RECORDKEEPING RECOMMENDATIONS

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The importance of keeping accurate, detailed records on all aspects of orangutan husbandry is extremely valuable. Thorough records can provide caregivers, curators, veterinary staff, researches, captive management groups, and governmental bodies a historical knowledge that they can utilize in many ways. Although recording complex events like introductions, medical procedures and training is important; it is just as significant to keep consistent records of such basic things as weight, stool consistency and food preferences. Together they lend a greater effect to the overall knowledge the individual animal.

There are several methods of record keeping available to most institutions today. These include paper and computerized forms, databases, digital photography and video. All of these methods allow for a very comprehensive and usable historical reference for each individual animal. There are many situations that using video recording can be very effective, such as introductions, medical procedures and births. Events can be viewed in real time and at a later time when they can be fully interpreted. More and more institutions and management groups are compiling video libraries from which can be access by other members.

Most AZA institutions use ARKS (Animal Records Keeping System), MEDARKS (Medical Animal Record Keeping System) and SPARKS (Single Population Analysis Record Keeping System) to record and organize their animal information. The most recent version of ARKS allows for more extensive entry and utilization of husbandry and behavior comments. This systematic record of husbandry and behavior is invaluable to the captive management of all species. Detailed records allow institutions to better manage their animals when planning births, introductions, behavioral enrichment and training programs.

Keeping accurate records avoids having genetically valuable animals kept in inappropriate or non-breeding situations. Accurate records have been extremely helpful when an animal is sent to another institution. It can ease the transition of a move for an animal by allowing the receiving institution to review a detailed history of the animal prior to the transfer. Any necessary changes in husbandry routine can be made before the animal arrives at the institution.

Following are examples of data forms used by various institutions to record behavioral and husbandry information. The infant development (Appendix I) and shipping survey (Appendix II) forms are also available through the Husbandry Advisor, Carol Sodaro casdoaro@brookfieldzoo.org. Animal Data Transfer, Enrichment and Training forms are available through the Animal Keepers Forum.

APPENDIX I

Date	Institution		
Infant Name	Studbook #		
ISIS #	Sex	Date of Birth	
Time of Birth	Locatio	on of Birth	
Bornean	_ Sumatran	_ Hybrid	
Dam Name	Dam ISIS	# Dam Studbook #	
Sire Name	Sire ISIS #	Sire Studbook #	
Names, Sex, Stu	udbook #'s of othe	r animals present for birth	
Were the above	e listed animals ho	used with the dam after	
birth?	If not, why?		
When were the	were introduced to	sthe dam and infant?	
when were the	ey re-introduced to	the dam and infant?	
Description of I	labor, birth and po	st-partum behavior	
Did Dam inges	t the placenta?		
Time of first nu	rsing L	_ength of first nursing	

Group Composition:						
Sex/Name	Studbook #	— —	Age/R	(m/d/	ship to Infant (y)	
PHYSICAL DEVELOPMEN	NT/BEHAVIOR	Date 1st Observe		Age	Location	I.D. <u>Partner</u>
Foraging Attempts to touch food Describe						
Mouths food Describe						
Ingests food Describe						
Drinks water Describe						
Food share solicit Describe						

	-3-			
ORANGUTAN INFANT DEVELOPMENT PHYSICAL DEVELOPMENT/BEHAVIOR	NT SHEET Date 1st			I.D.
PHISICAL DEVELOPMENT/BEHAVIOR	Observed	Age	Location	Partner
Locomotion				
Changes position on dam				
Describe				-
Horizontal surface(assisted)				
Describe				-
Horizontal surface(unassisted				
Describe				-
Vertical surface(assisted				
Describe				-
Vertical surface(unassisted)				
Describe				_
Brachiates				
Describe				-
Bipedal standing				
Describe				
Bipedal walking				
Describe				
Object Manipulation				
Tactile manipulation				
Describe				_

PHYSICAL DEVELOPMENT/BEHAVIOR	Date 1st			I.D.
	Observed	Age	Location	Partner
Object Manipulation				
Oral manipulation				
Describe				-
Sociosexual Behaviors				
Infant mounted by Dam				
Describe				_
Genital touch/inspect by Dam				
Describe				_
Genital oral/inspect by Others Describe				
				_
Self genital manipulation				
Describe		 		_
Social Development				
Independence from Dam Out of contact				
Describe				_
Out of reach				
Describe				_
Greater than 2 meters				
Describe				

	Date 1			I.D.
PHYSICAL DEVELOPMENT/BEHA	AVIOR Observe	d Age	Location	Partner
Carried by animal other than				
Dam				
Describe				
Describe				
Infant independently shifts				
from cage to cage(or exhibit)				
Describe				
Nest builds				
Nest bullas				
Describe				
Head covers				
ricud covers				
Describe		 		
Tool use				
Describe				
Vocalizations				
Kiss squeak				
11133 3queur				-
Describe				
Submissive whimper				
Describe				
Fear cry				
,				
Describe				

	Date 1st		I.D.
PHYSICAL DEVELOPMENT/BEH	IAVIOR Observed Age	Location	Partner
Interactions with others			
Contact - other initiates			
Describe			
Contact - infant initiates			
Describe			· · · · · · · · · · · · · · · · · · ·
Grooming - other initiates			
Describe			
			
Grooming - infant initiates			
Grooming - iniant initiates			
Describe			
Play - other initiates			
Describe			
Describe			
Play - infant initiates			
Describe			
Interactions with others			
Aggression - towards infant			
Describe			
Aggression - infant initiates			
riggression infantimidates			
Describe			

Date 1s	t I.D.
PHYSICAL DEVELOPMENT/BEHAVIOR Observed	Age Location Partner
Submission - by other	
_	
Describe	
Submission - by infant	
D 1	
Describe	
Additional observations/comments	
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· · · · · · · · · · · · · · · · · · ·	
Names/Titles of staff members who participate	ed in this project:
marries/ fittles of staff members who participate	ed in this project.
Date	

APPENDIX II

Orangutan SSP© Animal Transfer Survey

Animal I.D. Information Name/Studbook# of Animal Being Moved: Sending Institution: **Receiving Institution:** Date of Transfer: *Sending Institution Information:* How long was this animal at your institution prior to this shipment? What was it's social grouping at time of shipment? How long prior to shipment was the animal removed from its social group? What was the method was used to crate the animal? Was any husbandry information exchanged about the animal prior to shipment Did you send the animals APES profiles to the receiving institution prior to shipment? Did keeper staff from the receiving institution visit your institution prior to shipment? Please describe any management routines you implemented to prepare the animal for transfer: If yes: Did you send keeper staff (familiar with the animal) with the shipment? If yes, how long did they remain at the receiving institution? Receiving Institution/Keeper: If you were able to visit the animal prior to shipment: Time length of visit? How long prior to the shipment did they visit? Time length of visit:

Did the visiting keeper observe the animal in its daily routine?

Did the visiting keeper interact with the animal in any way? Please describe

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Phone number
mail address

If you have any questions about this survey, please the SSP® Husbandry Advisor, Carol Sodaro, at casodaro@brookfieldzoo.org.