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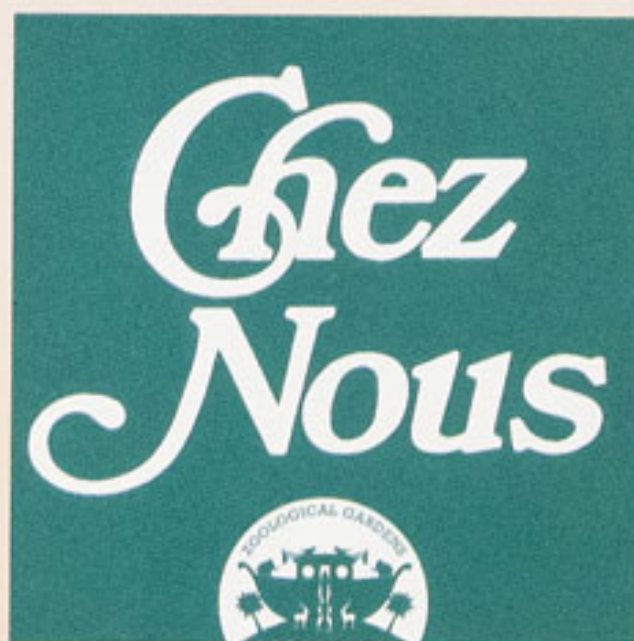
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ZOOLOGICAL GARDENS
CHESTER
Zoo Life



Autumn 1998



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 Director: Dr Gordon McGregor Reid
 Editor: Pat Cade

David Attenborough Visit

From his wonderful books and television series on natural history, David Attenborough is a life-long hero of mine and, I know, of countless other people around the globe. It was, therefore, a particular pleasure for me to act on behalf of Council to invite Sir David to Chester Zoo in May to receive our highest honour: the *Gold Medal of the North of England Zoological Society*. Members will recall earlier glittering occasions when the prestigious Gold Medal was awarded to Dr Jane Goodall, the world famous expert on Chimpanzees, and to Dr Michael Brambell the distinguished zoologist and veterinarian and former Director of Chester Zoo.

Such events, of course, require much careful consideration well ahead of time. I first met David Attenborough some years ago at a zoological meeting and was delighted to find out that he was, from way back, familiar with and favourably disposed towards Chester Zoo.

He was well acquainted with Michael Brambell and also had fond recollections of (and some amusing anecdotes regarding!) George Mottershead, the founder of Chester Zoo. I also knew that Sir David had strongly supported the potential role of good zoos and public aquaria in conservation, science and education.

This encouraged me to write to him in January 1997 proposing the award. He quickly replied to my letter, kindly accepting the medal but indicating



that prior overseas filming commitments (at that time involving a major reschedule because the hornbills in Thailand were three weeks late in nesting!) would unfortunately limit the opportunities that he would have to travel to Chester to accept the award. Of course we were all delighted in the Zoo that an event could be scheduled at all; and fully understood that the best laid plans are liable to be modified by the vagaries of animals.

Overtaking all of this, however, was the sad death of Sir David's wife, Lady Jane, and a letter of sympathy and support was sent on behalf of the Zoo. The two first met in 1945 while studying at Cambridge University and married five years later. They were a particularly devoted couple and, naturally, it was to be some time before Sir David was able to pick up the threads of normal life.

Later in the year I was glad to have a reassuring letter to indicate that Sir David was off to the Galapagos Islands to resume filming and would be back in touch. Another letter signalled his return from Venezuela but en-route to wildlife locations in Australia, Brazil, Patagonia and then the Western Pacific! I marvelled at his ability to cope with such a hectic schedule and eagerly looked forward to the updates.

Further exchanges of correspondence, via Trinidad through his charming daughter Susan, allowed us to fix on Friday 22nd May 1998 as a suitable date. I was then bowled over by a telephone call from David where he most generously offered to give an hour long talk entitled *Discovery and the Camera* prior to the medal ceremony.

The whole Zoo began mobilising itself for the great event. Our President, His Grace the Duke of

Westminster, very kindly altered his plans to ensure that he would be there to present the Medal. Invitations were sent out far and wide and we were pleased to have acceptances from very many distinguished members of the community, notably including David and Ann Nield, the newly inaugurated Lord Mayor and Lady Mayoress and The Right Reverend Dr P R Forster, the Bishop of Chester.

Eventually the great day arrived. I travelled to Manchester Airport to pick up David and Susan Attenborough who had been escorted up from London by Zoo Council Member Professor Brian Gardiner. We were greeted at the Zoo gates by the Chairman of Council, Mrs Beatrice Jones and Chief Curator Chris West. The gardens looked magnificent and it was a glorious sunny day for a grand tour.

This included a visit to the elephants, dropping in to see baby Black Rhino *Kitani*, a view of the *Monkey Islands* featuring schoolchildren and educational activities, a look at *Condor Cliffs*, a brief 'paying of respects' to *Boris* and the rest of the Chimpanzee colony (who were particularly excited by our famous visitor!) and, finally, the feeding of the Ring-tailed Lemurs.

Sir David was in his element for this last session surrounded by press photographers capturing rare and charming interactions with the animals. (See the photographs on the centre pages).

The evening lecture - in a hall packed with excited zoo members, staff and guests - was rivetting. David featured film clips from early days to the present, each illustrating some curious aspect of natural history uniquely recorded by the camera.

Our Chairman Beatrice Jones delivered the formal citation with great skill and dignity (see opposite page). The Duke of Westminster then presented the Gold Medal to a beaming Sir David Attenborough and my day was complete!

■ *Front cover:*
 Sir David makes a close acquaintance with a Ring-tailed Lemur.

SIR DAVID ATTENBOROUGH CH, CVO, CBE, FRJ
GOLD MEDALLIST OF THE NORTH OF ENGLAND ZOOLOGICAL SOCIETY

Let it be known that Sir David Frederick Attenborough has been awarded by the President and Council with the Gold Medal of the North of England Zoological Society in recognition of his great lifetime achievements in zoology, ethnography, natural history broadcasting and wildlife conservation.

A scholar and Honorary Fellow of Clare College, University of Cambridge, David Attenborough is rightly famous for his unique ability to convey with ease and humour the joy, wonder and science of natural history to people in all parts of the world and from all walks of life. This is well illustrated by the informative and enthralling series of internationally distributed documentary films produced for BBC television from 1954 to date and including: Zoo Quest, Tribal Eye, Life on Earth, The Living Planet, The First Eden, Lost Worlds Vanished Lives, The Trials of Life, The Private Life of Plants, Life in the Freezer and a forthcoming series on the birds of the world. He is also the author of the 'Zoo Quest' set of books and many other outstanding publications linked to his television films; and was once Controller of BBC2.

Direct participation by Sir David in expeditionary fieldwork, attention to technical detail and a warmth for the animals and caring for the production crew, local people, readers and viewers has undoubtedly been a key ingredient in the extraordinary success of his books and films. An unsurpassed breadth of zoological, ethnographical and botanical experience has been gained through adventurous and sometimes dangerous expeditions to exotic and remote locations in all parts of the world including: Sierra Leone, British Guiana, Indonesia, New Guinea, Paraguay, Argentina, the South West Pacific, Madagascar, Australia, the Zambesi, Bali, Borneo, Peru, Columbia, Mali, Canada, Iran, the Solomon Islands, Nigeria, Thailand, Trinidad and the polar regions. Few if any other individuals in the history of biology are so well travelled and have seen at first hand so many interesting facets of life on earth. Sadly, some of the habitats visited are now threatened and he has been vigorous in their defence, as well as protecting vanishing wild places in Britain.

The wildlife conservation movement as a whole has greatly benefited from his considerable input including, notably, long periods of service as a Trustee of the World Wide Fund for Nature-UK, WWF-International, the Nature Conservancy Council and the Royal Botanic Gardens, Kew. There has also been, over the years, strong support for the potential role of zoological gardens and aquaria in conservation, science, recreation and education. Indeed, some expeditions have involved close collaboration with the zoo community and the collection and care of diverse and fascinating creatures such as armadillos, anacondas, bats, pythons and giant millipedes.

Sir David's distinguished career has, of course, been acknowledged many times through awards and honours gained nationally and internationally and for major accomplishments which extend well beyond the fields of natural history and broadcasting. Suffice it to record that in the university sector alone he has received no less than seventeen honorary doctorates. His very special contribution to natural sciences and exploration has, through medals and fellowships, also been applauded by other prestigious institutions, including the Zoological Society of London, the Royal Geographical Society, the Linnean Society of London and the Royal Society.

David Attenborough has through a lifetime of high achievement, clearly and effectively demonstrated and communicated that the basis for conservation in zoos and in nature is a public understanding of and enthusiasm for the natural world. For this, I, Beatrice Jones, the Chairman, request on behalf of Council that you, Sir David, now accept from our President, His Grace the Duke of Westminster, the Gold Medal of the North of England Zoological Society.

