

## **BIO and WORK**

### **Gary Schweitzer Tong**

Born in Budapest, Hungary, 1942

Emigrated to USA, 1957

Currently retired from 35 years in professional book illustration for major publishers in New York City



M. A., Harvard, Ancient Near Eastern Languages, 1968, doctoral candidate, (did not continue in academics)

B. A., Queens College, Classical Languages, Music and Linguistics, Magna cum laude, Phi Beta Kappa, Woodrow Wilson Fellow, 1965

Columbia University, summer 1964

National Defense Educational Fellowship in Chinese -- 1964

National Merit Scholarship -- Letter of Commendation -- 1961

Research assistant and photographer—Center for Cognitive Studies, Harvard University, 1968-1969

Research assistant (Harvard University / Boston City Hospital—experiments in stereoscopic vision), 1969

Photographer—T. B. Brazelton, *Infants and Mothers*, Delacorte, 1969

Photographer—J. S. Bruner, *Processes of Cognitive Growth*, Clark U. Press, 1968

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## **WORK**

### **A. PHYSIOLOGY**

Detailed description of the engine that produces both speech and feeding, a collection of papers covering the speech engine, speech ontology in infants, phonation, mastication  
<https://www.garystong.net/Speech&Feeding/>

The cause of yawning – based on the Two-bodies theory of A. S. Romer (1972)

<https://www.garystong.net/Yawning/Yawning.pdf/Yawning.pdf>

How the deaf can learn normal pronunciation – error in current methodologies: not recognizing that the deaf build imperfect speech on mastication and respiration frameworks, not on the speech frame, which they do not know, but which is easy to locate once instructed, however, no schools or institutions dealing with the deaf have responded to this matter

<https://www.garystong.net/DeafSpeech2018>

Body-mind coordination – the design in which parts of the body coact in specific ways can be defined, and this data is applicable in ergonomics and in psychology

[https://www.garystong.com/B-M coordination/Body-mind coordination.pdf](https://www.garystong.com/B-M%20coordination/Body-mind%20coordination.pdf)

### **B. NATURAL HISTORY**

Source of bird flight – a highly convincing, self-evident Uniformitarian theory, abstract at

<https://www.garystong.com/BIRDFLIGHT/BirdFlightAbstract2.pdf>

Source of insect flight-Abstract: insect flight engine evolved from a sound vibrator that originally provided flapping movement to an appendage in signaling; another Uniformitarian proposal

[https://www.garystong.com/Insect\\_flight/Insect\\_flight.pdf](https://www.garystong.com/Insect_flight/Insect_flight.pdf)

The source of human bipedality – an entirely demonstrable uniformitarian theory

[https://www.garystong.com/Bipedalism/The\\_source\\_of\\_human\\_bipedalism.pdf](https://www.garystong.com/Bipedalism/The_source_of_human_bipedalism.pdf)

The four modes of vertebrate limb coordination – a taxonomy based not on track timing or cycles, but on four parameters applicable to all five vertebrate classes

[https://www.garystong.com/Vertebrate\\_Motion/CoordinationModes.pdf](https://www.garystong.com/Vertebrate_Motion/CoordinationModes.pdf)

[https://www.garystong.com/Vertebrate\\_Motion/Legend.pdf](https://www.garystong.com/Vertebrate_Motion/Legend.pdf)

### C. LANGUAGE

The mechanics of phoneme production – a pioneering work with a detailed description in engineering terms of the nodal matrix that produces all phonemes – currently under consideration by John Benjamins Publishers, Amsterdam

[https://www.garystong.com/Phoneme\\_production/Preliminary\\_precepts.pdf](https://www.garystong.com/Phoneme_production/Preliminary_precepts.pdf)

[https://www.garystong.com/Phoneme\\_production/Preliminary\\_precepts.pdf](https://www.garystong.com/Phoneme_production/Preliminary_precepts.pdf)

[https://www.garystong.com/Phoneme\\_production](https://www.garystong.com/Phoneme_production)

The single engine that produces speech and feeding, collection of papers covering the speech engine, infant speech ontology, phonation, mastication mechanics

<https://www.garystong.com/Speech&Feeding/files/>

The influence of climate on human language diversity has been advanced by I.

Maddieson. A far less cumbersome, less tangential, and more convincing and concise treatment is in

<https://www.garystong.com/Climate-Cons/Climate-consonants.pdf>

Hand gestures as interfacing in phoneme production

[https://www.garystong.com/Gesticulation\\_and\\_phonemes.pdf](https://www.garystong.com/Gesticulation_and_phonemes.pdf)

Mapping the speech engine enables defining the articulatory basis, i.e., the phonetic framework of any language. This discipline is not currently a topic of interest in linguistics.

