

# Unique Challenges in Transporting Nonhuman Primates

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## Goals of Live Animal Transport

- **Safety** : of the animal cargo, other animals in transit, & humans that may contact the animals in transit
- **Security** : secure primary enclosures to maintain confinement and ensure Biosecurity
- **Humane Transport** : ship healthy, competent animals, and meet their species specific husbandry needs
- **Regulatory Compliance** : often includes conformance with variety of agencies with overlapping guidelines – Customs, Animal Health, Animal Care, Public Health & CITES authorities
- **Timely Delivery** : *after* giving priority to the above goals, strive for the shortest travel time from packing to destination



## Safety issues of NHP in Transit

- Focus on Safety of Animal cargo, and human contacts
- Health Status of each animal assessed to assure animal vigor, and absence of signs of infectious, contagious disease
- Behavior and risks of escape, trauma to other animals, themselves, and human contacts.
- Cargo Segregation to prevent cross contamination & maintain BioSecurity
- In Transit Care oversight to assure proper feed / water and management

## Security of NHP's in Transit



- Security of Primary Enclosures
- Crate construction
- BioSecurity
- Perceptions

## Humane Transport of NHP's



- In transit monitoring & care – experience, planning, & resources
- Reduce stress
- Timely Delivery
- Specie specific concerns

## Regulatory Compliance in transporting NHP's

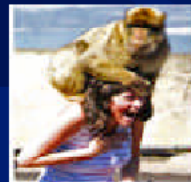


- Licensed and Registered Facilities
- Documentation and Airport Inspection of shipments
- IATA; Customs; USDA/APHIS, Homeland Security; USPHS-CDC; USFW / CITES Authority

## Perception of NHP's

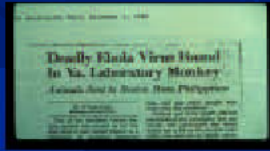


## Public Confusion



- What is the proper attire? Fear, Safety, Knowledge
- People have intrinsic interest in the NHP's

## Communication



- Purpose Bred Mauritius origin cynomolgus macaques – tested negative for t.b., B virus, Filovirus, SAIDS
- Fears of Outbreak – Washington Post December 1989. The Philippine Monkey ‘Ebola’ was later found not to cause illness in humans.
- NHP exports have faced embargos from supplying countries due to animal rights pressures, and disease outbreaks in wild animals (Rabies, Filovirus) and in people (SARS)

## Animal Rights Groups Impact



- Air Carriers, Ground Crew, and Public perception
- Truth about Laboratory Animals
- Value of business transporting NHP's – Carrier v.s. Users
- Charter Plane Imports – pros & cons

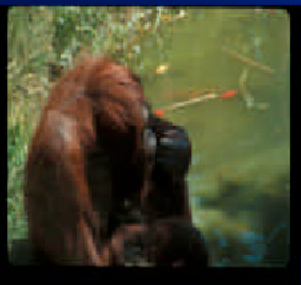
## Chartered Cargo Flights



- Costly and somewhat difficult to arrange.
- Receiving facility must have large quarantine capacity – 1200 monkeys, v.s. 120 monkey shipment
- Improved transit time, biosecurity and control in transit



## Working with Air Carriers



- Communicate, Train, Interact
- Regulatory Compliance
- Importance of cargo & expectations