FAIVA LOVA'A'ALO: PERFORMANCE ART OF ROWING

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As authors, we critique the performance art of faiva lova'a'alo rowing, which lies in proximity to the performance arts of faiva lovavaka boat-racing, faiva kakau swimming, faiva uku diving, and faiva faiifo surfing, specifically, and faiva faiifolau voyaging, faiva toutaivaka navigation, and faiva toutaiika deep-sea fishing and shallow-sea fishing, generally. The latter two, viz., deep-sea fishing and shallow-sea fishing, are known as faiva toutailoloto and faiva toutaimamaha, respectively. All the faiva faifolau, faiva toutaiika, faiva toutailoloto, and faiva toutaimamaha belong in the ha'a toutai professional class of long-distance navigators and both deep-sea and shallow-sea fishermen. The performance art of rowing, like the performance arts of boat-racing, swimming, diving, surfing, voyaging, navigation, and fishing, is concerned with the elements, notably, the waves and winds mediated by means of body, boat, and surfboard through connection and separation, i.e., intersection.

Tukupā Dedication

This essay is dedicated to the lasting memories of the ancient master rowers whose souls are in the deep past yet in front of us in the present. May they linger on, forever into the distant future, behind us in the present.

Talakamata Introduction

Koe lea Tonga heliaki Tongan Proverbial¹ Sayings

Koe liliulea 'Ingilisi 'ehe kau tufungatohi, English translation by the authors

Pata 'i lā kuo tu'u² Rejoicing in a Full-Blown Sail

The lea heliaki proverbial saying is derived from the performance arts of navigation and voyaging, and boat-racing (and canoe-rowing), when the sails are fully blown by favorable winds.

Tātā tuli vaka Beat the Drum, Race the Boat

The lea heliaki proverbial saying is derived from the performance arts of canoe-rowing and boat-racing, when the drummers beat the drum, encouraging the rowers or racers to give it their all.

Tā ē tā, tapa ē tapa Beaters to Beat, Shouters to Shout

The lea heliaki proverbial saying is derived from the execution of major social undertakings, such as the performance arts of war, and boat-racing and canoe-rowing, especially the beaters of the drums and shouters abetting the warriors, boat-racers, and canoe-rowers, giving their selves, minds, and hearts energy and power.

'Alo Mai Row on Here3

Koe ta'anga hiva lova'a'alo, A sung poetry of rowing⁴
Fakafatu/fakafa'u mo fakaafo/fakafasi 'ehe punake ta'e'iloa, Poetry and music composed by an anonymous poet.

Liliulea 'Ingilsi 'ehe kau tufungatohi, English translation by the authors

Kupu veesi 1 Verse 1
1. 'Alo mai, 'alo mai 1. Row on here, row on here
Ke tau tuli ki muivai⁵ Let's hurry to the water's end

He kuo tonga 'ae matangi He ko hono tahi, 'io he ko hono tahi Kupu veesi 2 1. 'Ae hoputu moe ngatala Fangamea pea moe 'anga Nofo 'o sio mei lalo maka Ha'u 'o kai kei mafana

The wind has been southerly
The sea is right, yes it is right
Verse 2
1. You hoputu and ngatala⁶
As your fangamea and 'anga⁷
Who watch from the rock crevices⁸

Come ye and feed while it's warm⁹

SOCIETY IS FORMALLY, SUBSTANTIALLY, AND FUNCTIONALLY ORGANIZED into different forms of human activity, linking nature, mind, and people. These forms of human functions constantly change at different rates over time and space, where they are historically altered and culturally ordered in the social process. Such forms of social activity are associated with different forms of knowledge and types of skills, which are historically constituted or composed in culture and dialectically communicated or transmitted through language, with culture and language functioning merely as human devices. In Tonga, most, if not all, forms of social activities are considered as forms of art, where subject matters under the creative process are made to be both beautiful and useful. While the needs for them are led by utility/functionality, when it comes to their actual making in the creative process, beauty/quality is made to take the lead, in that logical order of precedence, i.e., the more beautiful, the more useful and, conversely, the more useful, the more beautiful. Included in these forms of social activity and forms of art are 'a'alo rowing and faiva 'a'alo performance art of rowing. As respective types of human practice and artform, 'a'alo and faiva 'a'alo will be critically examined in the wider context of Tongan art, informed by the Indigenous Tongan Tā-Vā Time-Space Philosophy of Art (see Lear 2018; 'Ō. Māhina 2004b: 86–93), a derivative of the Indigenous Tongan Tā-Vā Time-Space Philosophy of Reality (cf. Anderson 2007; 'Ō. Mahina 2010: 168–202, 2017a: 105–32).

Filosofī Tā-Vā 'ae 'Aati: Time-Space Philosophy of Art

Given both its formality and generality, the Indigenous Tongan Tā-Vā Time-Space Philosophy of Reality enters all disciplinary practices and forms of social activities, with art as no exception (see Kaʻili 2019; Kalāvite 2019; A.N.M.Māhina 2004; Moa 2011). The Indigenous Tongan Tā-Vā Time-Space Philosophy of Reality has a number of general and specific ontological and epistemological tenets (see Kaʻili, Māhina, and Addo 2017: 1–17; also see Williams 2009); that tā time and vā space, as ontological entities, are the common medium in which all things exist, in a single level of reality; that tā time and vā space as epistemological entities are organized differently in different societies; that tā time is verb (or action-led) and definer of vā space which is, in turn, noun (or object-based)

and composer of tā time (see Kaʻili 2017b; 'Ō. Māhina 2017b: 133–53); that tā time and vā space are inseparable in reality; that all things in reality, i.e., nature, mind, and society, stand in eternal relations of exchange, giving rise to conflict or order; and that conflict and order are of the same logical status, in that order is itself a form of conflict, when two or more equal and opposite energies, forces, or tendencies meet at a common point, defined by a state of noa 0 or zero-point (see Kaʻili 2017b; 'Ō. Māhina 2005: 168–83; Potauaine 2010). Therein, art can be defined as a spatio–temporal, substantial–formal (and functional) transformation of the subject matters under the productive process from a condition of felekeu chaos to a state of maau order through sustained tatau symmetry and potupotutatau harmony to produce mālie/fakaʻofa beauty/quality (see 'Ō. Māhina 2008; Māhina and Potauaine 2010: 14–23; Māhina-Tuai 2010: 26–29).

Faiva, Tufunga moe Nimamea'a: Performance, Material and Fine Arts

Tongan art is generically divided into faiva performance, tufunga material, and nimamea'a fine arts (see Māhina, Dudding, and Māhina-Tuai 2010). Herein, different forms of social acvitities are variously classified as forms of art, as in the case of fānifo surfing, haka dancing, fo'uvaka boat-building, tātatau tattooing, koka'anga bark-cloth-making, and lālanga mat-weaving. As forms of art, in formal, substantial, and functional correspondence to forms of social acvitities, informed by tatau symmetry and potupotutatau harmony in the rhythmic production of mālie/faka'ofo'ofa beauty/quality, they are respectively known as faiva fānifo performance art of surfing, faiva haka performance art of dancing, tufunga fo'uvaka material art of boat-building, tufunga tātatau material art of tattooing, nimamea'a koka'anga fine art of bark-cloth-making, and nimamea'a lālanga fine art of mat-weaving. By means of gender affiliations, both faiva performance and tufunga material arts are predominantly tefito-he-tangata maleled, and nimamea'a fine arts are largely tefito-he-fefine female-based.