Audition my personal audio recordings of the authentic native pronunciation of ten foreign languages at:

<https://www.garystong.com/Pronunciation/Samples>

### D. MEDITATION- body-mind physiology

Mechanics of meditation - three physiological papers

<https://www.garystong.com/Meditation>

A substantive modern work on meditation and yoga, bringing an entirely new set of scientific parameters to Asian body-mind traditions, and offering for the first time greatly simplified practices to suit the modern world. The finished volume can be seen at:

[https://www.garystong.com/Pragmayoga/Zonal\\_respiration.htm](https://www.garystong.com/Pragmayoga/Zonal_respiration.htm)

Including: a) The connection between a particular language and the manner in which it influences body behaviors, "The Language Rule"; b) The association of respiration and vision: a fundamental mental function; c) The body-mind as a tripartite entity, the Trisoma, a fact derived from Alfred Sherwood Romer's theory, "The Vertebrate as a Dual Organism: The Somato-Visceral Animal." *Evolutionary Biology* 6:121-156, 1972.

Structural elements connecting the body and mind as seen in the introspective researches of William James  
[https://www.garystong.com/WJames/WJames\\_Introspection.pdf](https://www.garystong.com/WJames/WJames_Introspection.pdf)

## E. Music and Composition

Composer and performer--videos of piano pieces  
<https://www.youtube.com/channel/UCnYRa2dU2gYdJqf7CI88syQ/videos>

Composer and accompanist—songs collection for two sopranos and mezzo-soprano—recital at Weill Recital Hall in Carnegie Hall, New York City, December 9, 1988, The concert flier is uploaded at  
[http://www.garystong.com/Concert\\_1988](http://www.garystong.com/Concert_1988)  
David Buechner, then professor at The Manhattan School of Music, has written a review in 1993 of my music, which is posted at  
<http://www.garystong.net/Music/Review.pdf>

**Composer** - music for the PBS documentary *Balancing Act*, 2003

Audio collection of musical pieces:

<https://soundcloud.com/gstong>  
<https://soundcloud.com/gstong2>  
<https://soundcloud.com/gstong3>

**Artwork and music portfolios** Online portfolio with c. 400 paintings and drawings, as well as musical compositions (instrumental, orchestral, classical, modern and popular) numbering about a hundred - on the internet at: <http://www.garystong.com/Artwork>

## F. TECHNOLOGY

The accidental discovery of the wheel – derived from jewelry craft  
[http://www.garystong.com/Wheel/Invention\\_of\\_the\\_wheel.pdf](http://www.garystong.com/Wheel/Invention_of_the_wheel.pdf)

## E. LITERARY

Gene Wolf

Odysseus

**Papers not online:**

1. Magnetic alignment in animals – correct kinesiological orientation increases efficiency of muscular movements –with applications in human ergonomics
2. Tongue breakers: the key to fundamental phonetic fluency and, therefore a factor in the evolution of grammar
3. Vowel harmony in Hungarian – the physiological explanation
4. Phase relationship between rates of limb movement and respiration – rate of limb motion increases linearly, while respiration rate accompanying this motion speeds up and slows down cyclically
5. The larynx as the regulating interface of respiration, and therefore, of all somatic and mental actions - a fundamental process so far unrecognized
6. Support for Noam Chomsky's theory of the hard wiring of language, manifesting in orolingual myology, i.e., in phonetic mechanics; grammatical parts have physiological manifestation in tongue tension map, i.e., verbs, adjectives, etc., have specific tension regions in the tongue and orolingual complex
7. The fundamental /i/ anchor in Mandarin Chinese phonetics – statistically supported
8. The physio-myological factors of musical perception and musical structures – its biological mechanism never before considered
9. Mirror anatomic structuring between a) pectoral and pelvic girdles, b) facial and phrenal musculatures, c) parts of the larynx, d) parts of the branchiomic system
10. The interfacial role of the ancestral the gill basket in the evolution of directed vertebrate locomotion
11. The explanation of the ambiguous figure-ground optical illusion
12. The myological image and mechanism of the "mirror neuron" effect
13. The speed of Western musical evolution - critique of musical history
14. The true rank of sci-fi author Gene Wolfe - literary essays

Published trade books:

*Modeling in Self-hardening Clay*, Larousse, 1976

*Modelling in Self-hardening Clay*, Pelham Books, London, 1977

*Gary Tong's Crazy Cutouts*, paper engineering of toy figures, Scholastic (five volumes, 1979-1988), Dutch and French translations, c. million copies sold (Scholastic Author of the year, 1982), samples at:

<http://www.garystong.com/CUTOUTS/>

Published e-books:

*Absurd!* and *More Absurd!*, two ebooks of cartoons, Kindle, 2016, e.g.,

<https://www.amazon.com/Absurd-Gary-Tong-ebook/dp/B018BTCM34>

[https://www.garystong.com/Wheel/Invention\\_of\\_the\\_wheel.pdf](https://www.garystong.com/Wheel/Invention_of_the_wheel.pdf)

*On the invention of the wheel*, Smashword, 2017

The wheel was not invented, only discovered in connection with prehistoric jewelry production

Book proposals (handled by the Altair Literary Agency, Washington, DC):  
Dinosaur model building book, (paper engineering) in partnership with The American Museum of Natural History, 2003

Card set with key for identifying the trees of Northeastern America, an adaptation of sorting with the classic pin-and-card method, 2003

**Inventor**

Two U.S. patents in dental hygiene, 1997

Toy designs exhibited in New York Toy Fairs (1977-2005) by Creative Group Marketing, Stamford CT

ABC bus (educational toy) licensed by Schylling, 2002

Toy designated for promotional marketing in the USA of the British children's book series Mr. Men, 1998