

FORS News

The Friends of Ruaha Society

FORS is a registered charity based in Iringa, Tanzania near Ruaha National Park. FORS was started in 1984 to assist with the task of safeguarding the wildlife in the park and its environment. However, in recent years, FORS has changed its focus to involve the communities on the eastern boundary of the park. FORS strives to increase the responsibility of the local communities around the park, in Idodi and Pawaga divisions, to slow the destruction of the environment and assist in the search for new balances between people, wildlife and the envi-

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World Environment Day Celebration 2005

This year's celebration was held help. at Mlowa Primary School and was a We were honored to be joined We were happily surprised to

bratory providing communities the opportunity to come together and honor the environment. Students and teachers alike enjoyed traveling to Mlowa we and are grateful to WCS and Kate Forrester Kibuga and

Paulo Kibuga for their extensive Mr. Mbano, the former head of help with transportation - always Tanzania's Wildlife Division and one of FORS's challenges for ac- one of FORS' new committee the revamped Drawing Comtivities such as this!

the environment through the plant- teachers and students to continue sessment with awards given ing of trees, flowers and grasses" as the important work of caring for to Mahuninga, Kitanewa and this year's theme. In line with this the environment. the day began with the Guests of Other guests included members ball and netball matches. Honor being shown a lovely forest of the FORS Team, village leaders, that Mlowa has grown with FORS' and throngs of teachers and students *Continued on page 8

resounding success! Mlowa teach- this year by the District Education welcome representatives ers and students organized a cele- Officer, Mr. Kisiga, as well as by from Matalawe Primary



members. Both gentlemen gave Tanzania declared "beautifying inspiring speeches encouraging the School Environment As-

from all over Idodi Division. School, who had traveled on their own from their distant village to express their desire to be included in future FORS activities.

This year's program included many wonderful performances including songs showing how much the children really know about their environment and the challenges it faces. Everyone enjoyed traditional drumming and dancing, especially by students from Mafuluto who are well known for their skills!

Other activities included petition (see article page 4), Makifu and the annual foot-



MBOMIPA Scouts Receive Training

By K.A.S Ngomello (Advisor and Secretary on the Board of Trustees of MBOMIPA)

Institute in Namtumbo District qualification. (Ruvuma region) and for one scout These scholarships are a dream to undergo training at Pasiansi come true for the MBOMIPA Wildlife Training Institute, Association since one of the criteria

M B O M I P A Kokovo Sute to study at Likuvu and Association has Appolinary Damas to attend r e c e i v e d Pasiansi. The Likuvu trainees are scholarships from the Friends of currently taking a six-week long Ruaha Society and Michalel course which they will complete in Sweatman for four of our Village August 2005. Pasiansi offers a one Game Scouts (VGS) to undergo year course which started in July training in Likuyu Sekemeganga 2005 and leads to a Basic Certificate Community Based Training in Wildlife Management'

for VGSs to be recognized as The scholarships were awarded Authorized Officers (who are to Leonard Kiwonika, Justine allowed to handle firearms and Sanga, Costa Masimba and undertake anti-poaching work in ★Continued on page 2



Apollinary Damas, sponsored by Michael Sweatman through FORS and Mbomipa to attend Pasiansi Wildlife Training Institue.

The Meeting Point

By Leslie Veirs

Ruaha National Park is the ecological meeting point or convergence zone between northern and southern African species. It is an important area because it is where the Acacia-Combretum vegetation of northern Tanzania meets the Miombo woodlands of southwest Africa. This convergence zone was recently of particular significance to my husband and I as it served as our 'meeting point' with FORS staff on the third week of our visit to Tanzania.

After a wonderful two week safari experience in the northern circuit, our FORS-related visits to Iringa, Lunda and Ruaha National Park were a very welcome view of the 'real' Tanzania. During this week we continued with our wildlife viewing but our main goal was to find out more about FORS and Ruaha Na-



Mr Mbano, of WCS and FORS, discusses the environmental education with Val and Leslie Veirs

tional Park. We met staff and talked to them about their environmental education ideas in relation to the proposed Learning Lab at park head-quarters in Msembe (see article page 8).

Our first day in Iringa was spent at the FORS office talking with Anna Marie and Sarah. They showed us the curriculum materials they had developed relating to four environmental themes: water,

weather, wildlife and fire/forests/soil. We also viewed posters and brainstormed a 'wish list', including possible contributions we could make to the Learning Lab and curriculum development. I also gave FORS some science resource materials from the U.S. which are related to the chofour environmental themes. Then it was time for a visit to the market to bar-

gain for fresh fruits and vegetables and those attractive yet functional Iringa baskets!

The next morning our driver, Rongino Kibuga, picked us up and, after an interesting visit to the Stone-Age site of Ismila, drove us to the Coppollilo family's Lunda bush camp. Rongino competently picked his way along bumpy dirt roads, through peaceful villages and into dry riverbeds, to the lovely river

camp of Chris and Pete and their children, Henry and Nina. That evening, after an enjoyable pre-sunset game drive and sundowner conversation with the Coppollilos and Mr. Mbano (a new FORS committee member), we ate dinner by the Great Ruaha River and discussed more FORS-related ideas and some broader African conservation issues.

We spent the next three days observing animals (such as a persistent bull elephant in search of acacia seed-pods just inches from our banda!) in Ruaha National Park and meeting with park officials. We briefly met Charles Ngendo, Acting Head of Outreach Program, before he left for a visit to the local villages. Charles appointed Pendael Johnson Shafuri as our most gracious guide. Shafuri arranged some of our meals and a meeting with Paul Gwaha, acting Park Warden as well as showing us the room where the Learning

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Continuation of page 1

Wildlife Management Areas) is to have undergone the necessary training from recognized government institutions such

as Likuyu and Pansiansi.

