

BY LUCILLE YAP

$\square$
he largest and heaviest living land animals, elephants are mammals belonging to the family Elephantidae. They are the only surviving members of the order Proboscidea, which is named after the group's most distinguishing organ - the species of large elephant-like creatures that lived in Africa, North America, Europe and Asia. Today, only two species survive: the African elephant (Loxodonta africana) and the Asian elephant (Elephas maximus).
Extinct cousins of the two extant elephantids include the mammoths (Mammuthus spp.). These huge elephant-like beasts, of
which there were seven species, thrived in cool climates and fed which there were seven species, thrived in cool climates and fed is the fwoolly mammoth (Mammuthus primigenius), which had a long coat of shaggy hair that helped it survive harsh winters in the Arctic. Mastod their own family, Mammutidae. Unlike mammoths, which graze on low vegetation, mastodons are adapted for browsing on leaves and lived in more wooded habitats. The most famous species is probably the American mastodon (Mammut americanum), a massive, hairy animal with tusks that could reach 5 metres
in length. in length.

IG ANIMALS, SHRINKING HABITATS
Mammoths and mastodons roamed the earth until they became extinct about 10,000 years ago. Present-day elephants are also fast disappearing. From millions of lephants living in Asia and Africa in earlier centuries, and 400,000 to 650,000 individuals in Afvic The African elephant has become extirpated from North Africa while Asian elephants are no longer found in West Asi (from Iran to Pakistan), Java and most of China.
Asian elephants can be found in isolated popuations in areas as shown on the map below. Their habitats are mainly grasslands, tropical forest, and scrubland. There are six subspecies of Asian elephants, two of which are extinct. The Sri Lankan elephant ( $E l-$ ephas maximus maximus) is found only on the island of Sri Lanka, where it lives in forests and grasslands. The Indian elephant (Elephas maximus indicus) is found in eleven mainland Asian countries: India, Nepal, Bangla Cesh, Bluan, Myandar Maiand, Mina The Sumatran lephant (Elephas maximus sumatranus) is restricted
to the island of Sumatra in Indonesia, where it survives in forested regions and patchy habitats.
On the island of Borneo lives the Borneo Pygmy elephant (Elephas maximus borneensis), a dwar
subspecies confined to the northern and northeastern parts of the island. These animals are possibly descended from the now-extinct Javan elephant. The Chinese or Pink-tusked elephant (Elephas maximus rubridens) once ranged across Central and Southern China, but was hunted to extinction for the ivory trade Another extinct subspecies is the Syrian elephant Elephas maximus asurus), which formed the westernmost population of the Asian elephant and vanished by around 100 BCE as a result of excessive hunting for its ivory.
African elephants can still be found in 37 countries on the continent, mainly in central and southern Africa There are two subspecies. The African Savannah or Bush grasslands, deserts and wet marshes, while the smaller African Forest elephant (Loxodonta africana cyclotis) is restricted to forests in central and western Africa

## African or Asian?



Asian
Smaller
Height: $2-3.5 m$
Weight: $3,000-5,000 \mathrm{~kg}$
Convex or level back
Small
$n^{\prime}$ Shaped Top
Small or absent in the female
One finger at the tip
Smoother skin and
slightly hairier
5 Toenails
Grass, leaves and the leaves, twigs and bark of trees. Favourite food are wild bananas, bamboo shoots and

## Know the Difference



African - Body Size -

Height: 3-4m Weight: 4,000

Body Shape -

- Ears -
- Head -
-Tusk -
2 fingers at the tip
less hairy
Feet - 4 Toenails
Diet - $\quad$ Soft fruit and the inner Soft fruit and the inner
bark of trees such as Acacia gerardi


