CHIPEMBELE WILDLIFE EDUCATION TRUST

ANNUAL REPORT
2018
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Dear Supporter

In 2018 we celebrated Chipembele’s 20th year of operation. We’ve come far! It all began back in 1998 when Steve and I camped in a small tent on the banks of the Luangwa River and dreamed of establishing a conservation education centre for the local school children. Fortunately, the late Chief Kakambi believed in our vision and gave us the land on which to establish the project. Fast forwarding twenty years, Chipembele has grown considerably and now also operates from a small campus in the grounds of Mfuwe Secondary School, which has become the hub of the organisation and puts our work right in the heart of the local community. For the first 10 years I ran everything, and was ‘chief cook and bottle washer’, but we now employ 15 staff and our highly motivated Education Team teaches in 18 schools across the greater Mfuwe area. We also lead conservation sessions in hundreds of community groups each year. In addition, Chipembele has been the recipient of 5 international awards.

Running a charitable education organisation in remote rural African community is not easy, but it is extremely rewarding. Looking back over the last 20 years my most prominent memories are of the thousands of students who have participated in our Conservation Clubs. There have been so many shining personalities and passionate conservationists. They have helped to keep the programmes vibrant and dynamic. Many of them have gone on to study or take up careers in biological sciences, vet nursing, forestry, eco-tourism, wildlife film making, environmental journalism, natural resource management or wildlife research. In doing so they have become Zambia’s young conservation leaders and that is everything we hoped for.

I feel a great sense of pride when I read in publications or hear people say that Chipembele is one of the best conservation education programmes in the country. If that accolade is true then it is only because our dedicated staff and Board of Trustees, our committed and passionate students and our kind and generous supporters have provided the rock steady foundations necessary in an organisation to be able to achieve it. We are enormously grateful to you all.

We now look forward to the next 20 years of conservation education in South Luangwa for the benefit of people, wildlife and habitats and hope you will join us on the exciting journey.

Zikomo kwambili! (Thank you very much!)

Anna and Steve, Co-founding Directors
Where We Work

Chipembele Wildlife Education Trust (CWET) focuses its core work in and around the rural settlement of Mfuwe, which borders South Luangwa National Park of Eastern Province, Zambia.
Where We Work

There are two main centres of operation:

1. **Chipembele Conservation Centre** (also known as the Chipembele Centre), which is the site of the permanent home of Steve and Anna Tolan (founding Directors). The Centre is located 16km South West of Mfuwe, close to the banks of the Luangwa River, in a wild and unspoilt area of the Lower Lupande Game Management Area. It comprises a classroom, library, discovery room, office, kitchen, storerooms, toilets and a chitenge (summer hut). There is also a large perennial pond and a range of rehabilitation facilities for orphaned and injured animals.

   GPS co-ordinates: S 13° 12.123’ E 031° 42.220’

   Students participating in the Chipembele Centre programme come from 7 different schools: 1) Chiwawata Basic School; 2) Kakumbi Primary School; 3) Kawaza Primary School; 4) Mfuwe Primary School 5) Mfuwe Day Secondary School; 6) Nsefu Day Secondary School; and 7) Yosefe Basic School

2. **Chipembele Conservation Education Outreach Programme** (CEOP) at the Chipembele Offices is located on the grounds of Mfuwe Day Secondary School in the heart of Mfuwe. The offices are approximately 20 km from the Chipembele Centre. This small campus includes the administration offices, a classroom, a student resource room, the Education Team offices, a botanic garden, a Community Nature Conservancy (1 Ha) and the Principal Conservation Educator’s house.

   GPS co-ordinates: S 13° 7.509’ E 31° 48.992’

   Our Education Team works with 31 Conservation and Chongololo Clubs from 18 primary and secondary schools across Kakumbi, Nsefu and Mnkhanya Chiefdoms of Mambwe District. Our Mobile Education Unit Outreach Programme (MEUOP), which launched in 2017, serves more distant and remote communities and schools. This allows us to also reach Malama, Mwanya, Msoro and Jumbe Chiefdoms.
Mission and Objectives

Mission
To teach Zambian children and communities the value of wildlife and their environment so they may be conserved for present and future generations

Vision
People and wildlife living in harmony throughout Zambia.

Motto
‘Learn to conserve’

Tag Lines
‘...giving children and communities hope and wildlife a chance’
‘...teaching Zambian children and communities the value of wildlife.’
‘My community, my environment, my responsibility’

Values
Integrity | Passion | Leadership | Commitment

Objectives
1. To teach the local children and communities the value of wildlife and how to conserve their environment using both traditional and more modern, interactive methods.
2. To provide a Conservation Education Centre with a high standard of facilities and educational materials for the benefit of the local community and national/international visitors.
3. To assist in the provision of educational materials on wildlife for dissemination in local schools and other institutes.
4. To provide a free wildlife resource centre (including an Africana library and an interpretive room) for interested parties from the local community (e.g. teachers, trainee safari guides etc.).
5. To admit the wider community for the purposes of study, research and recreation in order to raise awareness of the urgent need for conservation in the area.
6. To support and administer improvement projects in the local schools through material assistance and sponsorship of teachers and pupils.
7. To provide administrative and scientific assistance and support to persons and bodies having objectives similar to those of CWET.
8. To promote and encourage the protection and preservation of local flora and fauna through regulated antipoaching and forestry patrols and liaison with both local and national statutory bodies.
9. To provide a refuge for orphaned and injured wild animals with the aim of rehabilitating them to the wild when they are ready.
10. To liaise with and support researchers from around the world on the wildlife, archaeology and palaeontology of the area.
Chipembele Team

