Long-tailed Macaque
Macaca fascicularis

Macaque key behaviors:
- Foraging
- Visual
- Locomotion (travel/movement)
- Social

Macaque Enrichment parameters:
- Macaques can have enrichments created with the following materials:
  - Wide range of natural materials: bamboo, logs, branches, grape vine wreaths, pinecones, hay, straw, Spanish moss, wood, plastic, and coconut shells
  - Non-toxic browse, leaves or grasses
  - Other materials: heavy plastics (*i.e.* frisbees, baby pools, pvc pipe, barrels, rubber maid tubs), fire hose, boxes, paper bags, cardboard tubes, cardboard egg cartons, newsprint paper, paper towel or paper mache objects (made from newspaper and flour/water paste)
  - Various scents: fresh herbs, Spices, oils and extracts (*packaged for human consumption*) and perfumes
  - Non-toxic bubbles
  - Non-toxic glue
  - Non-toxic paints
  - Items can be hung with sisal rope, bungees, carabineers and clips (**Avoid making loops with rope or bungees that macaques could get their head stuck through. Make sure they can’t be pinched/hurt by the way it is hung**)

- Macaques cannot have any of the following materials used to create enrichment items:
  - No tape
  - No staples
  - No string
  - No plastic bags, wrap or liners
  - Watch for fraying materials that could be ingested
  - Avoid ropes or bungees that are looped – this could be a choking hazard
  - Watch out for potential pinching or choking hazards – nothing a macaque could get stuck in (head, fingers, etc.)
  - If you want materials on exhibit, think about how items can be perceived by the public, nothing that looks like trash, and more natural colors like browns and greens.
Long-Tailed Macaque
*Macaca fascicularis*

### General Information

| Size       | 1.25-2.13 ft. body length  
|            | Tail longer than body length
| Distribution | Southeast Asia: Thailand, Malaysia, Cambodia, Vietnam, Indonesia, and the Philippines

| Weight     | Males: 10.4-18.3 lbs.  
|            | Females: 5.5-12.6 lbs.
| Habitats   | Wide variety of habitats: Primary and secondary forests, mangroves, coastal areas, riverine areas, and areas bordering human settlements

| Lifespan   | Around 31 years
| Weight     | Males: 10.4-18.3 lbs.  
|            | Females: 5.5-12.6 lbs.
| Wild Diet  | Majority of diet consists of fruit (up to 82%), but will also eat other vegetation, fungi, eggs, frogs, crabs, and will scavenge from human settlements, crops, and tourists

| Reproduction | Females reach sexual maturity around age five and give birth after 5.5 month gestation to one infant, born with black hair. Dominant male sires 80% of offspring. Mothers are primary caregivers.
| Zoo Diet     | Fruits and veggies, primate gel, primate biscuits, konjac

| Social     | Live in multi-male, multi-female groups of 6 to 58 individuals. Females stay with natal group while males leave between the ages of 4 and 6. Social hierarchy is maintained through grooming.
| Conservation Status | Least Concern. This species is highly adaptable to different habitats. Threats include hunting, habitat loss, and persecution as a pest. Invasive on the island of Mauritius.

### IZ Specific Information

- **7 Males.** Males have hair on their upper lip and tend to be larger than females.
- **24 Females.** Females have beards and tend to be smaller than males.

We received our macaques from a breeding facility in South Carolina.

### Resources

4. J. Williams, personal communication, October 18, 2017.
5. Shaw, Michelle. Personal communication, February 18, 2018. Email. (Approval)
Macaque Names

Local schools were invited to submit names for our macaque troop which were then selected by our keepers. Several of our macaques were named after retiring zoo employees. The macaques are sorted on this list from oldest to youngest.

**Males**

<table>
<thead>
<tr>
<th>Name</th>
<th>Birthdate</th>
<th>Name Origin</th>
<th>Relationship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graham</td>
<td>4/29/2003</td>
<td></td>
<td>Father of Kera, Zuki, Rosey, Java, River, Tytus, Cynde, and Chi</td>
</tr>
<tr>
<td>Ron</td>
<td>9/7/2014</td>
<td>For retired zoo employee</td>
<td></td>
</tr>
<tr>
<td>Tytus</td>
<td>6/28/2016</td>
<td>Waverly Elementary</td>
<td>Son of Graham and Mango</td>
</tr>
<tr>
<td>Manny</td>
<td>7/21/2016</td>
<td>Greenwood Middle School</td>
<td></td>
</tr>
<tr>
<td>Sully</td>
<td>7/21/2016</td>
<td>Spring Mill Elementary</td>
<td>Half-brother of Millie</td>
</tr>
<tr>
<td>Paul Grayson</td>
<td>4/19/2017</td>
<td>For retired zoo employee</td>
<td>Son of Willow</td>
</tr>
<tr>
<td>Chi (Pronounced like Kai)</td>
<td>9/1/2018</td>
<td>Meaning “One having spirit”</td>
<td>Son of Graham and Kathy</td>
</tr>
</tbody>
</table>

