Both school children and adults are fascinated by the colorful lorises and lorikeets at the public feeding exhibit daily at the Marine World Africa USA, Vallejo, CA. Shown is a group of students with Mary O’Herros, Marine World staff.

This youngster is really enjoying his beak full of lories.

The lory feeding exhibit is large enough for numerous visitors but small enough so that it seems full of birds.
The best thing in the whole park!
"We came here just for this!"
"What a wonderful exhibit!"  Are they talking about the Whale Show?  Elephant Encounter?  Shark Experience?  No, lorikeets!  Yes, these are just a few of the comments we’ve received since the opening of our lorikeet aviary in 1988.  Our philosophy at Marine World is simple: education is most effective when it’s fun.  Throughout all areas of the park we strive to give our guests the most in-depth, up-close look possible at the animals with which we share our world.  A handfeeding lorikeet aviary fits right in with this philosophy and has proven to be a very effective learning tool.

We currently house 42 lorikeets of 12 different species.  They range in size from the petite Perfect Lorikeets up to the large and boisterous Chattering Lories.

The aviary itself was constructed on a slope using telephone poles and cables to support 7/8 in. x 7/8 in. nylon netting.  It is divided lengthwise into a public feeding area and a “safe” area for the birds to retreat to.  This “safe” area goes up to a slope that is covered with large boulders and grass and leads to their shelter.

The shelter consists of a completely enclosed 10 ft. x 14 ft. x 6 ft. wooden building with windows that have fold-down shutters into the aviary.  The inside walls are fiberglassed to facilitate cleaning and the floor is concrete.  It is equipped with heat lamps and Vitalights.

The keepers start the day by giving the birds one liter of liquid nectar (Nekton lory) in their shelter.  This is left for approximately 1-1/2 hours until they return to clean.  At this time, all the bowls are pulled, the shed is closed up with the birds outside and is scrubbed, hosed and disinfected with Wavicide or bleach.  The outside area is cleaned and raked and ready just in time for the 11:00 public feed.

The aviary is open to the public for two or three half-hour feedings per day depending on the time of year.  We have a double door system that allows us to let a small group of people into the air lock where we give them a brief introduction and lorikeet feeding tips.

When entering the main aviary they are given a slice of peeled apple or a grape to feed the birds.  They may stay the entire half hour and feed as much fruit as they like, however, on busy days we do try to rotate people.  We find that one half hour period is the optimum length for each feed as the birds tend to fill up in that length of time and start to lose interest in the public.  Also, their rapid digestive system goes into action and the more time people spend in the exhibit, the more wet wipes we need to pass out!

We bring down four to five liters of fruit for each feed and any leftovers are given to the birds.  During the winter, we often find it necessary to give them additional liquid nectar or powder (Avico Lory Life) to hold them over until the next feed at 3:00 p.m.

The substrate in the feeding area is decomposed granite which we have found to work very well as it is easily raked after each feed, drains well and provides good footing for the public.

After the last feed we clean up any leftover fruit in the shelter and provide an additional six liters of mixed fruit (apples, grapes, bananas, melons, papaya), one to two liters liquid nectar (in the winter it’s cold enough here to be left out all night) and one to two cups dry powder.  Just to cover all our nutritional bases the birds get a weekly blend of veggies including cooked yams, carrots, corn and sometimes broccoli mixed with their fruit or blended with sugar into a tasty cocktail.

All of the lorikeets in our aviary were handraised and have come from various breeders across the country.  The majority of them are under one year of age when we acquire them and most are just weaned.  All birds from the same breeder are quarantined together in a walk-in cage measuring 4 x 12 x 6 ft.  They may range in age from three months to one year and may include Chatterings, Reds, Perfects and Edwards.  Some of these birds may have been previously housed together but usually not all of them.  By placing them all in the same cage at the same time in new surroundings they all start off on equal footing and a natural pecking order is established.  The birds are observed for any signs of aggression and any necessary changes are made such as placement of perches, bowls, toys, etc.  Because of their young age we rarely have to pull any birds housed in this situation.  We do take in donated pet birds occasionally and that can be a diff-
different story! These birds are generally a little bit older, have not usually been housed with other birds and often times have clipped wings. We try to time their arrival with that of another group of birds so that once the quarantine period is over they can be introduced into this smaller flock before they all go into the main aviary. This allows them to bond with at least a few birds before they join the rest of the flock.