SYMBOLISM AND SIGNIFICANCE IN ASIA SYMBOLISM AND SIGNIFICANCE IN ASIA
Elephants have a strong presence in the religions, art and culture of Asia. They are respected as sacred aniancient symbols of strengths, royalty luck and wisdom. In the Indian Epic Ramayana, Airavata is a white lephant who carries the Hindu god Indra. Airavata has four tusks and seven trunks and is totally white In Indochina, Airavata is known as the three-headed Erawan. The three heads represent the three major Hindu gods: Brahma, Vishnu and Siva. Depictions of Erawan can be seen in many religious art forms. In Buddhism, the elephant Chaddanta is said to b a reincarnation of Lord Buddha before he was born as
man. The legendary elephant has a white body and six tusks. It appeared in a dream to Queen Maya (the mother of $G$ utama Buddha) before Buddha was bor White elephants the there received with utmost care and respect in Buddhist countries. The are regarded as auspicious. Kings in Thailand have al ways maintained a herd of white elephants as a symbol of royalty. The white elephants are actually not white but rather albino elephants that come in shades of grey or pink.
Another religious form of the elephant is Ganesha, a Hindu god. The deity is easily identified by his elephant head and human body. He is worshipped a


The statue originally stood in front of Victori Memorial Hall when it was erected on 25 June 1872. In 1919, when Sir Stamford Raffes statue was put in its place for Singapore's
Centenary Cele rotions, the Elephant Statue Centenary Celebrations, the Elephant Statue was moved to the Court House, which later became the Assembly House and is now

A familiar sight to Singaporeans, the bronze Elephant Statue outside the High Street entrance of Parliament House was given to the people of he had received during his visit between 16 and 23 March 1871.

King Chulalongkorn or King Rama V, who reigned from 1868 to 1910, was the fifth sovereign of the royal dynasty which founded Bangkok and is credited for modernising Thailand. His visit to Singapore in 1871 marked the first time a Thai monarch had ever visited a foreign country. King Chulalongkorn's official state visit marked the start of close friendship ties between Thailand and Singapore, which is still enjoyed by both countries today. King Chulalongkorn made a second visit to Singapor on 30 May 1890.

sincriptions The pedestal bears inscript
in Siamese, Jawi, Chinese,
. and English and reads: "His Majesty Somdetch Paramindr
Maha Chulalongkorn, the Maha Chulalongkorn, the
Supreme King of Siam, landed Supreme King of Siam, anded
Singapore, the first foreign land
visited by visited by a Siamese M
the 16th March, 1871 "

## ACING EXTINCTION

In the past 100 years, the Asian elephant population ha declined by $90 \%$ and their available habitat has shrunk in the wild compared to approximately 200,000 a tury aro. There are also approximately 15,000 As elephants living in captivity
If this trend continues, the Asian elephant could be extinct within the next 30 years. This rapid decline in numbers led to the inclusion of the Asian elephant to the IUCN's (International Union for Conservation of Nature) red list of endangered species in 1986.

## ELEPHANTS AND HUMANS

The Asian elephant was the first elephant species to be tamed. It was domesticated by the peoples of the Indus Valley (now Pakistan) and nearby regions over 4,000 years ago. Domesticated elephants are used as vehicles elephants are also used to do laborious work They are popularly used in the timber industry for logging.
Elephants were also used in battles as early as 1,100 BCE. Their intelligence and massiveness made them powerful weapons against troops that were not trained to deal with them. War elephants in Southeast Asia were used until the end of 19th century. Non battle trained elephants were used for other military purposes as late as World War II.


## HABITAT LOSS AND FRAGMENTATION

This is the biggest threat to the continuing survival of Asian elephants. Asian elephants are found in countries of economic development. Natural forests are being cleared at alarming rates to develop towns and cities to house these growing populations. Well-drained lowand forests, which are the elephants' prime habitat, are being cleared for agricultural cultivation. Logging carried out by timber industries is also responsible for deforestation.
One country noted for its abundant elephant population in the past is Cambodia. Unfortunately, Cambo dia has suffered disastrous environmental losses in the past 30 years due to war which ravaged the country and its forests.