*Presented this day Friday the 22nd of May, 1998
by His Grace the Duke of Westminster OBE, TD, DL,
President of the North of England Zoological Society, Chester*

MEMBERS' MEETINGS

Saturday 12th September, 1998

2.30pm in the Lecture Hall

Douglas Adams - 'Last Chance to See'.

Please note: As we expect a lot of interest in this talk by this well-known science fiction writer and conservationist, admission to this meeting will be by ticket only. Please send a sae to Maureen, Membership Office, Chester Zoo, CH2 1LH, for ticket return. All welcome - the tickets are free to members, £4.00 to non-members. Payment for non-members must be included with ticket application.

Saturday 10th October, 1998

2.30pm in Lecture Hall

Professor Jack Cohen - 'What People Get Wrong About Animals'

Saturday 14th November, 1998

2.30pm in Lecture Hall

'One Return to Adventure' Zoo Council

1998/99

Member Graham Pollard talks about his recent expedition to Guyana, 'in the footsteps of Durrell and Attenborough!'

Saturday 12th December, 1998

2.30pm in Lecture Hall

Lisa Mather from the Orang Utan Foundation - 'Rainforest, Fires and Orang utans.'

Members' Christmas Lunch will also be on 12th December, before this meeting, at 12 noon in the Oakfield Restaurant. Pre-booking essential. Please ring Maureen on 01244 650203 to reserve your place, or return the enclosed booking slip. (See page 20 for menu). £13.50 per person. Members are, of course, welcome to attend the meeting without taking lunch.

Saturday 9th January, 1999

2.30pm in Lecture Hall

Professor Peter E Wheeler - 'The Ape That Stood Upright: The First Steps of Human Evolution.'

Saturday 13th February, 1999

2.30pm in Lecture Hall

Mark Pilgrim, Chester Zoo's Avicultural Deputy - 'Conservation and Exhibition.'

Saturday 13th March 1999

2.30pm in Lecture Hall

Chris West, Chester Zoo's Chief Curator - 'My First Twelve Months.'

Saturday 10th April, 1999

2.30pm in Lecture Hall

Director Dr Gordon McGregor and Staff - 'Zoo Review.'

The next Zoo tour to Africa is planned for May 1999 and will be a must for all cat lovers! Namibia is home to 25% of the surviving cheetahs and provides a wealth of wildlife in dramatic desert landscapes. The tour will include an overnight journey on the luxury 'Desert Express Train' where you will travel through The Namib desert, reputedly the world's oldest desert. There will be excursions across the magnificent Moon Valley and a visit to Swakopmund, a fascinating former German colonial coastal town. After that, places to visit will include the Etosha National Park, Damaraland (habitat

1999 MEMBER'S SAFARI TO NAMIBIA

programme. Excellent close-up sightings of these two big cats are usual at Okonjima and all of the Big Five except buffalo are in Etosha.

Anyone interested in this trip of a lifetime, should contact Julie Whitear at the Zoo on 01244 650201 or the CAA licensed tour operator Diplomatic Travel on 01825 740262 for a full itinerary and booking form. Because small lodges will be used, places will be very limited.

ADOPTER DAYS 1998

This year's Adopter Days will take place on Sunday 18th October and Saturday 24th October. This is a special 'thank you' invitation to all adopters for their support over the past year. Come along and enjoy a day out at the zoo and take the opportunity to have a chat with the keepers about the animals in their care. Your special invitation is enclosed with this magazine.

National Pond Life Centre

The Zoo had hoped to support the Liverpool John Moores University initiative to develop a National Pondlife Centre on Zoo land. (See *Zoo Life Spring '98*).

However, having carefully considered the technical, financial and legal implications, the Zoo Council have regretfully decided to withdraw from the project. Nevertheless, the Zoo recognises the high public value of the NPLC and wishes Dr Andrew Hull and the JMU team every success in securing an alternative venue for this worthwhile scheme.

Council Chairman

After seven very active years as Chairman of the North of England Zoological Society, Mrs Beatrice Jones has decided to stand down. Bea has been a Zoo Member for 26 years, and has served on Council for a total of 12 years. During Bea's chairmanship there were many new developments in the zoo, and she gave very much time and energy to the honorary position. The Council and Director hosted a farewell supper, and she was presented with a magnificent glass plate, commissioned especially for the occasion (pictured here).

Keith Maybury has taken the post of Chairman, and the Director and Staff offer him a warm welcome.



CHESTER ZOO

The winners of the three prize draws since the last issue are:

MAY '98

£100 Mrs J. D. Colclough
£50 Mr K. A. Parks
£50 Mrs C. A. Forster
£50 Mrs S. Ruks

JUNE '98

£1,000 Mrs J. Haines-Adams
£100 Mr & Mrs R. Roebuck
£50 Dr. S. Bricker
£50 Mrs K. H. Parsons
£50 Mrs Brenda Jones

JULY '98

£100 Mrs E. Poulson
£100 Dr P. McC. Duggleby
£50 Mrs C. L. Cunningham
£50 Mr & Mrs J. Mosiewicz
£50 Miss S. V. Tissyman

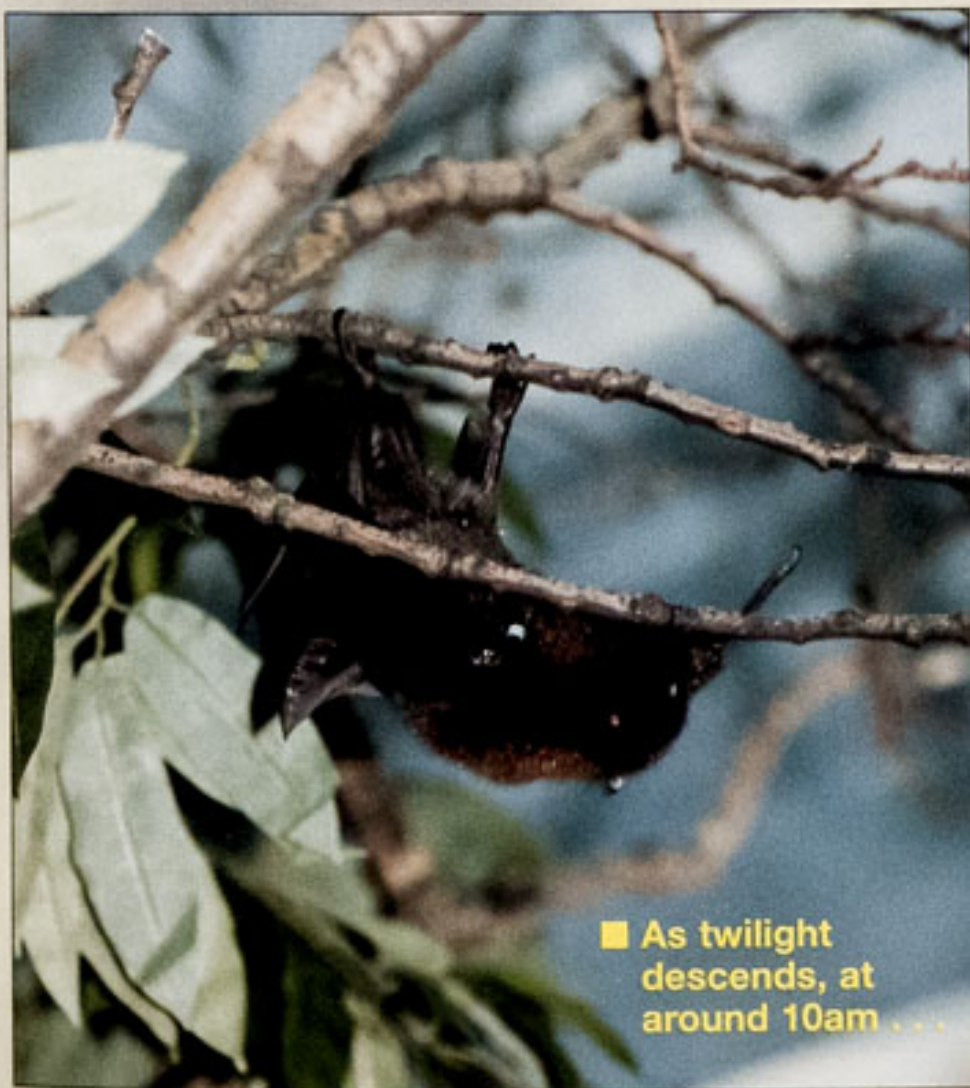
The lucky winner of the big Summer prize of £1,000 wrote to say how well-timed this sudden windfall was! Julie Haines-Adams of Oswestry says 'I was stunned and delighted to receive your letter and cheque. My F-Reg Ford Fiesta urgently needs replacing and I didn't know where the money would come from to find a replacement. To come home to such wonderful news was simply unbelievable! Membership of the 100 Club is still invited. Contact Alan Sykes at the zoo for details.'