After holding consultative talks with MBOMIPA Association leaders. FORS realized that there was a need train MBOMIPA's Village Game Scouts. In order to meet this **FORS** need. launched

fundraising campaigns both within and outside Tanzania. As a result, over three million Tanzanian shillings was raised to pay for tuition fees, meals, accommodation, uniforms, travel costs and allowances. The trainees were sent to the two different institutions depending on their qualifications: Pansiansi



Mbomipa Scouts and Advisors outside the Mbomipa Office in Iringa.

requires that trainees are Form Four candidates with at least a division three pass whereas Likuyu enrolls Standard Seven leavers.

Upon completion of the course each participant is expected to return to work with MBOMIPA, write a report on the course which demonstrates how the course

will improve his work performance and submit a report to the FORS committee.

M B O M I P A A s s o c i a t i o n appreciates the valuable assistance provided by FORS and calls on other organizations to follow their lead as MBOMIPA still has more people who require training.

*FORS would like to thank Michael Sweatman of the Wild Foundation for his generousity and inspiration regarding this scholarship program.

FORS Committee Members Retire

FORS sincerely thanks Charles Dulle and Sue Stolberger for their years of service to the society. Both committee members retired at this year's Annual General Meeting after serving FORS in many different ways. Charles was FORS' most recent chairperson, was an invaluable link to the communities around Ruaha National Park and was instrumental in the inception of the Environmental Education Program. Sue also previously served as chairperson, maintained a close relationship with the park as she worked hard to bring to light the crisis of the Great Ruaha River and was a tireless and successful fundraiser. Thank you, Charles and Sue, and very best wishes for the future.

Ruaha National Park Stakeholders' Meeting

In June, Ruaha National Park held a three-day workshop to review its Ten Year General Management Plan. Participants included members from TANAPA and the Wildlife Division, local government representatives, WCS and WWF, tour operators and NGOs. FORS was represented by Anna Marie.

The workshop focused on conservation, community outreach and tourism.

The resources found in Ruaha National Park were listed and ranked and then groups worked toward formulating a 'Park Purpose', the final version of which

will rearticulate the exceptional value οf Ruaha National Park. Anna Marie had the opportunity to present her group's cussion

formed to discuss issues such as target and action plan. park operation and ecosystem FORS' participation in the management. With the goal of workshop not only provided developing a Management good networking opportuni-Strategy, a logframe was devel-ties but was also a chance for oped to examine each park pro- FORS to continue exploring this goal.

Working groups were also gram's purpose, objectives,

where the resources of our small NGO can be used most effectively to contribute to the conservation of the wider Ruaha ecosystem. Community outreach environmental education continue to rise to the surface as areas where FORS can make a significant contribution.

The results of the workshop will be expanded upon at TANAPA headquarters to feed into the finalization of the Management Plan. FORS looks forward to continuing its support of RUN-APA as they work towards

Teachers' Excursion to Ruaha National Park, July 2005



By Paul Mgulunde, teacher from Makifu Primary school.

Since FORS started the Environmental Education Program with primary schools adjacent to Ruaha National Park, the program has been both valuable and rewarding to collaborating teachers and students. Teachers have enjoyed and appreciated working towards an increased depth of understanding regarding environmental issues through FORS resources, seminars, trainings, excursions, and teaching methodologies. The program continues to improve every year, with a variety of challenging activities for students and this has contributed to better student attendance. Recently, teachers had a two day trip to Ruaha National Park as one of the supplementary activities to the Wildlife module that lasts from July to September. The trips help teachers learn more about the Park and its inhabitants and to feel confident when teaching about wildlife.

The safari was exceptionally arranged. There was effective planning and communication between FORS and the teachers, reliable transport and a well-organized program once we arrived in the Park. We were thrilled by the news that

this year we would have an pala came by the hostel to of the excursion!

experience. Hyena and im-

overnight in Ruaha as part visit as we enjoyed the evening and the amazing food. Dur-There was a lot to learn, ing the game drive we were much to explore and many amazed by several lion prides, areas to visit. We were kept baboons with twin babies, too busy to be tired by the groups of elephant, buffalo, full schedule! It was fun and impala, just to mention a exploring Ruaha National few. We were astonished by Park with teachers from one of the lodges we visiteddifferent schools as it is not Ruaha River Lodge. We apoften that teachers from preciated the general arrangeone school have chance to ment of buildings which were spend time with those from environmentally friendly. The other schools. It was a walk towards the bar, which is great opportunity for us to situated on top of the rocks, have a 'Ruaha-by-night' made us feel like we were on a

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TEACHER QUOTES:

"Are you serious that elephants and giraffes are not found in Europe and America?!?" -a teacher from Mahuninga Primary School

After searching all day for the elusive leopard, a Teacher from Makifu Primary

"There's a leopard, it's just wearing the skins of an impala!"

