the small changes in their planetary orbits during the five billion years.
2. The five stages of planetary Evolution (E) via Internal Nucleosynthesis (IN) occur at rates in accord with mass. IN and E are inseparable during the life cycles of billions of years.
3. Origins and evolution and the intimate relationship of the hydrocarbon fuels (gas, oil, coal) start with the IN of carbon, hydrogen and oxygen atoms, their building blocks. Methane ( $\text{CH}_4$ ) polymerizes into longer atomic chains (petroleum), which later polymerizes and cross-links into coal, all on the scale of trillions of units over billions of years. This typifies the method of creation of all land, water, atmospheres, and all other matter via IN-E in all planets and moons.
4. The IN-E processes within all active universal spheres account for the 2.7K Microwave Background Radiation (MBR) (blackbody) throughout the Universe: not a Big Bang leftover!

5. The IN-E processes also account for Earth's continuous expansion. The reason: As the core's nuclear energy transforms into atomic matter, each atom expands into a significantly larger space. Multiplied trillions of times, the atoms must make more room by pushing outwards; thus, Earth expands, ever growing larger, ever changing its surfaces and atmospheres continually.

6. As Earth changes over time, so must species change: either adapt or die off, and new species appear, already adapted to the changes. There is much substantiated evidence, not well-publicized, that dinosaurs died out over a period of 500,000 years, due to atmospheric changes (e.g., oxygen reduction, 32% to 16%), and diminishing food supplies.

7. Black holes are massive spheres of dense black energy, each destined to become central to the formation of a pinwheel galaxy. The curvature of galactic arms occur as the gigantic mass spews brilliant white energy masses of a great variety of sizes from its two poles. Billions of these fiery masses interact to form a large variety of solar systems, many weird ones, and occasionally a rare, perfect geometrically-spaced one like ours, later to evolve via Internal Nucleosynthesis into planets and moons.

8. The black spheres formed as the densest type of energy. They will form and grow larger at the spherical perimeter where light at  $c$  speed crashes into the black Void of Infinite Space. At absolute-zero temperature, the conditions here are perfect for the Bose-Einstein Condensation to create the dense black energy spheres by the billions, enough to keep the Universe expanding at nearly  $c$  speed while new layers of galaxies are created continually. Thus, the Universe is a self-sustaining entity that continually creates its own systems providing their own momentum without the necessity of any mysterious dark energy to push them along.

The evidence and logic supporting these eight critical factors of the L.B.-FLINE-BEC model rest on a solid foundation. As macrocosmic products of 35 years of researching the origins and evolution of universal systems, they provide excellent guideposts to a theory of everything for physicists working in the microscopic arena. "Microcosm repeats macrocosm." (Thomas Huxley)

The research findings brought the Big Bang Theory sharply into focused comparisons revealing its structure of impossibilities; in its perspective, none of the eight factors are remotely possible, no matter the speculative evidence or logic.

The revolutionary model is the product of approximately 12,000 hours spent in library searches over the time-frame of 35 years of interlocking history's right answers into its final 2008 version. The exhilarating joy of finding each new facet fitted precisely in sync with all previous findings was tempered somewhat via the persistent rejections by Big Bang advocates in charge of each annual science meeting – all in accord with Kuhn's predictions. Joining the open-minded NPA international group that permitted presentations of all papers at each meeting gave rebirth to true science at its best.

As long as the Big Bang/Accretion hypotheses prevail, understanding our Universe will remain impossible. Five examples:

1. Comets as dirty snowballs: actually fireballs that often evolve into cratered asteroids.
2. Impact craters (Moons, Earth): actually ejecta craters made by ejected fireballs. (Mills, 1950s)
3. Dark Energy pushing the Universe, gravitons: actually momentum/gravity effect of black holes.
4. Asteroids as building blocks: actually remnants of a disintegrated planet (Olbers, 1802).
5. Earth's core, rock or metal: actually nuclear energy that drives Earth's evolution.

**Reference: Origins of Universal Systems: A Brief History of the Right Answers...Simple and Beautiful, 2008, Alexander Alan Scarborough. [www.trafford.com/07-3047](http://www.trafford.com/07-3047).**