In Tonga, ako education and 'aati art are synonymous, in that both are aligned alongside each other as special ways of life, both based in the ha'a professional classes, as in the ha'a punake performance art of poetry, ha'a tufunga langafale material art of house-building, and ha'a nimamea'a koka'anga fine art of bark-cloth-making (see Ka'ili 2017a; 'Ō. Māhina 2008: 67–96; Māhina, Dudding, and Māhina-Tuai 2010; Potauaine 2010). The former, ako education, involves a tā-vā temporal–spatial and fuo-uho formal–substantial (as well as ngāue-'aonga, practical–functional) transformation of the human 'atamai mind and loto heart from vale ignorance through 'ilo knowledge to poto skill, in that logical order of precedence. The latter, i.e., 'aati art, engages in the production of tatau symmetry, potupotutatau harmony, and mālie/faka'ofo'ofa beauty/quality, in the subject matters under the creative process as fakafelavai intersecting or fakahoko connecting, and

fakamāvae separating entities, transforming them from a condition of felekeu/ fepaki chaos to a situation of maau/fenāpasi order. Both instances constitute the so-called "process" of both ako education and 'aati art, followed by their use as the "outcome" (see 'A. N. M. Māhina 2004; 'Ō. Māhina 2005: 168–83). While the 'aati arts as a form of ako education are primarily intended for their 'aonga/ngāue utility/functionality, i.e., their "outcome," when it comes to their actual production, faka ofo ofa beauty/quality primarily takes the lead over the former in the creative "process" (see 'Ō. Māhina 2008: 67–96). The whole rationale in this subtle shift in the axis of application and production is, the more beautiful, the more useful and, by the same token, the more useful, the more beautiful.

Tefito-he-loto-sino moe tefito-he-tu'a-sino: Body-centric and non-body-centric Arts

We will focus on faiva lova'a'alo performance art of rowing as a text in the broader context of the three artistic genres, that is, faiva performance, tufunga material, and nimamea'a fine arts divided into body-centred and non-bodycentred ways (see Potauaine 2010; 'Ō. Māhina 2008). While faiva performance arts are tefito-he-loto-sino, that is, body-centred, both tufunga material and nimamea'a fine arts are tefito-he-tu'a-sino, that is, non-body-centred. In faiva performance arts, they are both created and, by extension, performed by the body. For example, faiva fānifo performance art of surfing and faiva haka performance art of dancing are, contemporaneously, created then ridden (i.e., the surfboard is ridden) and danced by the body. On the other hand, both tufunga material and nimamea'a fine arts are created by the body outside of the body. In that respect, tufunga foʻuvaka material art of boat-building, tufunga tātatau material art of tattooing, nimamea'a koka'anga fine art of bark-cloth-making, and nimamea'a lalanga fine art of mat-weaving, for instance, are created by the body outside of the body. Such a non-body-centric distinction therefore hinges on the element of performance (see essays 1, 3, 6, and 7).

Faka'ofo'ofa moe 'Aonga 'oe 'Aati: Quality and Utilty10 of Art

The coexistence of both the faka ofo ofa/mālie quality/beauty, and aonga utility/functionality of art in Tongan art (and literature), where they are regarded as distinct yet related temporal–formal, spatial–substantial, and functional attributes, renders the distinction between art and craft in the existing literature highly problematic (see of Māhina 2008: 67–96). Such a problematic assumption suggests that the beautiful and the useful are formally, substantially, and functionally unconnected entities. The subject matters under the creative process are made to be useful and also to be beautiful. That is, the more beautiful

they are, the more useful they become, where the beautiful tends to withstand the test of tā time and vā space. Beauty is a function of both tatau symmetry and potupotutatau harmony, all of which are internal/intrinsic to art, thereby defining its quality, in contrast to its utility, dictated by its external/extrinsic use (see 'Ō. Māhina 2005: 168–83; Māhina-Tuai 2010: 26–29; also see Ka'ili 2019; Lear 2018). Also, arts are, in the existing literature, spatio–temporally divided into customary and contemporary arts, problematized by a sense of evolutionism. Tongan arts are holistically and historically classified into the three genres of arts, viz., faiva performance, tufunga material, and nimamea'a fine arts.

The internal/intrinsic and external/extrinsic qualities of art are related to its mālie/faka'ofo'ofa beauty/quality and 'aonga/ngāue utility/functionality. Its internal or intrinsic qualities include tatau symmetry, potupotutatau harmony, and mālie/faka'ofo'ofa beauty/quality. These qualities are concerned with "what art is," which is defined by the artwork. The external/extrinsic qualities of art basically consist of its use, i.e., the function it serves in the society at large. Such external/extrinsic qualities are connected with both "what art is by means of," i.e., art history, and "what art is for," i.e., art use, respectively informed by the social conditions in which art is produced and the human function it serves in society. By "what art is by means of" and "what art is for," reference is respectively made to the history of art and utility/functionality or social use of art (see essays 1, 3, 6, and 7). Furthermore, the impact of art on both performers and viewers alike, as in the case of the combined performance of faiva ta'anga performance art of poetry, faiva hiva performance art of music, and faiva haka performance art of dance, relates to the energy-type, fiery-like psychological-emotional feelings of māfana warmth, vela fieriness, and tauēlangi climatic elation, i.e., utility/functionality (see 'A. N. M. Māhina 2004; also see 'Ō. Māhina 2005: 168-83).

Tatau, Potupotutatau moe Faka'ofo'ofa: Symmetry, Harmony and Beauty

Tatau symmetry, potupotutatau harmony, and mālie/faka'ofo'ofa beauty/quality are intrinsic to Tongan art. Conflicts in the subject matters are mediated in the creative process, and they are symmetrically transformed from chaos to order through sustained harmony to create beauty. A number of artistic devices are used for the spatio–temporal, substantial–formal production of tatau symmetry, potupotutatau harmony, and mālie/faka'ofo'ofa beauty/quality, notably, mata eye or its mirror image, ava hole. Such a device is variously used across the three genres as mata'ipapa eye of the board or ava'ipapa hole of the board in faiva fānifo performance art of surfing, mata'ihui eye of the needle, or ava'ihui hole of the needle in tufunga tātatau material art of tattooing and mata'ikapa eye of the metal or ava'ikapa hole of the metal in nimamea'a lālanga fine art of mat-weaving. Potupotutatau harmony is a summation of tatau symmetry,

connected with the rhythmic production of faka'ofo'ofa/mālie beauty/quality. Both the words faka'ofo'ofa and mālie mean beauty, with the former applied to both tufunga material and nimamea'a fine arts, and the latter to faiva performance arts (see 'Ō. Māhina 2005: 168–83; Māhina and Potauaine 2010: 14–23).

Mathematically, a mata eye, or its symmetry/mirror-image, ava hole, i.e., point, is produced by the intersection of two or more kohi lines; a kohi line is a collection of mata eye or ava hole; and vā space is a summation of kohi lines, all as spatial entities, identities, or tendencies temporally-formally marked. All these distinct yet closely fakafelavai intersecting or fakahoko connecting and fakamāvae separating entities of mata eye or ava hole, kohi line, vā space are spatio-temporal. The mata eye or ava hole is the space where ivi energy (or opposing fetekeaki-fefusiaki forces) as me'a matter is most dense and intense. Symbolically, ivi energy as me'a matter is arranged into kula red and 'uli black, as in the mataafi eye of the fire or avaafi hole of the fire and matāmatangi eye of the winds or avamatangi hole of the winds, considered as matakula red eye or avakula red hole and mata'uli black eye or ava'uli black hole, respectively. Kula Red and 'uli black, or, for that matter, matakula red eye or avakula red hole and mata'uli black eye or ava'uli black hole, are dependent on the movement of ivi energy as me'a matter (or opposing fetekeaki-fefusiaki forces), where the former results in a loto-ki-tu'a inside-outside/inside-out motion and a tu'a-ki-loto outside-inside/outside-in movement of ivi energy as me'a matter.

