

Exhibit Name

Bamboo

The Story of Bamboo and its relation to man and the environment.

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Awards: This one frame exhibit has been awarded anything from silver to gold on the national level and one FIP silver.

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BAMBOO

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The story of bamboo and its relation to man and the environment.



Peoples Republic of China, 60 fen International Rate Postal Card

ORGANIZATION

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BAMBOO

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The story of bamboo and its relation to man and the environment.

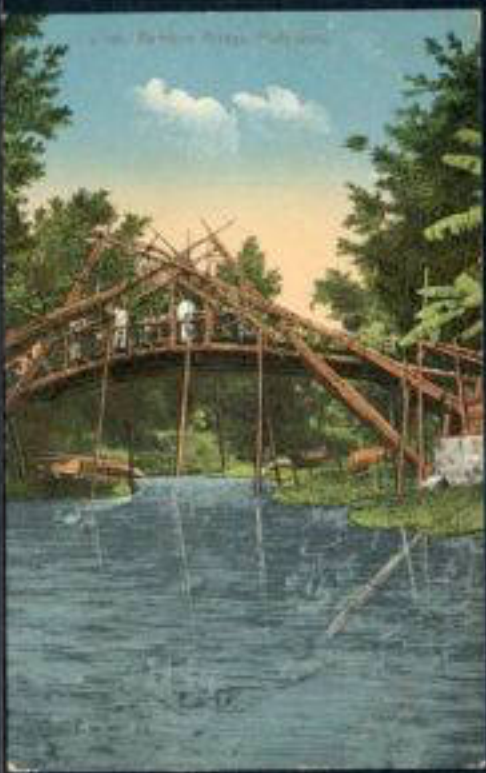


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60 fen International Rate Postal Card

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A view of the Bridge at the Falls

1. INTRODUCTION

Hi there and welcome to the wonderful world of bamboo!



1.1 CLASSIFICATION Bamboos are classified and organized by the binomial system of nomenclature of Carl Linneaus.

At least seventy-six genera, of which approximately twenty-nine are of economic importance, and twelve to fifteen hundred species, have been identified.



1.2 DISTRIBUTION Bamboos are native to all continents except Europe and Antarctica.

Many temperate species introductions were made to Europe via Botanical Fairs and Expositions in the 1900s.



Phyllostachus nigra

A popular ornamental for temperate & cool climates.



Bambusa ventricosa



Phyllostachus aurea

More popular ornamentals.

1.2 DISTRIBUTION

Despite an abundance of bamboos throughout the tropical world, countries of Africa, the Indian subcontinent and the Pacific islands have few stamps that show bamboo ...



Two bamboos (*Arundinaria gigantea* and *A. tecta*) are native to the continental United States. Bamboo thickets or canebrakes once covered large areas from Virginia to Texas. Bamboo, West Virginia is at the northern most natural limit. Tropical species now thrive in Florida's numerous botanical gardens.



... and of the Caribbean, Central and South America countries, only Jamaica and Bolivia show bamboo on a postage stamp. Jamaica even has a Bamboo post office!



1.2 DISTRIBUTION

Asia and the Orient have the greatest number of bamboo species - a small sample ...



Various unidentified species from China



Phyllostachus heterocyclus



Arundinaria racemosa



Dendrocalamus asper



Sasa quelpartensis



Schizostachum brachycladum



Phyllostachus sp.

... and more bamboo, probably *Phyllostachus heterocyclus*, in Zhuhai Park, Zhuhia City, China.



Indicum (COPY)

... and one more from Viet Nam.



Bambusa nutans

2. BAMBOO AND NATURE

Bamboo provides shelter, nesting material, and forage for animals as different as ...

a deer



this tiny tarsier



a huge domesticated elephant



a gorilla



... this Japanese Jobitaki (*Phoenicurus aureorea*)...



these tropical birds



... and watch out for this snake ...



... but these domestic ducks are safer by the bamboo.



Indicum (COPY) MIHON Overprint

Note the sprig of bamboo at the bottom and the bamboo fan in the U.L.

2. BAMBOO AND NATURE

... and now the one animal you most frequently associate with bamboo - THE PANDA!
 More correctly, the giant panda (*Ailuropoda melanoleuca*), an endangered species ...



The Three Bears!

... whose natural range is in the western mountains in China where in isolated bamboo groves in coniferous forests they spend their time raising the young and ...



