



Research Paper

Education for creations: Based on individual personality (DNA) and preference

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ABSTRACT

Education should not cause any stress for teachers and students, but rather be preferred based on personality and keeping good health without suffering depression, bullying and school rejection. The three stages of human life that need to be educated are defined as follows: The first is the physical life; the second is the spiritual and mind life, which we share with animals, with differences to a certain degree. The third stage of life is specific to humans. Thus each human DNA is unique as the environment in which the genetic code expresses itself. Individuals may thus have a unique purpose in life that need to be discovered. Creative practices, as expressions of preference, can be realized throughout the individual lives. We emphasize here the original creativity for third stage of life, with preferred individuals activity resonating with personality driven by DNA, and temporal and spatial objectives associated with the left and right cerebral hemispheres, respectively (Ando, Brain-Grounded Theory of Temporal and Spatial Design in Architecture and the Environment. Springer, Tokyo, 2016). DNA is unique throughout time and space; therefore, unique education should be fundamentally reconsidered. Generally, subjective preference is regarded as a primitive response of living creatures that entail judgments that steer an organism in the direction of maintaining life, so as to enhance its prospects for survival, which never means competition and argument. All individuals may cover together all of fields needed for health, maintaining environments and keeping peace in the whole world. To bring a future age of human life into reality, it is desired to understand mankind itself better with the third stage of life. The question of how many years mankind will be able to survive is the primary factor of individuals and social concern. First, we discuss a particular example of an environment supporting the third stage of life as the creative workspace (CWS), to be designed to activate the left and right cerebral hemispheres by introducing two different panels. Second, dynamical theory of preference of life amid various stressors is discussed. Finally, in this article, we propose from globalization of majority-based society to individual based society.

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Key words: Third stage of life, unique personality (DNA), individual education, the liberation of individuality, creative workspace (CWS), dynamical theory of preference of life amid various stressors.

GLOSSARY AND DEFINITIONS

Definition of time

Benjamin Franklin said, 'Time is money.' The purpose of this phrase was to encourage young people to spend more time on working. However, the phrase has become a standalone, encouraging all that is inhumane in the world. Endeavors

are chiefly steered by competition toward who attains more monetary wealth not only at individual but also national level. These competitions have repeatedly resulted in global economic wars and extensive environmental destruction.

The Industrial Revolution of the eighteenth century idolized speedy transportation to support mass industrial production and yielded extensive environmental disorder such as the unrestrained discharge of carbon dioxide which has become the most influential greenhouse gas causing global warming today. The results include weakening of survival power and increase of ecological and individual suffering in the form of, for example, serious cancers, cognitive impairment and pathogenesis by coronavirus.

Now is the turning point from the first and second stages of life, which we share with other animals, to the third stage of life, which is unique to humans. Time consists of the following three stages of life (Ando, 2016):

- 1) Life of body,
- 2) Life of mind, and
- 3) Life of original idea and creation, which are based on unique individual personality. This is called the third stage of life, which may persist long after the individual life has passed on. There is a possibility of the fourth stage of life, if and when an individual creation is integrated into culture by future generations (Figure 1).

Definition of personality

The factors that influence the development of personality are clearly indicated in Figure 1. DNA has been developing for a long time since the Big Bang, acting as a seed for individual personality, which is like the flower of a plant. Just as a plant needs the right environment to reach full bloom, so is the temporal and spatial environment important for a human to reach full potential. The significance of designing preferred environments to support individual development of the 1st and 2nd stage of life and even more so, the 3rd stage of life of creations cannot be overemphasized.

Individual preference

Individual preference is the most primitive response of living creatures that steers an organism in the direction of maintaining life, so as to enhance its survival power. Also, a judgment of individual preference is regarded as a basic response reflecting aesthetic value. If various stressors exist, one may lose individual survival power against serious diseases and many viruses, including coronavirus.

Specialization of cerebral hemispheres-based theory of designing sound fields and visions

The auditory preference model consists of two kinds of internal representations of sound based on the autocorrelation- and cross-correlation-like structures. The

autocorrelation function (ACF) describes the monaural and temporal signal at each of the two ears, while the interaural cross-correlation function (IACF) describes the binaural and spatial signals arriving at the entrances of the two ears. It is remarkable that temporal sensations such as loudness, pitch, duration and timbre are well described by the temporal factors extracted from the ACF of the sound signal, and spatial sensations, such as localization, apparent source width (ASW) and subjective diffuseness, are described by the spatial factors extracted from the IACF (Ando, 1985, 1998, 2007, 2009).

The information corresponding to subjective preference of sound fields was found in the effective duration of ACF of the alpha waves in both electroencephalographic (EEG) and Magnetoencephalographic (MEG) recordings. The repetitive feature of the alpha wave, as measured in its ACF, was observed at the preferred condition. This evidence affirms that the basic theory of subjective preference may be applied to individual preference as well. We have reconfirmed by analyzing the MEG recordings that the left cerebral hemisphere is associated with the temporal factors of the sound field, and the effective duration of the ACF alpha wave directly corresponds to the scale value of individual subjective preference. The right cerebral hemisphere was activated by the typical spatial factors, that is, the magnitude of interaural cross-correlation (IACC) and the listening level (Ando, 2009).

The theory of subjective preference was developed first with auditory perception in mind; it can plausibly be extended to predict subjective preferences in analogous dimensions of visual perception. Thus, analogies can then be drawn to temporal and spatial sensations of vision, as well as for subjective preferences of visual environment.

