



Friends of Kadzinuni

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moving forward aiming high

Registered Charity No. 1098881

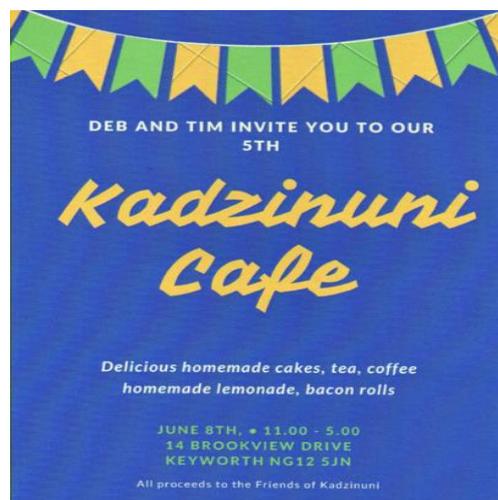
Hon. Patron Joanna Lumley OBE

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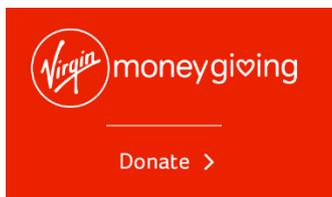
SPRING NEWS 2019

Welcome to our Spring 2019 newsletter.
Inside you can read about...

- Ongoing efforts by our partners from Exeter University to scale up the production of BioChar for soil improvement and cooking fuel.
- **Our link with Lovers Lane School in Newark**
- **September Guitar Club concert**
- **Our new on-line giving service**
– **Virginmoneygiving**



Exeter students (Arthur, Marco & Zain) with our fantastic Rotary partners in Mombasa



BioSmart – our collaboration with the Enactus Students at Exeter University



Thus far this project has been fairly low key as we looked to prove the technology of building and using a BioChar furnace at Kadzinuni to produce this amazing form of charcoal, not from wood but from agricultural waste. The objective next is to scale up production to enable BioChar to be used as a soil improver; increasing yield through enrichment and improved water retention in the soil. In January 2019 a group of three students visited Kadzinuni to learn much more about the community and discuss the plans to scale up production.

There is huge potential for this eco friendly technology to help at Kadzinuni; further enhancing the benefits of the well-established Farmer Training programme that we fund each year. Patrick Nyambu, who leads the Farmer Training, is currently testing different levels of BioChar application to the soil to assess the optimum beneficial dose. We await the results later in 2019. Below is the diary of their visit.

BioSmart Kenya Trip - January 2019

Day 1 – Monday 14th January

- Transferred from London Heathrow to Nairobi arriving at 6am and then to Mombasa by 7am
- Picked up at the airport by Dr Sur's driver and taken to the Tumaini Children's Home
- Picked up Kenyan SIM cards with Safaricom (passports were needed) and did a food shop to last for the week
- Met the children of the home in the evening and spoke with them until they went to bed

Day 2 – Tuesday 15th January

- Picked up by Dr Sur of the Bahari-Mombasa Rotary Club and taken to their meeting at the Mombasa Club by English Point/ Mombasa Fort
- Gave a presentation to the Rotary Club and answered their questions regarding the project
- Established a more formal relationship between Enactus Exeter and the Rotary Club of Bahari-Mombasa
- Key Rotarians met: Dr. Varinder Sur, Daniel Gikonyo, Dr Chhani Sur (current President) and Rotaractor leader Peter Karweru
- Taken around Mombasa by Dr Sur's driver back to Tumaini and visited Yul's beach briefly

Day 3 – Wednesday 16th January

- Picked up by Patrick Nyambu, the main man of Kadzinuni and who the project has relied on for 3 years
- Taken on matatus with Patrick to the Bamburi Junction and then towards Malindi where we got off at the stop Shauri Moyo (after Mtwapa and in the middle of the sisal plantations, once Mombasa Cement Factory is visible)
- Given a tour of Kadzinuni with Patrick, met the village elders, met the welder of the village (Thomas) taken up to see the school where we met the headmaster and met the very intelligent Jonathan
- Investigated the housing designs of the huts in Kadzinuni looking for potential adaptations to include chimneys to redirect smoke from the huts when cooking on current gikos
- Gained an insight into the overall running of the village as well as the culture, began to understand some of the key issues in the village including water shortages, brain drain, AIDs, drug abuse, prostitution and lack of disposable income