Chipembele Centre:

- Anna & Steve Tolan, Co-Founders and Directors of Chipembele Wildlife Education Trust (CWET), have been based at Chipembele Centre since 1998. Both are British and have been unsalaried since CWET’s inception.
- Andrew Kamanga, Vehicle Supervisor and Logistics Coordinator (Zambian)
- Yona Phiri, Driver and Mechanic (Zambian)
- 3 Domestic and Maintenance staff (Zambian): Moses Banda, Songiso Mwale and Daniel Zulu

See more about Anna & Steve at: www.chipembele.org/about/tolan

Equal Employment Opportunity Statement

Chipembele Wildlife Education Trust is an equal opportunity employer and does not discriminate on the basis of race, colour, creed, national or ethnic origin, gender, religion, disability or age in its employment policies, operations and programmes. Chipembele Wildlife Education Trust complies with all Zambian employment and equal opportunity laws.
Chipembele Team

Chipembele Offices:

Administration Team

- Karlyn Langjahr, Conservation Programme Manager (American)
- Japhet Shanungu, Accounts Officer and IT/Computer Teacher (Zambian)
- Eunice Nakacinda (up until October), Programme Support Officer (Zambian)
- Naomi Sakala, Office Cleaner (Zambian)
- Alick Kopa (moved from Centre to Offices in July), Domestic and Ground Maintenance (Zambian)

Conservation Education Team

- Corey Jeal (new in May), Conservation Education Manager (Australian)
- Philip Muyoma, Principal Conservation Educator (Zambian)
- 4 Community Conservation Educators in 4 different zones surrounding Mfuwe (Zambian): Dan Banda, John Sakala, Daniel Zulu and John K Banda

See more about our team at: www.chipembele.org/about/staff
Board of Trustees

CWET (Zambia) Board of Trustees:
1. Steve Tolan (Non-Executive Director)
2. Christina ‘Gid’ Carr (Chair)
3. Deb Tittle (Secretary)
4. Charles Zulu (Community Liaison)
5. Adam Goulding (Trustee)
6. Thandiwe Mweetwa (Science Advisor)
7. Jude Price (Trustee)
8. Kaye Brown (Trustee)
9. Emma Still (Creative Director)
10. Ruth Macallan (Trustee)

Chipembele Trust (UK) Board of Trustees:
1. Nigel Morgan (Secretary)
2. Paul Norley (Treasurer)
3. June Chapman (Trustee)

See more about our Trusts at:  www.chipembele.org/about/trusts

Registration of CWET
Chipembele Wildlife Education Trust was established as a charitable trust in Zambia in 1998 and is registered with PACRA (Patents and Companies Registration Agency), registration number 41317. It is also registered as a Zambian NGO (non-governmental organization) with the Ministry of Community Development, certificate number ENGO 101/0046/13. It is registered in the UK as Chipembele Trust with registered charity number 1107698.
<table>
<thead>
<tr>
<th>Name of Organisation &amp; Website</th>
<th>How Partnered with CWET</th>
</tr>
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<tbody>
<tr>
<td>Zambian Carnivore Programme (ZCP)</td>
<td>ZCP leads conservation research in the field and classroom for 30 of Chipembele’s Conservation Club students every Friday.</td>
</tr>
<tr>
<td><a href="http://www.zambiaacarnivores.org">www.zambiaacarnivores.org</a></td>
<td></td>
</tr>
<tr>
<td>Wildlife and Environmental Conservation Society (WECSZ) Chipata Branch</td>
<td>WECSZ (Chipata Branch) allows the free use of student dormitory at Wildlife Camp for Nature Nights Programme, and bring students from Conservation Education Centre.</td>
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<tr>
<td><a href="http://conservationzambia.org">http://conservationzambia.org</a></td>
<td></td>
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<tr>
<td>Project Luangwa</td>
<td>We partner with Project Luangwa on gender related activities, including Menstrual Hygiene day and International day of the Girl.</td>
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<td><a href="http://projectluangwa.org">http://projectluangwa.org</a></td>
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<td><a href="http://www.wwfzm.panda.org">www.wwfzm.panda.org</a></td>
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<tr>
<td>Conservation Lower Zambezi</td>
<td>Chipembele partnered with Conservation Lower Zambezi to conduct an Educators Exchange between the two organisations. One educator from each NGO visited the other to learn about another organisation’s efforts in conservation education.</td>
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<td><a href="http://www.conservationlowerzambezi.org">www.conservationlowerzambezi.org</a></td>
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<tr>
<td>Game Rangers International (GRI)</td>
<td>Chipembele partnered with Game Rangers International to conduct an Educators Exchange between the two organisations. One educator from each NGO visited the other to learn about another organisation’s efforts in conservation education.</td>
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<td><a href="http://www.gamerangersinternational.org">www.gamerangersinternational.org</a></td>
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A. Conservation Education Programmes