During quarantine, all birds are checked for PBFD, psittacosis and parasites and a CBC is done. We also check their flight capabilities and pull some clipped primaries if necessary. The keepers will spend time at the end of the day with those birds that are in the walk-in quarantine cage and encourage them to eat out of their hand. This gives us a good 30-45 days to work with them before they are released into the main aviary.

New birds are released into the aviary in the morning just prior to the first scheduled feed. We've found it very helpful, if the weather is nice, to first go down and give all the birds in the main aviary a spray with the hose (which they love). Some of them get quite soaked and this really slows them down so they aren't able to chase the new birds around as much.

It's hard to make generalizations regarding the temperaments of the different species and how well they interact with the public and amongst the flock because much of it depends on the bird's age, background and individual personality. But in general, we have found the following to be true. The Perfects rank #1 in customer satisfaction and are aptly named. They are sweet little birds that never bite, they have outgoing personalities and come down readily to the public. They are also a favorite with children as their size is less intimidating. We have tried other smaller species such as Webers, Meyers, and Goldies but they just weren't able to compete with the public.

The Green-nape Rainbows cause the least amount of trouble. Although these are the most numerous birds in the aviary they are very homogenous with the other species and are seldom involved in any "gang fights." They generally do well with the public.

The Dusky, on the other hand, will sometimes band together and gang up on a particular individual. Usually a larger bird such as a Black Lory will be the instigator and the Dusky will join in. For that reason we limit the number of Dusky's we have although the public loves seeing these "trick-or-treat" birds.

You'd think that the largest birds would be the most aggressive in a mixed aviary but this is a case where individual personalities really come into play. We have several Chatterings that have been in the aviary since we opened and have never caused a problem. We've also had some Chatterings and Black Lories with more dominant personalities that did create problems. The best solution we've come up with is to remove that particular bird from the aviary for a period of time to cool things down. Sometimes this will correspond to a time when we are releasing new birds into the aviary and activity will change the hierarchy of the aviary so that when the "problem bird" is reintroduced he is not at the same status as when he left.

We've only had two Black-caps in the aviary and both have proven to be very shy, non-aggressive birds.

The birds from the genus Eos (Reds, Black-wings, Blue-streaks) have had a tendency to be a little more nippy than others but it's never been a big problem. We caution the public not to pet any of the birds, but these are the birds that are most likely to bite if touched.

We make every attempt to discourage any breeding activity in the aviary because the pair will become quite aggressive towards other birds and the public. Throughout the summer we find ourselves plugging holes in between rocks that the birds have excavated and cutting back tufts of grass they try to nest under. We occasionally get a pair that is so intent on breeding that we'll pull them and either set them up at our facility or trade them for younger birds from a local breeder. We are currently breeding Perfects and have released five chicks into the aviary so far.

Part of the difficulty in keeping lories is their susceptibility to disease. We have had a periodic recurrence of two types of bacteria over the years. The first to hit was Clostridium sp., an anaerobic bacteria that infected the flock just before the opening of the exhibit. This particular bug was very difficult to culture and extremely virulent. We lost a number of birds in a very short period of time before an effective antibiotic (chloramphenicol) was found. The source of this infection was never
discovered although it happened a few days after a very hot spell of weather. It recurred once again after another heat wave the following year but with appropriate antibiotic therapy begun immediately no birds were lost. We have since that time treated the birds twice prophylactically following heat waves but have had no need for further treatments in the past two years.

*Yersinia sp.* is another potentially fatal bacteria that has cropped up occasionally in our aviary. It usually is seen in the colder season and is probably rodent-borne. We have seen droppings in the shed and birds’ bowls (particularly the dry powder). Baytril has proven to be effective against this bug and is easily given in their nectar. We have since placed all food trays on the solid walls to keep the rodents out of them.

We have had a few cases of candidiasis though we administer an antifungal medication with antibiotic therapy. Since we began to regularly include additional sources of vitamin A through a variety of produce, this problem seems to have been eliminated.

Lorikeets, by nature, have inquisitive, engaging personalities and many of our guests become quite taken with them. We get a lot of questions regarding their suitability as pets. We don’t hesitate to tell them of the difficulties in caring for the birds. Without such experiences where would our future aviculturists, biologists and environmentalists come from; and what would be the future of the world’s birds? We hope that with more exhibits such as these across the U.S., we can help to make a positive impact on the future of aviculture.