

ZAMB!AN

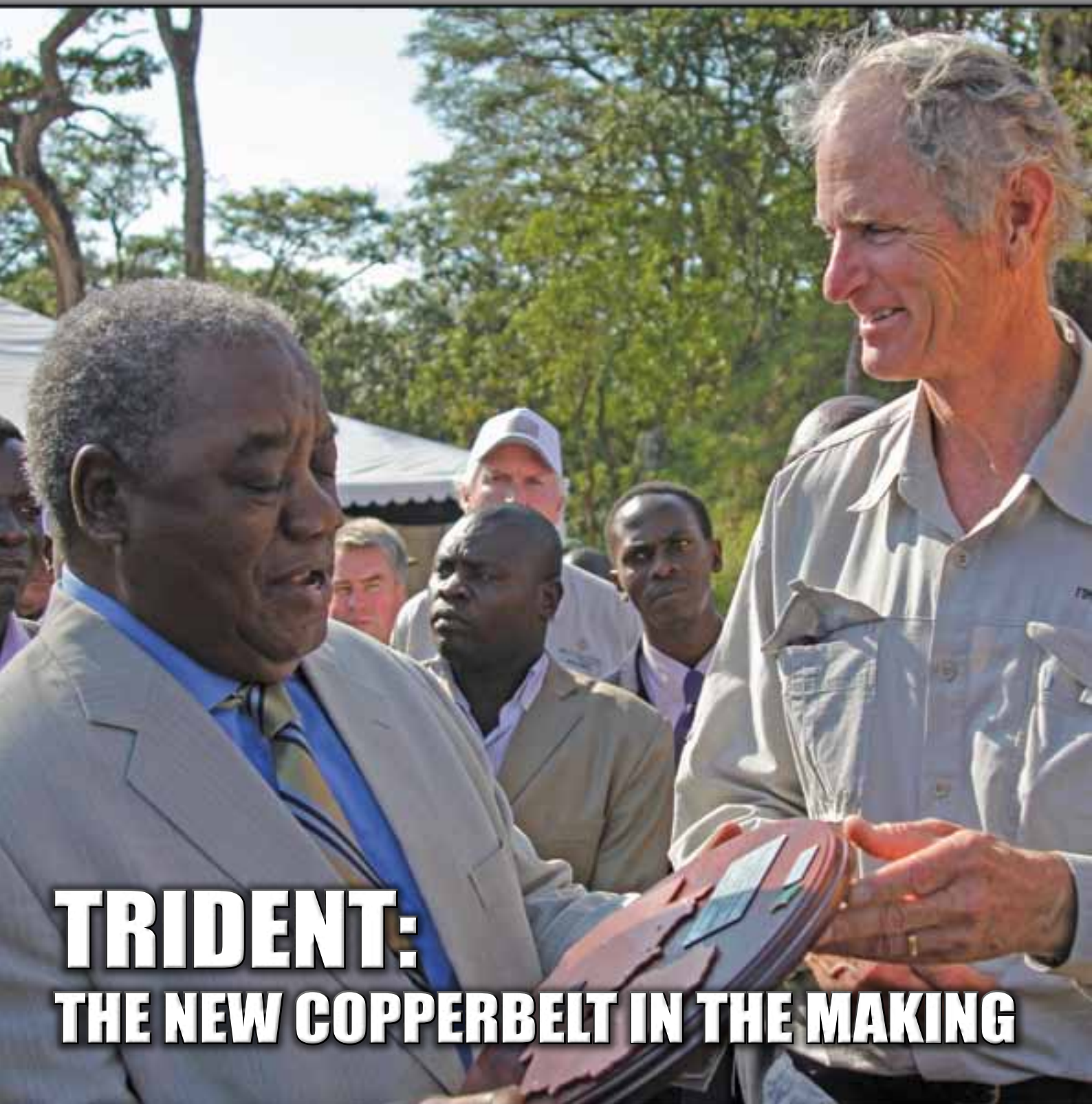
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FIRST QUANTUM
MINERALS LTD.

traveller



**TRIDENT:
THE NEW COPPERBELT IN THE MAKING**



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Maintaining Solwezi-Chingola Road

Building Schools

ZAMB!AN traveller

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Philip Pascall, CEO and Chairman of First Quantum presents President Rupiah Banda with a memento after the Zambian leader unveiled the commemorative plaque of the groundbreaking at Sentinel Mine.