1) Chipembele Conservation Education Centre

Anna continued running her full-day education programme at Chipembele Conservation Education Centre twice a week in terms 2 and 3 to clubs from seven of our core local schools. Chongololo Clubs refer to those at primary school level (grades 5 to 7) and Conservation Clubs comprise of students from secondary level (grades 8 to 12). Participating schools in 2018 included:

a. Chiwawatala Basic School (Conservation and Chongololo Clubs)
b. Kakumbi Primary School (Chongololo Club)
c. Kawaza Primary School (Chongololo Clubs)
d. Mfuwe Primary School (Chongololo Clubs)
e. Mfuwe Secondary School (Conservation Clubs)
f. Nsefu Day Secondary School (Conservation Club)
g. Yosefe Basic School (Conservation and Chongololo Clubs)

All lessons delivered in 2018 centred around the theme of “Our Luangwa River” in partnership with WWF Zambia and included: lakes and rivers of Africa, bush meat, trees of the Luangwa Valley, food cycles and tourism in South Luangwa. In 2018, 760 local students (328 girls and 432 boys) attended the dynamic, full-day programme and activities. A total of 63 students visited from outside of the regular programme including visits from Yosefe Girls Club (20), Peace Corps Eastern Province (20), Magweru School for the Blind (14), and Kapani Bush School (9).
2) Conservation Education Outreach Programme (CEOP)

In May 2018 we welcomed new Conservation Education Manager (CEM) Corey Jeal to the team. Philip Muyoma, Principal Conservation Educator (PCE) was at the helm of the Education Programme, and had stepped up to greater responsibility in the months before Corey was recruited. Our four CCEs furthered their community relationships and impact now that they have been in place two years. CCEs spent their weekday mornings convening community groups with presentations and discussions about various conservation topics centred around the Luangwa River, including anti-poaching and river health. We continued running the community outreach programme within those four zones of Mfuwe Central, Nsefu, Kakumbi and Mnkhanya.

Corey and the Education team led a number of innovative, diverse, hands-on and fun programmes, activities and projects in 2018:

Conservation Education in Schools

Corey (CEM) and our four CCEs taught lessons in 18 schools with 31 Conservation and Chongololo Clubs on a variety of topics related to the Luangwa River: aquatic ecology, riverine habitat, river ecology and ecosystems, Luangwa Valley, journey of a river, river pollution, river wildlife, aquatic insects, fish, fishing, renewable energy, dams, and case studies. With 30 members in each Club, we worked with a total of 930 different students in 2018. Additionally, Corey covered the following special topics during lessons to his Clubs: the scientific method, biodiversity and field biodiversity sampling. Our partnership with WWF Zambia to raise awareness of the Luangwa River throughout 2018 allowed us to highlight its unique qualities, and how its pristine condition sustains communities and wildlife in the Luangwa Valley and beyond.
Community Outreach Programme

Our four CCEs furthered their community relationships and impact after having been in place two years. CCEs spent their weekday mornings convening community groups with presentations and discussions about various conservation topics centred around the Luangwa River, including anti-poaching, river health. In 2018 a total of 322 community lessons were conducted reaching a total of 5,137 community members who attended presentations and discussions facilitated by our CCEs in the four zones. This is more than a 100% increase from our impact in 2017 when we engaged with 2,418 community members through these meetings.

Educational Field Trips

Chipembele ran educational field trips into South Luangwa National Park for each of our 31 Chongololo and Conservation Clubs from 18 Schools in the Greater Mfuwe area. Students collected data on wildlife and learned about basic scientific methods for monitoring wildlife and populations, including giraffes. We produced informational brochures about our endemic Thornicroft’s giraffe including their conservation status, tips for identification and general biological information. Wildlife sightings were a great opportunity to stop and engage with the students on the specific species, as well discuss conservation issues that could be affecting that particular species and its habitat. A total of 465 students and 31 teachers participated on these field trips, which are one of our most popular activities for Chipembele Club members. For many of these students, it was their first time visiting their national park. These trips are essential in demonstrating the value of wildlife to our students and teachers whose support is critical for protecting and conserving these amazing ecosystems and wildlife for future generations. We thank Save The Giraffes, for supporting the 2018 field trip running costs.
**Nature Nights Programme**

Chipembele’s Education Team ran a total of 4 educational “Nature Nights” camping expeditions in May and August during the school holidays, with 32 total students representing schools from all 4 zones we work in. For each of the outings, we invited one dedicated and active Conservation or Chongololo Club patron or matron. We also employed an armed scout to accompany the group at all times for safety reasons and a licensed walking safari guide to lead students on bush walks that complement the game drives within South Luangwa National Park. Educational sessions during Nature Nights are designed to build students’ skills in leadership, teamwork, communication, and compassion. However, they still incorporate wildlife ecology and conservation lessons into their excursions, including nature studies and star gazing. Each Nature Nights expedition lasts 3 days/2 nights and takes place in the Wildlife Camp estate thanks to our partnership with Wildlife and Environmental Conservation Society’s Chipata Branch allowing us to use their camp site as a base.