Beijing to Hong Kong . 1973

... teaching them to eat bamboo, then sleeping and eating, and eating and eating more bamboo ...



3. BAMBOO AND ITS USES

The uses of bamboo are limited by the availability of raw material and by one's imagination and creativity.

3.1 BAMBOO AT HOME. People have used bamboo for, in, and throughout their houses, homes, and lives.



Bamboo can be combined with rattan to make all sorts of mats and baskets ...



Empty

Full

Time to rest on a bamboo stool or bench.



3.2 BAMBOO AND INDUSTRY

he worlds of industry and engineering have barely explored bamboo.

3.2.1 BAMBOO FOR ENGINEERS

Chinese engineers have used bamboo for-

piping in brine wells



suspension bridge cables
and in arch type bridges.



Bamboo's strength permits it to be used in
fences (Takeho-gaki style)

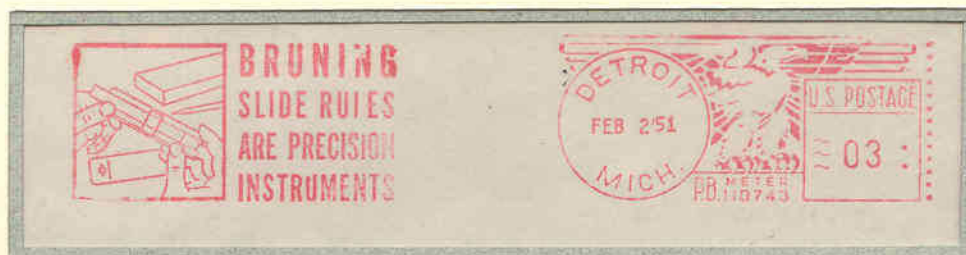
scaffolding



Early airships by Augusto
Severo & Santos Dumont used
bamboo in frames and gondolas.



Due to its dimensional stability, bamboo was often used for slide rules...



... and Thomas Edison used a carbonized bamboo filament in his early light bulbs.



Flat Plate



Coil



Rotary Plate

The Edison estate in Ft. Meyers, Florida still has many bamboo clumps on the property.



3.2 BAMBOO AND INDUSTRY

3.2.2 BAMBOO PAPER

Before the invention of paper, bamboo tallies (flattened strips of bamboo) were used for writing.

The invention of paper by Tsai Lun changed life in China forever.



Tallies in right hand



Traditional bamboo paper making is shown below.



Harvesting Culms



Cooking Pulp



Draining the Mould



Removing Mat from Mould



Drying and Inspection

Since 1900 India has been a major supplier of fine bamboo papers.

In 1944 Titighur Paper Company provided the bamboo paper for the Pacheng Printing of these Chinese stamps.

The Forest Research Institute, A world leader in bamboo research



The South India Paper Mills Ltd. produce Nandi brand bamboo paper and (card)board in Nanjangud.



3.3 BAMBOO AND THE POST

Bamboo post offices can be found in the West at ...

Bamboo, Jamaica



Bamboo, North Carolina



...but China provides us with the greatest variety including...

Bamboo Hill



East Side of Bamboo



New Bamboo



Yard of Violet Bamboo



... and Thailand has used a variety of locally-made bamboo cancelling devices or killers.



Pitsanuloke to Bangkok, 1946

Violet circular 10 internal censor mark

3.4 BAMBOO AND THE ARTS

Bamboo is a common subject in many Chinese and Oriental paintings ...



Fans with bamboo paintings were popular in the Ming and Qing Dynasties.



Bamboo by Hsiang Te-hsin



Bamboo and Rock by Zheng Banqiao



Bamboo and Sparrows by Zhou Zhimian

Bamboo was the subject of scroll paintings in many dynasties.



Sung



Sung



Qing



Ming

Stylized bamboo designs figure prominently in Korean art.



3.4 BAMBOO AND THE ARTS

The Tale of the Bamboo Cutter (*Taketori-monogatari*) and the Moon Princess (*Kaguya-hime*) is a classic Japanese folk tale dating from approximately 900 AD.



Bamboo has inspired the following art forms -



Decorated Culms



Engravings from New Caledonia



Celadon Pottery
Bamboo Motif

The hard roots and heavy walled culms can be carved and polished into these unusual forms.



And finally a New Year's Horse makes his way toward a bamboo grove on this booklet cover.