Faiva Lova'a'alo: Performance Art of Rowing

The word 'a'alo is derived from the root word 'alo, both of which mean rowing. Likewise, both the words 'alo'alo and 'alofi are derivatives of the term 'alo, which also means rowing. As a form of social activity, 'a'alo rowing belongs in the genre of faiva performance arts, popularly known as faiva 'a'alo performance art of rowing. A'alo rowing and faiva 'a'alo performance art of rowing are generally featured in the specific contexts of faiva 'alopōpao canoe-rowing and faiva 'alovaka boat-rowing. Similarly, the performance arts of faiva fakatētēvaka and faiva lovavaka, both connected with the performance art of boat-racing, imply the use of the sails and winds by the sailor for sailing as opposed to the use of oars and manpower by the rower for rowing. There are also the individual faiva siu'a'alo performance art of fishing and rowing, and faiva 'alo'atu performance art of rowing and bonito-fishing, which are commonly associated with rowing and fishing.

Faiva Tau'a'alo: Performance Art of Rivalled Rowing

In addition to the aforementioned rowing-related forms of social activity and artforms, there also exists tau'a'alo rivalled rowing as a form of human practice

and form of art. Originally, tau'a'alo rivalled rowing as a form of social activity and an artform was connected with the sea. It has evolved over tā time and vā space, to poetry and dance as new performance arts. In its original form, the combined theme of both the song and dance was confined to such sea-based activities as fishing, diving, and sailing. Likewise, faiva tau'a'alo performance art of rivalled rowing has acquired new forms, notably, faiva ta'anga tau'a'alo performance art of rivalled-rowing poetry, faiva hiva tau'a'alo performance art of rivalled-rowing music, and faiva haka tau'a'alo performance art of rivalled-rowing dance. The common poetic, musical, and dance sea-related theme is now extended to include land-based activities such as title installations involving the coronations of Tongan kings, exclusively performed by the village of Holonga, in Vava'u.

Generally, under the faiva lovaʻaʻalo performance art of rowing are the specific faiva lovaʻalopōpao performance art of canoe-rowing, faiva ʻalovaka performance art of boat-rowing, and faiva tauʻaʻalo performance art of rivalled rowing. On the other hand, faiva fakatētēvaka and faiva lovavaka are commonly connected with the performance art of boat-racing. Both terms fakatētēvaka and lovavaka point to boat-racing. In addition, there is also the faiva faifolau performance art of voyaging. Although both rowing-related and racing-related performance arts are body-centred, they are merely differentiated by way of the former utilizing both the paddles/oars and manpower and the latter incorporating both the sails and winds. Similarly, the same applies to faiva haka, performance art of dance as a general category, which specifically includes, inter alia, faiva lakalaka performance art of lakalaka dance, faiva māʻuluʻulu performance art of māʻuluʻulu dance, faiva tauʻolunga performance art of tauʻolunga dance, and faiva meʻetuʻupaki performance art of meʻetuʻupaki dance.

One of the surviving ancient sung and danced poetry is me'etu'upaki, literally meaning "dancing-with-the-paddle-while-standing," which uses paki (or pate, fohe), miniature paddles as an extension of the body, has a bearing on the performance arts of faiva toutaivaka navigation and faiva faifolau voyaging. The whole composition is 25 verses long, with two kupu veesi verses as follows (see Helu 1999):

Lulu mo Lātū Lulu and Lātū¹²

Koe ta'anga hiva haka faifolau, A sung and danced poetry of voyaging Fakafatu/fakafa'u, fakahiva/fakafasi moe fakahaka/fakasino ehe punake ta'e'iloa, Poetry, music, and dance composed by an anonymous poet

Kupu/veesi 1¹³ Verse 1¹⁴

1. Ko Lulu ē! 1. Oh, there's divine Lulu!

(Ko Lulu $\bar{e}! \times 2$) (Oh, there's divine Lulu! \times 2)

Sua mai mate Let there be calm Fakapō sua mai Alas let the sea be (Sua mai \times 2) (Let it be \times 2)

Tūū! Tūū! Kupu/veesi 2 Verse 2

1. Ko Lātū ē! 1. Oh, there's divine Lātū! (Ko Lātū $\bar{e}! \times 2$) (Oh, there's divine Lātū! \times 2) Pe'i tonga mu'a Blow ye from the south Kae tokelau 'īā Then from the north $(\bar{I} \bar{a} \times 2)$

 $(Yea, yea, \times 2)$

Tūū! Tūū!

Lulu and Lātū were the ancient Tongan 'Otua Gods of navigation and voyaging, specifically of the tahi sea (or ngalu/peau waves) and matangi/avangi winds. These two kupu verses were the beginning of a lotu prayer of the toutaivaka navigators-voyagers and warriors, considered as kaivai,15 "eaters of the water," i.e., of the great moana ocean levu, lahi, tele, and nui to Lulu and Lātū seeking divine guidance and protection. It also talks about celestial navigational objects in the langi sky above and terrestrial landmarks in the tahi sea below (see Irwin 1981). It too talks about voyaging and paddling techniques, as well as ports of call, all the way from the tokelau-hihifo, northwest Moana Oceania where it all originated through Kiribati, 'Uvea and Futuna, Tuvalu, Sāmoa, and Fiji to Tonga in the tonga-hahake, southeast. On arrival in Tonga, a kava beverage was prepared and drunk, in the midst of great feasting, singing, and dancing of fakamālō thanksgiving to the Gods of navigation and voyaging, Lulu and Lātū for their divine guidance and protection in both merriment and celebration (see Helu 1999).

It is said that when they arrived in Tonga, the new arrivals took shelter in 'ana caves and ava'i'akau tree trunks, when it was out of necessity that they turned their vaka boat upside down as a fale house with four posts holding it above, under which they had kava. As a social and ceremonial institution, the kava was thus created at the fakafelavai intersection, or fakahoko connection and fakamāvae separation, of vaka boat and fale house, where the oval arrangement of the kava, vaka boat, and fale house are structural reflections of each other (see Fifita 2016; Holakeituai 2019; Moa 2011; Potauaine 2010; also see Van der Ryn 2012). It can be said that the vaka boat is a fale fakafo'ohake upside down house and, by extension, the fale house is a vaka fakafo'ohifo downside up boat, with the kava at the interface of vaka boat and fale house (see 'Alatini and Māhina 2009; Māhina and 'Alatini 2009a), 16 all collectively involving their fakatatau mediation as fakafelavai intersecting or fakahoko connecting and fakamāvae hydrodynamic, aerodynamic, and sociodynamic entities, identities, or tendencies (see essays 4 and 5).

The legend of the origin of kava and to sugarcane plants revolved around the sacrifice of Kava, the only daughter of Fevanga and Fefafa, which was authored by Lo'au, renowned for being the first material artist of social architecture and engineering (see Māhina and 'Alatini 2009a; also see 'Ō. Māhina 1992). It is a work of art and literature in faiva fakamamahi tragedy, which is concerned with the mediation of anga'i-manu animality and anga'i-tangata sociality, the outcome of which is fakamā shame, realized as the commission of an error in both thinking and feeling. This tragic story was associated with Momo, tenth Tu'i Tonga around AD 1200, who married Nua, daughter of Loʻau, Tuʻi Haʻamea. Their son was Lafa, eleventh Tuʻi Tonga, nicknamed Tuʻi Tātui for his extreme tyrannical rule. This story of faiva fakamamahi tragedy centred on the kona bitterness and melie sweetness of the kava and to plants, respectively. Metaphorically, it points to the social fact that, as far as deeds of lasting value are concerned, one has to first go through difficulties before reaping the benefits and secondarily, where the latter follows the former, in that logical order. The fale house is, in Tongan thinking and feeling, derived from the kelekele earth/soil, where fa'e mother and fa'ele birth are derivatives. All the kelekele earth, fa'ē mother, fā'ele birth, and fale house are as markers associated with anga'ifefine or fakafefine, femininity. Given that, in this context, the fale house is a vaka fakafo'ohifo, downside-up boat, it can be said that all three, viz., vaka boat, kava, and fale house are associated with the fefine woman (see Potauaine 2010).

