

「現代中国とアジア世界の人口生態環境問題」研究会報告(主査 榎根 勇)

- 研究会活動(メンバーは約15名)
- フィールドワーク(山西・雲南・新疆・寧夏・内蒙古・遼寧・吉林)
- 事例研究(麗江・南京)
- 中間報告書(2004、2005、2006)
- 方法論:『現代中国環境基礎論』

【図表 1】

21st Century
Center Of Excellence Program
International Center for Chinese Studies
Aichi University, 2002-2006

Foundations of Environmental
Issues in Modern China
—Integration of Nature and Humans—

KAYANE, Isamu

【図表 2】

Methodology

Environmental Group

【図表 3】

Which road should we go?

| | |
|--------------------------------------|--------------|
| (A) | (B) |
| Area studies | Philosophy |
| ↓ | ↓ |
| Chinese studies | New approach |
| ↓ | ↓ |
| Environmental issues in modern China | |

【図表 4】

I selected road (B)

New philosophy
↓
New approach
↓
Environmental issues in modern China

【図表 5】

Modernity(近代)

Two giants supporting modernity

- Cartesian dualism by René Descartes
- Newtonian physics → Modern economics (Toulmin, 1990)
- Separation of Nature (object) from humans (subject) → Value neutrality
- Neglect of the value of Nature for mind → External diseconomy
- Determinism

【図表 6】

Environmental Science in the 20th Century

- Researches to prosecute environmental disruption
- Researches to mitigate environmental disruption
- Global warming

- But approaches so far are symptomatic. New approach should be causal and fundamental.

【図表 7】

New Philosophy for the 21st Century

- Ken Wilber: Theory of everything, 2000
- Ervin Laszlo: Integral theory of everything, 2003, 2004

- Simizu, Hiroshi (清水博), 『場の思想』 (Thought of field), 2003
- Nakada, Tsutomu (中田力), 『脳の方程式』 (Equation of brain=vortex theory), 2001-2006

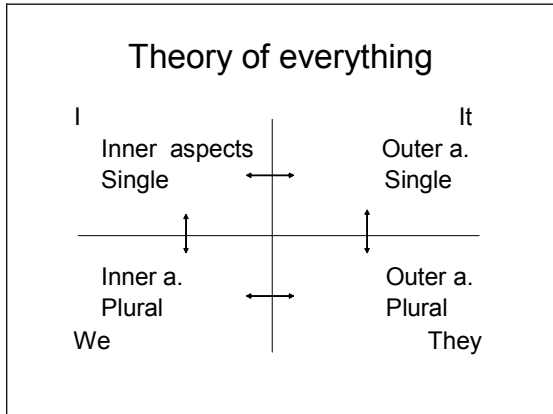
- They are non-dualism containing hypotheses.

【図表 8】

Ken Wilber's theory of everything

| | |
|---|---|
| <ul style="list-style-type: none"> • I (upper-left quadrant) • Consciousness • Subjectivity • Spiritual disciplines | <ul style="list-style-type: none"> • It (upper-right quadrant) • Brain • Objectivity • Hard sciences |
| <ul style="list-style-type: none"> • We (lower-left quadrant) • Culture • Intersubjectivity • Humanities | <ul style="list-style-type: none"> • They (lower-right quadrant) • Society • Interobjectivity • System sciences |

【図表 9】

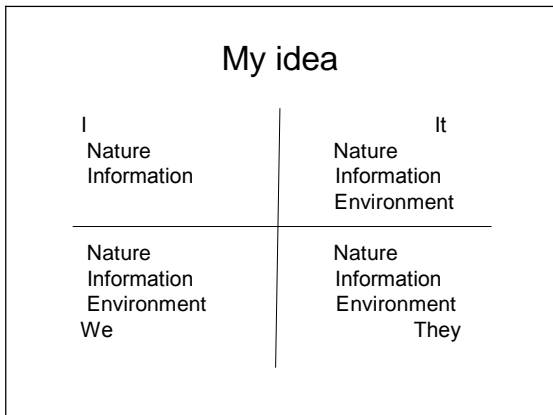


【図表 10】

Each quadrant develops independently and spirally.

