

# Chronological Overview of the Research of Burkhard Heim

(The numbers in parentheses refer to the corresponding page numbers in the biography written by I. v. Ludwiger "Burkhard Heim" Scorpio Verlag 2010, ISBN 978-3-942166-09-6)

- February 9, 1925 Born in Potsdam, Germany
- 1938 First working homemade rocket which reached an altitude of about 100 m  
Experiments with explosives
- 1941 Study of thermite explosives, studies in biology, astronomy
- 1943 Attended high school and night school, and he also gave private lessons in his spare time, but his health breaks down (41)  
Lack of completion certificate in high school, but good and very good grades in high school and night school at the same time (43)
- 16.5.1943 Experiments with high explosive thermite  
Met with Professor Werner Heisenberg, where Heim proposed the creation of nuclear fusion by means of a shaped charge explosive device (60)  
Joined the German Air Force in Holland, then moved to Cisterna
- 1944 Given leave of absence from the army, went to Berlin at the Chemical-Technical Imperial Institute to synthesize thermite explosives (73ff)  
05/19/1944 accidental explosion of thermite explosives in his hands, suffered the loss of both hands, hearing and vision (83)  
Resided in different hospitals, underwent many operations
- 1945, 1946 Escaped to Bavaria, and finally moved to Nordheim (102ff)  
November 1946, began the study of Chemistry in Göttingen (5 semesters)  
1949 physics, mathematics and astronomy majors (137)
- 1952 Development of a unified field theory, without using Einstein's nonsymmetrical Tensors (151)  
Geometric quantization  
Unified electromagnetic-gravitational field strength tensor, formed using a group theoretical basis.  
Six-dimensional metric structures in  $R_6$  (152) (268)
- March 23, 1953 Recognition of the need for a formal method of logic that is independent of human dualistic logic (Syntrometry) (164)  
Beginning of the development of an aspect-based logic.
- 1953 Further work on the Mesofield theory  
Studies in philosophy, biology, psychology, anthropology, astrophysics and cosmology
- August 31, 1954 Presentation to Einstein (180, 184)
- May 9, 1955 Presentation at the 3rd International Astronomical Congress in Stuttgart  
"The Contrabarie as a solution of the astronomical problem" 2 hours (155 ... 157)
- 1955 Solution of the Contrabarie equation (191)  
Design of an arrangement for experimental verification of this effect (192)

- January 24, 1956 Written reports were delivered to Mr. Rideout at the “Gravity Research Foundation”:  
 “A Report on the development of the Principle of the Dynamic Contrabarie” (198)  
 and “Bericht über die Entwicklung des Prinzips der dynamischen Kontrabarie” (German  
 version)  
 800 preliminary experiments with waveguide rings for the construction of the Contrabarie  
 mechanism (206)
- October 5, 1956 Degree from the University of Göttingen, thesis “Hydro and Thermodynamics as well as  
 Spectroscopic Studies of the Filament System of NGS 1952” (186, 208)
- September  
 12, 1957 First experiment with the Contrabator (214)
- October 25, 1957 Presentation at the meeting of the German Society of Rocketry and Space Travel (DGRR),  
 (illegal tape recording) (217)
- 1958 Studies of four-dimensional projective differential geometry and quantum electrodynamics  
 of subnuclear structure (187)  
 Design of a Contrabarie transformer for the conversion of radar waves into anti-gravity  
 (188)  
 Study of depth psychology and psychiatry (188)
- 1958 Many articles appeared in newspapers and tabloids about Burkhard Heim  
 Appearances on radio and in movie newsreels and television (226)  
 Start of a stipend by Ludwig Bölkow (224)
- February 1958 Contact with Prof. Hedwig Conrad-Martius (philosopher) (235)  
 Presumption that  $x_5$  and  $x_6$  act as controlling organizational coordinates (without knowing  
 about the mediating physical interaction)
- September 1959 Presentation to the Astronautical Congress in Bremen with prediction of a weak lunar  
 magnetic field, the existence of which was confirmed a year later by Russian researchers  
 (243)
- June 4, 1959 Publication in “Flugkörper” (Missiles), Part 1 (249)
- June 26, 1959 Presentation to the European Research Center for Gravitational Research (EFG) in Rome  
 (254)  
 Development of finite difference mathematics for Metron calculations (262)
- 1959 Selector theory (262)  
 Mathematical determination of the limit of gravitational attraction ( $R_H$ ), allowing for chaotic  
 cosmic matter distributions at larger distances (264)
- 1960 Discovery of further possible interactions between gravitational and electromagnetic fields  
 (262)  
 Mathematical investigation of the 6-dimensional world geometry (268)  
 Publication of the first Institute report (275)
- 1961 Keynote address at the conference of the Centre Européen pour les Recherches sur la  
 Gravitation (CERG) (273)  
 Study of unusual phenomena in Photoporesis (276)  
 Application of Metronic calculations in the six-dimensional theory of infinitesimal world  
 structures in  $R_6$  (281)  
 Found the four hermetries a) ... d) (286)
- Spring, 1962 Lecture in Milan to a meeting of C.E.R.G. (283)