**Campaign to Conserve Our Luangwa River**

The annual environmental campaign for 2018 inspired youth and community members to “Conserve Our Luangwa River” in Mfuwe Central. Starting at Yosefe School on the 21st of July, Chipembele’s Mobile Education Unit led hundreds of students in a parade toward Mfuwe town carrying banners and signs that urged the conservation of our Luangwa River. When reaching the Matizye Bridge, a ribbon cutting ceremony with Chief Kakumbi and other community dignitaries unfolded to launch the Luangwa River Community Mural. Students then led the crowd to the main event at Fwalu Village, where the festivities took place. Women in Theatre presented a powerful drama to raise awareness of potential threats to the Luangwa River, local experts shared their knowledge of community-based agriculture for soil protection and fisheries management, and a variety of student and local performers dazzled us with songs, dances and poetry. Students in the Mfuwe Day Saturday Conservation Club drove the planning and implementing of the campaign and we had a unique opportunity this year to involve visiting Australian conservation students who are “Mentors at the Zoo” (MATZ) for Zoos South Australia in Adelaide. Our Australian guests visited as part of the “Tisamale Global Exchange” (read more below) and provided oodles of energy, hard work and passion to this year’s campaign.
Our Mfuwe Day Secondary Saturday Conservation Club members had the unique privilege of participating in “Tisamale Global Exchange” this year. Tisamale means “we conserve” in Chinyanja, and was launched with a rigorous and competitive “Australia Challenge” in early 2018 to earn one of 14 places on a trip to Australia in 2019. In July, we hosted our Australian students who are “Mentors at the Zoo” (MATZ) from Monarto Zoo in Adelaide. These 7 energetic and impassioned university students spent 3 weeks fully immersed in Chipembele’s conservation education programmes, while working alongside all of our Saturday Conservation Club members. On top of that, they participated in our annual Environmental Campaign, dedicated many hours to painting the Luangwa River Community Mural and visited fellow NGOs Zambian Carnivore Programme and Conservation South Luangwa (CSL).

A huge thanks to Zoos South Australia for making this exchange possible!
We would like to recognise the following people for sharing their expertise and warmth to our students as part of the Tisamale Global Exchange:

- **Emma Still**, of Zoos South Australia and Creating for Conservation, partnered with Anna Tolan to create the Tisamale Global Exchange. Also the Creative Director on our Board of Trustees, Emma leads the development of the Australia 2019 trip itinerary and raised most of the funds for all the expenses involved. She was the inspiration behind the Luangwa River Community Mural and led its artistic creation.

- **Liberty Olds**, Conservation Manager for Zoos South Australia, accompanied Emma and the MATZ to Mfuwe and co-designed the Mural.

- **Conservation Career Insight Session and Panel for the Tisamale students and MATZ**: Kalinda Zimba (General Manager of the Kapani School Project of Time and Tide Foundation); Billy Banda (Human Wildlife Conflict Coordinator of CSL); Abraham Banda (Senior Guide at Norman Carr Safaris); and Godfrey Mwana (Head of Dog Detection Unit for CSL).

- **Julie Mills**, Australian environmentalist, delivered an eye-opening presentation on invasive species in Australia and formed part of the panel judging student presentations in the Australia Challenge.

- **Paul and Kathy Eden**, Veterinarian and Zoo Manager/Educator of Zoos Victoria in Australia, kindly presented on Australian wildlife and conservation issues to our Saturday Conservation Club members.
To celebrate our Luangwa River, a beautiful 50m by 5m community mural was painted at a prominent location in Mfuwe at the Matizye Bridge. Designers Emma Still (Creative Director of our Board of Trustees) and Liberty Olds, both of Zoos South Australia, spearheaded this community-wide effort to artistically paint and stencil iconic wildlife and community scenes to reflect the cultural identify and heritage we have towards our Luangwa River. More than 400 people from the local community and countries around the world participated in creating the mural. Several messages streamed through the mural in both English and Chinyanja: “Our river is healthy, wild and free,” “The Luangwa River supports wildlife and communities,” “Keep the Luangwa River free flowing,” and “Learn to conserve with Chipembele”. After its completion in July, Hon. Chief Kakumbi joined us in the ribbon cutting ceremony to celebrate the completion of this new addition to our community. The mural was created as part of our WWF (Zambia) partnership in 2018 in conjunction with our Environmental Campaign and the Tisamale Global Exchange. We are also grateful for Hon. Chief Kakumbi’s support and enthusiasm. A heartfelt thanks to all who came out and left their creative mark on this mural.

Thank you Hon. Chief Kakumbi for inaugurating our mural at the ribbon-cutting ceremony!
Ndubaluba Outdoor Adventure Centre