| | |
|--|--|
| Body (肉体) ↓ Mind (心) ↓ Soul (魂) ↓ Spirit (霊) | Scientifically recognized world <hr/> Hypothetic world |
|--|--|

【図表 11】



【図表 12】

Water by Wilber's framework

- | | |
|---|--|
| <ul style="list-style-type: none"> • Water belief • Dongba religion of Naxi people in Lijiang, China • Balinese Hind, in Bali, Indonesia | <ul style="list-style-type: none"> • Water cycle • Spring • Mountain • Hydro-geology • Simulation model |
| <ul style="list-style-type: none"> • Water culture • Dongba pictograph in Lijiang • Holy water in Bali • Worldview | <ul style="list-style-type: none"> • Water community • Water management • Three-pond system (三眼井) in Lijiang • <i>Subak</i> system in Bali |

【図表 13】

Lazslo's non-dualism

- Panpsychism (汎心論), quantum theory
- Fifth field: Fields of gravity, electro-magnetic, weak nuclear force, and strong nuclear force, plus Akashic field (情報場)
- Idealism (mind) and materialism (body) are complementary
- Humans and environments interact each other
- Nature is a self-evolutional (生成) system

【図表 14】

T. Nakada's "vortex theory"

- The brain automatically constructs its function by interacting with the given environment. Mind is "a lump of information" obtained from environment.
- Brain as an information treatment system is constrained by given environment.
- Brain as a living organ is strongly controlled by genetic information, DNA.
- The function in living organ is a form.
- The vortex theory (渦理論) is a hypothesis for the formation of brain.

【図表 15】

Process to overcome Environmental problems

New approach based on new philosophy
↓
Building-up of next social system

【図表 16】

Capitalism

- Money and US dollar as a key currency are all *de facto standard*.
- Capitalism is a mere system which yields profit from differences between systems.
- In nature, capitalism and humans are the same. Therefore, we can't escape from capitalism.
- No other system which could replace capitalism would not appear in the near future.
- Ethics is indispensable for capitalism.
(by K. Iwai, 2006)

【図表 17】

Ethics necessary for environmental problems

- Iwai's triangle
 - Saeki's quadrilateral
 - China's "socialistic market economy"
- I: Nation state, Capitalism, Citizenism (市民主義)
S: Nation state, Capitalism, Social community, Potential value system (潜在的価値システム)
C: Nation state, Market economy, Socialistic (ethics) = 社会主義 榮辱観 (8 為榮・8 為恥)

【図表 18】

CONCLUSION

私たちは自然によっていかされている。
(高木美保)

- Without mother Nature, we cannot survive.
- If mother Nature is destroyed, we would also be destroyed.

【図表 19】

A Case Study

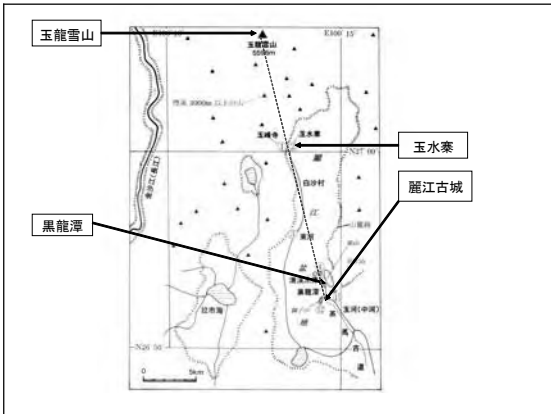
- Lijiang (麗江)
Yunnang Province (雲南省)
China (中国)

