

## **VIDEOS ON HAWAIIAN BOTANICAL TOPICS**

from Leeward Community College with support from 'Olelo

Presented and written by Priscilla Millen, Professor of Botany  
Produced by Neal Uehara, Educational Media Center, LCC.

### **I. NATIVE HAWAIIAN PLANTS: What are they?**

Time: 26 minutes

Summary: Priscilla Millen with Winston Morton, specialist in native plant propagation, discuss what is a native plant, how they came to the Hawaiian Islands, ways they adapted to the Hawaiian environment and reasons for their threatened status. All this filmed in the beautiful surroundings of Waimea Falls Park.

### **II. PLANTS THE POLYNESIANS BROUGHT: Plants Important in Hawaiian Culture**

Time: 146 minutes.

Summary: Twenty-six Polynesian Introduced plants are examined botanically and shown in some Hawaiian cultural usage. The video is divided into 8 sections dealing with food plants, fiber plants, medicinal, musical instruments and other objects.

Many interesting people participate in the film to share their knowledge and skills in using these plant materials. Kapa unfolds from beaten bark strips of wauke by Kawa'i's skilled hands, Mary Vea describes how her life changed by returning to traditional Hawaiian foods, Dr. Shintani explains how plant foods can provide better health, Aunty Kalima tells about her childhood pranks with awa, Dr. Chrisman resurrects the art of using ipu for decorative and useful containers, Paul Reppun stands in his lo'i, explaining the life cycle of kalo, Butch Heleman demonstrates the uses of the kukui and many others.

This video should be an excellent resource for any Hawaiian studies course as well as botany. Priscilla Millen and Winston Morton are the presenters.

### **III. PREVENTING EXTINCTION OF HAWAII'S ENDANGERED PLANTS: Using the CPC Genetic Safety Net**

Time: 75 minutes

Summary: Dr. Gary Ray, from the Center for Plant Conservation, and Priscilla Millen, in a lecture format, discuss basic concepts in plant preservation and some of the unique contributions being made by Hawaiian botanists to save our highly endangered native plants. Two segments on the video are shot at visits to Dr. Greg Koob's micropropagation laboratory, where rare plants have been saved from extinction, and to a mid-elevation nursery at Pahole on O'ahu, where Bill Garnett demonstrates how the rare plants can be re-introduced back into their original habitat.

### **IV. ISABELLA ABBOTT AND BEATRICE KRAUSS: Two women's contribution to the understanding of Hawaiian plants and culture..**

Time: approx. 30 minutes.

Summary: In an interview format, Priscilla Millen visits these two formidable and delightful women scientists to learn about their unique and impressive contributions to the field of Hawaiian ethnobotany, the study of plants and culture.

### HOW TO ORDER TAPES

We at Leeward Community College want to make these videos available to the broadest audience possible for educational purposes. Within reason, copies can be made basically for the cost of blank tapes, copying and handling. One copy per school or organization is suggested.

### To procure video copies from LCC, please follow either of two processes.

1. Obtain **three**, brand new blank tapes, T-120 VHS, of Japanese brands like Fuji, TDK, Maxell, Panasonic, JVC, etc. and deliver them to the Educational Media Office, Room L-112, which is at the lower level of the library building at Leeward Community College, 96-045 Ala Ike, Pearl City, 96782.

Leave to the attention of Neal Uehara and indicate which video desired. If you leave a mailer addressed to you and \$3 per tape ordered, they will be mailed back to you.

The exchange above is for the three shorter videos, NATIVE HAWAIIAN PLANTS, PREVENTING EXTINCTION OF HAWAII'S ENDANGERED PLANTS, ISABELLA ABBOTT AND BEATRICE KRAUSS.

For the longer Polynesian Plant video, obtain **four** T-160 (160 minutes long) VHS tapes for **one** finished copy. The tapes must be brand new and of Japanese brands (Fuji, TDK, Maxell, Sony, Panasonic, JVC, etc.) If you cannot get T-160s, we will accept **eight** T-120 (120 minutes) VHS tapes instead.

2. **A second way** to obtain copies of the videos is to **send \$25.00** for **EACH** of the shorter videos, NATIVE HAWAIIAN PLANTS, PREVENTING EXTINCTION OF HAWAII'S ENDANGERED PLANTS, ISABELLA ABBOTT AND BEATRICE KRAUSS.

**Polynesian Plant video is \$35.00.**

Make check out to Priscilla Millen, Math/Science Division, Leeward Community College, 96-045 Ala Ike, Pearl City, 96782. Phone is 455-0285, a e-mail: pmillen@hawaii.edu This will cover cost of tape exchange, postage and mailer, plus my time and gas to deliver to the post office.