3.4 BAMBOO AND THE ARTS

Bamboo is used for a great variety of artistic purposes including:

Musical instruments like these pan pipes and flute,



the unique bamboo organ at Las Pinas,



this Korean Tai-keum (large flute),



or a Liberian Mang Harp.



A Papuan *Sing Sing* would not be complete with a bamboo ...
iviliko and nose flute



Musicians from the Caribbean to the South Pacific use and play bamboo instruments.



3.5 BAMBOO AT SEA

Bamboo is used for ...
decks on large rafts

simple rafts

and for toy rafts.



Unlisted Imperforate Error



Bamboo outriggers provide stability for these native craft.



Bamboo masts, spars, booms, and sail battens are found on many traditional junks.



Kuliang, China (6-Sept 1926) and received Narberth, Penn., USA 25-Sept 1926) Block of 12 One cent stamps on reverse.

3.6 BAMBOO AT WAR

Bamboo has been used for a variety of weapons...
primitive spears



ritualistic kendo sticks



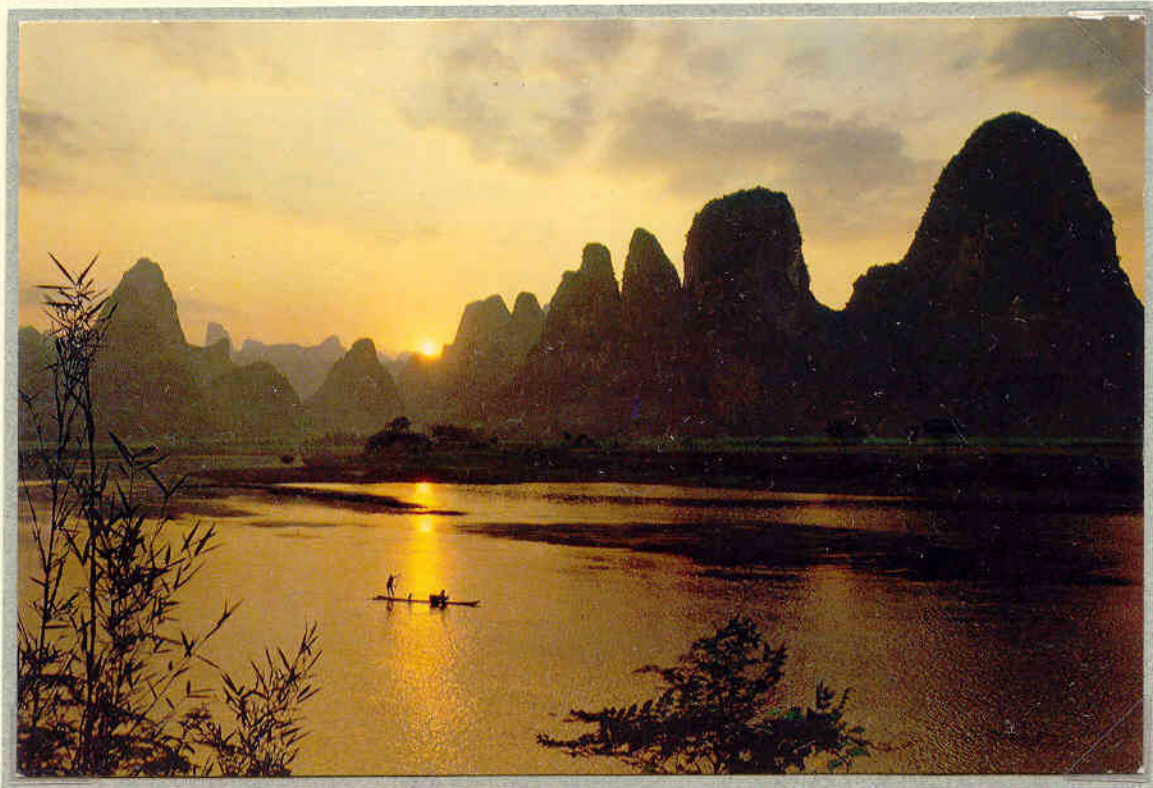
... arrow shafts from *Pseudosasa japonica* commonly called arrow bamboo.



4. CONCLUSION

Hi there, again. We hope you have enjoyed your brief tour of the wonderful world of bamboo. To regain our serenity, let us conclude with a sunset cruise on a bamboo raft by the bamboo groves (*Dendrocalamus latiflorus*) on the Lijiang River.

<- *B. vulgaris* cv. *Vitatta* in background



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