These human activities displace many forestlso affect the environment giving rise to many issues including soil erosion and flash floods due to the los of plant cover. The shrinking of elephant habitats and forest fragmentation cause food supplies to be reduced, migration routes to be cut off, and living spaces to b more crowded. This is detrimental to the elephants because they are large animals which require vast living areas and abundant food supplies.
As a result, some elephants have been driven to seek for food in human settlements. They destroy crops and cause human deaths. Farmers chase and shoot them a they regard them as pest
 (4)

24 | OCTOBER - DECEMBER 2011

## ELEPHANT POQACHING

Elephants are hunted primarily for their ivory tusks, meat, hide and other body parts. Asian elephants, which have smaller or no tusks may be less vulnerable to poaching than African elephants. But Asian ivories Studies have for intricate carving as they are softer
shory poaching is responsible for a decrease in the elephant population, in particular male änimals, in India, Cambodia, Vietnam and Laos One of the problems associated with poaching male Asian elephants is the creation of serious imbalances in the ratio between the sexes. This affects not just the rate of reproduction but also leads to a decline in the necessary genetic diversity required to ensure healthy populations. This phenomenon is being demonstrated by the growing numbers of male elephants without tusks as the 'tusk gene' is disappearing.

Despite worldwide protection through the Convention on International Trade in Endangered Species
(CITES) Treaty elephants are still being killed for (CITES) Treaty, elephants are still being killed for offered for elephant products, particularly ivory the lack of effective enforcement, and the remoteness of areas of elephant habitat. Despite growing public of areas of elephant habitar. Despite growing public
awareness, there is still enormous demand in China and Japan for ivory products, particularly netsuke (ivory sculptures) and personal name seals.

## HOW DO WE SAVE THE ELEPHANTS?

irst and foremost, we should conserve the elephant habitats and prevent further encroachment an estruction of their natural homes. We must also prevent the destruction or obstruction of their migrasources of food. Secondly, it is important to manage the human elephant conflict by educating local communities nd creating awar We must prevent the illegal killing of wild elephants and combat the mistreatment of elephants in captivity.
Thirdly, there must be support for organisation set up to better protect the elephants through improved egislation and law enforcement, improved and enhance field patrols, and the regulation or curbing of trade in vory and other elephant products
Conservation centres have been set up in many abandoned animals, conduct programer to the people and generate awareness of the elephants plight, and raise funds to conserve the largest animal on land.

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## Elephant

Stampede

## 11 November 2011 - 15 January 2012

This exhibition at the Singapore Philatelic Museum is organised in conjunction with Elephant Parade Singapore 2011, the first parade in the series to be held in Asia from .
Through stamps, the exhibition traces
$\qquad$ the shrinking of the elephant habitats, and factors that have caused the reduction in elephant populations. The plight of elephants facing extinction, in particular
Asian elephants, and the need for elephant conservation are also highlighted. In ad dition, the exhibition will display a smal natural history collection from the Raffles Museum of Biodiversity Research, National University of Singapore

The star of the exhibition is a unique
elephant sculpture specially created for Elephant Parade Singapore 2011. The sculpture was creatively and artistically presented by local sculptor and artist Sun Yu-li in collaboration with the Singapore Philatelic Museum. Thousands of postage stamps from around the world were used to added the creative touch of his sign Sun Universal Symbols - the dots his signature This elephant sculpture, nand lines. Emily is part of a herd of over 150 life size baby elephants that will go on parade in January 2012 at a selected venue in Singapore. All the elephant sculptures will be auctioned off on 12 January 2012 elephants.


The creation of the
The creation of the
unique elephant unique elephant
sculpture by Mr Sun
Yu-li i in progress. Yulili in progress.

## The origin of

 Eluphint PARADEElephant Parade was founded by father and son duo Marc and Mike Spits. They were inspired after meeting Soriada Salwala, the founder of the first elephant hospital in the world in Lampang, near Chiangmai, Thailand. At the elephant hospital, Marc was introduced to a baby elephant named Mosha who had lost her leg after stepping on a landmine. Mosha inspired Marc to create Elephant Parade

Elephant Parade is the world's largest open air art exhibition in support of the conservation of the Asian elephant. During a period of several months, brightly painted life-size model elephants decorate the streets of selected cities. Painted by local and international artists, by a leading auction house Part of all proceeds from Elephant Parade is donated to The Asian Elephant Foundation (www.theasianelephantfoundation.org) the main beneficiary of Elephant Parade.