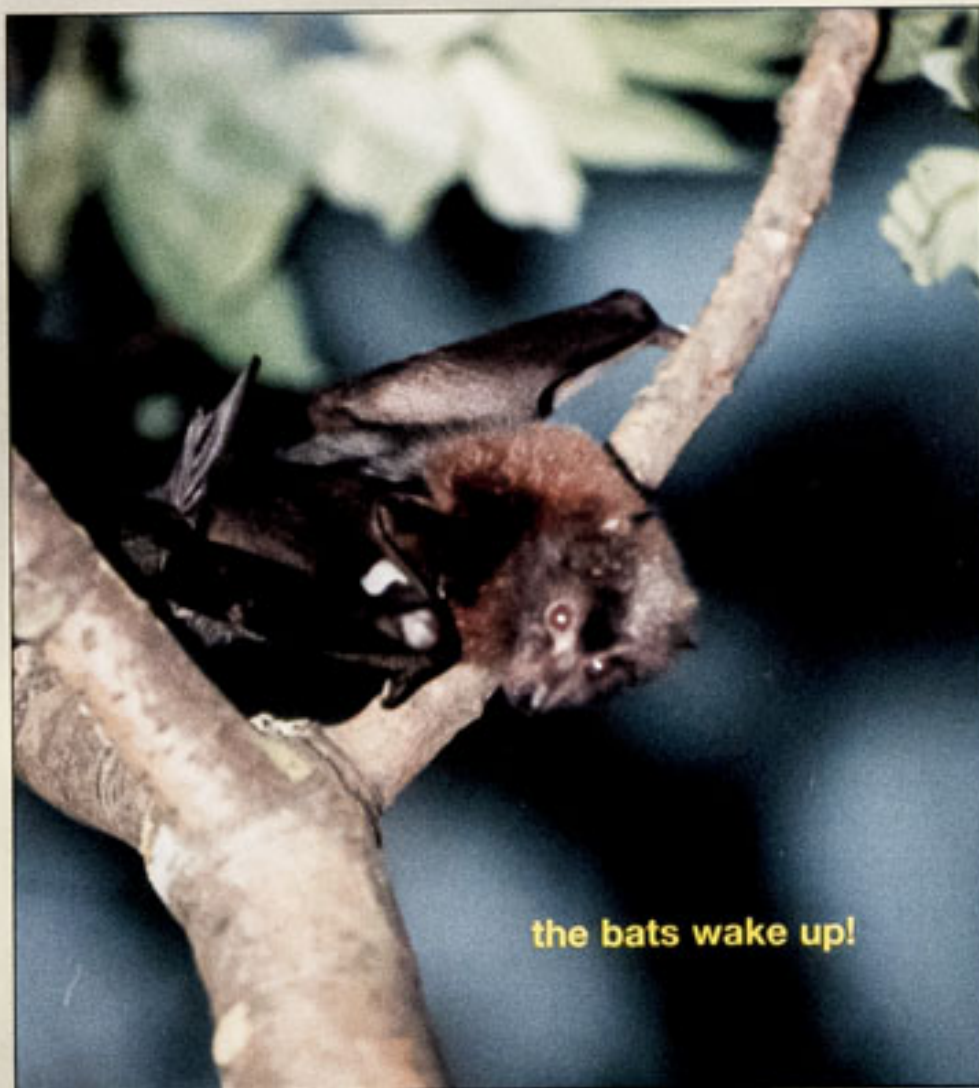
ENTER THE TWILIGHT ZONE

THIS exciting, innovative and totally wonderful new feature is now open. Keeper Ray Packwood, who together with Beryl Ramsay cares for the bats, says the first word spoken by visitors as they enter into the cave, is 'WOW!'

Photography is difficult in the darkened cave, but these pictures give a flavour. However, the opportunity of seeing the rare Rodrigues Island and Seba's Bats at such close quarters and in free flight, is something that must be experienced in person. Make a visit soon!



■ As twilight descends, at around 10am ...



the bats wake up!



ISLANDS IN DANGER

LIVING up to the *Chester Zoo - Always New* slogan means coming up with new projects as soon as the last one opens!

Now that the wonderful *Twilight Zone* is finished, the next major project currently on the drawing board is 'Islands in Danger'

This will be in the area of the current bird house and in addition to bird species, it will feature other endangered species including reptiles.

Watch *Zoo Life* for more details of this important new feature.

ZOO ROMANCE



WARM congratulations to two members of the zoo staff who married recently.

Catering Supervisor Debbie Lenihan and Bird Keeper Wayne McLeod are pictured in the zoo's rock garden, following their wedding at Chester Registrar's Office.



SILVER SERVICE

BIRD Keeper Nick Manning, who recently completed 25 years service with Chester Zoo, is pictured following a lunch time celebration with colleagues - including his wife, Eunice, who is one of our telephone receptionists.

NEW VIEW

THERE'S a new open space in front of the Ark Shop at the main entrance - the old Small Mammal House has disappeared! Eventually this space may be used in part to expand the elephant island. For now it has been turfed, and once the grass has been established it will be an attractive lawn for visitors.

All the animals that were in the old building have been relocated to other collections or to new areas in the zoo.

AN EXCHANGE OF RHINOS

IN July, we swapped male Black Rhinos with Whipsnade Wild Animal Park, as part of the on-going transfers within the breeding programme. Chester's *Quinto* went off to Whipsnade, and *Katakata* arrived here.

NEW MATE FOR MAURITIUS KESTREL

THE worst consequence of the Easter snowfall was the loss of one of the rare Mauritius Kestrels. The heavy snow caused part of the netting on the aviary to collapse. In June, we received a replacement bird from Jersey Zoo, and we hope that she will settle happily with her new mate and breed in the future.

EUROPEAN ZOO DIRECTIVE

THE Federation of Zoos is celebrating a major victory following the unanimous decision by European Environment Ministers in Luxembourg to put zoos at the heart of wildlife conservation and set minimum standards of husbandry and welfare by voting for an EU Zoo Directive.

This means that Member States will be required to put in place national systems for the licensing and inspection of zoos and to strengthen the already extensive conservation role.

A second reading now needs to be scheduled to allow the Directive to become law. Chester Zoo is a member of both the Federation of Zoos and the European Association of Zoos and Aquaria. Both these organisations give their backing and co-operation to the EC to ensure that the Directive is successfully implemented.