"For most of us, it is our very first time to spend the night in Ruaha National Park. This trip has provided us with both theoretical knowledge and practical knowledge which will help us teach wildlife to our students."

the Ward Education Officer of Idodi Ward

Environmental Story Board Competition

Every year, FORS holds a drawing competition with an environmental theme for the school children of Idodi Division. This year, in an effort to

be more inclusive and encourage children with various interests and abilities to partake in the event, we changed the format to one that is more in line with FORS' overall philosophy regarding teaching and learning. Students worked in small groups to find a traditional story about the environment and create a "story board", an illustrated telling of their story that can be presented in a display format. Not only did this give writers and art-

ists a chance to shine but it gave children the opportunity to explore the value and relevant environmental wisdom to be found in indigenous stories

We had a prolific response

from the schools with many stunning entries. The stories included animals and people living together in harmony, people protecting the forests



so that they grow tall and dense, and stories which pointed out that if we destroy wildlife habitat those same wildlife can make life difficult for us. A couple of illustrators showed that if you dren in these schools had protect the environment, you never had the opportunity to can make money out of it!

distress at their ravaged habi- our. tat, showing children's empa-Ever after, the village, which the storyboards. Stay tuned! in former years enjoyed good We would like to thank Vlek rains and endless supplies of and Partner B.V. for the genclear water in the rivers, suf- erous funding that made this fered from terrible droughts. year's Environmental Story People realised that they were Board Competition possible actually safer when the snake and the All-Austinlived in the cave and the forest Cooperative Nursery School

The colour pencil pictures the art supplies.

which illustrated these stories were vibrant and lively. Declever groups of authors and spite the fact that most childraw using colours many of Other stories had individual the results showed fantastic animals and trees crying in imagination in the use of col-

At the World Environment thy for the natural world. A Day celebration on June 5th favourite was a traditional the winners were announced. story about a huge snake From each school we chose which long ago lived in a cave Best Illustrations, Best Story, deep in the forest. People Best Environmental Message were so scared of the snake and Best Overall Entry. Since that they left the forest well each story board was created alone. However, one day re- by five students, a total of 160 ports were heard in the village children received drawing and that the snake had been slain writing materials as prizes. so people rushed into the for- FORS is pursuing funding for est and began to cut it down. future publication of some of

who kindly donated some of

2005 Committee

We have great pleasure in announcing that a new committee was elected during this vear's Annual General Meeting, held at the FORS office in Iringa in May. The new committee consists of 8 members.

The new Chairperson is Kate Forrester, a returning committee member. Kate came to Tanzania over twelve years ago to work for Concern Worldwide and has lived here ever since. She has a great deal of experience working in Tanzania and has spent much time in the villages on the boundary of Ruaha National Park.

Chris Coppolillo, also a member of last year's committee, is now the Secretary and has a background in education as a primary school teacher with a Masters in Education. She lives at a conservation camp just outside of Ruaha

National Park where she home schools her children.

new Treasurer is Shanna Sheridan-Johnson, a nurse and midwife who was a founding member of FORS back in 1984. Shanna hosted the very first FORS meeting in her house all those years ago!

Dorothy Bikurakure is a returning committee member who has valuable experience working in the villages on the boundary of Ruaha National Park with the original Mbomipa Project. She currently works for an organization dealing with natural resource management.

Annet Witteveen is also returning for another year on the committee. She has lived in Tanzania for over four years. She has experience working in development and education projects in natural resource management in both Asia and Africa.

We are honored to welcome Mbano Bakari, the former head of Tanzania's Wildlife Division as well as a former teacher at Pasiansi Wildlife Training Institute, and Tosamaganga Secondary School. He is the Assistant Director of WCS' Rungwa Ruaha Conservation Program.

Fiona Oates is an architect and has been working in development in Tanzania for many years exploring and developing sustainable building practices. She is involved with the International School in Iringa as well as being on

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FORS and Roots & Shoots

Shoots.

Friends of Ruaha and the Roots & Shoots program of the Jane Goodall Institute are excited about their new partnership, which will begin with cooperation to support the Idodi Division Schools. Founded by primatologist Dr. Jane Goodall in Dar Es Salaam in 1991, the R&S program is based on the philosophy that each individual matters, and that everyone, especially young people, can make a difference

By Sara Montag of Roots and in their communities. There are now more than 3,000 Roots & Shoots groups in over 90 countries around the world, all working to plan and implement projects to show care and concern for people, animals and the environment

> Roots & Shoots' Iringa coordinators, Dickson Mwalubandu and Maria Mbilinyi, have been working with school clubs in the Ir-

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Giving Voice to the **People**

By; Nringi Naiman Urassa. (A fieldwork student from the Institute of Rural Development Planning (IRDP), Do- third year student at the Institute of boardering Ruaha.

Friends of Ruaha Society has been working with communities adjacent to Ruaha National Park for quite some time but they recently decided to take a "fresh listen" to local people. Taking time to listen to local communities is of paramount importance when initiating any development program. FORS believes that local people are Urassa, with the notebook, talking with villagers well vested with knowledge that can meet those needs.

these projects, FORS wanted to Inter-sectoral Needs (RIPARWIN) and my body temperature soared. voice to local people. learn if there were unrealized op-

portunities in the villages and if so as a Primary Researcher. I felt well- All in all, I was fine after the attack, how we might better assist local prepared to join FORS in their escaping with a few stings on the people in realizing them.

put in touch with FORS. I am a might be viable in the villages who has been assisted by FORS



effort to learn more about what back of my head! Later, many peo-It was good luck then, that I was sort of income-generation projects ple (including Mzee Tengeneza,

the forest. I fear that the harvested honey.