**Marco, Patrick & Zain
with a BioChar furnace**



BioChar briquettes

Day 4 – Thursday 17th January

- Began the day by giving Troika Bingwa and barrel sized TLUD designs by Dr. Paul Anderson (Dr. TLUD) to the Rotaractor leader Peter Karweru.
- Printed the Troika Bingwa design instructions for Thomas the welder in Kadzinuni
- Returned to Kadzinuni with Patrick Nyambu to carry out a needs and wants assessment with the farming school of 127 women and 3 men.
- Investigated their current cookstove designs, costs, materials available and demand for new cookstoves
- Patrick showed us his Jikokoas that he was given working for Sun King (solar energy company)
- Watched the women carry out the BioChar test burn with their new TLUD barrel they've recently built – made notes on critiques of their methods, as well as adaptations to improve the furnace
- Went over the stove instructions and the welding/ building capabilities at Thomas' workshop with some of the elders as well as investigating costings and material adaptations of Dr. TLUD's stoves

Day 5 – Friday 18th January

- Made our own way to Kadzinuni and met Patrick at the bus stop, Shauri Moyo.
- Conducted and led our own burn with our TLUD barrel sized furnace using dried leaves, sisal and cowpea as refuse biofuel
- Improved upon the women's techniques by increasing burn duration, cooling period and carbonization by covering the air vents of the furnace after 75 minutes
- Patrick created a sticky paste that could be used to bind biochar briquettes with hands
- Warned the villagers of the danger of burning plastics which led to Patrick proposing a clean-up of the plastic in the village and then burying the waste
- Taught the villagers from the farming school on how to make these briquettes that we then left to dry in the sun and then successfully burnt, therefore creating a sustainable fuel source for the village

Day 6 – Saturday 19th January

- Spent the day with the Rotoractors of Bahari-Mombasa, Malindi and other surrounding areas
- Established formal relations with the Rotoractors and made goals together for the coming months and what to expect from one another in terms of workload.

Our new online donation platform



We are moving to Virgin as BT are closing down their MyDonate platform on 30th June. Virgin charge us no membership fee (unlike JustGiving) and take very small deductions from your gift. In fact you can choose to pay the 2% fee as part of your donation to optimise the money that we receive.

Great support from Lovers Lane Primary School in Newark

In early May we were really pleased to be invited back to this delightful school close to Newark town centre. The children there have been raising funds since 2017 to support a student called Frank Kalama through secondary school. This year the school council chose to hold a "Break the Rules Day" and for £1 each a child could break a school rule for the day. So, children in wigs; bringing cuddly toys into class and many other things were allowed, all to help Frank. Nic gave an assembly to the whole school updating them on how Frank is getting on, going through his latest school report. Elaine was presented with a lovely cheque for £175.

The Friends of Kadzinuni is a UK based charity supporting Kadzinuni Primary School and its rural community. Our Honorary Patron is Joanna Lumley OBE

"The Friends of Kadzinuni are proving themselves to be the best friends one could hope for - energetic, generous, understanding, optimistic, far-sighted, good-humoured and full of love. I'm proud to be one of them and to support their ambitions and achievements."
Joanna Lumley





6th
Annual

Supporting
The
Friends of
Kadzinuni
UK Registered Charity
No. 1098881

Charity Gig

Sat 21st Sept from 7.30pm

Doors open at 7pm

At Keyworth Village Hall, Elm Ave

"A relaxed foot tapping, dancing & sing-a-long end to the summer"

Pop, rock, blues & folk from the last six decades
with local performers plus raffle

BRING YOUR OWN REFRESHMENTS

Tickets £7
(in advance)
On the door £8



Available
from KGC members
Flowers on Main Street
ring 07931 323613
Email: nic@kadzinuni.org.uk

