

Abstract Submitted
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COOL COSMOLOGY: “WHISPER” better than “BANG” PAUL CARR, AF Research Laboratory Emeritus — Cosmologist Fred Hoyle coined “big bang” as a term of derision for Belgian priest George Lemaitre’s prediction that the universe had originated from the expansion of a “primeval atom” in space-time. Hoyle referred to Lamaitre’s hypothesis sarcastically as “this big bang idea” during a program broadcast on March 28, 1949 on the BBC. Hoyle’s continuous creation or steady state theory can not explain the microwave background radiation or cosmic whisper discovered by Penzias and Wilson in 1964. The expansion and subsequent cooling of Lemaitre’s hot “primeval atom” explains the whisper. “Big bang” makes no physical sense, as there was no matter (or space) to carry the sound that Hoyle’s term implies. The “big bang” is a conjecture. New discoveries may be able to predict the observed “whispering cosmos” as well as dark matter and the nature of dark energy. The “whispering universe” is cooler cosmology than the big bang. Reference: Carr, Paul H. 2006. “From the ‘Music of the Spheres’ to the ‘Whispering Cosmos.’ ” Chapter 3 of *Beauty in Science and Spirit*. Beech River Books. Center Ossipee, NH, <http://www.MirrorOfNature.org>.

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