- 1963 Participation in the TV show “Perspektiven” (Radio Bremen) (284)  
 Lower bound of the ponderable mass spectrum, electron mass, elementary charge, proton mass, Sommerfeld fine structure constant (approximately)  
 Link between the diameter  $D$  of the universe and the Metron  $\tau$   
 Geometrization of the fundamental constants  
 Quasi-static universe  
 Ages of the world (the universe)  
 Metronic actualization intervals  
 Formation of matter 14 billion years ago (287)
- 1964 Development of a new highly sensitive gravimeter ( $10^{-3}$  g) (289)  
 324-page typed script about Syntrometry (unpublished) (292)  
 Solution of the field equations  $\rightarrow$  Exchange of maxima and minima of geometric sequences (fluxes) in  $R_6$ ,  
 Metronic structure fluxes,  
 Reduction to six basic flow patterns through structural isomerism  
 Theory of the internal structure of elementary particles
- 1964 Construction of an EEG with 0.1 uV sensitivity (300)  
 Proposal to use the device to detect changes in metabolic processes of cancer cells in the human organism (301)  
 Mathematical analysis of the interaction between photons and gravity (308)  
 Proposal to demonstrate the the Contrabarie effect with light instead of radar waves (308)  
 Contact with Prof. Hans Bender (310)  
 Death of his father and assistant Henry Heim. Then several years of standstill in working with theoretical problems (296)
- 1965 Experiments with and without Jürgenson to record paranormal Electronic Voice Phenomenon (EVP) (312)  
 11/22/1965 critical written comments on these experiments (312)  
 By 1974 more of his own experiments on paranormal EVP, approximately 1300 attempts (320)  
 Experiments to optimize atomization of fuel for petroleum powered engines (298)
- 1966 Construction of an optical test bench for the Contrabarie experiments (332)
- From 1967 Work on the mass of elementary particles based on the Protosimplex theory (331)
- November 17, 1969 Lecture at MBB, Ottobrunn for about 14 scientists, including Pascual Jordan (342)
- November 11, 1969 Request to Springer-Verlag to publish his 1,200 page manuscript on the development of the unified field theory (344)
- 1970 Solution of the basic syntrometric equations (World Selector) in component form of partial structures (331)  
 Submission of an article “Results of the Theoretical Representation of some Elementary Physical Quantities” to *Physics Letters B* (was not published) (349)
- 1971 Purchase of a desktop computer DIEHL Algotronik for testing the formulas obtained (although only 9 digit accuracy could be obtained for the calculated constants) (332)
- Early 70’s Further work on Syntrometry and its application to biological and psychological problems (335)
- November 28, 1971 Mass formulas for the ground states of elementary particles (356)