Mata, Ava moe Faiva Lova'a'alo: Eye, Hole, and Performance Art of Rowing

Like all arts, whether they be faiva performance, tufunga material, or nimamea'a fine arts, faiva lova'a'alo performance art of rowing uses the artistic device of mata eye or ava hole in the form of mata'ifohe eye of the oar or ava'ifohe hole of the oar and mata'ivaka eye of the boat and ava'ivaka hole of the boat (see Potauaine 2010; Potauaine and Māhina 2010: 194–216). The exercise of such artistic devices involves the mediation of the fohe-tahi oar-sea and vaka-tahi boat-sea and fakafelavai intersections by means of fakahoko connecting and fakamāvae separating kohi lines and vā spaces, on the abstract level, and fakahoko connecting and fakamāvae separating fuo forms and uho contents, on the concrete level. The place where kohi lines commonly fakafelavai intersect is the mata eye or ava hole, which is the point where ivi energy as me'a matter is most powerful, concretely expressed by means of intersecting oars, boat, and sea (see Ka'ili 2017a: 62–71; 'Ō. Māhina 2017b: 133–53). Given that faiva performance arts are tefito-he-loto-sino body-centric, there is a requirement for a two-way,

continuous and smooth flow of ivi energy as me'a matter between the rower, oar, and boat, i.e., rower, rowing, and rowed.

While the mata eye or ava hole as an artistic device cuts across the three genres, namely, faiva performance, tufunga material, and nimamea'a fine arts for the production of tatau symmetry, potupotutatau harmony, and mālie/faka'ofo'ofa beauty/quality, it variously exists by other names, especially in the case of performance arts. In faiva ta'anga performance art of poetry, faiva hiva performance art of music, and faiva haka performance art of dance, for instance, the general artistic device of mata eye or ava hole for the mediation of the intersecting meanings, intersecting tones/notes, and intersecting bodily movements are, as specific artistic devices, called heliaki, tu'akautā, and hola, kaiha'asi or haka-funga-haka, respectively. As specific artistic devices, heliaki, tu'akautā, and hola further subdivide the existing intersections in human meanings, musical tones/notes, and bodily movements, symmetrically transformed and communicated through sustained harmony and beauty, with the effect of some psychoanalytic, hypnotic, or therapeutic nature.

Matakula-Avakula, Mataʻuli-Avaʻuli moe Faiva Lovaʻaʻalo: Redeye–Redhole, Blackeye–Blackhole and Performance Art of Rowing

In ethnographical terms, the movement of ivi energy as me'a matter is symbolized by kula red and 'uli black. When ivi energy as me'a matter moves from kula red to 'uli black, it forms a mata'uli black eye or ava'uli black hole and from 'uli black to kula red results in a matakula red eye or avakula red hole (see Potauaine and Māhina 2010: 194–216; Schmiedtova and Mertins 2002; Usukűla 2008). A matakula red eye or avakula black eye engages in a loto-ki-tu'a inside—outside movement of ivi energy as me'a matter and a mata'uli black eye or ava'uli black hole undergoes a tu'a-loto outside—inside motion of ivi energy as me'a matter. In faiva lova'a'alo performance art of rowing, as in faiva 'alopōpao performance art of canoe-rowing, the motion of ivi energy as me'a matter from kula red to 'uli black results in mata'uli black eye or ava'uli black hole, negotiated at the interface of the oars, boat, and sea. In a similar manner, the movement of ivi energy as me'a matter from kula red to 'uli black in faiva lovavaka performance of boat-racing, for example, is mediated within and across the crossings of the lā sails, vaka boats, matangi/avangi winds, and ngalu/peau waves.

The performance arts of faiva lova'a'alo rowing as a text, like those of faiva toutaivaka navigation, faiva faifolau voyaging, faiva toutaiika fishing, faiva lovavaka boat-racing, faiva fānifo surfing, faiva kakau swimming, and faiva uku diving, is conducted in the broader context of mata eyes or ava holes. This is done by way of the fakatatau mediation of the fakafelavai intersection or fakahoko connection and separation of the matangi/avangi winds and ngalu/peau waves.

Their fakatatau mediation is done by the pōpao canoe, as well as the fohe paddles, at the mata eyes or ava holes of the matangi/avangi winds and ngalu/peau waves as fakafelavai intersecting or fakahoko connecting and separating aerodynamic and hydrodynamic entities, identities, or tendencies. The same applies to the vaka boats, as well as lā sails, fohe paddles/oars, and fohe'uli rudders, in the case of navigation, voyaging, and fishing, as well as papa board and sino body by way of surfing and sino body by means of kakau swimming and uku diving. These are used as artistic devices for the fakatatau mediation of the mata eyes and ava holes, which are kupesi-design/motif-like, helix-like, vortex-led, and spiral-driven, as in plural and circular in their complexity of formation.

Hahake, Hihifo, Tokelau moe Tonga: East, West, North, and South

The subject matter explored here has a direct bearing on the four Tongan main divisions of the earth by virtue of orientation and direction, viz., hahake east, hihifo west, tokelau north, and tonga south. The multi-directional and multi-dimensional movements of a plurality of matangi/avangi winds and ngalu/peau waves, associated with the multiple flows of the 'au currents, are fakatatau mediated in alignment by means of orientation and direction to these relative fixed points, i.e., hahake east, hihifo west, tokelau north, and tonga south. These include their variations, such as tokelau-hahake northeast, tonga-hahake southeast, tokelau-hihifo northwest, tonga-hihifo southwest, and tokelau-tonga north-south. These correspond to a multiplicity of matangi/avangi winds as matangi/avangi tonga, tokelau, hihifo, and hahake or southerly, northerly, westerly, and easterly winds in both orientation and direction, as well as matangi/ avangi tō, taka, and taulua as both situational and behavioral. Also, these are in correspondence to such an infinity of waves as peau-tā¹⁷ and peau-tupukoso,¹⁸ which are varieties of breaking waves, and peau-kula¹⁹ "red waves" as a species of peau-ta'ane²⁰ and peau-tangata, ²¹ i.e., male waves (see Jeffery 2010; Potauaine and Māhina 2010: 194-216). The peau kula red waves are not kula red as such but rather a symbolic reference to the movement of ivi energy as me'a matter from the 'uli blackness (fakapo'uli darkness) of the interior of the volcano through the 'uli blackness (or fakapo'uli darkness) of the depth of the moana²² ocean to the kula redness (or mama lightness) of the surface (lighted up by the kula red fiery, burning la'ā sun).23

In Tongan philosophical thinking, feeling, and practice, the la'ā sun, māhina moon, and fetu'u stars revolve around the maama earth in varying rates (see Velt 1990). The la'ā sun, for example, hopo rises in the hahake east to the tokelau north 'olunga up above, then tō sets in the hihifo west, moving to the tonga south lalo down below, respectively defining the cycle of both 'aho day and pō night. The tokelau north and tonga south are also known as 'olunga up above

and lalo down below, both meaning tokelau north and tonga south, respectively, as in a voyage that is tō-ʻolunga ē folau or tō-lalo ē folau, a symbolic reference to one that is off-course, more northerly or southerly than being on-course. On the other hand, the māhina moon rotates around the maama earth once a māhina month for thirteen māhina months, making up the Tongan calendar. This goes to show that the respective cyclical movements of the laʿā sun and māhina moon are daily–nightly and monthly. All these celestial objects variously hold immense navigational, voyaging, fishing, boat-racing, surfing, swimming, and diving value, the plural cycles of which were enormously important to both the cultivation of crops and the domestication of animals.