A group of thirteen students embarked on an inspiring course at the Ndubaluba Outdoor Adventure Centre near Mkushi, Central Zambia for a week with Corey Jeal (CEM), John K Banda (CCE) and Mukuma Tembo (teacher at Mfuwe Day Secondary School). Members of the Kakuli Conservation Club earned their place on this week-long ‘Ndubaluba Extreme’ course in which they were challenged physically, mentally and spiritually. The programme is designed to build skills in leadership and teamwork as well as undertaking activities outside of their comfort zone. Activities included learning how to kayak for the first time, climbing ‘the tower’, completing a 10km ‘Rocket Race’ with 7 different challenges along the way, a ‘Survival Day’ to tackle real survival skills on a team, and much more. This life-changing experience tested students on how they would react under pressure and allowed them to develop life skills from self-discovery and growth throughout the week. We thank the staff and facilities at Ndubaluba Outdoor Centre for facilitating this unforgettable journey.
This year we launched the first ever Educators Exchange with our Community Conservation Educators (CCEs) and Educators from fellow Zambian non-government conservation organisations. The aim was for our CCEs to gain a better understanding of how similar NGOs operate and approach education to address their conservation challenges. Our CCE Daniel Zulu traveled to Itezhi-Tezhi to experience Game Rangers International (GRI) education work in the vicinity of Kafue National Park, and then Chipembele hosted GRI's educator, Leonard Kalima. Our CCE Dan Banda shadowed Besa Kaoma and his team from Conservation Lower Zambezi (CLZ) and we later hosted Besa in Mfuwe with the Chipembele team. We thank GRI and CLZ for their partnership in this unique opportunity.

Mobile Education Unit Outreach Programme (MEUOP)

Our Mobile Education Unit (MEU) team conducted 10 trips in 2018 into more distant communities of 5 Chiefdoms (Malama, Mwanya, Msoro, Mnkanya and Jumbe) after establishing a strong relationship with each Chiefdom in 2017. Overall the MEU Outreach Programme allowed us to expand our reach from about Overall the MEU Outreach Programme allowed us to expand our reach from 350 km² to more than 5,920 km². On each trip, a team of 3 Chipembele members of the Education Team spent 3 days and 2 nights conducting community meetings and visiting schools. The Chiefs and other traditional leaders, Community Resource Board representatives and Head Teachers have all been instrumental in making these trips successful. We were thrilled by the positive response and warm reception we received on each trip.

During our 2018 trips, our community meetings and lessons focused on the Luangwa River as part of our WWF Zambia partnership, and we conducted surveys to gather information about their perceptions of a proposed dam on the Luangwa River. We continued meeting with and training teachers on how to form and lead Conservation and Chongololo Clubs, running a mobile library, and showing evening wildlife documentaries. From 2017 to 2018 we increased the number of schools with CWET educational programmes from 18 to 41.
Chikondwelero Celebration Event

Nearly 350 of our 31 Conservation and Chongololo Club students in the 18 schools we work in came together for our second “Chikondwelero” celebration in late September, accompanied by Club Patrons or Matrons, who are teachers at those schools. Chikondwelero means celebration in the local language of Chinyanja. The all-day event was held in the grounds of Mfuwe Primary School and brought our students together for silly races, drama performances, dances, face painting, and live music featuring up-and-coming young musicians performing original songs about the Luangwa River, including some of our own students. This year’s celebration highlighted the Luangwa River through our WWF Zambia partnership and reminded all of us what it means to be a steward of our natural resources for present and future generations.

Zambian Carnivore Programme Fridays

Thanks to a partnership with Zambian Carnivore Programme (ZCP), some of our Conservation Club students at Mfuwe Day have the unique opportunity to participate in the ZCP Club on Friday afternoons during the school terms. ZCP Field Ecologists and Chipembele Educators lead Club members through a year-long process of designing and testing a research question that will help answer a natural resource management question. In 2018 their research question explored whether or not time of year (season) and river physical characteristics influence wildlife density and diversity in an area. This process includes conducting wildlife field surveys at two sections of the river inside South Luangwa National Park, one with and one without an oxbow lake formation nearby. Students also received training on river systems and how they impact species diversity and distribution, how to use camera traps and hand-held GPS units, how to use Microsoft Excel and enter data and more. Students were also mentored in how to analyse their data and results and then prepare and deliver a formal presentation on their research question. There are few hands-on, field-based learning experiences like this in the world, so our students are privileged to learn what it takes to be a Field Biologist or Field Ecologist.
**Computer Training**

Every afternoon during the school year our IT/Computer Teacher, Japhet Shanungu, taught computing to our Conservation and Chongololo Club students from 5 schools in the Mfuwe Central zone. During the term breaks of April/May and August he delivered these programmes in the mornings to more distant students of Kakumbi zone. In 2018, Japhet provided computer instruction to 170 students, focusing on basic typing skills and advancing to Microsoft programmes such as Word and Excel. We thank Mfuwe Lodge for their generous donation of 14 used Apple desktops for our computer room, which have been tremendously helpful to the development of computer literacy for the students in our conservation programmes.

**Skill-up! Photography Workshops, J&A Camera Club and Student Photography Exhibition**

The J&A Camera Club held another busy and productive year with founders Julie and Adam Bates of Shutter Speed Pictures (UK). There were 22 active Camera Club members in 2018, participating in monthly club meetings taught remotely by Julie and facilitated by our Principal Conservation Educator, Philip. Additionally, several workshops were led by Julie and Adam during term breaks. In August, students refined their skills and focused on controlling their camera settings under different lighting conditions, from night shoots to bright light and macro shooting. They were challenged to take imaginative portraits and went on an outing into South Luangwa National Park for wildlife photography. Philip was also able to join Julie on an expedition to Mafinga Hills on the border with Malawi, where they trained students affiliated with Wildlife and Environmental Conservation Society (WECSZ) programmes and established a WECSZ Camera Club.