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ZAMB!AN traveller

The *Zambian Traveller* is distributed to tourists, business and professional people within Zambia, surrounding states and from overseas. It is available on board domestic flights within Zambia and on international Zambezi Airlines flights. Presented to both business and tourist visitors to the Republic of Zambia through hotels, embassies, government departments, major companies, ZNTB offices in Lusaka, Pretoria, New York and London. Also distributed via tourist shops and outlets, travel agents and tour operators within the region. Free copies are supplied to advertisers for own circulation. Available on board Luxury coaches to and from Zambia.

Entry Requirements: Foreign Nationals require entry visas, which are available at the point of entry.

Vaccinations: Cholera and Yellow Fever. Anti-malaria precautions are highly recommended.

Foreign Currency: There are no restrictions on the importation of foreign currency into Zambia. The only requirement is that all cash and travellers cheques should be declared through customs at point of entry.

Capital: Lusaka

Driving: Left hand side of the road. Legal driving age is 18 years old. All foreigners and visitors are required to carry an international drivers licence.

Voltage: 240 volts (square pin plugs).

Weight and Measures: Metric system.

Time: Difference 2 hours ahead of GMT.

International dialling code: (+260), Lusaka 21 (0) 1, Ndola and the Copperbelt 21 (0) 2, Livingstone 21 (0) 3.

Airport Departure Tax: International US\$25, Internal US\$10 Security Tax; US\$3 domestic, US\$5 International

Population: Zambia has a population of approximately 9.9 million (est. 1997)

Official Language: English

Currency: Kwacha (ZMK)

Major Traditional Exports: Copper and cobalt.

Non-Traditional: Primary agricultural and horticultural products, gemstones, timber, electricity, cement and textiles.

Major Imports: Crude oil, chemicals and machinery, iron, steel and manufactured goods.

All Proflight Zambia Schedule Flights 15 June 2011 – 15 June 2012

Updated 22 March 2011

LUSAKA	Flight #		Mon	Tue	Wed	Thu	Fri	Sat	Sun
To Ndola	302	etd eta	7:00 8:00	7:00 8:00	7:00 8:00	7:00 8:00	7:00 8:00		
	300	etd eta	7:30 8:15	7:30 8:15	7:30 8:15	7:30 8:15	7:30 8:15	7:30 8:15	7:30 8:15
	308	etd eta	11:00 11:45	11:00 11:45	11:00 11:45	11:00 11:45	11:00 11:45	11:00 11:45	
	310	etd eta	13:15 14:00	13:15 14:00	13:15 14:00	13:15 14:00	13:15 14:00		13:15 14:00
	306	etd eta	16:00 16:45	16:00 16:45	16:00 16:45	16:00 16:45	16:00 16:45	16:00 16:45	
	304	etd eta	19:00 19:45	19:00 19:45	19:00 19:45	19:00 19:45	19:00 19:45	19:00 19:45	
To Solwezi	302/901*	etd eta	7:00 9:35	7:00 9:35	7:00 9:35	7:00 9:35	7:00 9:35		
	300/901*	etd eta	7:30 9:35	7:30 9:35	7:30 9:35	7:30 9:35	7:30 9:35		
	306/903*	etd eta	11:15 16:00	11:15 16:00	11:15 16:00	11:15 16:00	11:15 16:00		
	310/903*	etd eta	13:15 16:00	13:15 16:00	13:15 16:00	13:15 16:00	13:15 16:00		13:15 16:00
To Chipata	400	etd eta		7:45 9:05			7:45 9:05		
To Mansa	308/100*	etd eta			11:00 14:10				
To Kasama	308/102*	etd eta		11:00 13:15			11:00 13:15		
	306/200*	etd eta			11:00 13:10				
	302/202*	etd eta	7:00 10:00			7:00 10:00			
NDOLA	Flight #		Mon	Tue	Wed	Thu	Fri	Sat	Sun
To Lusaka	301	etd eta	6:30 7:15	6:30 7:15	6:30 7:15	6:30 7:15	6:30 7:15	6:30 7:15	
	313	etd eta	8:45 9:30	8:45 9:30	8:45 9:30	8:45 9:30	8:45 9:30	8:45 9:30	
	309	etd eta	11:30 12:15	11:30 12:15	11:30 12:15	11:30 12:15	11:30 12:15	11:30 12:15	
	307	etd eta	16:00 16:45	16:00 16:45	16:00 16:45	16:00 16:45	16:00 16:45	16:00 16:45	
	303	etd eta	17:15 18:00	17:15 18:00	17:15 18:00	17:15 18:00	17:15 18:00	17:15 18:00	
	305	etd eta	17:45 18:30	17:45 18:30	17:45 18:30	17:45 18:30	17:45 18:30	17:45 18:30	
To Solwezi	901	etd eta	8:35 9:35	8:35 9:35	8:35 9:35	8:35 9:35	8:35 9:35		
To Mansa	100*	etd eta			12:00 14:10				
	102	etd eta		12:30 13:15			12:30 13:15		
To Kasama	200	etd eta			12:00 13:10				
	202	etd eta	8:30 10:00			8:30 10:00			