ple live but also to better under- (IRDP) in Dodoma and had chosen producers! I was happily riding a on what else I learn while spending stand their needs and thereby effect to do some fieldwork on micro-bicycle back to Makifu village time in the villages around Ruaha tively help them develop ways to enterprise projects for my Ad- where I stay during this fieldwork National Park and will make recvanced Diploma. I had been em- when the group of bees started ommendations on how FORS It was with all of this in mind that ployed by the Sustainable Manage- attacking me. I decided to run away might use my findings to develop FORS began several micro- ment of the Usangu Wetland and but believe it or not, the bees were their micro-enterprise efforts as a enterprise projects over the past its Catchments (SMUWC) project so highly motivated that I couldn't way forward in poverty reduction couple of years, including vegetable as an Assistant Researcher in rural seem to escape! I decided to lie and sustainable development for growing and honey production. livelihood and have also done some down on the ground in an attempt this special ecosystem. I am very Although some villagers have experienced modest success through ductivity and Releasing Water for a success but my heart was racing opportunity to listen to and give

and has more than 700 beehives) During my first couple told me that I had used exactly the of days in the villages I right strategy to escape the bees learned that many people and that the attack was due to lohave beehives near their tion I was wearing. Apparently the households and others in bees thought I was ready-to-be-

bees may have found out I What I learned from the event is was promoting them being that the area indeed has a suitable kept in hives. I had just climate for beekeeping projects! In held discussions with local addition, local people have a lot of people from Mahuninga expertise to share with us about village when I was at- how these projects might work. It tacked by none other than is essential that their voices are be used not only to learn how peo- Rural Development Planning a group of these buzzing honey- heard. I look forward to reporting

Tanga Workshop on Education for **Sustainable Development**

In March, FORS was invited to a ronmental conservation and suszania.

tion as an essential tool for envi- Culture.

workshop on Promoting Educa- tainable development. This worktion for Sustainable Development shop focused on promoting enviin Tanzania. The workshop was ronmental education by bringing organized by the Ministry of Edu- together different environmental cation and Culture (MOEC) in practitioners from all parts of Tancollaboration with SIDA (Swedish zania (including Zanzibar) in order Embassy) as a follow up to the Rio to reflect, rethink and reform envide Janeiro conference (1992), the ronmental education objectives in World Summit on Sustainable De- order to help meet the United Navelopment (WSSD) in Johannes- tions' Millennium Development burg (2002) and the Goteborg In- Goals. Other participants included ternational Consultation on Educa- members of higher education instition for Sustainable Development. tutions, NGOs, the National Envi-Sarah and Anna Marie attended the ronmental Management Council • three-day workshop in Tanga, Tan- (NEMC), the Vice President's Office, Education Inspectorate of-The previous conferences had fices, the Institute of Education • addressed and emphasized educa- and the Ministry of Education and

> During the workshop, sessions were held that gave FORS the opportunity to network and to share our experience of working

line with the national goals and efforts. This is exciting because it means that the schools surrounding Ruaha National are at the forefront of environmental education in Tanzania. In addition, FORS' Environmental Education Program stands to benefit greatly from the national efforts, as we are working towards common goals.

The objectives of the workshop

- To share experience and common understanding on environmental education and Education for Sustainable Development (ESD);
- To enhance networking among environmental education practitioners and experts;
- To suggest ways of mainstreaming ESD at all levels of the Tanzanian education system; develop a strategy for influencing relevant decision makers and map out what should be done in Tanzania as regards ESD.

in environmental education As a direct result of the workshop with other individuals and FORS has started working closely organizations. The work- with 'Roots and Shoots' (see article shop affirmed that FORS' page 8) in Iringa and has developed work with the Idodi Divi- other new links, for example with sion primary schools is in the 'Menai Bay Conservation Au-

FORS Funding

We would like to thank the following organizations and individuals for their very generous support, received since February

- Vlek and Partner B.V.
- United States Brownies of West Putnam Troop # 2697
- Wildlife Conservation Soci-
- All-Austin-Cooperative **Nursery School**
- Liz Delevser
- Michael Sweatman
- Nam and Tom Siebert
- Val and Leslie Veirs

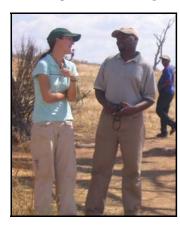
And last but not least, we would like to thank all our members for their interest and support in our programme.



thority' in Zanzibar. We look forward to playing an active role in the ongoing effort to bring effective environmental education to all school children in Tanzania.

Forging and Maintaining Partnerships

FORS is constantly looking to in the villages of Idodi. Tim had



zations who are working in and project was a great success. around Ruaha National Park. By knowledge and our abilities.

with vegetable seed distribution to Encourage Development). S.

forge new links and partnerships received a large quantity of seeds as well as maintain our current which he wanted to get out to relationships with other organi- the farmers in the villages. His idea was that one person in each village could be in charge of selling seeds (for 20 Tsh per packet) and while doing so could impart knowledge of how to grow these vegetables to the farmers who are unfamiliar with more 'exotic' vegetables such as lettuce. FORS linked Tim up with the Head Teacher of Makifu Primary School who could help sell the seeds. As a teacher, we thought he would be well equipped to disperse knowledge about cultivating certain vegetables. The

FORS is, above all, an environboth understanding the needs in mental NGO and as such places the Ruaha ecosystem and being its focus on environmental isaware of what various organiza- sues. However, we recognize that tions have to offer, we are all there is a direct link between better able to contribute effec- poverty and a lack of education tively. By valuing and becoming and environmental destruction. familiar with each others' work Therefore, FORS considers povwe are able to collaborate so that erty reduction, improved primary no one 'reinvents the wheel'. In education and access to seconthe past few months, FORS has dary education as important isbeen communicating with a sues which are inextricably linked number of organizations about to environmental protection. means and ways of sharing our There are many organizations which work in these areas and In March, Tim Lloyd-Jones FORS has formed link a close from the Anglican Church in link with one such organization, Iringa asked FORS to help him S.E.E.D (Secondary Education

E.E.D. is a UK registered char- works in, although not yet in ity that finds sponsors to send Idodi or Pawaga. We disstudents to secondary school. cussed in some depth the ways This year 50 students, who oth- in which our efforts complierwise could not afford to go to ment each other and potential school, are being sponsored by areas of collaboration. We S.E.E.D. During FORS' field came up with many possibilivisits, it became clear that there ties, including hosting awarewere successful standard seven ness-raising workshops for students who were unable to teachers, sharing materials and afford to attend secondary pursuing ways to secure furschool so we decided to put ther training for educators and Idodi Secondary School in outreach authorities. We look touch with S.E.E.D. as a way of forward to pursuing these assisting these students. For ideas with WWF and will keep more information about S.E.E. our members updated on our D., please contact Sarah Vat- progress. land at sarahvat@hotmail.com FORS is also currently or Emma Brice at ejbrice@free- working closely with Roots internet.co.uk.