For example, the most preferred condition of a flickering light is expressed by the temporal factors extracted from the temporal autocorrelation (ACF) of the modulated light stimulus. Auditory and visual percepts have been well described in terms of the temporal and spatial factors associated with the left and right human cerebral hemispheres, respectively (Ando, 2016). The left hemisphere of our brain is always reacting to temporal factors, and the right hemisphere is constantly reacting to spatial factors. These facts are bases for the design theory as shown in Figure 1.

Visuality and spatiality are normally considered the main foci in architectural and sculptural creative expressions. By the 'dynamical theory' of preference for maintaining survival power amid various stressors, we would like to expand on the subjective preference theory and initiate an approach to artistic and/or any environmental form through design according to preference. To examine this theory in daily life, stressors and preference factors were analyzed to determine dialysis introduction age (DIA) or dialysis onset age based on a questionnaire, which was distributed to patients attending a hospital in Kobe, Japan (Ando, 2018a,b).

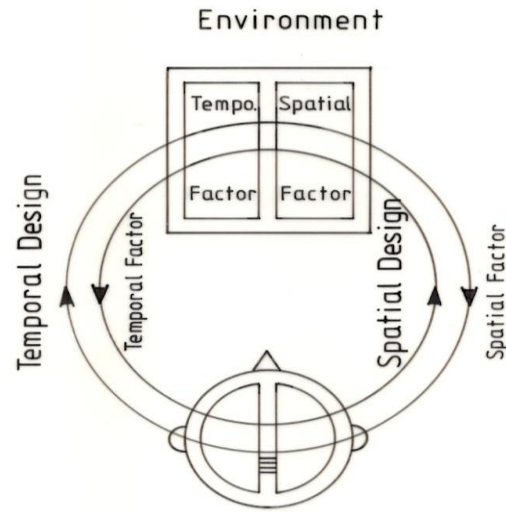


Figure 1: Interaction between an environment consisting of temporal and spatial factors and the left and right human cerebral hemispheres, respectively. This is the ground theory for designing architecture and the environment as well as artistic works. Well-designed environments such as these, realized according to the subjective preference theory, induce further creations developing individual personality (Ando, 2016).

CWS (Creative Work Space)

It consists of 'three distinct panels', specializing in left and right hemispheric tasks, and an information-communication system for the integration of knowledge. The left hemispheric task is a temporal process such as writing, reading, speech hearing, calculation, and logical considerations. The right hemispheric task is a spatial process including pattern recognition, spatial formation, drawing, painting, clay modeling, making scale models and non-verbal communications. The promise of these workspaces lies in the generation of multi-dimensional ideas. This differs from the usual one-dimensional working space, which might create only 'one-dimensional', or linear ideas. It is quite natural to expect similar ideas to stem from one-dimensional space. Eight users reported that the total quality of the CWS system was 2.5–15 times (mean value: 5 times) better than one-dimensional desks, which they had been using, and work efficiency increased by 2–15 times (mean value: 3 times). All users reported their efficiency increased by 2 times at least. Verbal and non-verbal materials previously created by a user, which are displayed on the walls around the three panels, may induce further creations.

INTRODUCTION

We emphasize here the original creativity for the third stage of life, preferred individuals activity resonating with

personality associated with DNA, and with the left and right cerebral hemispheres, respectively, temporal and spatial objectives (Ando, 2016). Generally, subjective preference is regarded as a primitive response of living creatures that entail judgments that steer an organism in the direction of maintaining life, so as to enhance its prospects for survival. Balance of creations and recreations in individual life is highly recommended. Preference is not luxurious; therefore, it may deeply be associated with the base of aesthetics. This article introduced our inherent, built-in survival power by means of dynamical theory of individual preference amid various stressors of life (Ando, 2020).

For temporal design of the human environment, three stages of life are considered here, which is granted to each individual personality driven by DNA. The first is the physical life, and the second is the spiritual and mind life. These two are common to animals; the differences are just to certain extent. The third is very human as shown in [Figure 2](#); the noblest among the three.

All individuals may cover together all of fields needed for health, maintaining environments and keeping peace in the whole world. It is lucky and wonderful facts to have all individuals born with different DNA, thus different personality available for obtaining original idea and creations (third stage of life) throughout time and place ([Figure 3](#)). This is individual true preference and the most powerful survival power.

It goes without saying that science and art are always immature, because none is limited and ever under