During the course of the year Edward Selfe, Mfuwe-based professional photographic safari guide, spoke to them about his work. Additionally, Ed donated his time and vehicle to lead Camera Club members into the national park to capture images of the Luangwa River for the travelling student photography exhibition.

In December, Julie returned for week-long photography workshop, dubbed “photography bootcamp”, which required more focus and mastery. Students honed their skills in shutter speed, aperture and ISO and the interaction of the three, and were able to practice night photography again. The 2018 Photography Year Book was released, featuring the best student photos from the year. Ganizahni Mwanza won the coveted prize of “Photographer of the Year” for 2018. It is amazing to witness the joy and creativity that Julie brings out in our students and how much growth and progress they have made in a relatively short amount of time.
Another traveling student photography exhibition called “A Celebration of the Luangwa River” resulted from last year’s best photos of the Luangwa River taken by Camera Club members. We thank Mfuwe Lodge, Chinzombo Lodge of Norman Carr Safaris and Project Luangwa for generously hosting this traveling exhibition to showcase their work and messages.

We would like to extend special thanks to extraordinary volunteers, Julie and Adam Bates of the UK, for their continued support of our Camera Club. They oversee and develop monthly meetings remotely and travel to Mfuwe several times a year to deliver Skill-Up! workshops. Julie and Adam developed the annual Photography Year Book and produced the posters for the student travelling photography exhibition once again. We are thankful for the mentorship and student support they lovingly give to our Camera Club members and their generous contributions of camera equipment, computers and our office internet subscriptions.
Skill-Up! in 2018

We continue to support opportunities for our students to grow and develop life skills beyond the conservation education they focus on in core Club activities and programmes with Chipembele.

In 2018, several “Skill-Up!” sessions were offered:

- **Sharing and Valuing Cultures seminar** in April with Francine Waldhart of Wisconsin, USA to help prepare Saturday Conservation Club members for the Tisamale Global Exchange with Australians. They anticipated what visiting Australian students might be most surprised by and what cultural norms they could expect when visiting Australia, for those going in 2019. The aim was to discuss and share different cultural practices and values with a goal of respecting different views instead of judging or dismissing them as “good” or “bad”.

- **Introduction to Yoga and Meditation workshops** in May led by Conservation Programme Manager, Karlyn, to share the benefits of yoga and how this ancient practice can be applied to modern day living in school, families, friendships and communities. Later in the year, a Yoga Club was formed with members of Mfuwe Primary Chongololo Club members.

- **Coping with Stress seminars** in June to Mfuwe Day Conservation Club members led by Suré Tredoux and Ronel Jordaan of Cape Town. They explained the different types of stresses that we experience and addressed ways to help alleviate emotional stress in our everyday lives. They also highlighted the scientifically-proven benefits of taking 10 minutes of quiet time each day (meditation or prayer) to reduce stress and emphasised the benefits of daily exercise.

- **Jiu-Jitsu for Self-Defence & Self-Empowerment** for girls only of Mfuwe Day Conservation Club members in June and September, led by Suré Tredoux and Ronel Jordaan of Cape Town in a safe and inspiring way. Several techniques were taught to empower girls with more confidence and to have tools to escape situations of needing to protect or defend themselves. Girls clearly had fun sharing and putting these techniques into practise in such a supportive and controlled environment.

Skill-Up! seminars were all conducted on a voluntary basis, so we thank Francine Waldhart, Suré Tredoux and Ronel Jordaan for sharing their time, energy, passion and expertise with future conservationists of Zambia.
In May, girls from our Kakuli and Saturday Conservation Clubs participated in the annual Menstrual Hygiene Day organised by Project Luangwa and Yosefe Girls Club. The event was held at Kakumbi Primary School and was incredibly educative, inspirational and entertaining. Using poems, drama and music, representatives from each organisation broached a sensitive topic that our girls face in school and their communities. Using art as a medium of communication, myths about girls’ menstrual cycles were debunked and hygienic practices were shared about this natural aspect of female biology. Mfuwe’s professional drama group, Sensitisation & Education through Kunda Arts (SEKA), delivered a punchy performance that had all audience members’ eyes glued to the scene. We are proud of our girls for sharing their courage and strength through poetry and it was a pleasure to be part of such an empowering event. In October girls from Chipembele Conservation Clubs at Mfuwe Day Secondary School were invited to the presentations and performances celebrating International Day of the Girl, led by Project Luangwa and Time and Tide Foundation.

**Botanic Garden and Nature Conservancy**

Chipembele’s Botanic Garden and Community Nature Conservancy offer outdoor learning spaces for our students. They are also safe and peaceful refuges for them to soak up nature. Students planted and cared for seedlings to create more habitat for wildlife around the Chipembele Offices and enhance the natural environment.

Chipembele employed members from two outlying villages (Maili and Chitambo) to clear the fire break at the end of the rainy season around the Botanic Garden and Nature Conservancy.
Team Building and Bonding Day

Toward the end of 2018 we held an all-staff team-building and bonding day with our entire team, which began with a morning visit into South Luangwa National Park. After a social lunch together, we convened for games and activities at the Offices to get to know each other better, enhance communication skills, build trust and laugh. We concluded with staff awards for each team member in light spirit and good humour. We hope to continue this tradition where all staff from both the Centre and Offices can come together for a day in shared mission and vision for the work we contribute to.