- 1973 Paper, “Properties of Elementary Particles Derived from Field Equations” submitted to *Physical Review D* and *Il Nuovo Cimentao* (was not published) (363)
- 1974 Lecture “The Cosmic Realm of Human Experience” presented to the fifth IMAGO MUNDI Congress (366)
- 1975 Participated in a panel discussion at Austrian Broadcasting, Salzburg on “Parapsychology and Religion” (Night Studio) on 02/17/1975 (376)  
Submission of 370 typewritten pages of “Syntrometrical Maximum Telecentric” at MBB (384)
- 1976 Lecture “The Elementary Processes of Life” presented to the sixth IMAGO MUNDI Congress (366)
- 1977 Publication: “Vorschlag eines Weges zur einheitlichen Beschreibung der Elementarteilchen” (Proposal for a Method to Find a Unified Description of Elementary Particles) in *Zeitschrift für Naturforschung* (369)
- 1978 Submission of the manuscript for Volume 1 “Elementary Structures of Matter” to the Springer Verlag for an English edition on 12/12/1978 (Publishing was put on hold by the publishing house) (379)  
Interview with Peter Ripota at a meeting of Imago Mundi (408)
- 1980 Lecture “Post-mortem states?” presented to the seventh IMAGO MUNDI Congress (366)  
First error prone version of “Elementary Structures of Matter” Volume 1 (380)  
Publication of the book “Post-mortem states” (384)  
Stipend from the firm MBB (2000 DM per month) to 1985 (389)
- 1981 Plan for an experiment using a rotating electrically neutral mass to generate a magnetic field (394)  
Completion of Volume 2 of “Elementary Structures of Matter”
- 1982 Program for the mass formulas at DESY (had some minor bugs in programming)
- 1984 Publication of “Elementary Structures of Matter” Volume 2 (399)  
Request grant from the German science ministry for the promotion of the rotation experiment (2 million DM) (395)
- 1985 Lecture by I. von Ludwiger, Auerbach, Harasim and Kroy “Laboratory Experiment for Testing the Gravi-Magnetic Hypothesis with Squid Magnetometers” for the proposed detection experiment (395)
- From 1986 Together with Walter Dröscher worked on the derivation of interaction constants (402)
- 1986 Request to the Fachinformationszentrum, Karlsruhe, to review Volumes 1 to 3 (was rejected for lack of jurisdiction) (404)
- 1989 Substantially revised edition of Volume 1 (398)  
Improved version of the mass formulas without additional weighting factors based on the derivations of volume 3 (425)
- 1992 Paper for the *Journal of Scientific Exploration* by Prof. H. Auerbach and I. v. Ludwiger: “Heim’s Theory of Elementary Particle Structures” (414), also published in 1993 MUFON-CES Volume 11 (416)
- 1993 Lecture “Basic Conditions of Health and Human Development”, presented at eleventh IMAGO MUNDI Congress (402)  
Derivation of the interaction constants by W. Dröscher using cardinal number operations in  $R_{12}$  (415)

- 1994 Lecture Series by Burkhard Heim in the TU Berlin (May 13 to June 26) (422)
- 1995 H. Auerbach “Elementary Structures of Matter” for a magazine in Cambridge (not printed) (421)
- 1996 Volume 3, “Structures of the Physical World and Its Non-Material Aspects” (425)  
 Many health problems: fainting, intestinal tumors, inflammation of the pancreas (resulting from an operation), stroke with paralysis and inability to speak  
 Rehabilitation and restoration of ability to speak (436)
- February 3, 2000 Lecture in the Pflaum Publishing on “Ethics in Complementary Medicine” (437)  
 Severe cerebral hemorrhage caused by clot interfering prescription drugs (437)
- 2001 Pneumonia  
 Burkhard Heim died on January 14, 2001 (438)  
 Establishment of the Heim Theory working group, [www.heim-theory.com](http://www.heim-theory.com) (442)  
 Recalculation of the mass formula with currently known more accurate values of the constants of nature, giving better results than 1982 (444)  
 Bifurcation of Heim Theory and Extended Heim theory (EHT) with further development of specific aspects of the latter with  $R_8$  by Walter Dröscher (444)
- October 28, 2006 Death of Gerda Heim
- 2009 Corrected derivation of Heim’s theory of gravity with a presentation of the foundations of Mesofield theory by Dr. Konrad Green (previously unreleased) (148, 445)  
 K. Grüner. “Notes on Heim’s Theory of Gravity” in MUFON-CES Report 12 (451)

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