

Intro. to Anthro. (P&B Chaps.1,2)

A.) **Anthropos="Human" + "Logia" (Study of); the study of human beings in all their aspects (4 Subfields)-P&B add "Applied Anthro." as 5th:**

**1.) Physical or Biological Anthropology (our bodies=3 sub-fields or Concentrations):**

**a.) Paleoanthropology\* (Fossil Humans, or "Human Paleontology)-the study of "fossils", a cell-by-**

**cell replacement of bone by minerals, literally a "stone cast" of an original bone. This only happens in rare circumstances, such as dying in a shallow lake & immediately covered with soft sediment that seals from oxygen & retards decay, so fossils are rare**

**i.) Humans date back 6.5 million years, as a result of the "East Side Story", the creation of the rift valley that produced grassland=savannah in East Africa in tandem with glaciation in northern latitudes that yielded dessication in East & South Africa.**

**ii.) We are bipedal (walk on two hind legs-unique) as a result; the African Great Apes (Chimps, Bonobos & Gorillas are knuckle-walking jungle adapted life-forms 99.9% genetically & anatomically similar to us-close "cousins"**

**b.) Primatology\* (our shared primate behavioral background), a form of "Ethology", the study of behavior, cross-training in biology (Jane Goodall on Chimps or Diane Fossey-murdered by poachers-on Gorillas)**

**i.) From Prosimians (Lemurs, Marmosets) to Monkeys (both Old & New World), more distant "cousins" separated by 15 million years of evolution**

**ii.) To Great Apes (African & Asian), African closest= Chimps, Bonobos & Gorillas/Orang Utang=S.E. Asia**

**iii.) Similarities from behavior (Pilo-erection, the threat stare, the "sheepish smile", begging by presenting the up-turned palm, etc.) to**

**iv.) Social Behavior (an "incest taboo", therefore a concept of "genealogy", the "matrifocal family", to cooperative hunting & food sharing**

for male bonding, etc.)

- c.) **Osteology (our skeletons):**
  - i.) **Forensic Anthropology\***
  - ii.) **Pathology**
  - iii.) **Characteristic Motor Activities**
  - iv.) **Age & Sex Cohorts & Ratios**
- d.) **Human Adaptation (our bodies' soft tissues) & Human Variation\* (Race=only developed in last 150,000 yrs.)**
  - i.) **High Altitude (Europeans can't breed at 15,000 ft- all babies in Potosí, Bolivia, in the Andes, were still-born "blue babies"; mother couldn't diffuse enough oxygen thru umbilicus); Andean Indians have 30% greater lung capacity like the Sherpas of the Himalayas to oxygenate blood**
  - ii.) **Cold Stress (Eskimo or Indians of Tierra del Fuego near Antarctica at the tip of South America) who have adapted according to Romer's Rule & Allen's Rule in Biology to have short, stocky bodies, small extremities (fingers, toes) to limit surface area for cold loss (hair related).**
  - iii.) **Heat stress (natives of the Sudan, "Nilotics", are opposite, walking "radiators", near 7 ft. tall with long fingers & toes & elongated torsos**
  - iv.) **UV protection (skin color is clinal, that is, varies continuously, without breaks, from light skin & eyes in northern latitudes to dark skin & eyes in southern, a "choice" between skin cancer & vitamin D deficiency**

## **2.) Archaeology (our Material Culture)**

- a.) **Classical Archaeology (of the Greeks & Romans)-may be in departments of Classics, Art History and History**
- b.) **Prehistoric Archaeology (the anthropological discipline)**
- c.) **Contract Archaeology or CRM ("Cultural Resource Management"), National Historic Preservation Act of 1966, "mitigate the impact"**
- d.) **Ethnoarchaeology**

## **3.) Anthropological Linguistics (our languages)**

- a.) **Descriptive or Field Linguistics**
- b.) **Historical Linguistics**
- c.) **Socio-linguistics**
- d.) **Structural Linguistics (at Delaware)**

- 4.) Cultural Anthropology (our thoughts & behavior)**
- a.) Modern Long-term Participant-observation fieldwork**
    - i.) This means primary data in contrast to sociology which depends on secondary data like census data & questionnaires**
    - ii.) Unlike sociology, which is elaborately statistical & must worry about sampling, anthro-sample is potentially 100%**
  - b.) Cross-cultural study (the comparative method)**
    - i.) many now do fieldwork in own culture, as in the "Coctail Waitress" by James Spradley & Brenda Mann (difference in gender & "debriefing"), but is "sociological anthropology"; similarly some sociologists have done fieldwork, therefore they have done "anthropological sociology"**
    - ii.) of small-scale societies, unlike Sociology, which must process large societies like USA with 300 million people!**
    - iii.) Therefore anthropologists began by studying small-scale 4th World Societies (band, & tribal, self-sufficient, inside states, but not under their control + non-literate**
    - iv.) As those disappeared in late 20th cen. moved to studying 3rd World peasant societies (80% of people still on the land doing subsistence ag. a dependent + provincial version of urban culture, often illiterate in small communities, now do development anthropology**
    - v.) As some of these countries developed and became 2nd World, industrial producers of commodities, anthropologists moved into sub-cultures, such as following peasants to the city=urban anthropology**
    - vi.) As U.S., Western Europe and Japan became 1st World (1950, service economy, white collars replace blue collar manufacturing), "hollowing-out" and "exportation" to 2nd World of that manufacturing base + since 1960, the Information Society, with computers, now anthropologists do corporate anthropology (the "cultures" of corporations, Daimler/Chrysler)**

- c.) **Dependent upon linguistic competence**
  - i.) **Of the World Scholarly Language that early ethnographic literature is written in, usually the former Colonial Power, i.e., Rabinow=French because used to be French Morocco**
  - ii.) **Then of the Lingua Franca, or commonly-used local language between cultures, like Swahili in East Africa or Pidgin in Melanesia with Wormsley, or Arabic for Rabinow**
  - iii.) **Lastly, the ethnic language of the local group in question, like Berber for Rabinow or Imbi for Wormsley**
- d.) **with an Aerial Specialty (of a culture-geographic area), the real entities, not nation states (which tend to break up, witness Liberia in Africa or Yugoslavia), One must know as much about the natural history and culture history of that region as possible**
- e.) **and a Topical Specialty, that is, what specific topic or institution one will study (such as art, politics, kinship, language, etc.). This will be indicated by the addition of the "ethno" prefix, such as:**
  - i.) **Ethnobotany**
  - ii.) **Ethnobiology**
  - iii.) **Ethnomusicology**
  - iv.) **Ethnoastronomy**
  - v.) **Ethnomedicine, etc.**

**5.) Applied Anthropology (since the 1990s)**

- a.) **Medical anthropology (fastest growing sub-field), work with epidemiologists, spread of diseases like AIDS**
  - i.) **Investigate Non-Western Medical systems like Chinese acupuncture, Feng-Hsuia, Hindu Ayurvedic Medicine or American Indian healing**
  - ii.) **Or conduct ethnomedical research like Mark Plotkin; to go out & recover from shamans curing plants or preparations**
- b.) **Development Anthropology (work with international aid organizations like USAID (U.S. Agency for International Development), the Rockefeller & Ford Foundations, The World Bank, and the United Nations Development**

**Program**

- c.) **Educational Anthropology (bilingual education, multi-**

**cultural education, Native American education, etc.)**

**d.) Corporate Anthropology (since 1980s with multi-national corporations)**