First Ever Strategic Management Planning Retreat

Chipembele managers and Chair of our Board of Trustees held the first Management Strategic Planning Retreat over 2 days to review progress on the CWET’s 2014-2018 Strategic Plan and draft our next Strategic Plan for 2019-2023. We are excited about the shared vision we generated and new targets set for the coming 5 years.
Monitoring, Evaluation and Learning Programme

Chipembele’s MEL efforts are led by PCE Philip Muyoma, following the Monitoring, Evaluation and Learning (MEL) framework that was developed in 2016. The MEL programme continued to be utilised and refined in many of our Education and Outreach Programmes. The following activities were monitored:

- Students in the Schools Programme with Chongololo and Conservation Clubs, including Nature Nights Programme via surveys, focus group discussions and KWL (Know, Want to Learn, Learned) charts
- Community members of the Community Outreach Programme
- Community members during Mobile Education Unit Outreach Programme
- Teachers participating in Chipembele Centre Programme

A report, “Assessing the impact of the Luangwa River on communities in the Mfuwe area and the potential benefits and challenges of the proposed Ndevu Gorge Dam” was produced as a result of 302 individual surveys and 10 focus groups in communities through our partnership with WWF Zambia.

Philip produced a final annual evaluation report for 2018 using all data and analyses.

Additionally, Time and Tide Foundation conducted a questionnaire that compared the depth of conservation knowledge between Chipembele Conservation Club members and non-Conservation Club members at both junior and senior education levels. An overarching finding from their summary report is that, “Chipembele students differentiated themselves in terms of their ability to understand conservation, their inclusive approach to conservation efforts in Mfuwe and their ability to take actions in their day to day lives to drive conservation efforts in the area. Furthermore, senior conservation students demonstrated a deep sense of interconnectedness with the SLNP, and an understanding of how tourism and conservation lead to social benefits in Mfuwe.” The study involved students from Chiwawatala Basic and Mfuwe Day Secondary School.
C. Student Sponsorships

Chipembele sponsored a total of 72 students in 2018, at the primary (8), secondary (52) and tertiary (12) levels. The tertiary students were studying the following subjects:

- Diploma in Art and English Teaching (1)
- Degree in Biology (1)
- Diploma in Forestry (3)
- Degree in Medicine (2)
- Degree in Natural Resource Management (1)
- Diploma in Animal Science (1)
- Degree in Environmental Education (2)
- Degree in Biology (1)

B. Schools Support

Kind donations from Schulprojekte Sambia of Switzerland enabled Chipembele to support the following schools in 2018 through:

- the monthly allowances for 3 untrained teachers at Kakumbi Primary School
- roof repair and toilet construction at Malanga School
- maize garden fertiliser for Kakumbi Primary School
- primary school books, chalk and stationery for Malimba and Kakumbi Primary Schools
- large quantity of reading books for Chipembele's sponsored primary school students

Other Programmes

Education Levels of 2018
Sponsored Students

- Primary: 17%
- Secondary: 11%
- Tertiary: 72%
D. Community

In 2018 we received 124 water roller barrels that were generously donated by Roll out the Barrel Trust in the UK and kindly transported to Lusaka by the National Police Aid Convoys. They were then transported from Lusaka to Mfuwe by Valley Lodgeistics. These 30-litre roll along water barrels help individuals and families who have no nearby boreholes or wells to collect water more easily. Our Education Team delivered these barrels to deserving households in three Chiefdoms (Nsefu, Kakumbi and Mnkhanya), prioritising those with a key family member is disabled or very elderly, or where the distance to collect water is exceptionally far.

We also received a large quantity of donated clothes, toys, toiletries, books and other personal items, mostly from National Police Aid Convoys of the UK. Anna and the CCEs distributed these to community members in need.

Throughout 2018, Anna provided support to two particularly needy families in Mfuwe with food, toiletries and clothes. We were also able to provide transport to hospital for several patients, pay for emergency dental treatment, provide prescription glasses and pay for basic medical treatment for minor ailments for people who were unable to afford it. This community fund was generously donated by Nick West (UK).
E. Animal Rehabilitation

Chipembele’s Animal Rehabilitation Programme is fully authorised and supported by Department of National Parks and Wildlife (DNPW), with the aim for all rescued animals to be reared and nurtured until they can safely be released back to the wild. In 2018 3 orphaned primates were taken into our care: baby yellow baboons Trooper and Norman, and baby vervet monkey Dexter. All are doing very well and growing up to be healthy and cooperative, helping and playing with each other.

Dexter bonded very quickly with Norman and they have been inseparable ever since. Norman carries Dexter under-belly style most of the time... he has been a wonderful surrogate mother.

Sometimes it is a quick release, as in the case of a rescued nestling or fledgling birds, and sometimes it is a very soft release, as with our primates. A hooded vulture brought to Chipembele by DNPW with suspected poisoning recovered fully in a day and was released near to the Luangwa River. He flew long and strong into the National Park. Unfortunately, not all rescued animals are that easy to rehabilitate.

