

1 The following topics by Gary S. Tong, are functions, processes and phenomena all of
2 which with a few exceptions are governed by the single factor of glottoregulation thus
3 the apparent complexity reduces to a few simple axiomatic elements, see line 46.

4 Biology

5 (Bio) Glottoregulation – Exposition of a so far unknown axiomatic function underlying
6 and regulating all body movements observable as body-mind structuring and central
7 control built on glottoregulation. Glottoregulation maintains bodily |muscular behavior
8 in such a way that the glottis is always kept maximally open, countering the forces of
9 body kinetics that tend to close it. A specific component of this function has never been
10 understood to be none other than the ch'i or prana.

11 (Bio) The kinetic aura – There is a projection of the body at a distance from the actual
12 body. It is the setup frame for muscular projection of the body. Its position depends on
13 how far the physical or mental action is outside the body and varies with age. For the
14 younger person it lies in the front and moves to the back as we age, causing the faulty
15 balance in the old).

16 (Bio) The cause of yawning – a coherent physiological explanation for the first time

17 (Bio) Odd versus even beats of rhythm have physiological bases and functions and
18 relationship with right versus left feet.

19 (Biol) The only rigorous, demonstrable, and above all, testable hypothesis for the origin
20 of bird flight

21 (Bio) Respiratory mechanics has five actions within the change of prime mover
22 (between the three zones of breaching analogous toe gear switching.

23 Biol) The source of insect flight – another first: a case of a mechanical sound vibrator
24 combined with signaling appendages

25 (Bio) (Respiration) Breathing occurs in a three zone cycle that has not been known.
26 Inhalation and exhalation do not simply alternate but perform actions that need be
27 explained; the yoga master Sri Narayananda mentions that in nasal breathing the
28 dominance of left versus right alternate

29 (Biol) (Physio) (Monosoma) Bodily kinetic differences between the major racial
30 ethnicities

31 (Bio) Development disrupts congruence of layers in gastrulation but it can be
32 reconstructed through glottoregulation to reveal systemic behaviors of the body

33 (Bio) An original and confirmable uniformitarian hypothesis accounting for human
34 bipedality whose sources still exist in two human and ape functions

35 (Biol) (Mind) Music and art – the synesthetic process – how sounds and sights engender
36 sensations in the body and mind

37 (Bio) (Cognit) The tongue is both horizontally and axially divided into three parts each
38 division reaching differently into articulation, into the mind and into cognition

39 (Biol) (Mind) (Physio) The Upper Visceral Body – a so far unrecognized organ system
40 arising from vertebrate evolution
41 (Biol) (Physio) How talking that sounds normal can be taught to the deaf
42 (Bio) Unexpected behaviors in the conceptualization and lingual articulations of the
43 numbers 3, 6, and 9, otherwise claimed by N. Tesla to be the key to the universe
44 (Biol) (Mind) The geometrical structure of the mind-body---geometry itself built into to
45 the body and mind of humans and animals, cf. sports, billiards, archery, (and notably)
46 the archer fish
47 (Bio) The visual geometry designed into sexual attraction and cognition `
48 (Biol) The artist's eye – what is it and how to generate it
49 (Bio) (Physio) (Gender) The chief musculoskeletal sources that differentiate the
50 movements of human males and females (a clue: pectoralis minor!)
51 (Biol) (Monosoma) Why yogic or kinetic instructions by Asians for Europeans and vice
52 versa are often misleading
53 (Bio) (Physio) Double count relates to walking, but what about triple count?? I figured it
54 out!! Double starts on right side, triple on left!!!
55 (Bio) (Graphics) The trigger and action embedded in all body movement and its
56 cognitive role in graphics such as handwriting and calligraphy (ascenders and
57 descender, etc.)