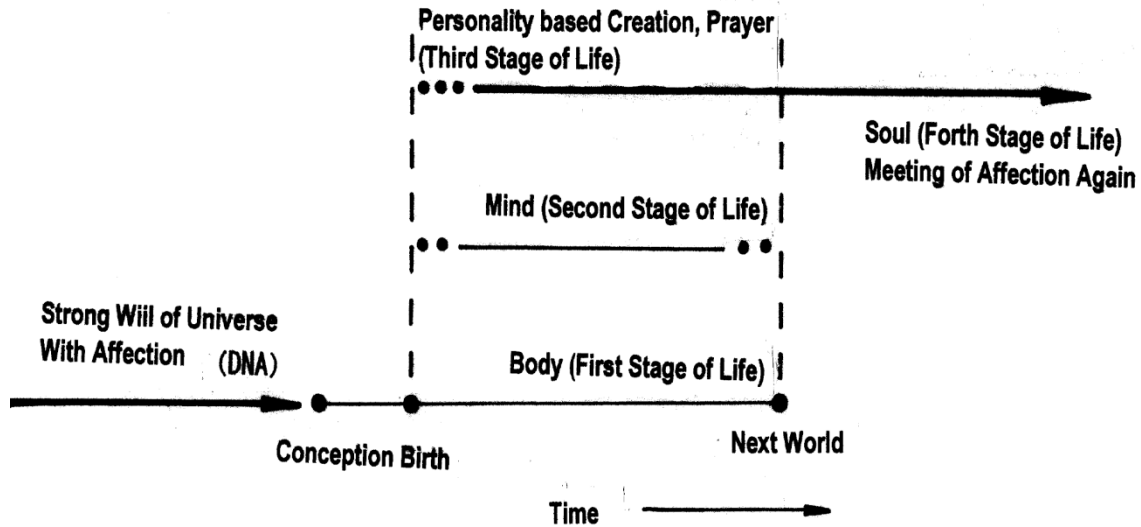


Figure 2: Three stages of human life defined, which are taken into consideration in designing the preferred temporal and spatial environments (Ando, 2016). Human life consists of 1) life of body; 2) life of mind, and 3) life of original idea and creation is based on a unique individual personality that may persist long after the individual has passed on. The third stage of life is the most unique and joyful to human that makes philosophically wider and lives longer than the first and second stages of life. The third stage of life could be outgrown to the forth stage of life if it will be accepted by future generations (Danjo, 2014).

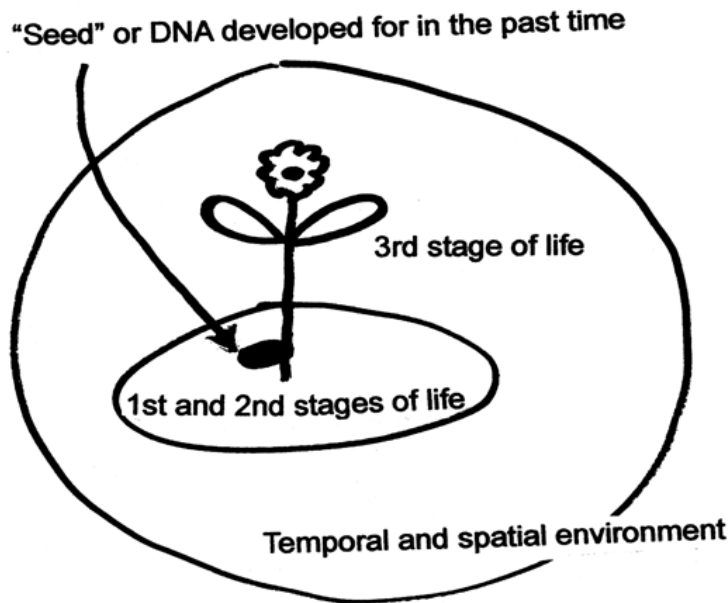


Figure 3: Three stages of life to be educated and development of the third stage of human life originated from individual personality (DNA) "seed" that is nurtured by the first and second stages of life in preferred temporal and spatial environment (Ando, 2016). Everyone is a genius because of different DNA given by Nature. Personality (DNA) for unique idea and creation may be well developed and effloresced like a flower of plant. This is the third stage of life and great possibility to remain as a parting gift to be the forth stage of life (Danjo, 2014). There are huge numbers or rather infinite countable numbers of fields are unknown to be clarified by individuals who are existing in the earth, about 7.55×10^9 at present time, 2020.

developing. They say that the 19th and 20th centuries were the era, in which technology made rapid progress. However, there existed all sorts of destructions behind such progress as a result. Those were namely environmental destructions and wars. It was probably because we were overconfident about science and technology, which was merely a tool for mankind. To make a coming age of human life into reality, it is desired to understand mankind itself better with the third stage of life. On this account, we should prepare an environment where every man's sensitivity do not incline to technology but include science and art that can be enhanced.

The question of how many years mankind will be able to survive is the primary factor of individuals and social concern. There have been major wars under the plea of the racial liberation, religious liberation or the liberation of a state, and such possibility cannot be denied at present. Therefore, we hope to make "liberation of unique individuality (the third life)" one of ultimate objective of this article. The liberation of individuality here means to accept diverse valuable individualities of yours and others, and cultivate creativity, which can only be achieved by each individual potential (Figure 3).

A well-designed environment would be a meeting place for art (aesthetic) and science, and, in turn, may help to discover the individual personality as the minimum unit of society. Everyone is a genius because of different DNA given by Nature for long time. Temporal and spatial factors associated with the left and right cerebral hemispheres, respectively, may be well designed blending of a built environment and the Nature (Ando, 2009, 2016). Such environments, in turn, may help for development of human cerebral hemispheres, especially from the very beginning of life to about three years of age. It is said that the soul of a child of three years old is the same after hundred years old.

Space (land) was thought to be a personal possession, and time was thought to be equal in the past. But in fact, space including environment is something common to all mankind from generation to generation, and time does belong basically to individuals. It is ideal to build environment as well as a society where people can enjoy healthy physical, spiritual and individual time for assisting original idea and creation, ex. by utilizing the creative work space, CWS (Ando, 2016: 3).