The two warthogs that arrived 2 years ago, Nsolo and Winnie, had been living wild for more than a year and each birthed 3 piglets just before the rainy season started. Nsolo’s babies were all male, whereas Winnie’s babies were all females.

A baby Bushbuck named Peanut was also taken in to Chipembele’s care. He was fed on milk for 3 months and gradually introduced to a diet of young leaves and shoots. Once he was fully weaned, he was gradually released. He usually stays with a group of impalas and appears strong and healthy.
F. Scientific Research

Chipembele’s Co-Founder and non-Executive Director, Steve Tolan, continued to support scientific research in the Luangwa Valley and beyond in 2018.

In March, Steve was invited back to the second Kariba Dinosaur Hunt on the Zimbabwe side of Lake Kariba with 2 dinosaur experts from Witwatersrand University and the Natural History Museum of London, 3 South African university students, 3 members of Zimbabwe's Museums and Monuments, a Zimbabwean geologist and a local safari lodge operator interested in fossils. The expedition was based on a large houseboat that took the team to new locations every few days. The team searched the area around Matusadona National Park, covering both inside and outside the park and uncovered fossils, both dinosaurs and other creatures that lived alongside them during the Late Triassic (~230 million years ago). He was very pleased to have been part of a mission where some important new discoveries were made.

In August, Steve joined a team of scientists representing various international universities and institutes, including the Field Museum, Chicago, to explore North Luangwa National Park. This successful expedition led to finding discoveries of some creatures new to Zambia, and some likely to be new to science. Most of fossils they found are called 'non-mammalian synapsids', so they are distant relatives of mammals from more than 270 million years ago.

In September/October, Steve participated in an expedition to Mozambique with a team of Portuguese and Mozambican palaeontologists that had been working with Mozambique authorities to collect fossils in the North of the country. One student focussed on large fossil logs while the rest of the team explored remote areas for vertebrate fossils. They covered areas that had never been explored for fossils and they found a lot of fossil bones from the Triassic, when dinosaurs were just evolving, but the state of preservation was poor. They then travelled, via Malawi, to the very north of Mozambique, and during this productive expedition at many first-time sites, they may have quadrupled the number of different fossil animals that are known to have lived in the area during the Late Permian, which ended 252 million years ago.
Expenditure 2018

Chipembele Expenditure 2018 by Category

- Administration (14.9%)
- Animal Rehabilitation (2%)
- Education Centre (6.6%)
- Conservation Education Outreach (41.8%)
- Student Sponsorship (22.3%)
- School Projects (1%)
- Vehicles Expenses (11.4%)

[Image]
Major Donors and Funders 2018

Adam and Julie Bates (UK)
Africa Hope Fund (USA)
Alicia Hosking (UK)
Cambridge Capital Trust (UK)
Chipembele Trust (UK)
Civil Society Environment Fund 2 (Finland)
Creating for Conservation (Australia)
Dazzle Africa (USA)
Elephant Charge (Zambia)
Elefence International (USA)
Jude Price and Kaye Brown (Australia)
Laura De Vault (USA)
Lion Camp (Zambia)
Livingstone Foundation (Zambia)

Mark and Julie Mills (UK)
mfuwe Lodge, The Bushcamp Company (Zambia)
Nick West (UK)
Norman Carr Safaris (Zambia)
Olsen Animal Trust (UK)
Painted Dog Conservation, Inc. (Australia)
Save The Giraffes (USA)
Schulprojekte Sambia (Switzerland)
Simon and Marianne Verhallen (Netherlands)
Stop Poaching Now (USA)
Time and Tide Foundation (Mauritius)
WWF Zambia (Zambia)
Zoos South Australia (Australia)
Supporters and Partners 2018

Born Free Foundation (UK)
Carol Van Bruggen (USA)
Hon. Chief Jumbe
Hon. Chief Kakumbi
Hon. Chief Malama
Hon. Chief Mnkhanya
Hon. Chief Msoro
Hon. Chief Mwanya
Hon. Chief Nsefu
Christina Carr (Zambia)
Conservation Lower Zambezi (Zambia)
Conservation South Luangwa (Zambia)
Emma Still (Australia)
Game Rangers International (Zambia)

Jude Price and Kaye Brown (Australia)
Mulberry Mongoose (Zambia)
National Police Aid Convoys (UK)
Peter Phiri, PPS (Zambia)
Philanthropic Ventures Foundation (USA)
Project Luangwa (Zambia)
Roll Out the Barrell (UK)
Teresa Ngoma, District Education Board Secretary (Zambia)
Tribal Textiles (Zambia)
Valley Lodgeistics (Zambia)
Wildlife and Environmental Conservation Society – Chipata Branch (Zambia)
Wild Wonderful World (South Africa)
Zambian Carnivore Programme (Zambia)

Contacts and Links

For further information about the organisation or any of the programmes mentioned above please contact:

Anna Tolan, Director
Chipembele Wildlife Education Trust
PO Box 67, Mfuwe, Zambia

Landline: ++260 216 246108
Cell: ++260 979 854944
E-mail: info@chipembele.org
www.chipembele.org
facebook.com/ChipembeleWildlife
twitter.com/Chipembele
Instagram @chipembelewildlife