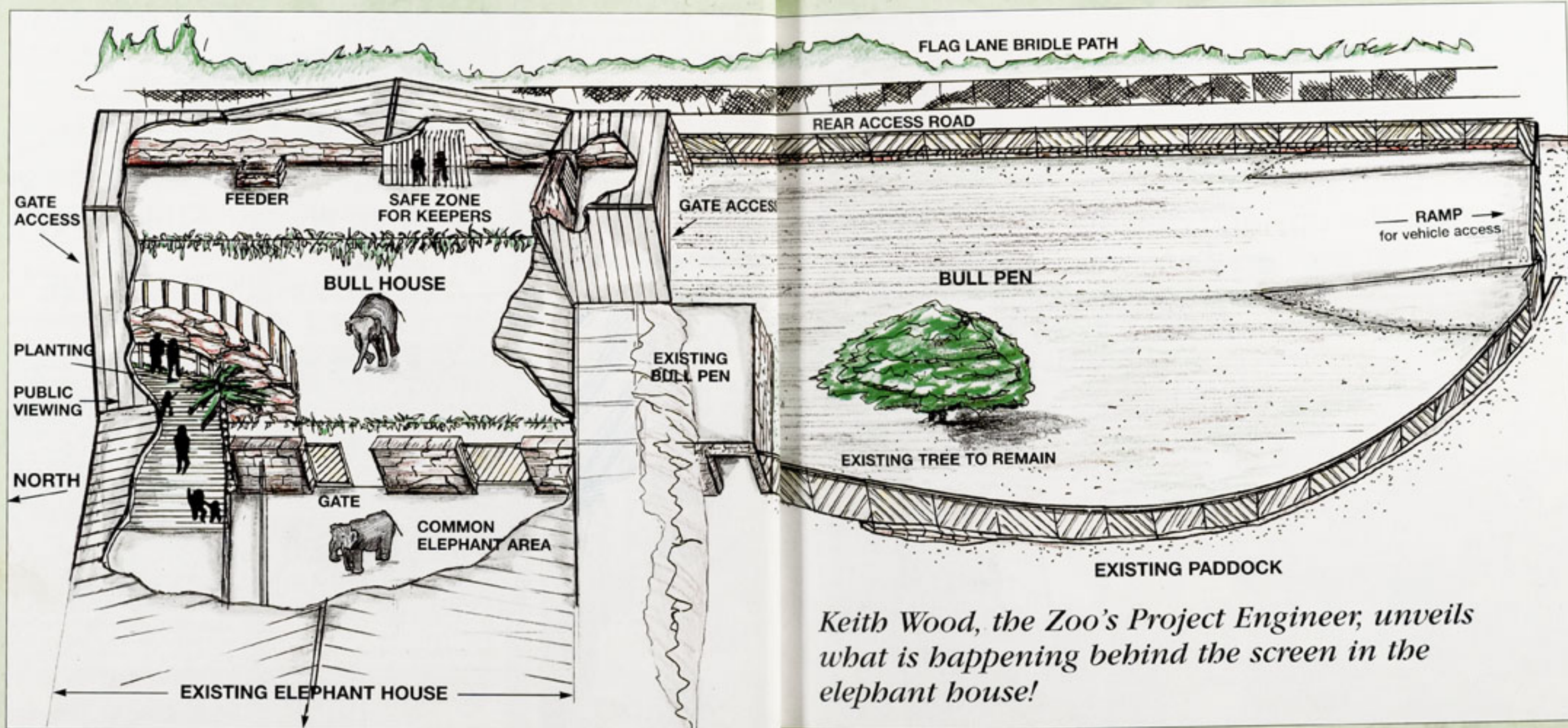
INTERNET SITE

HAVE you checked out the Chester Zoo web pages lately? There's been a complete update and re-design, and you can find lots of interest and information.

Use the index to take you to the latest news, animal information, meetings and events, functions and parties, most frequently asked questions - and much more!

You'll find it at www.demon.co.uk/chesterzoo.

NEW BULL HOUSE AND PEN IS A 'MUSTH'!



Keith Wood, the Zoo's Project Engineer, unveils what is happening behind the screen in the elephant house!

WORK has now begun on the new bull elephant house and external pen, to provide adequate space for present and future bull elephants in 'musth'. There is also a further advantage of facilitating other uses for elephants when necessary, for example a holding pen or birthing area.

The original precast concrete frame structure with old roof and wall cladding has been partly demolished to make way for a more substantial steel portal frame incorporating a masonry perimeter wall.

This perimeter wall is a significant

improvement with regard to thermal insulation and strength. One of the main design factors was, of course, how to stop a bull elephant removing the wall should he desire! So, taking into account that a bull elephant could possibly exert a horizontal impact capable of demolishing a wall of nominal structure, it seemed the task of designing 'elephant proof' walls was to be a very important consideration.

Varying widths from 415mm (18") to 1275mm (4'3") have been designed for this purpose.

These not only protect public and

staff, but also the new hydraulic gate systems which are of considerable cost due to the function they serve.

After inspecting several bull elephant habitations at European zoos, many individual designs were noted and analysed. From these observations it was obvious there was no international design code of practice for the impact force of a bull elephant.

Structural calculations have therefore been produced on the basis of a bull elephant weighing 6 tonne running at full speed, and striking the new walls.

Hydraulic gate systems will be

installed within the walls as required and supported with gate frames which will be tied to the new building steel structure for additional strength.

These will be controlled from the modified desk console which already exists. Where the old hippo pool once existed, toward Flag Lane bridle path, will be the site of an external pen.

The new facility has been designed to incorporate vehicular access onto the island. This is an important feature allowing easier transportation and movement of breeding elephants.

Emphasis on natural surroundings is

essential to create an environment of calmness for the inhabitant, so sympathy with colours and natural profiling will be used for this effect.

Part of the specification brief required by the Animal Division includes a keeper safe zone, where they can inspect elephants at close quarters to carry out routine care.

A high level feeding browser will be incorporated to provide a pastoral impression, which is at a common feeding height for elephants.

Reclaimed sandstone from demolition work is to be used for

contouring the internal perimeter walls.

The public will be able to see the bull elephant from a slightly raised platform and the elephant will be able to observe the public with an intermediate stand-off area and safety barrier, enhanced aesthetically with planting.

With all the comforts of natural and artificial lighting, quick-dry floor, ventilation, insulation and modern installation equipment, it is hoped that all who visit (and the residents!) are satisfied with the new abode.

JUBILEE'S ROMANTIC HOLIDAY!

Chief Curator Chris West describes the ups and downs of sea-travel with an elephant!

The work taking place on the new bull elephant accommodation, means that one of the existing pens is temporarily out of use.

The need to remove one bull elephant for a few months

happily coincided with Belfast Zoo having a vacancy for a bull to meet their cow elephants.

So, on 10th June, just a couple of weeks after his 21st birthday, Jubilee packed his trunk, and accompanied by

myself and the comfortingly familiar figure of Elephant Keeper Mick Jones, set off for Stranraer to catch the ferry to Ireland.

But the journey did not go quite as planned! On arrival at Stranraer Docks, for the 7.30pm sailing, the June weather was blowing a gale, so all livestock was prohibited from sailing for twelve hours - at least.

It meant an overnight stay. Local hotels had a 'no pets' policy, so they were no help! Fortunately Jubilee slept happily in the container - his travelling companions rather less peacefully close by.

Next morning, on the docks at 7.30 am - but still no let up in the weather, and the ship left without us.

Finally, we were given a space on a smaller, freight carrier.

Again, Jubilee had no problems on the journey, but the pungent aroma of elephant



■ Stranded in Stranraer! Mick Jones (right, with the driver) is wearing shorts, because it IS July!



■ Mick makes sure that Jubilee is fed, watered and made comfortable.

surrounding the vehicle combined with the choppy seas and a non-stabilised vessel, meant his human companions were extremely quiet on the 3 hour voyage!

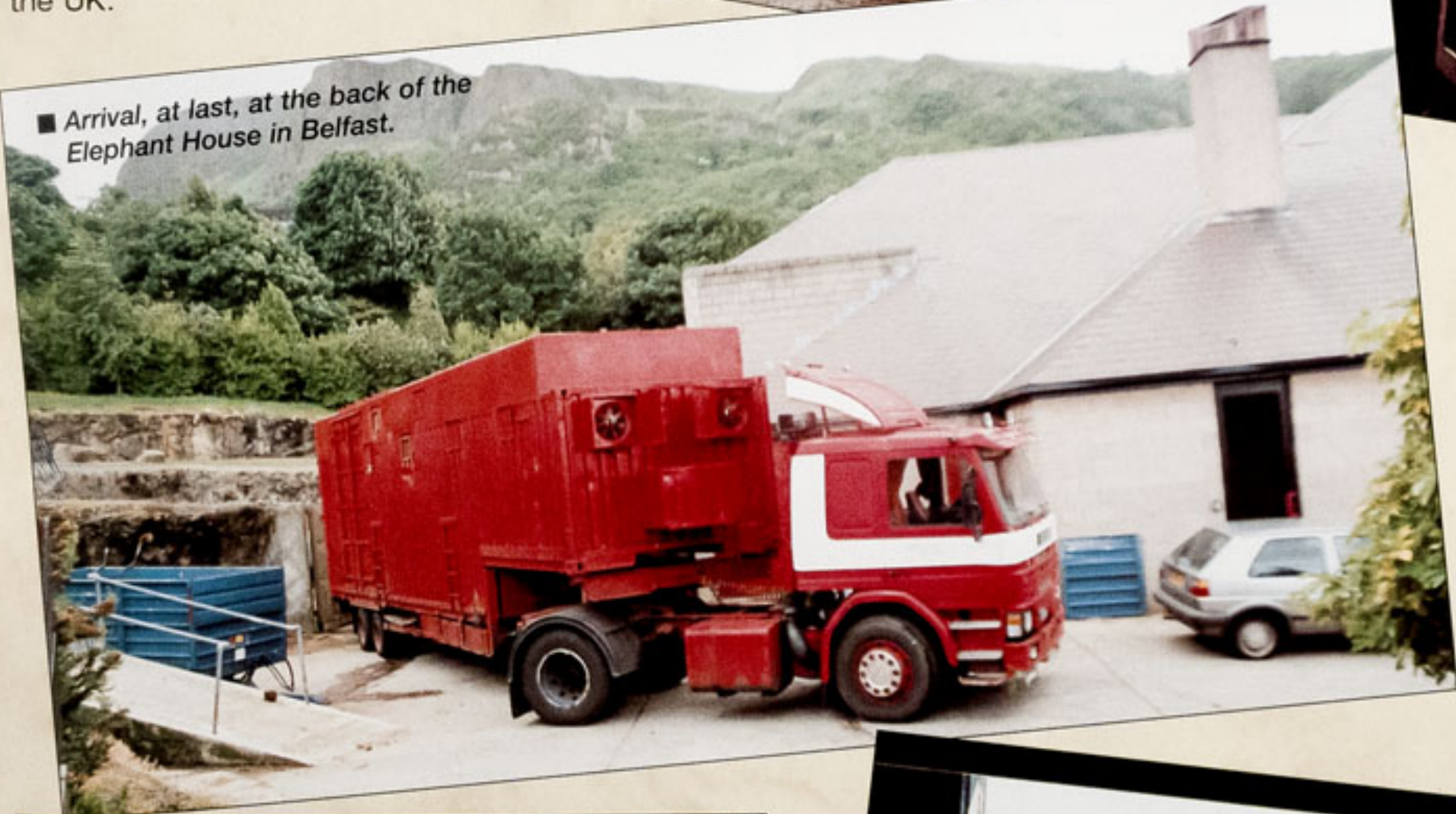
We finally arrived at Belfast Zoo, where Jubilee received a very warm welcome from his new girlfriends.