Above all, we would like to define the nurture of creativity (making a contribution generation after generation) originating in individual time, which is unique to mankind, as the liberation of individuality. In other words, there are mysteries solvable only by each person's individuality due to different personality (DNA) and different viewpoint, which will never be generated again. Such a solution may only gain its eternal value once it is unveiled, but it is no exaggeration to say that those mysteries remain unsolved if solutions were unfound as a result of uniform education.

Mysteries of this sort exist in a place of every human activity, and providing a place for each individual to nurture

a task, given to him/her and sprout out at their heart shall be the starting point of education and creation (Figure 4). We believe that this kind of education will be ultimately established, so that human and global environment (time and space) contribute to a healthy development of culture and science. For the above reasons, it is ideal to liberate the original individuality from all idol worships of mere economic efficiency, status, reputation and so forth. Such idea of an individual liberation will not only be a process towards peace as it entails mutual respects but also hold hidden potential of becoming the path to protect all lives from environmental destructions. To develop individual personality and creation and any activity, we are attempting to provide a temporal design of education for the third stage of life as a hope for living, in addition to the first and second lives. That might be a base of each individual and development of healthy society and environment (Figure 5).

It is worth noticing that the dimension of the head of newborn babies is relatively large because this part is initially developed in the body. If we consider analogy of this, it is highly recommended that the facilities related to human brain should be the first designed in house and urban, such as a museum, a concert hall, a library, a church, a temple and an institution, which may act as an important role for developing the third life of the individual.

There are tremendous numbers of different fields to be conducted by each individuals, so that total fields of human beings covers all of necessary for all of creatures. Well educated and/or deeply understanding the third stage of life of individuals may not create, for example, any nuclear and biological weapons that terminate human beings and any creatures (Table 1).

Creative work space (CWS) for self- research activities

All healthy creations based on the unique personality of the individual may contribute to human life for a long time as culture. It is highly recommended, therefore, that the environment be designed for the following three stages of human life defined explicitly in the Introduction.

Designs for body and mind are well known, and we have these in common with animals. However, they do not suffice for the third stage of human life to blossom. A well-designed environment would be a meeting place for art and science associated with both hemispheres. This might, in turn, help in the ongoing and future discovery of the individual personality (DNA) as a minimum unit of human society. Any person can find and allot at least a short while in their everyday to think about what their unique personality is, and what the most interesting theme for spare time would be throughout their life. This includes time after retirement. Many people after retirement lose hope and interest in things like walking, reading, going on journeys, hiking and other hobbies, but without any creation.

If we are aware of the above-described third stage of life

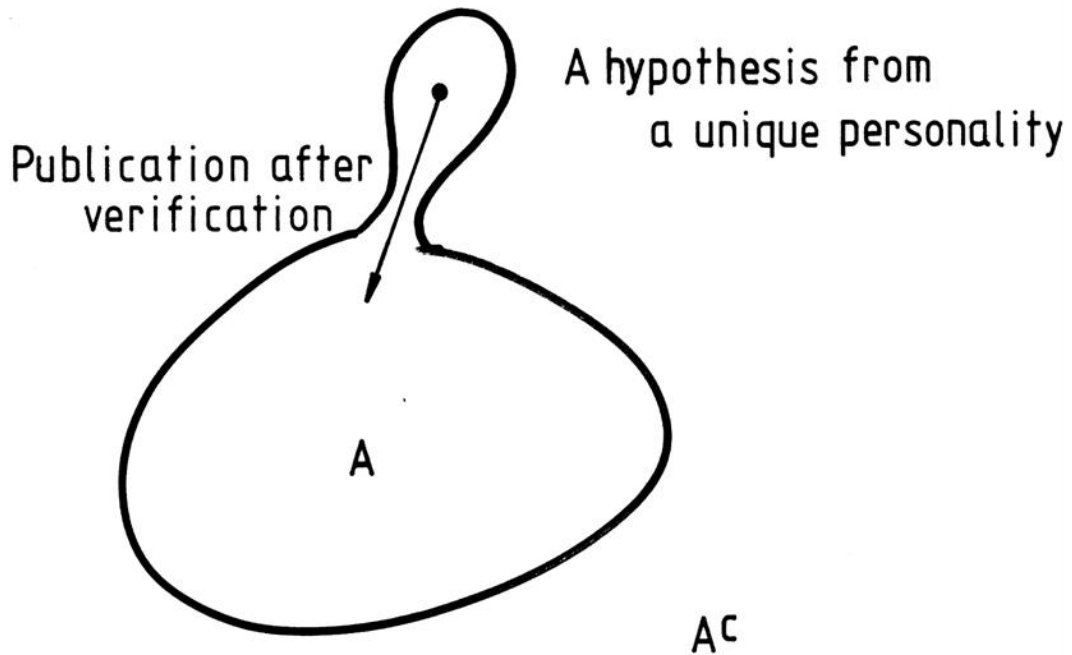


Figure 4: Sets of known A and unknown A^c . Creations start to have a hypothesis from a unique personality. After verification of the hypothesis, it may be published. This is a process of the third stage of life. When this kind of creations is integrated, then we call it “culture” (Ando, 2016).