**PLANTS THE POLYNESIANS BROUGHT: Plants Important in  
Hawaiian Culture**

Time: 146 minutes.

Summary: Twenty-five Polynesian Introduced plants are examined botanically and shown in some Hawaiian cultural usage. The video is divided into 8 sections dealing with food plants, fiber plants, medicinal, musical instruments and other objects.

Many interesting people participate in the film to share their knowledge and skills in using these plant materials. Kapa unfolds from beaten bark strips of wauke by Ka'wai's skilled hands, Mary Ve'a describes how her life changed by returning to traditional Hawaiian foods, Dr. Shintani explains how plant foods can provide better health, Auntie Kalima tells about her childhood pranks with awa, Dr. Chrisman resurrects the art of using ipu for decorative and useful containers, Paul Reppun stands in his lo'i, explaining the life cycle of kalo, Butch Helemano demonstrates the uses of the kukui and many others.

This video should be an excellent resource for any Hawaiian studies course as well as botany. Priscilla Millen and Winston Morton are the presenters.

### Film Sections

Part I: Introduction and list of plants (See back for full listing.)

Part II: Traditional Hawaiian Foods and their Value Today  
Dr. Terry Shintani of the Wai'anae Coast Comprehensive Health Center  
and Mary Ve'a

Part III: Kalo  
Paul Reppun, Wai'hole Valley Taro Farmer

Part IV: Other Important Food Plants  
'uala, uhi, 'ulu, mai'a, niu, 'ohi'a 'ai, pia and ko

Part V: Fiber Plants: ki, hau, niu, hala and wauke  
Pu'olo, ki container by Auntie Ka'ula of Waimea Falls Park  
Coconut cordage demonstrated by Fale Atagi of Waimea Falls Park  
Hala Weaving: Kalima Burke and Leeann Wong, Waimea Falls Park  
Kapa maker: E. Kawai Aona-Ueoka of KAPA, Inc.

Part VI: Polynesian Introduced Trees and Their Uses: kou, kamani, kukui and milo  
Kukui dye: B. Kauihimaalaih Helemano of Waimea Falls Park

Part VII: Polynesian Plants used as Containers and Musical Instruments  
B. Ka'imiloa Chrisman, M.D., ipu containers  
Hula instruments in dance: La'ai Joyce

Part VIII: Medicinal Plants: 'awa, noni, 'olena, 'awapuhi, 'auhuhu  
'Awa story: Aunty Kalima Burke  
Fish Poisoning: hola, Priscilla Millen

### POLYNESIAN INTRODUCED PLANTS

<u>Scientific Names</u>	<u>Hawaiian &amp; Common Names</u>
1. <i>Aleurites moluccana</i>	<i>kukui</i> , candlenut
2. <i>Alocasia macrorrhiza</i>	'ape
3. <i>Artocarpus altilis</i>	'ulu, breadfruit

4. <b>Broussonetia papyrifera</b>	<i>wauke</i> , paper mulberry
5. <b>Calophyllum inophyllum</b>	<i>kamani</i>
6. <b>Cocos nucifera</b>	<i>niu</i> , coconut
7. <b>Colocasia esculenta</b>	<i>kalo</i> , taro
8. <b>Cordia subcordata</b>	<i>kou</i>
9. <b>Cordyline fruticosa</b>	<i>ti</i> or <i>ki</i>
10. <b>Curcuma longa</b>	<i>'olena</i> , turmeric
11. <b>Dioscorea alata</b>	<i>uhi</i> , yam
12. <b>Hibiscus tiliaceus</b>	<i>hau</i>
13. <b>Ipomoea batatas</b>	<i>'uala</i> , sweet potato
14. <b>Lagenaria siceraria</b>	<i>ipu</i> , gourd
15. <b>Morinda citrifolia</b>	<i>noni</i>
16. <b>Musa acuminata</b> hybrids	<i>mai'a</i>
17. <b>Piper methysticum</b>	<i>'awa</i>
18. <b>Saccharum officinarum</b>	<i>ko</i>
19. <b>Schizostachyum glaucifolium</b>	<i>'ohe</i>
20. <b>Syzygium malaccense</b>	<i>'ohi'a 'ai</i> , mountain apple
21. <b>Tacca leontopetaloides</b>	<i>pia</i> , arrowroot
22. <b>Tephrosia purpurea</b>	<i>'auhuhu</i> , fish poison plant
23. <b>Thespesia populnea</b>	<i>milo</i>
24. <b>Zingiber zerumbet</b>	<i>'awapuhi</i> , shampoo ginger
<b>Pandanus tectorius</b> native indigenous, but probably was brought also by Polynesians	<i>hala</i> , pandanus, screwpine