He will stay for at least six months and hopefully, very early in the next century, there will be some offspring from the first elephant ever to be born and reared in the UK.



■ Space is found on the freight ferry.

■ Arrival, at last, at the back of the Elephant House in Belfast.



■ Mick persuades Jubilee out of the truck, and into his new accommodation.



■ OK Girls - I've arrived!

Sir David Attenborough at Chester Zoo

IT'S clear from these pictures that Sir David Attenborough enjoyed his visit to the zoo in June as much as the staff and visitors enjoyed seeing him. Director Dr Gordon McGregor Reid writes about the visit on page 2. In a 'thank-you' letter to the Director, Sir David was full of praise for the zoo and its work – and he summed up his visit with the words – 'We enjoyed ourselves hugely. All that – and a gold medal too!'



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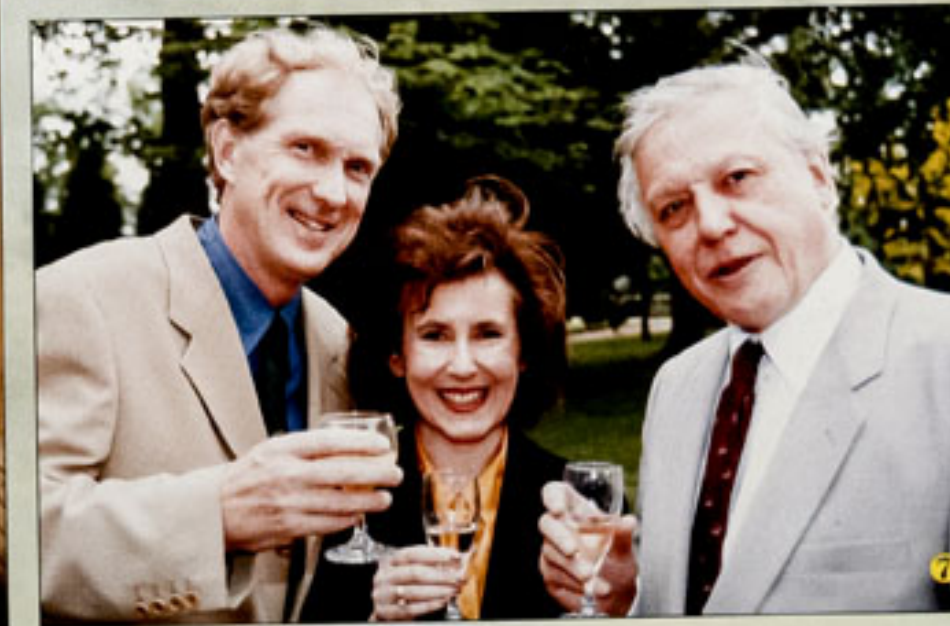
- 1 Sir David with the North of England Zoological Society President, His Grace the Duke of Westminster, who presented the Gold Medal of the Society.
- 2 The Monkey Islands team of keepers meet Sir David.
- 3 This is the professional way of making friends with an elephant.
- 4 Head of Education, Stephen McKee introduces local schoolchildren at the Monkey Islands building.
- 5 Sithami was a little shy of such a distinguished visitor – she kept running away when photographers tried to get her in the picture.
- 6 Helping to feed the Ring-tailed Lemurs was one of the highlights of the day.
- 7 A welcome glass of wine at the end of the visit, with Director Gordon McGregor Reid and Beatrice Jones – at her last official engagement as Chairman of the Zoo Council.



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Versatile Volunteers

OUR volunteers have had another very busy year in their many activities. As well as the regular duties of staffing the Touch Experience carts, Brass Rubbing Centre, Let's Make Centre, Things To Do shop, library, and general help in the Education Office, they have given their time generously to help out in other ways.

These are just some of the activities they have been involved in during the last six months: assisting at the Cheshire Show, both in the 'Schools Out' tent and on the Zoo's marketing stand; taking evening guided tours; talking to groups and organisations outside the Zoo; looking after junior members and volunteers from Blackpool Zoo and helping to organise school groups during the visit of Sir David Attenborough.

This year we are very grateful to have had extra help during school holidays from volunteers from Merchant Bank of North America, who have provided much needed support in the Brasses and Let's Make during our busiest times.

Regular 'Know Your Zoo' meetings and trips out keep the volunteers up to date with what is happening in the zoo world.



■ Volunteer Will Edwards, with Zoo Educator Heather Dibb, discuss coral conservation with some young visitors to the Chester Zoo stand in the 'Schools Out' tent at the Cheshire Show.

If you are interested in becoming a volunteer within the Education Division, please contact us on 01244 650205 for more details. We will be recruiting again in early Spring 1999.

A postscript from Sara Ruks: 'We won the Green Leaf award again this year at the Cheshire Show AND one of our volunteers shook Prince Charles' hand. Rumour is that she hasn't washed it since!'



■ Volunteers take an evening guided tour around the zoo gardens.



BABY BENTLEY

YOUNG Bentley, born on 19th May, is the first male giraffe to be born at the zoo for 18 years. His mother is Samara and father is Cormac. Keepers estimate his weight to be around 27 kilos – 9 stones – and he's almost 1.9 metres tall. Why 'Bentley?' Senior Keeper Tim Rowland said 'His Mum has the name of a Lada car – and we thought this baby deserved a more up-market title!'

SAFARI TO SOUTH AFRICA

Following the success of the first Zoo Members' tour of Tanzania last year, a group of 21 people left in May to venture into the rapidly changing country of South Africa with the main aim of seeing wild rhino. Julie Whitear tells the story.

JOHANNESBURG, where we were met by Barry and Margaret of Diplomatic Travel, looked more American than African. After the drive to our hotel, some of the group went on a trip to Soweto, whilst Barry and I took a small group to Pretoria Zoo. Pretoria, South Africa's capital, is a well laid out city with a mix of historical and modern buildings and leafy, Jacaranda lined streets. The zoo is undergoing a huge modernisation programme ready for its centenary celebrations next year when it will be hosting the World Zoo Organisation Conference.

After a meeting with Deputy Director, Sarita Cronjé, we visited the new veterinary hospital and animal food unit - both of which are excellent - then a whistle-stop tour of the zoo. Many exhibits are arranged so that visitors can compare similar species such as King Cheetah next to common Cheetah and Brown Hyenas opposite Spotted Hyenas.

As I changed for dinner, the familiar 'Eau du Mossie Guard' reminded me of African nights gone past! The buffet at the Karos Hotel was nothing short of spectacular with a huge choice of exotic food and a chef on hand to cook your meat to perfection. We said goodbye to Barry as he returned to England and left the group to the mercy of myself and Margaret!

Next morning we were joined by our guide for the day, Charles Sayers, who filled the long journey with entertaining tales of South Africa. The country is going through a huge state of change with its new government, and the areas we drove through showed a stark contrast between huge, modern high walled houses and collections of shanty towns with corrugated iron huts and campfires.

We arrived at Ntshondwe Camp in Itala Game Reserve after a long, interesting drive through the foothills. The Kwa-Zulu Natal area is very pretty and the evening sun on the hills was a wonderful sight. We went on a short game drive by spotlight. Sightings included Impala, Mountain Reedbuck, Giraffe, Bushbaby, Wildebeest, Eland, Tsessebe, Burchell's Zebra, Grey Duiker and a Spotted Eagle Owl. The Burchell's

Zebra (which we saw in all the parks) are easily recognised by their brown 'shadow stripe' that differs from other zebra species. Our drivers did not know what sub-species their giraffes are but were determined to find out as they didn't want to be beaten by their visitors!



■ Giraffes at Itala

Back at camp, we had an orientation talk and learnt more about the rhino conservation programme. The Natal Parks Board's vision is the long-term conservation of KwaZulu Natal's natural resources so that the people of the area, and of South Africa as a whole, will benefit and share the diversity, economic value and opportunities for well-being and recreation which they offer. The Board also has a very worthwhile 'outreach' programme which develops joint participation in conservation programmes and shared responsibilities between the Board itself and the villagers who live close to the protected areas. Curio sales from the local communities and tourist accommodation makes a huge percentage of the money earned by local people inside NPB areas in the last few years.

