

## Lapita Tool Kits

Lecture #6  
No Assigned Readings

### Key Concepts about Lapita Tool Kits

- Plants used by the first migrants into Remote Oceania were brought with them from their former homes.
- After settling in the Pacific islands, new plant uses were developed.
- Development of plant uses and technologies parallels the development of unique cultures and languages.

### Cultural History of the Pacific

#### Languages

Non-Austronesian (Papuan) Languages

Austronesian Languages

Indo-Malaysian

Oceanic

Near Oceanic

Far Oceanic

Language Trees (overall similarity)

### Language Groups

Hawaiian

Eastern Polynesian

Western Polynesian

Rotuman

Fijian

Melanesian  
Near Oceania (Lapita Origin)

### Cultural History of the Pacific

#### Remote Oceania Archaeological groups

Pottery

- Lapita
- Plain ware

Fish hooks

Stone tools

Biological Remains

- Seeds, pollen, charcoal, small fragments
- Fish, bird, dog, pig, & rat bones, mollusk shells

### Cultural History of the Pacific

#### Technological History of the Pacific: Modern analog approaches

Apo-technologies

Plesio-technologies

Tool kits

- Tools
- Plants
- Ideas - technologies

## Lapita Tool Kits

Evidences of human movements through common artifacts of technology\*

What is important if fishermen contributed to at least some of the settlement pattern?

- What is needed to go fishing?
- Something to drink!
- Shade from the sun.

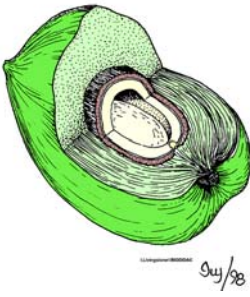
\*(Hawaiian terms are used even though we assume that an older language was used in ancient times.)

Fishing gear



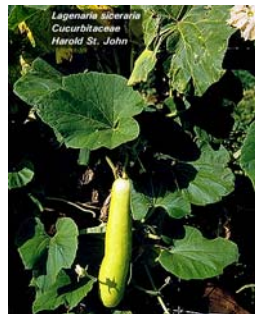
Something to drink!

- niu



Something to drink!

- `umeke pohue



Shade from the sun

- pa`u
- lau
- night fishing



## Lapita Tool Kits

What to take on the trip of a lifetime?

- Foods
- Animals
- `umeke la`au
- Wrappings for foods and stored plant propagates
- Storage containers for liquids and solids
- Technology
- Medicines
- Religion
- Genetic diversity

### Food Plants Introduced to Hawai‘i

- *Artocarpus altilis* **‘ulu**
- *Cocos nucifera* **niu**
- *Colocasia esculenta* **kalo**
- *Cordyline fruticosa* **ki/ti**
- *Dioscorea alata* **‘uhi**
- *Ipomoea batatas* **‘uala**
- *Musa acuminata* X *balbisiana* **mai‘a**
- *Saccharum officinarum* **ko**
- *Tacca leontopetaloides* **pia**

### Food Plants Introduced to Hawai‘i

- *Alocasia macrorrhiza* **‘ape**
- *Dioscorea bulbifera* **hoi**
- *Dioscorea pentaphylla* **pi‘a**
- *Pandanus tectorius* **hala**
- *Syzygium malaccense* **‘ohi‘a ai**

### Animals Introduced to Hawai‘i

- Dogs (Asian Beagles – no bark)
- Pigs (Small, Dark, Tame)
- Rats (Food and Pets. Not stowaways!)
- Chickens (Small Bush Fowl)
- Lice (!)

### Technologies Introduced to Hawai‘i

- Canoe Construction and Navigation
- Cordage (rope and string) Production
- Medicine and Physical Manipulation
- Fishing (trawling, net, casting, spear, etc.)
- Wetland Farming
- Shifting Dryland Farming
- Building Construction
- Weapon Construction and Warfare

### Storage and Wrapping Plants Introduced to Hawai‘i

- *Cordyline fruticosa* **ti**
- *Lagenaria siceraria* **‘ipu**
- *Musa acuminata* X *balbisiana* **mai‘a**
- *Schizostachyum glaucifolium* **‘ohe**
- *Zingiber zerumbet* **‘awapuhi**

### Medicinal Plants Introduced to Hawai‘i

- *Aleurites moluccana* **kukui** (see kumu lipo)
- *Cordyline fruticosa* **ki/ti**
- *Curcuma longa* **‘olena**
- *Ipomoea indica* **koali‘awa**
- *Morinda citrifolia* **noni**
- *Piper methysticum* **‘awa**
- *Syzygium malaccense* **‘ohi‘a ‘ai**
- *Thespesia populnea* **milo**
- *Zingiber zerumbet* **‘awapuhi**

## Drift Plants “Introduced” to Hawai‘i

- *Aleurites moluccana* **kukui**
- *Calophyllum inophyllum* **kamani**
- *Cordia subcordata* **kou**
- *Hibiscus tiliaceus* **hau**
- *Morinda citrifolia* **noni**
- *Pandanus tectorius* **hala**
- *Tephrosia purpurea* **‘auhuhu**

## Announcements

- Bring limu (algae) products for Friday for part of the participation credit!
  - Prizes for
    - Most unique limu product
    - Best tasting (need to bring plenty)
- Sign-up on Wednesday & Friday for paper or project topics

## STUDY GUIDE QUESTIONS