Hema, hihifo, Mata'u moe Hahake: Left and West, Right and East

By virtue of Tongan tāvāist philosophical thinking and feeling, the historical is transcended to the metaphorical, where ontology is socially organized in terms of epistemology, as in tā time and vā space and fuo form and uho content, as ontological entities. By way of transcendence and organization, these ontological entities are humanly made in correspondence to such epistemological identities as kula red and 'uli black, la'ā sun and māhina moon, 'aho day and pō night, maama lightness and fakapo'uli darkness, and mo'ui life and mate death, which are, in turn, taken to be symbolically associated with tangata men and fefine women, respectively. The same is extended to both the directional and orientational divisions of the mama earth, where the Tokelau-hahake northeast and tonga-hihifo southwest, and by extension, 'olunga-mata'u up-above-right and lalo-hema down-under-left are symbolically taken as a fefine-tangata women-men and tangata-fefine men-women relationship, respectively. These apply to the motion of the celestial objects as much as the movement of the winds and waves, as in the following respective excerpts from two works of Tongan sung and danced poetry:

Hiva Afā ʻa Vaea Hurricane Song of Vaea²⁴

Koe ta'anga hiva haka fakamamahi, A sung and danced poetry of tragedy

Fakafatu/fakafaʻuʻe Kuini Sālote, Poetry composed by Queen Sālote Fakahiva/fakafasi mo fakahaka/fakasinoʻe Lavaka Kefu, Music and dance composed by Lavaka Kefu

Fai 'ehe Kau Hiva-Tāme'a Fuiva-'o-Fangatapu, Performed by Fuiva-'o-Fangatapu Choral-Instrumental Musical

Kupu veesi 1 Verse 1²⁵

1. Ne sikā'ahema fakahihifo 1. Veering to the left and westerly

Louloua'a ē matangi tō Kolongatata ne fakauō 4.'O falala'i Faka'osikato 'Ise'isa ē! Kao mo Tofua Vilingia hoto kie tāua Kuo hola'ae Fangailifuka 8. Tounoa ē Makakoloupua The fury and fire of striking winds While Kolongatata²⁶ was in jubilation 4. Leaning on Faka'osikato²⁷ in haste Alas! My beloved Kao and Tofua²⁸ My doubly-woven kie has blown away Both dear Fangailifuka²⁹ has fled 8. And Makakoloupua³⁰ deserted

Hema ē Matangi Left-Veering Wind³¹

Koe ta'anga hiva 'ofa moe fakamamahi, A sung poetry of love and tragedy

Fakafatu/fakafaʻuʻe Prince Tuʻipelehake (Fatafehi), Poetry composed by Prince Tuʻipelehake (Fatafehi)

Fakahiva/fakafasi 'e Pilinisesi Melenaite Tu'ipelehake, Music composed by Princess Melenaite Tu'ipelehake

Fai 'ehe Hiva-Tāme'a Ika-Koula-'a-Tāone mo Lavaka Kefu, Performed by Ika-Koula-'a-Tāone Vocal-Instrumental Musical and Lavaka Kefu

Kupu veesi 1 1. Hema ē matangi fakahihifo 'O ne ue'ia ē ngalu fānifo 3. Hangē ha sisi ne tui kako Ke kahoa pea no'o loto

Ke kahoa pea no'o loto
'O suei he peau tupukoso
6. Toke'one he vao fatai melo³³

Verse 132

1. Veering left was the westerly wind Causing the breaking surfing-waves 3. Like a waist-band finely hand-woven To proudly wear as my inner fragrance When I sway from unpredictable waves 6. Reaching the yellowish bush fatai leaves

Both of the two sung and danced poems above are a faiva fakamamahi tragedy, infused with elements of its opposite hoa pair/binary, faiva fakaoli comedy, which are respectively concerned with the mediation of anga'i-manu animality and anga'i-tangata sociality, and ngalivale absurdity and ngalipoto sociality. Whereas the first poem retells the powerful hurricane that struck Ha'apai (kupu/veesi verse 1, kohi/laini lines 1-2) and caught the inhabitants of Ha'afeva off guard (kupu/veesi verse 1, kohi/laini line 3), and continued the devastation of the whole group (kupu/veesi verse 1, kohi/laini lines 4-8) (see Wood-Ellem 2004), the second poem deals with both 'ofa love and fakamamahi tragedy, focusing on the formation of powerful fasi breaking waves fitting for masterful fanifo surfing (kupu/veesi verse 1, lines 1-2), taken with huge pride and joy by a skillful surfer and ridden with both elegance and excellence (kupu/veesi verse 1, kohi/laini lines 1-6). Herein, 'ofa love is made to equal mate death which is, in turn, made to equal faiva fakamamahi tragedy. Both poems make good

use of hema left and hihifo west, e.g., Ne sikā'ahema fakahihifo, Veering to the left and westerly (kupu/veesi verse 1, kohi/laini line 1), and Hema ē matangi fakahihifo, Veering left was the westerly wind (kupu/veesi verse 1, kohi/laini line 1), as opposed to their respective opposite hoa pairs/binaries, mata'u right and hahake east. As far as the hema left and hihifo west go, both cases are commonly concerned with tragic elements of faingatāmaki³⁴ danger, immediately, and, more so, with mate death and mamahi sadness, ultimately—in contrast to the variables of faingamālie³⁵ opportunity, resulting in moʻui life and fiefia happiness, as the chief concerns of faiva fakaoli comedy.

Moreover, the hema-mata'u left-right distinction and relation is clearly seen in especially the taumafa kava royal kava ceremony, where Lauaki (or Maliepō) and Motu'apuaka (or Molofaha) as principal orators are respectively seated on the hema left and mata'u right of the tu'i king, who presides over the whole event. Both Lauaki and Motu'apuaka belong in the ha'a matāpule professional class of oratory/orators, respectively divided into the Kau Ma'u as in Ma'ukakala and Ma'umatāpule and Kau Mafi as in Mafifatongiatau and Mafimalanga, among many others. While the faha'i hema left side is associated with mate death, mamahi sadness, and tengihia mourning, the fa'ahi mata'u right side is linked to mo'ui life, fiefia happiness, and kātoanga celebration. In terms of these distinctions, either Lauaki (and his Kau Ma'u) or Motu'apuka (and his Kau Mafi) take over as the chief conductor(s) of the ceremony.

Lomipeau the Legendary Double-Hulled Canoe: A Story of Comedy

The legend of the double-hulled canoe Lomipeau as a story of comedy was associated with 'Uluakimata 1, also known as Tele'a, twenty-ninth Tu'i Tonga, around AD 1600, with Lo'au also the playwright, who was well known as the first tufunga fonua material artist of social structure and engineering (see essay 7; also see 'Ō. Māhina 1992; also see Wood-Ellem 2004). As a great work of art and literature in comedy, it is basically concerned with the mediation of ngali-poto normality and ngali-vale absurdity, resulting in kata laughter, involving a celebration of the awareness of the mind and heart of the commission of an error in both 'ilo thinking and ongo feeling. This comic story mainly revolves around the lahi greatness of the Tu'i Tonga, especially the exertion of his mafai power and pule authority over his neighboring dominions, which included Fiji, Sāmoa, Futuna, 'Uvea, and far and beyond. The Tu'i Tonga used human services through his extensive pule'anga hau empire to extract materials from the neighboring dominions in the periphery for the building of the imperial center by means of his imperial fleet, led by the famous kalia double-hulled canoes Äkiheuho, Tongafuesia, and Takaipōmana, including the legendary Lomipeau (see 'O. Māhina 1992).