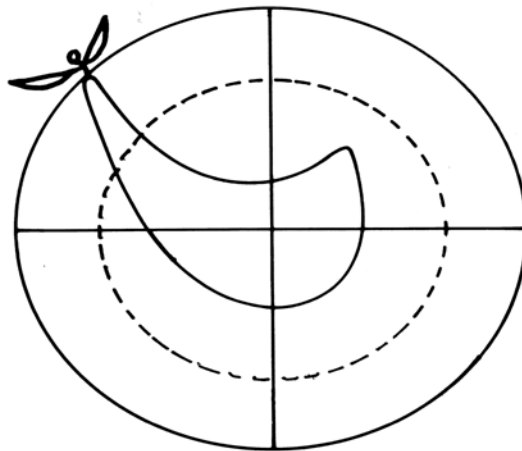


Figure 5: Individual potentiality to a particular direction due to the personality (DNA seed) and discover something originals that have not previously known because of unique DNA (Ando, 2016). There is infinite countable number of unknown fields, which individuals should be tackled. For example, the typical directions are music, pictorial art, formative arts, athletics, mathematics, science, engineering, literature, medicine, history, geophysics, agriculture, economics, business, and others that should be done by individuals. It is regret that the Nobel Price is given for only particular fields, so that the whole society gradually became eccentric. After a long time global environments, for example, might be terminated. Dotted line is a record of an honor student, who is always high records in all of fields; however, they subject to never produce creations from the bottom of personality. This is not the objective of education.

Table 1: Examples of resonating between personality (DNA) and preferred activities of creation and ingenuity (the three stages) of individual life, in which individual environments are designed by the preference theory (Ando, 2016).

Preferred Creative Activities	Artistic Creation	Scientific Creation
Painting	X	
Calligraphy	X	
Sculpture	X	
Cloth	X	
Cocking	X	X
Ceramics	X	X
Gardening	X	X
Music	X	X
Mathematics	X	X
Physics		X
Astronomy		X
Agriculture	X	X
Design of Environment	X	X
Social Study	X	X
Preventive Medicine	X	X
Temporal Design of Environment	X	X
Economics of Consumption	X	X
Principle of Education	X	X

¹Due to a special talent driven by DNA, each individual could create in a field, one resonating with its personality that might contribute to whole human culture and creatures.

(Ando, 2016), which is unique to humans, we have acknowledged a way to contribute to maintaining the environment and lasting peace. A particular example of an environment supporting the third stage of life is the creative workspace (CWS), designed to activate the left and right cerebral hemispheres by introducing two different panels for each, as shown in Figure 6(a).

Figure 6(a) shows an example of CWS designed to activate the left cerebral hemisphere specialized in temporal tasks such as writing, reading, speech hearing, calculation, and logical consideration, and the right hemisphere specialized in spatial tasks such as pattern recognition, space forming, drawing, painting, clay works, making scale models, drawing figures, fixing photos, by introducing two different panels. In addition, a ‘third panel’ is specialized in receiving and integrating knowledge through an information and communication system.

The three different panels are designated for the left and right hemispheric tasks and for integrating and receiving knowledge through an information-communication system. While living in this house for about 5 years from March 2004 through September 2009, the author prepared manuscripts for several volumes (Figure 6b) (Ando, 2007, 2009, 2011). The internet system between the home and office may play a role in maximizing preference with minimizing expense of time and energy, helping to avoid stressors from daily commuting to and from the work and/or study place.

Another type of CWS was prepared for students at the Ando Laboratory at the Graduate School of Kobe University

as shown in Figures 7 and 8 (a&b). In working in this environment, seven students and the author published full papers three times more (mean 50 %) than when working in the one-dimensional panel environment, as shown in Table 2.

It is promising that multidimensional ideas may be obtained by working behind these morphing workspaces, allowing one to change the position of the panels and design individually preferred working environments. An idea may suddenly pop up when changing the position of the panels, for example. This is quite a different approach from the usual one-dimensional working space that by default only supports generation of ‘one-dimensional ideas’. Generic environments tend to produce similar ideas in people. As a result of the ‘test-run’ at the Ando Laboratory, the graduate students ended up publishing full papers three times more as compared to the much lower productivity behind one-dimensional panels. After obtaining their PhD’s, all of them continued their own research work either as professors at universities in Kyoto, Osaka, Nagoya and Argentine or as research workers at national laboratories and Omron Co.

The three different panels in the CWS compose of a particularly useful setup for the development of the student’s brain. For example, right hemispheric tasks such as clay works might not be overly well performed behind the usual single-type table or L-type table. Another well-known environment that is usually individually designed is atelier.

A remarkable example is of a 10-year-old boy whose father crafted a CWS for him. Suddenly he could compose



Figure 6(a): CWS designed by the author in a hillside house in Kirishima.



Figure 6(b): After returning to Kobe from Kirishima in 2009, the author lived in an apartment, where he worked on manuscripts of books (Ando, 2015; Soeta and Ando, 2015, 2016, 2018; Suzumura and Ando, 2018; Ando, 2019).