In early July, members of the the Environmental Club at FORS Team met with WWF's Idodi Secondary School and local environmental education with Mbomipa on scholarrepresentative, Enoch Chen-ships for game scouts (see gulla. Mr. Chengulla is imple- article). We continue our close menting environmental educa- relationship with the Wildlife tion activities (in terms of both Conservation Society from content and pedagogy) in many whom we receive much experof the districts FORS currently tise and assistance.

and Shoots to further develop

Teachers' Manual

FORS is presently working on putting together our teachers' manual for each of our Environmental Education teachers which will include all the lesson plans, warm ups, and helpful teaching tips, which are currently located in the FORS school binder. We would like to thank Liz DeLeyser for helping us to fund the printing of the manual.

Msembe Primary School Marks World Water Week in Own **Style**

World Water Week is a chance to celebrate water and highlight the importance of sustainable uses of water. The primary schools in Idodi Division all marked the occasion in different ways. Msembe Primary School, at park headquarters, must abide by all park rules and therefore have limits on what they are able to do in their surrounding environment. Despite this, they managed to celebrate the week in their own style.

Issa Ngaunje, a teacher from

Msembe explains:

As one supplementary activity to prepared young environmental- The film was awesome! It our water module for the Envi- ists. Anthony Kivike, a student can be used as a teaching aid ronmental Education Program, from Msembe Primary, explained for all of our environmental we decided to spread the message the importance of clean water topics. to people at headquarters by cele- and how to maintain it. He gave Finally, Mr Shafuri from brating World Water Week. The an example of tree planting and Ruaha's Outreach Departevents took place on March 23, the effects of trees in the envi- ment gave some final re-World Water Day. It was as enor- ronment. The clever student illus- marks on the importance of mous occasion for us to com- trated his explanations through water to our life, for animals memorate the day as everyone in concept mapping on a flip chart. and for the whole world. the world does. Teachers and He also referred to some pictures The event ended at 2:30 pm. students prepared several per- drawn by his colleague students The Msembe community is formances. At 9:30 am we started from Msembe Primary School aware of and very active in by tiding up the surrounding area that were posted on the walls. around the school, cleaning of of any trash around the area.

waiting to hear from our well- dents from Idodi Division.

We all watched FORS' 'Water the little water we have. The waste water channels and picking is Life' film. Godwin Gondwe celebration was an important from Independent Television and and effective way for the After this hard work the stu- student Faraja Mramba from students to highlight this for dents went to Lyambangari Social Idodi Primary School narrated their families and all others. Hall where the community was the education film involving stu-

conserving and maintaining

Pawaga Baseline Survey knowledge

FORS, represented by Henriette Verwoerdt (an MSc student from the Netherlands) and Mtindo Shilla (a BSc Environmental Sciences and Management graduate) has recently conducted a baseline survey of environmental knowledge amongst primary school children in the villages around Ruaha National Park.

The survey covered schools in Idodi Division where FORS already runs environmental education activities and in Pawaga Division where the program has not yet started. Several different methods were used. To test the younger students?

environmental (Standard I -

III), picture drawing and group discussions took place. For the older students (Standard IV questionnaires and gap-fill exercises were used. Teachers from both Divisions were interviewed to find out how they felt about the program and if they had any suggestions for improvement.

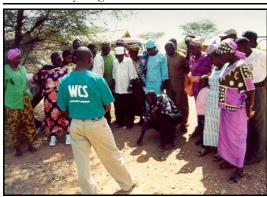
Through the survey, we discovered that although almost all of the students we met knew something about the environment, the children in Idodi Division had a better understanding and wider issues. For example, when asked 'Why do you plant trees?' a student from Pawaga responded: I plant trees because when visitors come in our school they will see that we have trees' yet a student from Idodi answered I plant trees because we can get shadow, fresh air, rain and medicine from them.'

Teachers in both Divisions were very positive about FORS and our environmental education efforts. Pawaga teachers kept saying how much they needed FORS and the Idodi teachers were continuously thanking FORS. In the words of a teacher knowledge of environmental from Idodi division: We had



heard about the environment, but FORS' work has allowed us to discover what 'environment' really means. Please keep FORS going!"

The information gained from this work is an important piece of our work in Idodi and a good first step to working in Pawaga (see UNDP article page 10).



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walking safari alongside the observant jumping hyraxes.