The Lomipeau was built in 'Uvea by 'Uveans for the transportation of stones from 'Uvea for the building of the imperial langi royal tomb of 'Uluakimata I or Tele'a, with the deployment of labor of 'Uvean tufunga fo'uvaka boat-builders and tufunga tāmaka stone-cutters. This langi royal tomb, built with fine craftsmanship, was named after Tele'a, popularly known as Langi Paepae-o-Tele'a. The celebrated lahi greatness of the Tu'i Tonga and his powerful rulership through his expansive imperial activities is borne in the name of the oversized double-hulled canoe Lomipeau, which literally means "Suppressor-of-waves." It is said that, upon the completion of building Lomipeau, due to its sheer size, the combined people of Tonga, 'Uvea, and Futuna could not launch the canoe to sea. So, an 'otua-mo-tangata, demigod from Fiji named Nailasikau³⁶ was assigned the onerous task, when he stood on the telekanga gunwale and mimi urinated down, which slowly moved the huge Lomipeau to sea. On her maiden voyage to Tonga with a canoe full of stones, manned by 'Uvean toutaivaka navigators, upon their arrival at Lapaha, in Mu'a, the imperial center, when the talafu fireplace was emptied, the efuefu ashes formed the offshore island of Mounu. On her way to Tonga'eiki, Tongatapu, or Tongalahi in Tonga en route to Ha'apai, it is said that the two high volcanic islands of Kao and Tofua could both easily fit under the huge fungavaka deck and between the two gigantic katea hulls (see Māhina and 'Alatini 2009b).

Talangata Conclusion

The division of Tongan art into faiva performance, tufunga material, and nimamea'a fine arts is suggestive of their tā-vā tempo-spatial, fuo-uho substantialformal (and 'aonga/ngāue practical-functional) variations on both the abstract and concrete levels across the three genres. However, the three artistic genres are collectively concerned with the production of tatau symmetry, potupotutatau harmony, and mālie/faka ofo ofa beauty/quality. All arts are therefore concerned with the mediation of ta-va time-space, fuo-uho form-content, and 'aonga/ ngāue practical-functional conflicts in the subject matters under the creative process, where they are transformed from a condition of felekeu/fepaki chaos to a state of maau/fenāpasi order through sustained tatau symmetry and potupotutatau harmony to create mālie/faka'ofo'ofa beauty/quality. The concerns with their functionality are a matter of secondary importance. Included here is faiva lova'a'alo performance art of rowing. As such, faiva tau'a'alo performance art of rowing involves the mediation of tensions at the points of intersection of the fohe oars, vaka boat, and tahi sea, resulting in the uninterrupted flow of ivi energy as me'a matter in tatau symmetrical, potupotutatau harmonious, and faka'ofo'ofa, mālie beautiful ways.

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NOTES

¹A form of special language within a language, which is temporally intensified and spatially reconstituted, it can be said that a proverb is a one-line poem and poetry is a collection of proverbs.

²Or lā-mākona, i.e., lā-tu'u, fully blown sail as opposed to lā-ngalemu partially blown sail.

³Originally, it was, like the fakatangi in faiva fananga, performance art of legend-telling, sung in the ongo, afo, or fasi fakafaʻahikehe, "sound, tone or tune of the other side, order or being," i.e., sound of death and of the dead.

⁴As a performance art of faiva 'alopopao/faiva 'a'alopopao canoe-rowing.

⁵As opposed to muʻavai as the water's origin, i.e., muʻa water's front; cf. muivai as the "water's back." The word vai is often used to specifically mean the water springs that flow into the sea, and to generally mean the tahi/tai sea. This is seen in the term kaivai literally meaning "eaters of the water" as a heliaki symbolic reference to the navigators–voyagers and fishermen as their common field of expertise.

⁶Types of ika fish.

⁷Types of ika fish.

8That is, hakau reefs.

⁹That is, by feeding on the mounu bait while it's fresh (as in toutaiika fishing).

¹⁰Or mālie/faka'ofo'ofa beauty/quality and ngāue/'aonga utility/functionality of art.

¹¹Tauʻaʻalo is also used as a hauling sung poetry, as in the execution of such major works as toho-vaka hauling vaka boat or toho maka stone-works, e.g., in the building of the 'otu langi royal tombs. As a faiva performance art, tauʻaʻalo hauling is unique to Holonga, where each of the kupu/veesi verses is the forte of respective kainga blood-related social units, sung with

a plurality of parts. This is related to the healing or therapeutic, hypnotic or psychoanalytic effects of especially hiva music.

¹²Originally, this twenty-five-kupu veesi verse piece was, like the fakatangi in faiva fananga and tauʻaʻalo in major physical works, sung in the ongo, afo, or fasi fakafaʻahikehe, "sound, tone or tune of the other side, order or being," i.e., sound of death and of the dead, though it is now, mostly, if not entirely, sung in the ongo, afo, or fasi fakafaʻahitatau, "sound, tone or tune of the same side, order or being," i.e., sound of life and of the living.

¹³The language is largely unintelligible to living Tongans, thought to be proto-Moanan Oceanian.

¹⁴Liliulea 'Ingilisi 'ehe kau tufungatohi, English translation by the authors.

¹⁵The word "kai," literally meaning to "eat," as in kaivai "eater of the water," is a heliaki metaphor for what one knows best and is good at, such as the toutai navigator, fisherman, considered to be warriors "waging war against the tai, tahi, sea," i.e., the elements, notably, Matangi/avangi winds and ngalu/peau waves.

¹⁶Besides the actual vaka boats, the sea mammals, the fonu turtles, and tofua'a whales, as well as manupuna birds like kanivatu, are heliaki symbolically featured as vaka vessels in mythology, poetry, and oratory (see 'A. N. M. Māhina 2004).

¹⁷Or ngalu-tā; see ngalu-taʻane ngalu-tangata male-wave; also ngalu-kula red wave as malewave—all as killer waves.

¹⁸Or ngalu-tupukoso.

¹⁹Or ngalu-kula. These powerful waves peau kula "red waves" are scientifically known as tidal, seismic sea waves and tsunami as "harbor waves" in Japanese. Given their sheer and raw power, they are also called ngalu-tāmate or peau-tāmate, "killer waves." The moana ocean is classified into moana loloto deep ocean, moana ta'e'iloa incomprehensible ocean, moana vavale immeasurable ocean, and moana 'uli'uli black ocean. The moana ocean is also described as vahanoa vast expanse of space, variously temporally–formally defined and mediated by depth, incomprehensibility, immeasurability, and blackness or darkness.

²⁰Or peau-ta'ane.

²¹Or peau-tangata.

²²The moana is also named moana 'uli'uli black ocean by virtue of its depth.

²³The laʿā sun is associated with kula red, as in kula ʿi moana red (or sun-burnt) in the ocean from fishing and kula vao red (or sun-burnt) in the bush from gardening.

²⁴Noble Vaea was governor of Haʻapai when she was stricken by this powerful hurricane in 1961. The eight-kohi/laini line three-kupu/veesi verses and eight-kohi/laini line tau chorus piece is heavily influenced by both the Tongan ongo, afo or fasi fakafaʻahitatau ("sound, tone or tune of the same side, order or being", i.e., sound of life and of the living) and the European major key. It features repetitions of two, two-line phrases corresponding to the verse and cho-

rus sections. This element of repetition is masked by slight melodic changes between both sections, and subtle rhythmic changes throughout.

²⁵Liliulea 'Ingilisi 'ehe kau tufungatohi, English translation by the authors.

 $^{26}\mbox{Heliaki},$ symbolic name for the island of Haʻafeva, which is inclusive 'Otu Lulunga Western Islands, in Haʻapai.

²⁷A chiefly place in Ha'afeva, used as a heliaki symbolic name.

²⁸High volcanic islands closely associated with Kotu and Haʻafeva islands, used as heliaki symbolic names for Haʻapai. Kotu is associated with such notable navigators–fishermen and warriors as Taumoepeau and Haʻafeva with Tuʻuhetoka.

²⁹Fangailifuka is also known as Fangaʻihesī and Fangafalikipako, all used as heliaki symbolic names for Pangai, Haʻapai.

³⁰A place in Tongoleleka at Pangai in Haʻapai, used as a heliaki symbolic name for Haʻapai.