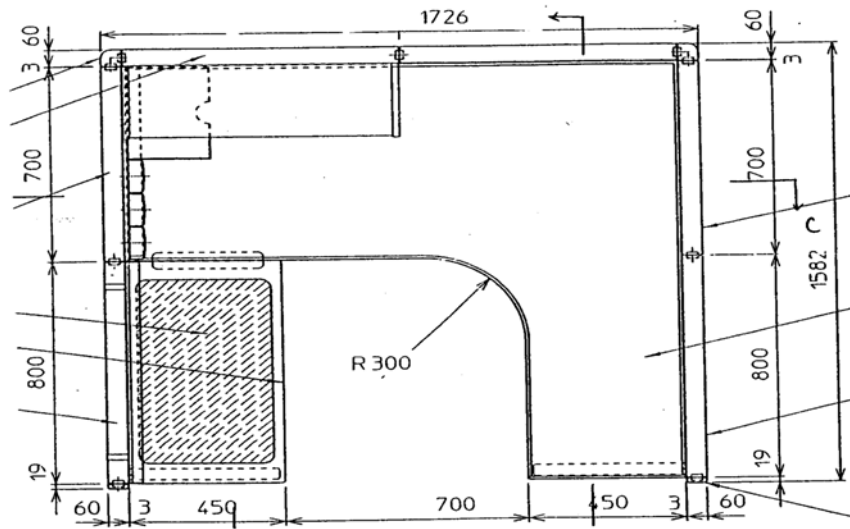


Figure 7: CWS introduced to the Ando Laboratory at the Graduate School of Kobe University in 2002 for one year.



Figure 8: (a)CWS for graduate students. (b) A table for graduate students' discussions placed near the CWS. These were introduced for one year during 2002 and 2003 in the Graduate School of Science and Technology, Kobe University.

Table 2: Overall evaluations and work efficiencies of the CWS judged by eight users in reference to the usual office desk.

User	Overall evaluation (Time)	Work efficiency (Time)
RS	5.0	3.0
YS	2.5	2.5
YO	10.0	5.0
TH	5.0	3.0
KK	15.0	15.0
KF	5.0	3.0
YA	3.0	3.0
SS	10.0	2.0
Average	6.9	4.6
Mean (50%)	5.0	3.0

two short music pieces entitled 'Perished Castle' and 'Day in Travel'.

Preference theory in life

Dynamical theory of preference of life amid various stressors

To attain healthy living avoiding ill treatment of human and further wars, this chapter proposes to attain survival power by means of dynamical theory of preference amid various stressors of life as shown in **Figure 9** instead of well-known stress theory (Selye, 1950). We shall emphasize the most powerful preference, in terms of establishing a life based on the unique personality (DNA) of each individual. It should be founded on nourishing creativity associated with both cerebral hemispheres, and knowledge may be integrated as a culture for longer after the end of life in the society (the third stage of individual life).

This theory supports and maintains survival power – health – even within such a vast variety of stressors (**Figure 10**). The most survival preference related to the unique personality (DNA) is, first of all, to select a field or a direction to live. At the same time, we may acknowledge personality driven creations. Other wonderful things exist in nature provided by the affection power such as, for example fresh air, green leaves; water stream may attain survival power due to the affection of nature, as well as music and drawing preferred which individuals have created. Non-verbal communications in living creatures that include babies less than one or two years of age, may be performed by association with the right hemisphere of individuals, before attaining verbal communication. Also, it is interesting to note that with animals and plants, non-verbal communications can be performed. This might be realized with all of creatures on the earth before communicating with space creatures.

Also, any creative activities preferred resonating with personality (DNA) might attain the most survival power, because it is possible to be integrated in social culture for longer life than the individual life time (third stage of life). In other words, as shown in **Figure 2**, the third stage of life may continue to culture even after the end of individual life, that is, the fourth stage of life (Danjo, 2014) if future generations accept the creation. That is a kind of eternal life of an individual.

An experiment on the theory

Effects of preference and stress on dialysis introduction Age (DIA): To examine the dynamical theory of preference of life amid various stressors, this section shows stressors and preference factors that determine dialysis introduction age (DIA) or onset age of dialysis, which was conducted by

analyzing a questionnaire distributed to patients attending a hospital in Kobe, Japan (Ando, 2018a,b). To predict DIA according to 16 factors of stress and preference in addition to factors of dwelling environment as well as clinical history obtained by questionnaire, the mathematical quantification theory (Hayashi, 1950) was applied. The total questionnaire data collected were 34 but valid data were 30 without lack of data, which were unanswered. The DIA data were rearranged by rounding, for example, 55 is 50 and 68 is 60.

It is remarkable that individual clinical history of past high blood pressure and proteinuria records was unexpectedly insignificant. But, the following eight effective factors were found to describe DIA: 1) human relations; 2) hard work over the years; 3) consumption of alcoholic beverages; 4) noise pollution at the dwelling; 5) other pollutions; 6) smoking; 7) number of hospitalizations; 8) number of times moving house. Note that other factors included gender, pets, bad odors, past noise pollution were insignificant.

Remarkable results obtained were that troubled inter-human relations are potential accelerators of dialysis introduction age (DIA), caused by severe stress ($P < 0.01$) as shown at the top of **Figure 11**. On the contrary, the preference factor of social drinking ($p < 0.05$) in an amount less than 180 cc of Japanese Sake as well as wine as indicated on the third row of the **figure**, as it has been said to be the best of all medicine, postponed DIA. As indicated on the second row of the figure, 'hard work' for less than 29 years acted as stressor, but for more than 30 years postponed DIA due to habituation effects relative to a period shorter than 29 years ($p = 0.05$). As indicated on the fourth row, noise pollution acted as a stress factor ($p < 0.1$).

As shown in **Figure 12**, DIA calculated with 8 factors is roughly agreeable with the DIA reported by the participating patients. The coefficient determination was 0.59, that is, high enough in this kind of investigation with the questionnaire. It is remarkable that the second significant factor was preferred alcoholic beverage to postpone DIA.