The conservation edu-Shafuri, Mr. Ngendo and Miss enjoyable. Af- mation. ter a relaxing watching envi- organising ronmental these trips films we had for the primany ques- m a r y tions to ask schools of Talks given by Idodi. Wildlife Con-

Teachers' RNP Excursions ety ecologists were also inter- like to thank esting and were accompanied Ruaha by a walk to find animal tracks tional and identify scat. We were and the Wildgiven different posters and life Conservateaching aids for the schools tion our students about wildlife. We make

Masei was in- all went home feeling inspired trips such a wonderful success. A formative and and full of new ideas and infor- very special thank you to Vlek

> We send our sincere thanks teacher trips possible. while to Friends of Ruaha Society for

servation Soci- FORS would

and Partner B.V.for making the



Society The 'brave' walking safari participants listen as cation given by Ruaha's own Mr. that will help us as we teach for helping to the askari (ranger) describes hippopotamus bethese havior

The Meeting Point

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Lab will be. He also shared his that could also be used for cleared from the airstrip, our ideas for the Lab with us, for ex- programs outside the Learning small plane took off for ample having lots of posters and Lab. We all agreed on the Dar. We followed the Great photographs on the walls. We importance of FORS and park Ruaha for a while, reflecting discussed display boxes for ani- staff working closely with the on how vital this water source mal skulls or other artifacts that council, villagers and students is to all who live at 'the meetpark rangers might collect from towards shared goals. the park and we all agreed on the Our last evening in the park memories of our visit and are educational value of a three- was spent viewing the infor- excited about the further condimensional relief map of the mative video "The Great tributions we might make to

Ruaha National Park sounds fast for us before he drove us

park. My husband, Val, said he Ruaha River" (Survival An-FORS' environmental educamight be able to provide a comglia – 1998). Gracious as altion efforts in the future. puter-based audio display of ways, Shafuri arranged break-

and Shafuri and Mr. Gwaha to the Msembe airstrip the mentioned the need for an next morning. After an ele-LCD projector and equipment phant and some zebras were ing point'. We have very fond

2005 Committee

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the FORS Committee.

Janet Hayes joins us after working on environmental education in and around a national park in Vietnam. She is currently working as a Programme Manager for VSO- Tanzania and is studying towards a Masters in Development Management.

The new committee is optimistic that the coming year will be one of great success and increased growth and progress for FORS.

Learning Lab at Msembe RNP

Friends of Ruaha in conjunction with Ruaha National Park plans to develop a Learning Lab at Msembe headquarters.

This center will embody the philosophy of FORS' Environmental Education Program: People are active makers of knowledge and are decision-makers who can and will change their behavior as new knowledge informs. Teaching and learning happen best when the learning environment is interactive, full of stimulating, open-ended activities that allow students to explore, try, play, make, do, reflect, share. Visitors to the Learning Lab will experience and explore the natural world in order to know it and care about it. Ultimately, it is hoped that visitors to the lab will have an increased ability to care for this very special ecosystem.

It is our hope that this will be

a multiple-use space used by Idodi Division students and teachers during FORS visits to the park, Msembe Primary School students and teachers and other groups of visitors to Ruaha. We plan to use an existing building at park headquarters for the Learning Lab. Fresh paint and other minor cosmetic work will be done to make the Learning Lab bright and inviting.

We hope to raise funds to include the following in the Learning Lab:

- 1.Posters including footprints, trees, wildlife, etc.
- 2. Maps, including a large topographic map and map-making activities
- 3. Notice boards, chalk board, white board



4. Audiovisual equipment

- 5. Five senses center including a scent-detection station and equipment including compasses, microscopes, binoculars, magnifying glasses, sound collectors
- 6. Hands-on specimen cases

★Continued on page 10

Schools Initiate Plastic Waste Project



The budding environmentalists in Idodi Division primary

collected every day in school sults from these young stusurroundings. The project aim dents!

schools have increas- is to observe the decompoingly noticed plastic sition processes of the two waste all around their types of wastes. The stuschool compounds. dents and teachers hope to Head teachers presented compare the end products the idea of waste separation of these decompositions to them and decided to ex- and then discuss measures periment on plastic decom- to be taken by schools to position and its effects to overcome the problem. the soil. Every school dug The project started in two trash holes for this March and ends in October project. One hole is for during the beginning of the organic wastes while the Soil/ Forest/ Fire topic. other is for plastic wastes Let's stay tuned for the re-

FORS and Roots & Shoots

Continuation of page 4

inga region for over four years. They hope to contribute their birding and forestry expertise to the Idodi Division schools. The partnership should be a great opportunity to further the goals of both organizations to inspire young people to value and protect the area's natural resources. Like FORS, Roots & Shoots believes that knowledge leads to compassion which inspires action. Roots & Shoots clubs are southern regional coordinaencouraged to do projects to tor, Erasto Njavike. Both help wildlife, the environment Felix and Erasto visited and the human community, Iringa in July and Erasto emphasizing the interconnect- enjoyed meeting with Dickedness of living things. Think- son, Maria, Sarah and ing about the ways each part of Anna-Maria to discuss how an ecosystem affects the other the two organizations can parts is also one of FORS' work together. All agree "green lines" within their Envi- that students should lead ronmental Education Program the way. "The best ideas as they work towards helping for club projects come students learn about human from the students themimpact on protected areas.

The partnership is fully sup- way, the club members take ported by Roots & Shoots' ownership of their pro-Tanzania director, Felix jects." FORS and Roots &

selves," says Maria. "That Mbogella, and Roots & Shoots' Shoots look forward to

World Environment Day

Continuation of page 1

Mlowa adults took home the gold for the adult football competition while Msembe students were champions in both netball and football - they went home to Ruaha National Park tired, happy and proud!

Perhaps the highlight of the day for the FORS Team was hearing a short anecdote from Mr. Mbano after he kindly drove students home at day's end: "Two young boys were in the back of the truck conversing when I realized they were debating about the merits of their parents' work. They argued extensively about cutting trees, voicing both questions and opinions." Students exchanging thoughts and knowledge about relevant environmental issues made the World Environment Day celebration feel like a sure success and highlights the progress of environmental education efforts.

reporting back on this exciting development in Idodi Division schools.