Itala Game Reserve covers almost 30,000 hectares. About a quarter is open bushveld and the rest a mix of steep valleys and dense vegetation. There are

also cliffs, rivers, granite outcrops and deep valleys which are home to a variety of plants as well as animals.

Next day as the sun rose over the hills, two groups went on an early morning bush walk and the rest on a game drive. The walks proved very popular with a few people getting a bit too close for comfort to rhinos! We came across a young giraffe, about 6-8 months old very close to us who was soon joined by mum and an older youngster. They were very inquisitive and posed while we took photographs of them. Later that night, after a barbecue, we had a close up visit from a Thick-tailed Bushbaby who helped itself to leftovers - obviously a regular customer!

After leaving Ntshondwe, we set off for Hluhluwe - home of 28% of Africa's rhino population. At Hilltop Camp, we had an orientation talk in the conference centre by Tim Dale, who told us about the rhino populations in the park and the measures that are taken to protect them. Hluhluwe and Umfolozi Game Reserves were established in 1895, the oldest in Africa. They are now joined by a corridor, set up in 1989. The park covers 96,000 hectares and is home to all of the 'big five'.

Two trucks took us on a long drive through the park to the Rhino Boma area which is used to house captured rhino and other game from within the park for an annual auction. Because of the large numbers of animals bred in the parks they have to monitor the population levels carefully. The Bomas are in a private area and immaculately kept. We were privileged to view the facilities and were shown the process of capturing, maintaining and selling these animals. (The new owners are carefully vetted, particularly where CITES species are involved). This generates considerable income for the Natal Parks Board conservation work and transports animals to less populated areas of Africa. On the drive back (by then in the dark) we spotted some wild rhinos quite close to the trucks which was a great experience.

See next issue for Part 2

Places are available for the May 1999 tour to Namibia - see page 4 for details

WILDLIFE Artist Anthony Wyatt has produced some exquisite pencil drawings of zoo animals. They are available in limited editions, and any one – or two! – of them would make perfect presents for animal lovers.

Shown here are Boris and Sithami. The full range is available from the Ark Shop. Prices start at £9.99. In addition, a T-shirt featuring Sithami, designed by Anthony, will be in the shop this Autumn.



Since moving to North Wales last Summer, Chester Zoo has rapidly become Anthony's 'second home.' Many of the animals he draws are to be found here.

He says: 'I've been an enthusiastic zoo visitor since childhood. This year I've been pleased to be able to give something back to the animals that inspire me, by donating a limited edition of 10 prints of bull elephants Chang and Upali playing, called Boys Will Be Boys!'

These prints were auctioned at the Elephant Experience Evenings and raised over £1,000 for the Chester Zoo Elephant Support Fund!

WYATT'S
WILDLIFE

A Chester Zoo Christmas

THE elegant oak-panelled Oakfield Restaurant is a perfect setting for traditional Christmas fare and the Group Sales Office are now taking bookings for December lunches and dinners. Jane or Sue will be happy to send menus.

The Christmas Lunch menu will be served every day from Monday 7th December to Thursday 24th December, and on Sunday 27th December. The zoo is closed on Christmas Day. On Boxing Day and New Year's Day there is a special celebration menu at £19.95 per person and £11.50 for 4-11 year olds.

Evening meals followed by a disco are available on Friday 11th, Friday 18th and Saturday 19th. The price of £17.95 per head includes disco, balloons, party poppers etc. On Saturday 12th December, bookings can be taken for dinner

only - no disco - at £16.50 per person. The menus for lunches on New Year's Day and Boxing Day, and for the evening functions, are similar, but with additional choices in all courses.

We welcome bookings for groups of any size from 2-100 - but it is advisable to book well in advance. There is no admission fee for lunch guests, who are very welcome to stroll around the grounds before or after the meal.

Apart from the specified evening dates, we are also able to arrange a private evening party for you, catering from 40 - 70 people for a sit-down meal, or up to 100 people if a buffet is preferred. A disco can be arranged in an adjoining room.

For more information and bookings contact Jane or Sue in Group Sales Office - 01244 650209.

Christmas Lunch Menu: £13.50 per person £8.00 Children aged 4-11 years

*

Cream of Carrot and Coriander Soup topped with Herb Croutons
Deep Fried Brie Wedges served with a Redcurrant and Orange Sauce
Smoked Mackerel Pâté served with Gooseberry Preserve and Crusty French Bread
Strips of Chicken Tikka Masala served with Minted Yoghurt Dip

*

Local Roast Turkey with Bread Sauce, Stuffing, Chipolata Bacon Roll
and Cranberry Sauce

Fillet of Fresh Salmon served with Dill Sauce

Sirloin Steak served with either Sauce Au Poivre or Plain Grilled with Onions
and Mushrooms

Crêpe Noel

(Pancake filled with spinach, ricotta cheese, sun-dried tomatoes and pine kernels in a festive cranberry and red wine sauce)

All the above served with seasonal vegetables

*


Kiwi and Pineapple Torte served with Fresh Whipped Cream

Traditional Christmas Pudding served with Rum Sauce

Chocolate, Pear and Brandy Gateau served with

Fresh Whipped Cream

Cassata Individual Ice Cream

(Variety of candied fruits covered in layers of vanilla ice-cream)

*

Fresh Ground Coffee or Freshly Brewed Tea served with Chocolate Mints



Father Christmas

THE annual inspection and training of the reindeer by Father Christmas will begin on Sunday 29th November, and the Old Gentleman will then be in his grotto (the suitably transformed Let's Make Centre) each December weekend from 12 noon, and on the Monday, Tuesday and Wednesday of Christmas week.

GIFT SHOPPING IN THE 'ARK'

AS always, the Ark Shop has a really inspiring selection of animal-themed gifts - you'll be able to cross off a lot of the people on your list in one shopping session - and at a 10% discount! Zoo Members, of course, always get this

discount, but it is also available for our adopters until Christmas Eve. Just cut out the voucher on this page, and present it with your purchases.

If you come on one of our late night shopping evenings, you'll be able to park right outside the shop, bring as many friends and relations as you wish (no zoo entry to pay) - and we'll even give you a glass of wine and a mince pie! The dates are Friday 4th December and Wednesday 9th December. On these evenings, the shop will remain open until 9pm.

If you are really stuck for ideas, everyone would love a zoo gift voucher! They can be exchanged in the shops or at the gate, and we can post them either to you, or to your recipient. Just let us know the amount - multiples of £5.00. For details, ring the Ark Shop on extension 370.

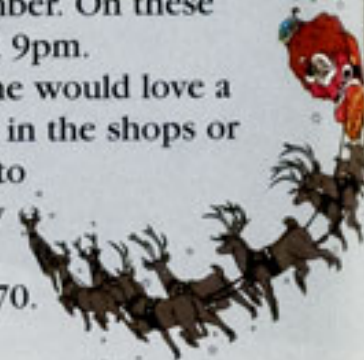
Animal Adopters and Friends

Present this voucher with your purchases in the Ark or Fountain gift shops in Chester Zoo for a

10%

discount on all purchases

Valid until January 31st, 1999



JUNIOR PUZZLE TIME

A rather challenging wordsquare this time. There's still work to do when you have found all the words listed.

FIRST find the animals hidden in the grid. They can go forwards, backwards, up, down or diagonally. When you have found them all, there will be 36 letters left in the grid. These letters spell out the names of three threatened animals living at Chester Zoo.

So – choose a rainy day in the school holidays, sharpen your pencil and your brain cells, and you might be the lucky prize winner!

Just write the names of the three animals on a postcard, add your name and address, and send it to:

**Marketing Department
Chester Zoo,
Upton-by-Chester
Cheshire CH2 1LH.**

Entries should arrive by 10th October, and the first correct one opened will win a £10.00 voucher to spend in the zoo shops.

The first correct entry for the Summer issue was from 6-year-old M. Johnson of Robins Croft, Great Sutton. Well done!