58 Language
59 Currently linguistics has not introduced a single significant addition to the most
60 elementary facts of speech, but the field can now be brought up-to-date.
61 (Lg) (Physio) Mirroring, the tool is present in many more actions than usually assumed,
62 e.g., it serves infants to learn speech through hearing, not by imitation
63 (Lg) A rigorous proof of hard wiring of grammar that was advanced by N. Chomsky as
64 Universal Grammar
65 (Lg) The general basis of articulation of language and of specific languages something
66 that has never been known
67 (Lg) What is a syllable? It has been claimed impossible to define, but now it is finally
68 available and it is far from what has intuitively been surmised
69 (Lg) The General Lingual Matrix (GLM) – a universal tool which systematizes
70 grammar, vocabulary and cognition in language
71 (Lg) Tegulation, a fundamental process in speech production so far not noticed. Both the
72 GLM and tegulation rigorously support Chomsky's Universal Grammar
73 (LGg) OTC or organic taxonomy of consonants: a novel physiological systematization
74 of consonants and their interrelations so far not known0
75 (Lg) The remarkable mechanism which produces all other phonemes from three
76 essential phonemes by permutations using a 3x3 lingual matrix

77 (Lg) It is essential to know that the front and back parts of the tongue body alternate in
78 all lingual functions, such as in syllable generation, in voicing, etc.
79 (Lg) (Physics) Linguistics has never employed a standard engineering tool, the center of
80 mass to study synergistic forces in speech to understand complex muscular actions
81 (Lg) (Physiology) Cymatics and tegulation, two lingual wave mechanisms that rule
82 language flow, structure and word creation
83 (Lg) The effect of climate on speech, rectification of an overblown paper by Ian
84 Maddieson (<https://doi.org/10.1121/2.0000198>)

85 Physiology

86 (Physio) The physiological function of alternation – a ubiquitous action of central
87 control in the biological mechanism of human and other animals
88 (Physio) (Mind) (Evolution) Monosoma: all parts of body and mind constitute one
89 physical and mental mechanism like the workings of a clock or of a computer system –
90 with numerous examples, e.g. arms extended upwards open the palms, arms pointing
91 down close the palms, crossing the eyes stops thinking, North Europe dance with
92 pointed toes, Southern Europe and Asia dance flat footed, ethnic differences in topics of
93 food, etc.
94 (Physio) The human perception of the geomagnetic poles never known before can now
95 for the first time be demonstrated
96 (Physio) (Monosoma) (Mind) The three dermatomes of the head both anterior and
97 posterior when isolated relate directly to three mental states: directed externally, serving
98 attention and directed inwardly
99 (Physio) Abdominal and thoracic respiration in mind control is in part known in the
100 West
101 (Physio) Why the ascenders and descenders in lettering and print first appearing in the
102 Carolingian script are important with analogies in Asian scripts
103 (Monosoma) Hitting spoon or spatula against the edge of a pot after stirring: this is to
104 clean the spatula but it will happen even after other movements other than stirring: this
105 is a monosomatic reaction to the action of holding the utensil in a specific way
106 (Physio) (language) The ontology of speech in infants – supplanting the old and by now
107 overworked McNeillage's frame/content theory
108 (Physio) The mechanism of feeding – a detailed account that was so far incompletely
109 presented by research
110 (Physio) The thus far unknown h n m lingual nodes are the three centers of mass in the
111 tongue that connect to physical and mental functions
112 (Physio) Gesticulation – Why gesticulation exists and its role in speech production. Cf,
113 animal mouth opening changes in vocalizing.

114 (Physio) (Ergonomics) (Cognition) – Glottoregulation and use of the geomagnetic field
115 to ergonomically assists movements of the body
116 (Physio) Triplicities in the body and mind – it was never reported that a great many (at
117 least 150) organs and tissues are tripartite, an organization that also appears in cognition
118 (Physio) Why do we enjoy rhymes? It is rooted in cognition and facial musculature.

119 Physics

120 (Physics) Linguistics has never employed a standard tool of engineering and physics,
121 the center of mass to study synergistic forces in speech to understand complex muscular
122 actions.s
123 Fundamental differences between the behaviors of the right and left bodies thus far
124 unknown.
125 (Physics) (Mind) The center point and its surrounding (manifold) field – an engineering
126 element essential in synergistic studies
127 (Physics) (Mind and Body) Any movement is optimally comfortable and needs minimal
128 bodily or mental exertion as long as it is anchored on its particular center of mass. This
129 is the core anchoring employed by dancers, singers, and others that explains why they
130 can continue without difficulties with breathing and movement.

131 Mind, meditation

132 (Mind) (Biol) Combination of the elements of Western and Eastern sciences are
133 mutually complementing – Western science can supply scientifically supported
134 explanations of many established yogic and meditative behaviors and can enable bodily
135 and mental control with exactitude
136 (Mind) also belong here other functions appearing in this list
137

138 Technology

139 (History) (Technology) The accidental invention of the wheel, contrasting with the usual
140 assumption that it was a conscious act