**Females**

<table>
<thead>
<tr>
<th>Name</th>
<th>Birthdate</th>
<th>Name Origin</th>
<th>Relationship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mango</td>
<td>7/20/2009</td>
<td>Greenwood Middle School</td>
<td>Mother of Kera, Rosey, and Tytus</td>
</tr>
<tr>
<td>Walla</td>
<td>8/18/2010</td>
<td>G.W. Carver Montessori IPS #87</td>
<td>Mother of Java; Half-sister of Glenda</td>
</tr>
<tr>
<td>Ruby</td>
<td>8/28/2010</td>
<td>Danville South Elementary</td>
<td>Half-sister of Ambe</td>
</tr>
<tr>
<td>Ambe</td>
<td>8/29/2010</td>
<td>Waverly Elementary</td>
<td>Half-sister of Ruby</td>
</tr>
<tr>
<td>Anna</td>
<td>8/30/2010</td>
<td>G.W. Carver Montessori IPS #87</td>
<td>Mother of Zuki and River</td>
</tr>
<tr>
<td>Macki</td>
<td>9/1/2010</td>
<td>Waverly Elementary</td>
<td>Mother of Ren and Cynde</td>
</tr>
<tr>
<td>Momba</td>
<td>11/24/2010</td>
<td>Waverly Elementary</td>
<td>Mother of Chi</td>
</tr>
<tr>
<td>Kathy</td>
<td>6/18/2013</td>
<td>For retired zoo employee</td>
<td>Mother of Chi</td>
</tr>
<tr>
<td>Sammy</td>
<td>8/28/2013</td>
<td>Greenwood Middle School</td>
<td>Half-sister of Luna</td>
</tr>
<tr>
<td>Delilah</td>
<td>11/11/2013</td>
<td>North Decatur Elementary</td>
<td></td>
</tr>
<tr>
<td>Willow</td>
<td>12/2/2013</td>
<td>Spring Mill Elementary</td>
<td>Mother of Paul</td>
</tr>
<tr>
<td>Adila</td>
<td>6/22/2014</td>
<td>St. Lawrence Catholic School</td>
<td></td>
</tr>
<tr>
<td>Glenda</td>
<td>6/29/2014</td>
<td>For retired zoo employee</td>
<td>Half-sister of Walla</td>
</tr>
<tr>
<td>Kera</td>
<td>7/30/2014</td>
<td>G.W. Carver Montessori IPS #87</td>
<td>Daughter of Graham and Mango</td>
</tr>
<tr>
<td>Millie</td>
<td>8/26/2014</td>
<td>Danville South Elementary</td>
<td>Half-sister of Sully</td>
</tr>
<tr>
<td>Marlow</td>
<td>9/8/2014</td>
<td>St. Lawrence Catholic School</td>
<td></td>
</tr>
<tr>
<td>Luna</td>
<td>9/9/2014</td>
<td>Greenwood Middle School</td>
<td>Half-sister of Sammy</td>
</tr>
<tr>
<td>Amari</td>
<td>11/3/2014</td>
<td>Greenwood Middle School</td>
<td></td>
</tr>
<tr>
<td>Zuki</td>
<td>5/5/2015</td>
<td>Waverly Elementary</td>
<td>Daughter of Graham and Anna</td>
</tr>
<tr>
<td>Rosey</td>
<td>7/31/2015</td>
<td>St. Lawrence Catholic School</td>
<td>Daughter of Graham and Mango</td>
</tr>
<tr>
<td>Java</td>
<td>6/14/2016</td>
<td>G.W. Carver Montessori IPS #87</td>
<td>Daughter of Graham and Walla</td>
</tr>
<tr>
<td>River</td>
<td>6/14/2016</td>
<td>Hope Elementary</td>
<td>Daughter of Graham and Anna</td>
</tr>
<tr>
<td>Ren</td>
<td>9/22/2017</td>
<td>Named by donors</td>
<td>Daughter of Momba; sister to Cynde</td>
</tr>
<tr>
<td>Cynde</td>
<td>8/2/2018</td>
<td>Named after donors</td>
<td>Daughter of Graham and Momba; sister to Ren</td>
</tr>
</tbody>
</table>
Macaque Spotlight Profiles

Graham
April 29, 2003
Graham is the oldest and most dominant male in our troop. He is very food motivated and will lip smack with humans, which could be a sign of contentment or a request for friendship. Graham is father to Kera, Zuki, Rosey, Java, River, Titus, Cynde, and Chi.

Java
June 14, 2016
Like her mother, Walla, Java has dark cheek lines and a prominent brow. She also has pointy ears, with tags in both. Java can often be found playing with Ren and is sometimes interested in interacting with the keepers.

Ren
September 22, 2017
You may see Ren with mother Momba, or playing with Java. Ren has tags in both of her ears. She can be skittish around people and prefers the other macaques.

Paul Grayson
April 19, 2017
Paul Grayson is very interactive with the keepers and enjoys feeling objects that the keepers show him. Paul Grayson can be identified by a tag in his left ear and his dark face. He can often be found playing with the other young boys.

Anna
August 30, 2010
Anna can be identified by her ¾ tail and larger body size as well as having a dark line between her eyes and a whiter face. She is mother to Zuki and River. Anna prefers her fellow macaques over keepers.

Mango
July 20, 2009
One of the dominant females, Mango can be easily identified from the other macaques because of her large body size and the lack of a tail. She is very food motivated and is eager to train and interact if food is present. Mango is mother to Kera, Rosey, and Tytus.
| **Momba**  
**November 24, 2010**  
Momba is our most dominant female and can usually be spotted following her daughter Cynde. While she prefers macaques to humans, she is food motivated and will train with keepers if good treats are presented. |
|---|---|
| **Walla**  
**August 18, 2010**  
Walla is the second most dominant female after Momba. She can be identified by her thick, full beard, dark cheek lines, flat ears, and prominent brow. Walla is mother to Java and shares a mother with Glenda. |
| **Manny**  
**July 21, 2016**  
Manny is darker in color compared to the other younger males with a darker black on top of his head. He is very interactive with his keepers and likes to feel the keeper tools like gloves, brushes, and broom handles. |
| **Macki**  
**September 1, 2010**  
Macki is a middle-ranking female who can be identified by her ¾ tail, gray nose and face, and overall darker body color. Macki very much enjoys being interactive with her keepers. |