S	U	L	A	W	E	S	I	M	A	C	A	Q	U	E	H
R	U	M	E	L	D	E	L	I	A	T	G	N	I	R	U
P	R	Z	L	A	Y	S	A	N	T	E	A	L	E	W	M
A	S	L	S	S	A	X	O	L	O	T	L	T	K	I	B
H	I	O	R	I	S	S	E	T	G	U	A	N	A	C	O
A	L	E	M	A	C	N	A	I	R	T	C	A	B	U	L
D	V	L	Z	T	D	O	P	O	O	U	M	H	A	B	D
R	E	B	E	I	L	W	E	G	S	A	A	P	R	A	T
A	R	U	B	C	S	Y	N	M	H	T	R	E	N	N	S
Z	S	S	R	L	H	O	E	K	E	A	G	L	O	B	P
I	H	H	A	I	B	W	R	I	M	R	A	E	W	O	E
L	A	D	P	O	B	L	E	A	B	A	Y	N	L	A	N
D	R	O	D	N	O	C	N	A	E	D	N	A	I	R	G
N	K	G	U	P	E	K	I	N	R	O	B	I	N	S	U
A	M	U	R	T	I	G	E	R	A	N	O	S	I	B	I
S	O	R	E	C	O	N	I	H	R	K	C	A	L	B	N

- | | | |
|------------------|--------------------|-------------------|
| Amur tiger | Bongo | Pekin robin |
| Andean condor | Bush dog | Ring-tailed lemur |
| Asian elephant | Cuban boa | Sand lizard |
| Asiatic lion | Guanaco | Silver shark |
| Axolotl | Humboldt's penguin | Smew |
| Bactrian camel | Kea | Snowy owl |
| Barn owl | Laysan teal | Sulawesi macaque |
| Bison | Lechwe | Tuatara |
| Black rhinoceros | Margay | Zebra |

The names of the three missing animals are:

1. _____

2. _____

3. _____



'HELP A KEEPER' DAY

Junior Members Steven Maguire, Laura Bestow and Robin Rumney, spent the 'Help a Keeper' day in the Aquarium, with our Aquarists Mike Crumpler and Justin Bell.

In order to maximise the use of events available to us, and bearing in mind seasonal variations, there are a couple of changes to our previously planned programme for the end of this year, but we hope that you find our new programme as exciting as ever.

SUNDAY 27th SEPTEMBER, 1998
(Please note this is a change of event and date)

WILDLIFE 'WATCH' JOINT MEETING

THIS event will be an outstanding opportunity to join up with members of the Cheshire and Shropshire Wildlife Trusts' 'WATCH' groups. 'WATCH' groups are the junior branch of the Wildlife Trusts and their activities are mainly centred on the native animals and plants in the areas they live in England. With two enthusiastic and active groups in our area we thought that Chester Zoo's Juniors may like to invite 'WATCH' members to join us to show them our very own zoo. Groups of Zoo Juniors will team up with 'WATCH' members to take them to see their favourite parts of the zoo and to meet their favourite animals so that everyone can learn a little bit more about animals from all over the world. We will also talk about the work of zoos and their conservation aims. A friendly day not to be missed, and you do not need to be an expert on Chester Zoo to attend - come along and find out more!

Over eights are invited to join us, meeting outside the zoo's Oakfield building at 11.30am. Bring a picnic and spend the day with us until 4.00pm.

SATURDAY 24th OCTOBER, 1998 **MANCHESTER NATURAL HISTORY MUSEUM**

THE Manchester Museum has an excellent Natural History Section (which even has lots of live animals!) and a fascinating day will be enjoyed by all those Juniors over eight who choose to spend an Autumn's day in the warmth. The Museum's Curator of Zoology will talk to the Juniors about how things are done there, and why. Always a great day.

The bus will depart from the staff car park at 10.30am and will be returning there for 4.00pm. You will need to bring a picnic.

SATURDAY 21st NOVEMBER, 1998 **LEIGHTON MOSS - SILVERDALE**

WHILST this trip involves a fairly long journey - all the way up to the RSPB Reserve near Carnforth in Lancashire, it will be a very special day. A 'must' for those of you who are interested in seeing unusual birds, especially in the large numbers of those which stop off at this protected area during their long migrations in November. An early start for over ten year olds, when the bus will leave the staff car park at 9.00am, returning around 5.00pm.

Very warm clothes, waterproofs and wellies must be worn for this trip, and remember your picnics.

FRIDAY 11th DECEMBER, 1998 **THE CHRISTMAS PARTY**

NO doubt the annual Christmas Party will prove as popular as ever when Juniors have the chance to let off steam and enjoy the fun and games of the evening. We invade the Indoor Picnic Area behind the Tropical Palm for this evening and over eights

JUNIOR MEMBERS

PROGRAMME OF EVENTS 1998/99

are invited to come along to enjoy the games, music and our hot-dog supper. Please bring a pillow or cushion to sit on!

Juniors should arrive at the OLD (Caughall Road) ENTRANCE at 7.00pm and parents may collect from there, or the party area, at 10.00pm. Parents please bring a torch!

SATURDAY 23rd JANUARY, 1999 **THE CONTACT SESSION**

COME to meet some of the zoo's friendlier residents at the Contact Session, when you will have the chance to touch and handle the animals. These are likely to include snakes, spiders, tortoises, rats, chicks, lizards, rabbits, guinea pigs, wallabies, ducks and perhaps a few more.

Over eights should meet outside the Oakfield for 2.15pm and we will walk over to the indoor picnic area to meet the animals. Juniors will be taken back to the Oakfield for 4.00pm to meet parents for collection.

SATURDAY 27th FEBRUARY, 1999 **THE SEA LIFE CENTRE - BLACKPOOL**

THE last time we ran this trip we needed to take two double decker buses to cope with the demand from Juniors, so we promised then to go again soon! An indoor venue is popular for February and we will have a guided tour around one of the largest of the Sea Life Centres - in Blackpool. This will be an opportunity to learn about many sea creatures, and to touch some too.

Juniors over eight are welcome to join us and we will be leaving the Zoo Staff Car Park, with picnics and snacks for a long day, at 9.30am, returning at 5.30pm.

SATURDAY 20th MARCH, 1999 **'TRACKS AND SIGNS'**

NO programme would be complete without this chance to paddle in the mud in our attempts to find suitable footprints inside the animal enclosures from which to make our own plaster casts. We choose March for this event as the damp weather helps us find good footprints. A great day is had by all, but please come prepared to get messy by wearing very warm old clothes and wellies.

Over eights will meet outside the Oakfield at 11.00am and will return there for collection at 4.00pm. Please bring a picnic.

SATURDAY 24th APRIL, 1999 **SHUGBOROUGH**

SHUGBOROUGH is a beautiful stately home in Shropshire and whilst we hope to spend some time inside the house and its marvellous kitchens, we will spend most of our visit admiring the many old and

rare breeds kept on the estates's Home Farm. Shire Horse cart rides help us view the farm's paddock animals, and there are lots of pigs, sheep and other animals to see in the farmyard itself. We will also be able to see cheese making in the old dairy and baking in the old ovens.

Over eights can come along, leaving the staff car park at 10.00am, returning at 4.30pm. Remember to bring your picnic.

SATURDAY 22nd MAY, 1999 **THE CHESTNUT CENTRE**

MAY, with all the bluebells in bloom, is one of the prettiest times to visit this lovely wildlife park at Chapel-en-le-Frith in the Derbyshire hills. Specialising in otters from all over the world, we will be able to see lots of these, but the Chestnut Centre also has a big collection of birds of prey and other species too. We hope to have a guided tour around the picturesque estate and hear some of the tales about the animals there.

The bus will leave the Staff Car Park at 9.30am, returning at 5.00pm. Over eights are welcome. Bring a picnic.

SATURDAY 26th JUNE, 1999 **THE ISLAND OF ANGLESEY**

WE will hope for good weather to enjoy our day on Anglesey, when we will make various trips to places on the island. These are likely to include the Pili Palace (butterfly farm), the Stone Science Museum, bird watching or the Sea Zoo. This is likely to be a long day out, so please come prepared for everything (including wet and cool weather).

Over eights are invited to join us and the bus will leave the staff car park at 9.00am, returning at 5.30pm. Don't forget your picnic and snacks.

WEDNESDAY 28th JULY, 1999 **DAY WITH A KEEPER**

ALWAYS the most popular day of the Juniors' calendar, this is when Juniors are given the opportunity to spend a day working alongside a keeper in the zoo. It is because the work involved can be pretty strenuous that we have to restrict this event to Juniors of twelve and over. We do try to accommodate Juniors' areas of special interest, but obviously places are limited so this cannot be guaranteed. Please come prepared for hard work, wearing wellies and with a good picnic.

We will meet outside the Oakfield at 10.30am, and the day will finish for Juniors at 4.00pm.

FRIDAY 20th AUGUST, 1999 **SUMMER BARBECUE**

THIS is another of our regular events when we meet for an informal summer social evening. It is always fun to see the zoo at night after all our visitors have

left. We try to vary what we do at the barbecue each year when we have a surprise event or speaker.

Over eights are invited to come and join the fun, and Juniors should arrive through the staff entrance at 7.00pm and walk through the zoo to the Jubilee restaurant. Parents are requested to collect Juniors from there at 9.45pm.

SATURDAY 25th SEPTEMBER, 1999 **LOGGERHEADS NATURE TRAIL**

THIS will be a new event for Juniors - postponed from last year's programme! We will be going into the wilds of North Wales to do some walking in the Loggerheads Country Park. Starting at Pentre Water Mill we will follow the River Alyn before following the trail up through the wooded hillside to the Loggerheads rocks some 200 feet above the Mill. Walkers will be able to notice the geology of the area as well as the river life, the fauna and flora, and see evidence of former lead mines.

