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**"ANTHROPOLOGY
AND SOCIETY"**

Memorial Congress
to the 60th Anniversary
of Death of Dr. Aleš Hrdlička

May 22 - 24, 2003
Praha, Humpolec
Czech Republic

CZECH
ANTHROPOLOGY
SOCIETY

CHARLES UNIVERSITY, PRAGUE
FACULTY OF SCIENCE



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**PROGRAMME
ABSTRACTS**

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**INTEGRATED ANTHROPOLOGY PREDICTS ISODYNAMIC SOCIETY
(LITTORAL THEORY OF HOMINID EVOLUTION, ISODYNAMIC PHASE, LXI,)**

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Homo paleosocialisation (PS) since 2.5 my is based on a shift to the serotonergic, anabolic, recreative Rest and Fulfilment-Response (Bujatti & Riederer, 1976). It is enhanced by the therapeutic ritual instrumentalising the “inner peace” of the sound-symbol-conditioned release of the vertebrate diving response for teleonomic play behaviour stabilisation beyond puberty: The meta-play as the problem solving strategy of *homo*-culture. It was selected as critical fitness advantage in arid savannah environments conserving by a meta-ritual the behavioural plasticity of the littoral (coastal to river swamp) double niche transition-space. This lead to a novel evolutionary stable paleo- (eu-) socialisation strategy, rising beyond dual agonistic-hedonic primate ranking: either prone to instrumentalise threat – as in agonistic male-dominated “ranking (*P. troglodytes*) – as “eliminative problem solving” for resources distribution by aggression (inborn gene-ritual of catecholaminergic, catabolic, energy-consuming Fight or Flight) or prone to instrumentalise comforting grooming or the genito-genital GG-rubbing – as in hedonic female dominated ranking (*P. paniscus*) as “cooperative problem solving” – probably a partly learned meme-ritual. *Homo* specific PS on the other hand instrumentalises the therapeutic meta-ritual by utilising the diving response – with a physiology of aggression and general instinct-behaviour calming “transcendence or inner peace” to avert brain hypoxia – that secures even in emergency a relaxed field “good conscience” as precondition for the meta-play of culture. This meta-ritual changes meme-rituals e.g. within courtship behaviour as creative love-play of flirt as language-play and in teleonomic tool production. Meta-play is defined and experienced as ISODYNAMIC® behaviour algorithm testable through its transfer function from fight or flight to rest and fulfilment physiology. It introduces the flat and flexible ranking of “integrative problem solving” that is utilising all behavioural resources including eliminative aggression as play-aggression and co-operation to solve the ultimate problem of resources distribution for Meta- (meme-) ritual self-stabilisation as “transcendence or inner peace” of Rest and Fulfilment. This hagio-sophic ranking in PS by the symbol syntactic-communication capacity now allows high rank for even old males and old females. Proof for a significant role of PS in hominisation is sequential evolution of a) the human smile-signal for a relaxed (play-) field, b) of a stabilising diving meta-ritual in religions c) of symbolic language-play d) of tool production as meme-ritual, e) driving monotonous brain increase, f) serving a body centred reality construction as language check for authenticity in the highly competitive sexual selection of flirting g) of a highly economic solidarity, fairness and reciprocity based resource distribution between partners h) manifesting in a progressively minimised sexual dimorphism of *Homo* morphology. The end of PS is documented since 35 000 ysbp, since interaction with *H. neanderthalensis* (H.N) in Europe both drove the origin of visual arts, documented by 410 icons of *Homo* in paleolithic art and of proto-scientific (eliminative-male) abstractions of the Neanderthal (Extinction-) Scheme as cause of the paleolithic revolution (Bujatti 1998). The Neanderthal Scheme is identified in 220 icons and includes 5 icons with *H. sapiens* and *H. N* comparative morphology. Ultimately many icons belong to the eliminative ritual of the bullman-minotaurus-bullfight-human sacrifice in the cave (labyrinth)-architectural space. Neo-socialisation in this tectural phase of the littoral theory describes the shift to a terror cult of a new, now inheritable elite, of sacred (Neanderthal-bullman-min-pan-cauac) executioners in a stratified society of steep ranking, protected by walls (tectural phase). Often as dual (divine twin) leaders, they instrumentalise systematically more and more resource scarcity and traumatising meme-rituals. They range from increasingly premature early age cleanness and circumcision meme-rituals up human sacrifice initially originating from HN extinction rituals. This regression to fear based, aggressive, agonistic primate socialisation with eliminative problem solving by increasingly effective terror cults was augmented by the KISS-flood event (Killercomet Impact Series into the Seas) around 12 850 ybp sinking the 20 000 year old Magdalenian Azores Plateau-MAP-culture. This further constrains integrative problem solving to the point of creating the unstable Holocene civilisations through reiterated socio-economic collapse

by creativity deficit. Traumatic rituals and (relative) resource scarcity systematically predispose to increasingly subjective (paranoid) reactions and to a regression into eliminative problem solving by fight or flight if a real or politically staged threat elicits terror (panic) This, along with an increasing loss of the therapeutic ritual of PS is the precondition developing into the effectiveness of the war ritual to gather support, forcing competing civilisation in the neolithic dys-socialisation into the population explosion to increase the chance to win and survive. Perceived threat instantly shifts this somato-psycho-social system from Rest and Fulfilment back to Fight or Flight (or from integrative to eliminative problem solving) ultimately from democracy to dictatorship. ISODYNAMIC® socialisation reverses this trend with huge economic savings starting the next Kondratieff cycle.