From globalization of majority based society to individual based society

At present, it is normative that human life is so occupied by a wide range of stressors. For example, the environmental noise affecting unborn babies and children (Ando and Hattori, 1970, 1973, 1977a,b; Ando et al., 1975; Ando, 1988), ugly visual design without knowing preference theory (Ando, 2016) and troubled human relations such that the pleasure derived from the process of living is regretfully often drained away by stress. Serious illness such as cancer, kidney disease, dementia, and intractable disease may be caused by losing individual survival power. However, possibility exists regarding the dynamical theory of preference of life amid various stressors, and preference

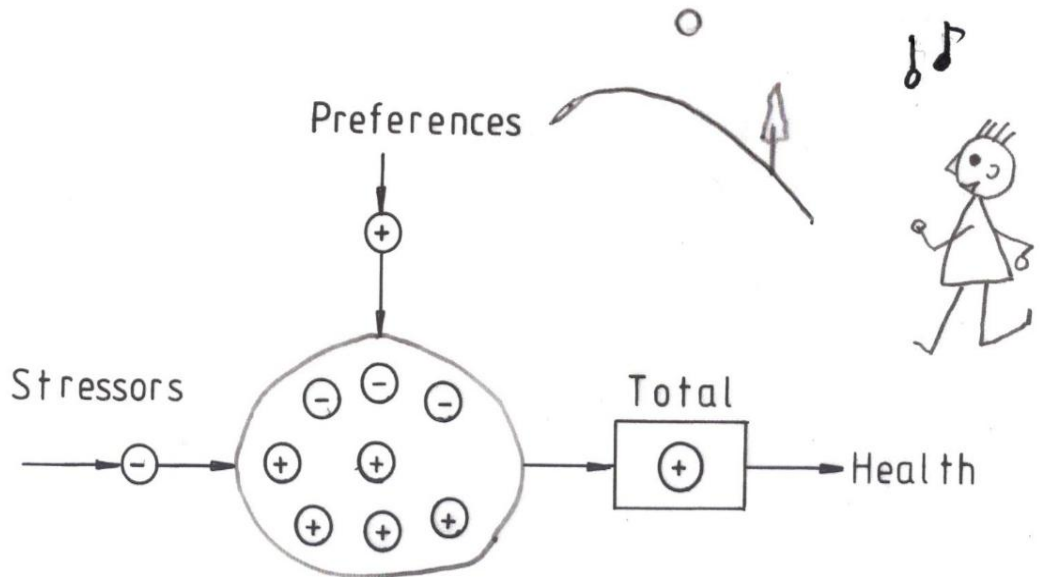


Figure 9: Dynamical theory of preference of life maintaining survival power amidst various stressors. Preference is what we want to be sincere gaining life force (Ando and Jōgi, 2019).

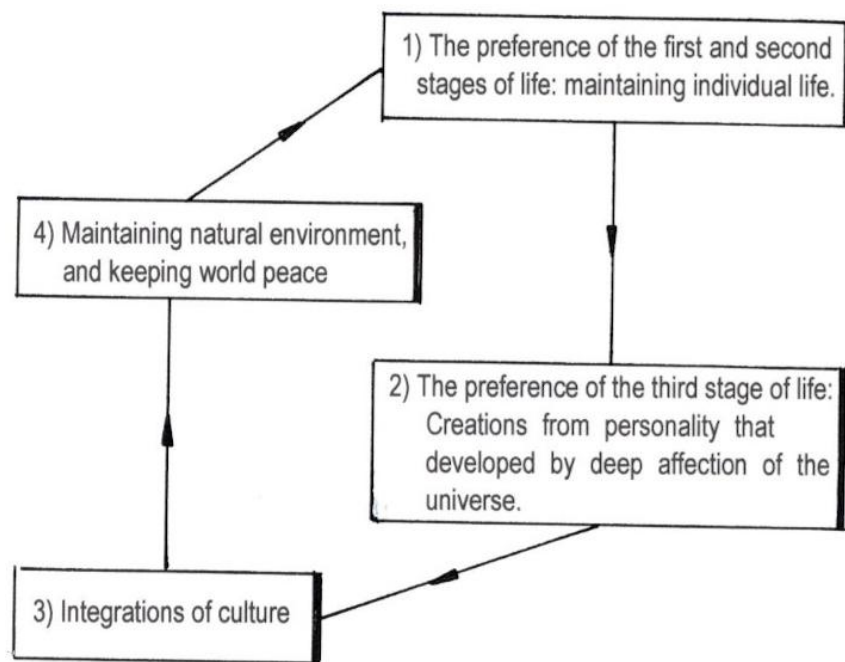


Figure 10: The preference for life in the first and second stages of life normally leads to maintenance of individual life, and preference-based creations in the third stage of life that integrate with culture hopefully maintains the environment and supports peace *ad aeternum* (Ando, 2018b).

factors that determine onset age of disease.