The bus will leave the staff car park at 11.30am, returning at 4.00pm. Over eights should aim to join us and please bring a picnic and warm clothes.

SATURDAY 23rd OCTOBER, 1999 **THE DEER RUT AT TATTON PARK**

OCTOBER is a special time of year for any park which farms deer, as this is the time for the 'rut' when males battle over possession of females. Tatton Park, is home to both Red Deer and Fallow Deer and Juniors will be accompanied around areas of the Deer Park by one of Tatton's wardens. This will be a fine time to see nature 'in the raw' and in lovely surroundings. We also hope to call in to see the animals at Tatton's Home Farm whilst we are there.

Over tens should come prepared for the wind and cold and will need a picnic as we will leave the staff car park at 10.30am, returning there at 4.00pm.

SATURDAY 20th NOVEMBER, 1999 **LIVERPOOL MUSEUM**

WE always have a great day when we visit the Liverpool Museum as they have a really good Natural History Section there. Museum staff will also take Juniors behind the scenes to see how things are used by researchers and how natural history items are stored when they are not on show. There is a taxidermy section within the museum and Juniors can see how animals are prepared for exhibition. One not to be missed by youngsters who want to see what cannot be seen on a 'normal' visit to a museum!

We will leave the staff car park, with picnics at 11.00am, returning at 4.00pm. Over eights.

BOOKINGS must be made for all events. Please ring Penny at the zoo on 01244 650215, **not more than two weeks** before the event you would like to attend. Places are offered on a 'first-come-first-served' basis, and may be limited.

A small charge will be made to cover costs for events involving transport, materials or food. This list is provisional, and in exceptional circumstances we may have to alter dates and venues.

These changes will be printed in Zoo Life - not by individual letters - so keep up to date by reading the Junior pages in each issue!

Arrivals ● Births ● and ● Hatchings ●

MAY, JUNE and JULY 1998



■ Coati



■ Lake Victoria Cichlid

MAMMALS

Bennett's Wallaby	<i>Macropus rufogriseus</i>	0.2.0	Birth
*Ring-tailed Lemur	<i>Lemur catta</i>	0.0.1	Birth
*Red Ruffed Lemur	<i>Varecia variegata rubra</i>	0.1.0	Birth
*Colombian Black Spider Monkey	<i>Ateles fusciceps robustus</i>	0.0.1	Birth
Coati	<i>Nasua nasua</i>	6.9.0	Birth
*Scottish Wild Cat	<i>Felis sylvestris</i>	0.0.3	Birth
*Guanaco	<i>Lama guanicoe</i>	1.0.0	Birth
Giraffe	<i>Giraffa camelopardalis</i>	1.0.0	Birth
*Kafue Flats Red Lechwe	<i>Kobus lechwe kafuensis</i>	1.5.0	Birth
Gemsbok	<i>Oryx gazella gazella</i>	1.0.0	Birth
*Blackbuck	<i>Antilope cervicapra</i>	0.1.0	Birth
*Arabian Gazelle	<i>Gazella gazella arabica</i>	2.3.0	Birth
*Black Rhinoceros	<i>Diceros bicornis</i>	1.0.0	Acquisition

BIRDS

*Humboldt's Penguin	<i>Spheniscus bumboldti</i>	0.0.2	Hatched
*Waldrapp Ibis	<i>Geronticus eremita</i>	0.0.5	Hatched
*Chilean Flamingo	<i>Phoenicopterus chilensis</i>	0.0.1	Hatched
*Black-billed Whistling Duck	<i>Dendrocygna arborea</i>	0.0.1	Hatched
*Marbled Teal	<i>Marmaronetta angustirostris</i>	2.2.0	Acquisition
*Marbled Teal	<i>Marmaronetta angustirostris</i>	0.0.2	Hatched
*Mandarin Duck	<i>Aix galericulata</i>	0.0.16	Hatched
Carolina Duck	<i>Aix sponsa</i>	0.0.8	Hatched
Garganey	<i>Anas querquedula</i>	0.0.1	Hatched
Chiloe Wigeon	<i>Anas sibilatrix</i>	0.0.5	Hatched
*Smew	<i>Mergus albellus</i>	0.0.1	Hatched
*White-headed Duck	<i>Oxyura leucocephala</i>	0.0.3	Hatched
*Red-legged Partridge	<i>Alectoris rufa</i>	0.0.10	Hatched
*Rourol Partridge	<i>Rollulus rourol</i>	0.0.5	Hatched
*Satyr Tragopan	<i>Tragopan satyra</i>	0.0.1	Hatched
*Himalayan Monal	<i>Lophoborus impeyanus</i>	0.0.1	Hatched
*Golden Pheasant	<i>Chrysolophus pictus</i>	0.0.1	Hatched
*Lady Amherst's Pheasant	<i>Chrysolophus amherstiae</i>	0.0.4	Hatched
*Palawan Peacock Pheasant	<i>Polyplectron empbanum</i>	1.1.0	Acquisition
*Malayan Crestless Fireback	<i>Lophura e. erythroptbalma</i>	0.0.1	Hatched
Common Peafowl	<i>Pavo cristatus</i>	0.0.5	Hatched
*Green Peafowl	<i>Pavo muticus</i>	0.0.2	Hatched

BIRDS-continued

*Red-crowned Crane	<i>Grus japonensis</i>	0.0.2	Hatched
*Gough Island Moorhen	<i>Gallinula comeri</i>	0.0.2	Hatched
Jambu Fruit Dove	<i>Ptilinopus jambu</i>	1.1.0	Acquisition
*Mountain Witch Dove	<i>Geotrygon versicolor</i>	0.0.3	Acquisition
*Luzon Bleeding Heart Pigeon	<i>Gallucolumba luzonica</i>	0.0.1	Hatched
*Mindanao Bleeding Heart Dove	<i>Gallucolumba criniger</i>	1.1.0	Acquisition
*Mount Apo Lorikeet	<i>Trichoglossus johnstoniae</i>	0.0.2	Hatched
*Blue-eyed Cockatoo	<i>Cacatua opbtalmica</i>	0.0.2	Hatched
*Blue-eyed Cockatoo	<i>Cacatua opbtalmica</i>	1.1.0	Acquisition
*Lilacine Amazon Parrot	<i>Amazona autumnalis lilacina</i>	0.0.2	Hatched
Red-crested Turaco	<i>Tauraco erythroloppus</i>	0.0.1	Hatched
*Schalow's Turaco	<i>Tauraco schalowi</i>	0.0.1	Hatched
Violet Plantain Eater	<i>Musopbaga violacea</i>	0.0.2	Hatched
Green Wood Hoopoe	<i>Phoeniculus purpureus</i>	0.0.2	Hatched
*Trumpeter Hornbill	<i>Bycanistes buccinator</i>	0.0.1	Hatched
Lesser Green Broadbill	<i>Galyptomena viridis</i>	1.0.0	Acquisition
Fairy Bluebird	<i>Irena puella</i>	0.1.0	Acquisition
White-rumped Shama	<i>Copsychus malabaricus</i>	0.1.0	Acquisition
Plumbeous Redstart	<i>Rhyacornis fuliginosus</i>	0.0.1	Hatched
Orange-headed Ground Thrush	<i>Zootbera citrina</i>	2.0.0	Acquisition
*Yellow-throated Laughing Thrush	<i>Garrulax galbanus</i>	0.0.1	Hatched
Red-billed Leiothrix	<i>Leiothrix lutea</i>	0.0.3	Hatched
Asian Glossy Starling	<i>Aplonis panayensis</i>	0.0.2	Hatched
Grosbeak Starling	<i>Scissirostrum dubium</i>	0.0.1	Hatched
Emerald Starling	<i>Lamprocolius iris</i>	0.0.1	Hatched
African Pied Starling	<i>Spreo bicolor</i>	0.0.1	Hatched
Azure-winged Magpie	<i>Cyanopica cyana</i>	0.0.2	Hatched

REPTILES

Leopard Gecko	<i>Eublepharis macularius</i>	0.0.10	Hatched
Bearded Dragon	<i>Pogona barbatus</i>	0.0.23	Hatched

FISH

*Lake Victoria Cichlid	<i>Haplochromis riponlanus</i>	0.0.40	Bred
Giraffe Catfish	<i>Auchenoglanis occidentalis</i>	0.0.1	Acquisition
Peppered Catfish	<i>Corydoras paleatus</i>	0.0.16	Bred
Blue-channel Catfish	<i>Ictalurus punctatus</i>	0.0.1	Acquisition
*Big-bellied Seahorse	<i>Hippocampus abdominalis</i>	0.0.50	Acquisition

Key: Col. 1=Male. Col. 2=Female. Col. 3=Young or unknown. *Rare/Endangered.

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