³¹The six-kohi/laini line three-kupu/veesi verses make clever use of the melodic half tone or minor second interval (see Lear 2018 and Potauaine 2017 for discussion of the European half tone from the perspective of tuʻakautā as a Tongan music device). This is accompanied by an overall rising in pitch and harmonic dissonance, which are altogether resolved in the four-kohi/laini line tau chorus, as a shift from dissonance to consonance, tension to release, or conflict to resolution as forms of intersection and mediation, for the production of māfana, vela, and tauelangi, by way of tatau, potupotutatau, and mālie.

³²Liliulea 'Ingilisi 'ehe kau tufungatohi, English translation by the authors.

³³The leaves of the coastal shrubs of fatai, which are considered as kakala, and they become most beautiful as they age, when they slowly turn into melo/kena brownish and enga yellowish, variously called fatai melo, fatai kena, and fatai enga.

³⁴Or fakatuʻutāmaki.

35Or fakatu'umālie.

³⁶This story of faiva fakaoli comedy was retold by Queen Sālote in a sung and danced poetry lakalaka named after the Fijian protagonist "Nailasikau" as a celebration of this major collective feat (see Wood-Ellem 2004: 266–67).

NGAAHI MA'UNGATALA REFERENCES

Anderson, I.

2007 Space, time and the categories: Lectures on metaphysics 1949–50. Sydney: Univ. of Sydney.

'Alatini, M. H. M. and H. F. M. Māhina

2009 Fonu 'iloa ko Sangone [Sangone the legendary turtle]. Auckland: Kula-'Uli Publishing.

Fifita, M. L. H.

2016 Kava at the intersection of the fale and vaka. MA diss., Univ. of Auckland.

Helu, I. F.

1999 Critical essays: Cultural perspectives from the South Seas. Canberra: Journal of Pacific History.

Holakeituai, W. S. T.

2019 'A-tā, It's not what you say, it's where you sit. Master of Architecture (Professional) diss., Unitec, Auckland.

Irwin, G.

1981 Against, across and down the wind: A case for the systematic exploration of the remote Pacific islands. *Journal of the Polynesian Society* 98 (2): 167–206.

Jeffery, L.

2010 Niuatoputapu: Story of a tsunami. Nukuʻalofa: Tonga Books.

Ka'ili, T. Ö. (Maui-TāVā-He-Akó)

- 2017a Marking indigeneity: The Tongan art of sociospatial relations. Tucson, Arizona: Univ. of Arizona Press.
- 2017b Tāvani: Intertwining tā and vā in Tongan reality and philology. Special issue, *Pacific Studies* 40 (1/2): 62–78.
- 2019 The ancestors of the arts. In Crafting Aotearoa: A cultural history of making in New Zealand and the wider Moana Oceania, ed. K. Chitham, K.U. Māhina-Tuai, and D. Skinner, 23-24. Wellington: Te Papa Press.

Kaʻili, T. O. (Maui-TāVā-He-Akó), ʻÕ. Māhina (Hūfanga-He-Ako-Moe-Lotu), and P.-A. Addo (Kula-He-Fonua)

2017 Introduction: Tā-Vā (Time-Space): The birth of an Indigenous Moana theory. Special issue, *Pacific Studies* 40 (1/2): 1–17.

Lear, A. M. (Pā'utu-'O-Vava'u-Lahi)

2018 A study of traditional Tongan music using the Tā-Vā (time-space) theory of art. B.C.A. (Hons) thesis, Univ. of Wollongong.

Māhina, 'A. N. M.

2004 The transcendence of the finite in tragedy and Lakalaka: Explorations of ecstasy and the sublime through metaphysical comfort and Tau ē Langi. MA diss., Philosophy, Univ. of Auckland.

Māhina, H. F. M. and M. H. M. 'Alatini

- 2009a Ko e tupu'anga 'o e 'akau ko e kavá mo e Tō [The origin of the kava and sugarcane plants]. Auckland: Kula-'Uli Publishing.
- 2009b Kalia lahi fakatoukatea ko e Lomipeau [Lomipeau the giant double-hulled canoe]. Auckland: Kula-'Uli Publishing.

Māhina, 'Ō. (Hūfanga-He-Ako-Moe-Lotu)

- 1992 The Tongan traditional history Tala-ē-fonua: Avenaculars ecology-centred, historico-cultural concept. PhD diss., Australian National Univ.
- 2005 Tatau, potupotutatau and mālie: A realist reflection on the symmetry, harmony and beauty of Queen Sālote's poetry. In *Polynesia paradox: Essays in honour of Professor 'I. Futa Helu*, ed. I. Campbell and E. Coxon, 168–83. Suva: Institute of Pacific Studies, USP.
- 2008 From vale (ignorance) to 'ilo (knowledge) to poto (skill), the Tongan Theory of ako (education): Theorising Old Problems Anew. Special issue/special edition, AlterNative: An International Journal of Indigenous Scholarship 4(1): 67–96.
- 2010 Tā, vā, and moana: Temporality, spatiality, and indigeneity. Special issue, *Pacific Studies* 33 (2/3): 168–202.
- 2017a Time, space, and culture: A new tā-vā theory of Moana anthropology. Special issue, *Pacific Studies* 40 (1/2): 105–32.
- 2017b Tākohi: Drawing in Tongan thinking and practice. Special issue, *Pacific Studies* 40 (1/2): 133–53.

Māhina, 'Ō., J. Dudding, and K. U. Māhina-Tuai (eds.)

2010 Tatau: Fenapasi 'oe fepaki [Tatau: Symmetry, harmony & beauty: The art of Semisi Fetokai Potauaine]. Auckland: LRS Publishing.

Māhina, 'Ō., and S. F. Potauaine

2010 Tatau: A ta-va (time-space) transformation. In *Tatau: Fenāpasi oe fepaki [Tatau: Symmetry, harmony, & beauty: The art of Semisi Fetokai Potauaine*], ed. 'O. Māhina, J. Dudding, and K. U. Māhina-Tuai, 14–23. Auckland: LRS Publishing (NZ).

Māhina-Tuai, K. U.

2010 Tatau: Mediation of kohi-va (line-space) intersection. In *Tatau: Fenāpasi oe fepaki* [*Tatau: Symmetry, harmony, & beauty: The art of Semisi Fetokai Potauaine*], ed. 'O. Māhina, J. Dudding, and K. U. Māhina-Tuai, 26–29. Auckland: LRS Publishing (NZ).

Moa, B. S. T.

2011 Langi royal tombs: The beginning of Tui Tonga architecture. Master of Architecture diss., Univ. of Auckland.

Potauaine, S. F. (Tavakefai'ana)

- 2010 Tectonic of the fale: Four-dimensional, three-divisional. MA. Diss., Univ. of Auckland.
- 2017 Symmetry as conflict mediation of line-space intersection. Special issue, *Pacific Studies*, 40 (1/2): 154–79.

Potauaine, S. F. (Tavakefai'ana). and 'Ō. Māhina (Hūfanga-He-Ako-Moe-Lotu)

2010 Kula mo e 'uli: Red and black in Tongan thinking and practice. In *Tonga: Land, sea, and people*, ed. T. Steen and N. Drescher, 194–216. Tonga: Tonga Research Association.

Schmiedtová, V., and B. Mertins

2002 The color spectrum in language: The case of Czech. Cognitive concepts, new idioms, and lexical leanings. In *Proceedings of the 10th International Symposium on Lexicography*, ed. H. Gottlieb, J. E. Mogensen, A. Zettersten. Max Niemeyer Verlag: 285-92.

Usukűla, M.

2008 The basic colour terms of Czech. Trames 12 (62/57) 1: 3-28.

Van der Ryn, F. M. G.

The difference walls make: Cultural dynamics and implications of change in Sāmoan architectural traditions and practices (1940–2006). PhD diss., Univ. of Auckland

Velt, K.

1990 *Koe ngaahi fetu'u 'o Tonga [Stars of Tonga*], trans. by 'I. F. Helu. Nuku'alofa, Tonga: 'Atenisi Univ. Press.