The Drying of the Ruaha River Through the Eyes of Wildlife

By Dr. Peter Coppolitlo of Wildlife Conservation Society's Rungwa-Ruaha Conservation Program Email: Pcoppolitlo@WCS.org

The last two issues of the FORS Newsletter have addressed the drying of the Ruaha River. In the first piece Sue Stohlberger provided a long-term and personal perspective on the river drying. Accounts like this are increasingly important, given the fact that fewer and fewer people concerned with Ruaha and its conservation (including this author!) "knew" the River and the ecosystem before it dried. In the following issue Peter Baur, who participated in the SMUWC Project, offered a hydrological perspective on Usangu and the difficulties in attributing the river drying to a single visible problem. Like Sue's, the scientific perspective is critical because after all, we depend on science to help solve technical problems and balance needs of people and wildlife. Strong advocacy and science have helped galvanize high-level political support for restoration of Ruaha River, and we are all lucky to enjoy this support.

However, one deficiency that still remains is for usand by "us" I mean the collective "we" who hope to restore the river, from villagers in Pawaga to the Rufiji Basin Water Office to the President and Prime Minister—to specify what restoration actually means. Does it mean that a trickle of water a few inches deep and a meter wide will make it to Mtera Reservoir at the end of the dry season? This would certainly be a big step forward, as it would refresh the pools in which many fish die and would drastically expand the availability of surface water (see map); but is that good enough?

With these questions in mind, I offer another perspec-

tive on the idea of restoration: that of wildlife. Unfortunately though, this perspective raises as many questions as it answers, but these are important things to consider as we work toward restoration.

Clearly, for flow-dependent species the loss of habitat is total, because even though dry season distribution of water.) Not surprisingly, a dryseason count of buffalo conducted by WCS and RUN-APA, failed to find buffalo east of the *Tortillis* woodlands between Msembe and the Mwagusi-Ruaha Confluence.

Of course, the drying of the Ruaha is just one indirect ef-

words, in addition to the loss of the Ruaha River, Ihefu Swmp, the largest and only "protected" wetland in the Ruaha ecosystem has also been severely affected.

The economic losses are equally significant. Probably the most immediately noticeable loss is the future tourism potential in eastern Ruaha N. P. and Lunda-Mkwambi pilot Wildlife Management Area. It is difficult to put a dollar value on the lost potential, because tourism in RNP has actually increased during the last 11 years, but during this time, visitor satisfaction began to decline, perhaps in part due to crowding along the river drive during peak season. Because tourism in Ruaha is mostly concentrated within less than 10% of the park, future development will have to be spread out if Ruaha is to maintain its wilderness character.

Another wildlife-related cost can be seen in the Mtera Fishery, which has declined substantially with the shrinking of Mtera Reservoir. And reaching far beyond the ecosystem, are the costs of reduced hydroelectric production. DANIDA noted that Tanzania's electricity is the most expensive in East Africa which together with a lack of reliability, constitute major constraints to incountry industrial development.

As we work toward 'fixing' the Ruaha River, it is important to consider both the ecosystem services it provides (fisheries, hydropower, tourism potential) and its value to wildlife, not only depending on the River itself, but also on the Ihefu Swamp and wider Usangu Wetlands. How these complementary goals relate to each other is still unknown.

So, while our direction is clear—toward more water in the river—our destination, or exactly how much water is needed, remains a question.



some surface water remains throughout the dry season, particularly in the western (upstream) reaches of the river, none is flowing. But for other species the picture is more complex. Many water dependent species, like waterbuck and buffalo for example, must remain within about a kilometer of water. The area available for these species has declined by almost 60%, as is shown in the map. (It should be pointed out that this map shows areas within one km of water, not surface water, and as such, it over-represents the

fect of the 2 major hydrological disturbances, namely livestock grazing in Usangu Game Reserve and water abstraction upstream. Cattle grazing in particular has its own direct effects on wildlife. In 2003. WWF and WCS conducted an aerial survey of Usangu Game Reserve, which revealed that the Ihefu Swamp, once teeming with elephant, hippo, buffalo, topi, and tens of thousands of waterbirds, was virtually overrun with livestock. During that survey the ratio of livestock to wildlife counted was more than 150:1. In other

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FORS is a charity registered in 1984 with the Registrar of Societies, Tanzania under Charity Number 50 6394.

How to contact **FORS**

Anyone who would like to get in touch with FORS for information or other matters are welcome to contact any of the FORS Team at the postal or email addresses mentioned on this page.

Tanzania: National Bank of Commerce H/O Dar es Salaam NBC IBD SWIFT: **NLCBTZTX** Iringa Branch Irinaa. Tanzania Branch code: 851528 Friends Of Ruaha Society Account No. 028103002483

Overseas: The Ruaha Trust Coutts & Co. Duncannon Branch 4440 Strand London WC2R 0Q5

FORS Environmental Education Teachers Are Experts!

Follow-up visits to schools are an important part of FORS' Environmental Education Program. Recently, during one such visit we were delighted to be told by the Ward Education Officer that, "the Idodi teachers were experts at the Klerruu workshop in Nzihi!"

In January 2005, teachers from Ismani, Idodi and Pawaga districts took part in a workshop run by Klerruu Teachers' College, Iringa. The workshop focused primarily on par-

ticipatory teaching techniques. Teachers from Idodi were already familiar with the methods introduced as a direct result of their involvement with FORS' Environmental Education Program. From the start we have emphasized learner-centered constructivist methodologies such as roleplays, group discussion, projects and field work. Teachers working with the FORS program were thus able to help lead and en-

courage others as they explored these new ways of thinking about teaching and learning.