【図表 20】

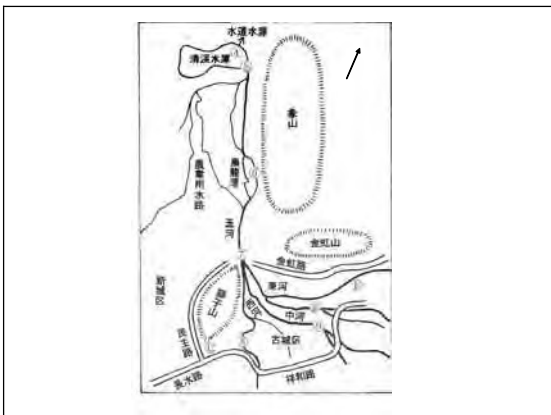
Lijiang(麗江) : A water community

| | |
|--|---|
| <ul style="list-style-type: none"> • Dongba religion • Harmony of Nature and humans • The third paradise • Open-minded | <ul style="list-style-type: none"> • Water cycle • Hydrogeology • Springs • Wells • Water courses |
| <ul style="list-style-type: none"> • Water culture • Dongba pictograph • Fengshui • Town design | <ul style="list-style-type: none"> • Water management • Three-pond system • Cleaning by artificial flood • Combination of top-down and bottom-up approaches |

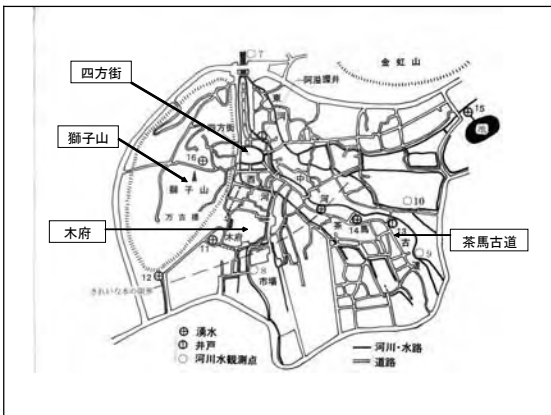
【図表 21】



【図表 22】



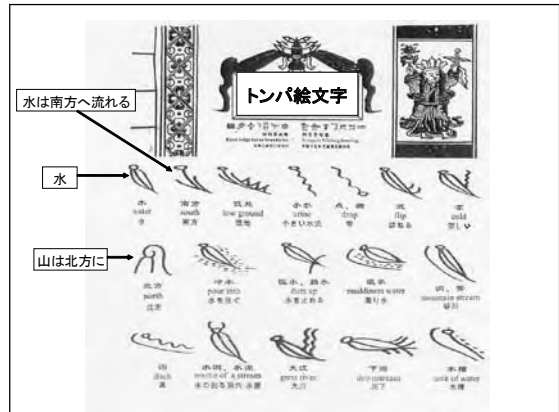
【図表 23】



【図表 24】



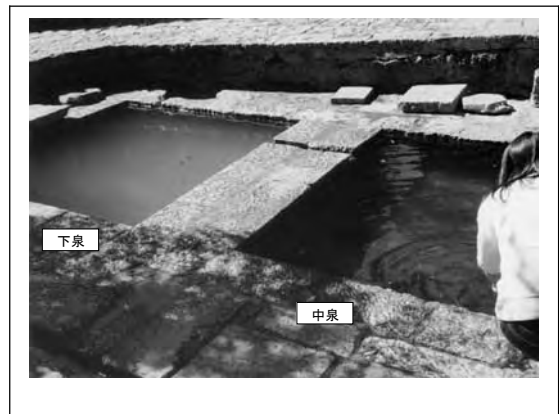
【図表 25】



【図表 26】



【図表 27】



【図表 28】



【図表 29】



【図表 30】



【図表 31】



【図表 32】

Harmony between four quadrants at Lijiang

PAST: Well balanced.
 What was the pie to wrap Nature and humans ?

PRESENT: In danger !
 What is the main cause destroying the harmony ?

FUTURE: Can we keep the harmony ?
 Should we pay more attention to inner aspects as well as outer aspects ?

【図表 33】

新しい中国学の構図

| | |
|---|---|
| <ul style="list-style-type: none"> • 中国人の心(意識) • COE-ICCSIには、この象限の研究会がない • 心(意識)に関する情報 | <ul style="list-style-type: none"> • ハード・サイエンス • 環境研究会 • 情報(データベース) |
| <ul style="list-style-type: none"> • 人文学 • 文化研究会 • 環境研究会 • 情報(データベース) | <ul style="list-style-type: none"> • システム・サイエンス • 政治研究会 • 経済研究会 • 環境研究会 • 情報(データベース) |

【図表 34】