Williams, N. A.

2009 A view from the back, times between spaces: Equality of opportunity and Pacific students at the University of Auckland. PhD diss., Univ. of Auckland.

Wood-Ellem, E. (ed.)

2004 Songs and poems of Queen Sālote, trans. M. Taumoefolau, with essays by HRH Princess N. Tukuʻaho, A. Kaeppler, E. Wood-Ellem, and M. Taumoefolau. Tonga: Vavaʻu Press.

KOLOSALIO GLOSSARY

'A'alo rowing

'A'alo, faiva rowing, performance art of

Aati art Afā hurricane

Afo harmony, simultaneous pitch

Ako education

'Alopōpao faiva form of bonito-fishing canoe-rowing; see 'a'alopōpao canoe-rowing, performance art of

'Ana cave 'Anga shark Angaʻi-manu animality Angaʻi-tangata sociality

'Aonga utility; see use, function; ngāue

Ava hole; see mata eye

Ava'i'akau tree trunk

Avaʻihui hole-of-the-needle Avaʻikapa hole-of-the-metal-blade Avaʻipapa hole-of-the-surf-board

Ava kula red hole

Avāmatangi hole-of-the-wind; see matāmatangi

eye-of-the-wind

Avangi wind; see matangi

Ava 'uli black hole

Faʻahi hema left side; left-sided

Fa'ahikehe, fakafa'ahikehe side-of-a-different-order, i.e., of death and the

dead

Fa'ahi mata'u right side; right-sided

Fa'ahitatau, fakafa'ahitatau side-of-the-same-order, i.e., of life and the

living

Faifolau, faiva voyaging, performance art of; see toutaivaka,

faiva

Faiva performance art/artist

Fakafasi composer of music, instrumental music or

vocal music with instrumental accompaniment

fakafatu composer of poetry fakafa'u composer of poetry

Fakafelavai intersection

Fakahiva composer of music, vocal music

Fakahoko connection
Fakamā shame
Fakamālō thank

Fakamamahi, faiva tragedy, performance art of

Fakamāvae separation

Fakaʻofoʻofa new word for beauty
Fakaoli, faiva comedy, performance art of

Fakatatau mediation
Fakatuʻumālie opportune
Fakatuʻutāmaki danger; accident
Fangamea type of fish

Fānifo, faiva surfing, performance art of

Fasi tone; tune, air, melody, sequential pitch; leading

voice

Fasi, faiva music, instrumental music or vocal music, per-

formance art of; see faiva

Fefusiaki pull

Felekeu chaos; disorder

Fenāpasi order Fepaki conflict Fetekeaki push

Fetekeaki-fefusiaki push-pull as equal and opposite forces

Fetu'u star

Filosofi philosophy
Fuo form

Fuo-uho form-content

Ha'a professional class; social unit

Ha'a faiva professional class of performance arts/artists

Ha'a nimamea'a professional class of fine arts/artists

Ha'a punake professional class of poets

Haʻa toutai professional class of navigators and fishermen
Haʻa tufunga professional class of material arts/artists
Haʻa tufunga langafale professional class of house-builders
Hahake east; see tangata man; mataʻu right; tokelau

north

Haka dance

Haka, faiva dance, performance art of; dancer Hakafungahaka dance device; see hola and kaiha'asi

Heliaki artistic (and literary) device

Hema left; see fefine woman; hihifo west; tonga south

Hihifo west; see fefine woman; hema left

Hiva tone; song, sing

Hiva, faiva music, vocal music, performance art of; see

faiva, fasi

Hoa pair; binary; soa in Sāmoa

Hola dance device; see kaiha'asi and hakafungahaka

Hoputu type of fish 'Ilo knowledge Ivi energy

Kai eat; also knowledge, skill

Kaihaʻasi dance device; see hola and hakafungahaka Kaivai "eater-of-water" knowledgeable and skillful

navigator or fisherman

Kaokao gunwale; see telekanga

Kata laughter Kohi line; see laini

Koka'anga, nimamea'a bark-cloth-making, fine art of

Kolosalio glossary Kupu verse; see veesi

Lā sail La'ā sun

Laini line; see kohi

Lakalaka type of poetry, music and dance Lakupoto skillfully oriented; right-handed

Lakuvale ignorantly, foolishly oriented; left-handed

Lālanga mat-weaving, fine art of

Lalo down-under; south; see hihifo west; tonga

south; hema left

Lā-mākona full-blown sail; see lā-tu'u

Lā-ngalemu part-blown sail

Lā-tu'u full-blown sail; see lā-mākona

Loto desire; heart; inside

Loto-ki-tu'a inside-out as in movement of ivi energy as me'a

matter

Lotu worship; religion; pray; prayer

Lova'a'alo racing-rowing

Maau order

Māhina moon; month Maka rock; stone

Mālie old word for beauty Mata eye; see ava hole

Mata-ava eye-hole

Mata'ihui eye-of-the-needle Mata'ikapa eye-of-the-metal-blade Mata'ipapa eye-of-the-surf-board

Mata kula red eye

Matāmatangi eye-of-the-wind Matangi wind; see avangi

Mata'u right; see tangata man; hahake east

Mata 'uli black eye
Ma'ungatala reference
Me'a matter

Me'etu'upaki type of poetry, music and dance

Mimi urinate

Muʻavai water's origin, i.e., water's front; see muivai Muivai water's end, i.e., water's back; see muʻavai

Ngalipoto normality Ngalivale absurdity Ngalu wave; see peau

Ngalu kula red wave; see peau kula red wave

Ngalu tā breaking wave Ngatala type of fish

Ngāue functionality; use, function; see 'aonga

Nima hema, toʻohema left hand; left-handed Nima mataʻu, toʻomataʻu right hand; right-handed

Noa 0, zero-point

nota Tonganization of "note" in music

'Ofa love

'Olunga up-above; see tokelau north; hahake east;

mata'u right

Ongo sound; see hearing, feeling

'Otua god; deity Pata rejoice

Peau wave; see ngalu

Peau kula red wave; see tidal wave; tsunami; peau tangata,

peau ta'ane male wave; peau tāmate killer wave

Peau ta'ane male wave; see peau tangata male wave; peau

tāmate killer wave; tsunami

Peau tangata male wave; see peau ta'ane; peau tāmate killer

wave

Poto skill Potupotutatau harmony Pule'anga hau empire

Sikā'ahema type of wind direction, i.e., javelin-throw-

ing-like westerly wind

Siu'a'alo, faiva rowing-fishing, performance art of; form of

fishing

Tā time

Tai sea; short of tahi sea as in tautai, toutai, i.e., tau-

tahi, toutahi

Talafu fireplace
Talakamata introduction
Talangata conclusion

Tāmaka, tufunga stone-cutting, material art of; stonemason

Tapa shout; exclaim

Tātā drum-beating repeatedly

Tātatau, tufunga tattooing, material art/artist/tattooist of

Tatau symmetry

Tauʿaʿalo, faiva rivalled rowing, performance art of type of poetry, music and dance

Tā-vā time-space female-based/led Tefito-he-fefine male-based/led Tefito-he-tangata Tefito-'i-loto-he-sino body-centred Tefito-'i-tu'a-he-sino non-body-centred Telekanga gunwale; see kaokao Telinga hema, toʻohema left ear; left-eared Telinga mata'u, to'omata'u right ear; right-eared

Tokelau north; see 'olunga up-above north Tonga south; see lalo down-below south

Toutaiika fishing

Toutaiika, faiva fishing, performance art of

Toutaivaka, faiva navigation, performance art of; see faifolau,

faiva

Tu'akautā music device

Tuʻa-ki-loto outside-in as in movement of ivi energy as meʻa

matter

Tufunga material art/artist

Tufungatohi author
Tukupā dedication
Tuli racing; chasing

Vā space Vaka boat