The teachers' confidence was enhanced as a result of this experience and they are very positive about their ongoing work with FORS' Environmental Education Program:

"No matter how busy we are, we always have time for FORS!"- Teacher from

'Congratulations to FORS who support and enable us to effectively teach environmental conservation for the benefit of us and future generations"-Teacher from Kitanewa.

Learning Lab at **M**sembe

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including insects, dung, feathers, tracks, seeds

- 7.A solar-powered computer/audio center
- 8. Activities that highlight the current urgent issues facing Ruaha, including that of the drying of the Great Ruaha River.
- 9. Field Guides We are in close collaborawith Charles Ngendo, RUNAPA'S Community Outreach Coordinator as we plan

for this project. We have current support in the form of expertise and research from environmental educators Val and Leslie Veirs from the United States (see article page 2) and the Wildlife Conservation Society's Rungwa/ Ruaha Project. In addition, we hope to have active input and participation from the Msembe teachers and students as we commence work on this project before the end of 2005. If you are interested in contributing to this exciting project please email

friendsofruaha@yahoo.com

UNDP Assessment Visit

went to Dar and met representatives from UNDP, Education Program. They proposal. \$50,000.

gram to Pawaga Division, heard! which is adjacent to Idodi

students are also living alongside this precious protected area it is the obvious In November 2004, Kate, next step in environmental Anna-Maria and Sarah education in the Ruaha ecosystem.

This May, two representawho showed great interest tives from UNDP came to in FORS' Environmental Iringa to talk through our Although Anna encouraged us to apply for and Sarah were out in the one of their small develop- field, Chris and Kate were in ment grants of up to town and had a long meeting with them to discuss FORS has submitted a every detail of our proposed proposal to bring the Envi- program. They seemed to be ronmental Education Pro- impressed with what they

In September, our pro-Division along the eastern posal will be presented to a border of Ruaha National steering committee who will Park. As these teachers and select projects for funding.

FORS Environmental Education Receives Generous Funding

Mrs. Ans de Winter and Mr. Harry Vlek from Holland made a recent trip to Ruaha National Park. They liked it so much that they are coming back later this year, this time in part to visit FORS' Environmental Education Program in Idodi that de Winter and Vlek are generously funding this year.

Ans and Harry are consultants who assist with purchasing for several textile and daily needs supermarket companies in Europe. The partners have started a network of offices in the countries where the products are sold (mostly developing Asian countries) which allows them to follow markets, follow-up on orders and help buyers in many ways. The work takes de Winter and Vlek, along with their buying teams, all over the world, including recent trips to China, Bangladesh, India, Pakistan, Philippines, Indonesia, Turkey, Syria, Vietnam and Sri Lanka.

During a recent tour, de Winter and Vlek visited Ruaha National Park. There they met Sue Stolberger and learned about Friends of Ruaha. Mr Vlek says that, "the combination of preservation of environment and assisting the local population in order to give them understanding, schooling and even jobs gave us the inspiration to support FORS. We will certainly come back very soon in order to see with our own eyes what is developing.'

The funding from Harry and Ans is providing support for this year's Environmental Education Program in Idodi, from teacher trips to the park, to FORS' ongoing teacher training and follow-up visits, to continued development of curricular activities and materials. It is this kind of generous support that allows FORS to continue assisting local teachers in their efforts to provide relevant environmental education to their students. FORS thanks Ans de Winter and Harry Vlek for this timely and generous funding.



Subscription Form

Friends Of Ruaha Society is a Non-Government Organisation registered in 1984 with the Registrar of Societies, Tanzania under Charity Number SO 6394 FORS, P.O. Box 692, Iringa, Tanzania email: FORS@iringanet.com, website: www.friendsofruaha.org

Tanzania:

National Bank of Commerce H/O Dar es Salaam NBC IBD SWIFT: NLCBTZTX Iringa Branch Iringa, Tanzania Branch code: 851528 Friends Of Ruaha Society Account No. 028103002483

Overseas:

The Ruaha Trust Coutts & Co. Duncannon Branch 4440 Strand London WC2R OQS Account No. 49773270 We welcome new and old members, the greater our membership the better our ability to achieve our aims and objectives.

Those who would like to become a member for the present year are requested to fill in this form and send to the address mentioned above or contact FORS by email!

Those with an account in Tanzania wishing to continue to subscribe by Standing order are requested to fill in the necessary form (each bank has its own) and ask their bank to pay their subscription or make an annual donation on their behalf on the 15th of January each year without further reference to them. Donations made in this fashion are tax deductible under Tanzanian law.

Membership fees	Student/Volunteer	Individual	Family	Corporate
Tanzanian citizen (Tsh)	2,000.00	10,000.00	24,000.00	200,000.00
Expatriate (Tsh)	12,000.00	20,000.00	50,000.00	200,000.00
Overseas (US\$)	24.00	40.00	100.00	400.00
Overseas (£ Sterling)	15.00	25.00	55.00	225.00

Cheques in Tsh. Should be made payable to FORS and sent to P.O.Box 692, Iringa Cheques in Dollars or Sterling should be made payable to the Ruaha Trust and sent to: Emma Forrester, 16 Fernwood, Albert Dr., London SW19 6LR, UK, emma@yseski.co.uk To avoid confusion, please let us know if you have made a payment to the bank!

Name:	to the bank!
Membership: (circle) New member or Membership renewal (circle) Tanzanian citizen or Expatriate or Overseas (circle) Student/volunteer or Individual or Family or Corporate	ε
Method of payment: Postal address:	
Email:	
Date: Signature:	