It is considered that the survival power of all individuals in the whole world has been clearly less than that of the coronavirus. Thus, negative spiral of society throughout the world will occur, if globalization of majority based society

will not change into individual based society, as shown in **Figure 13**. For example, in order to reduce greenhouse gas by temporal design, stopping the global warming is one of the hardest problems. One typical problem of industrial productions and related mass transportation of global

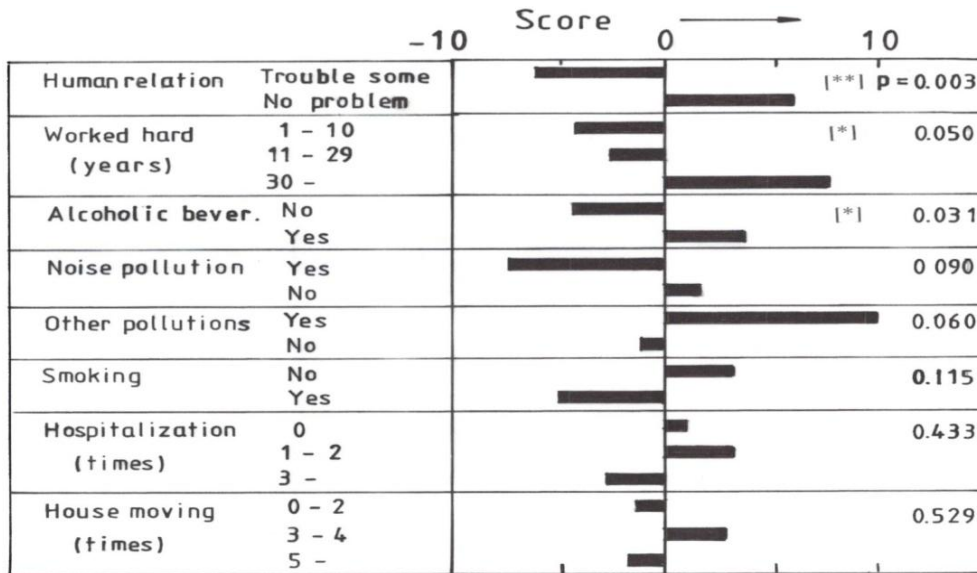


Figure 11: Results of each category of eight factors in calculating DIA by the analysis. Symbols [**] and [*] signify significant levels 0.01 and 0.05, respectively.

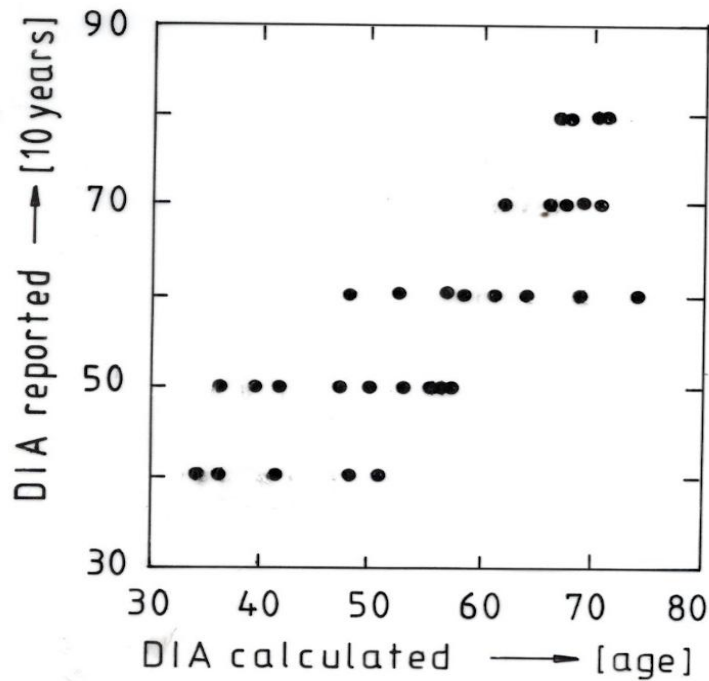
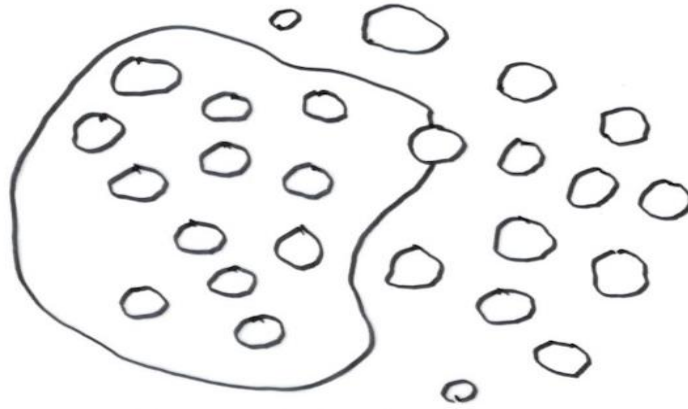


Figure 12: Relationship between DIA calculated utilizing results of analysis, and DIA (10 years as round number) reported in the questionnaire by each patient. Remarkably, DIA may be roughly described by eight factors indicated in Figure 11.

activities occurred in the industrial revolution in 1830.

We emphasize here original creativity as for third stage of life, preferred individuals activity resonating with personality associated with DNA, and the design theory of preference with the left and right cerebral hemispheres,

respectively, temporal and spatial objectives (Ando, 2016). Most generally, as discussed previously, subjective preference is regarded as a primitive response of living creatures that entail judgments that steer an organism in the direction of maintaining life, so as to enhance its



Fictional Political Realm

Figure 13: From globalization of majority based society to individual based society. A realm indicates globalization, however, there will be always preference of individuals outside of the realm. All individuals may be satisfied as a minimum unit of society due to their preference, as the number of people existing on the earth is a limited integer. It is small enough, as a computer memory and operation, to enhance individual preference and satisfaction.

prospects for survival. Balance of creations and recreations in individual life are highly recommended. Preference is not luxurious; therefore, it may deeply be associated with the base of aesthetics.

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