SOLWEZI	Flight #		Mon	Tue	Wed	Thu	Fri	Sat	Sun
To Ndola	902	etd eta	9:50 10:50	9:50 10:50	9:50 10:50	9:50 10:50	9:50 10:50		
	904	etd eta	16:15 17:15	16:15 17:15	16:15 17:15	16:15 17:15	16:15 17:15	16:15 17:15	
To Lusaka	902/309*	etd eta	9:50 12:15	9:50 12:15	9:50 12:15	9:50 12:15	9:50 12:15		
	904/305*	etd eta	16:15 18:30	16:15 18:30	16:15 18:30	16:15 18:30	16:15 18:30	16:15 18:30	
KASAMA	Flight #		Mon	Tue	Wed	Thu	Fri	Sat	Sun
To Lusaka	201/303*	etd eta			13:30 18:00				
	203/303*	etd eta	14:00 17:00			14:00 17:00			
To Ndola	201*	etd eta			13:30 15:05				
	203	etd eta	14:00 15:30			14:00 15:30			
MANSA	Flight #		Mon	Tue	Wed	Thu	Fri	Sat	Sun
To Lusaka	101/303*	etd eta			14:30 18:00				
	103/305*	etd eta		13:45 18:30			13:45 18:30		
To Ndola	101	etd eta			14:30 15:05				
	103	etd eta		13:45 14:30			13:45 14:30		
CHIPATA	Flight #		Mon	Tue	Wed	Thu	Fri	Sat	Sun
To Lusaka	401*	etd eta		9:25 11:20	9:25 11:20		9:25 11:20		

* not direct

Key	
Easter Season :	01 April- 14 June 2011
Safari Season :	15 June- 15 November 2011
"	Via Ndola
"	Via Lusaka
No Fill	Specified flights operate in both seasons (16 Nov 2010- 31 Mar 11)
	Specified flights operate in Emerald Season only (10 Jan- 31 Mar 11)
	Specified flights operate in Christmas Season only (16 Nov 10-09 Jan 11)



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FIRST QUANTUM GROUNDBREAKING FOR ZMK5 TRILLION LARGE-SCALE MINING PROJECT, TRIDENT

In the idyllic setting of Kalumbila, in Senior Chief Musele's area, Solwezi, North Western Province, the new Copperbelt is in the making. The impressive turnout of people for the groundbreaking of First Quantum's Sentinel Mine left no one in doubt about the positive socio-economic influence this will have on the local communities and the rest of Zambia.

President Rupiah Banda who officiated at the groundbreaking ceremony hailed the planned development as a major stride to dent poverty through increased investment in the economy. The president who noted First Quantum's growth in Zambia, its positive influence in uplifting the welfare of Zambians and the mining company's status of being the largest taxpayer reiterated his government's commitment to continue on a path of making Zambia a preferred destination for capital investments by international investors.

Philip Pascall, CEO and Chairman reaffirmed First Quantum's long-term commitment to the Government and people of Zambia. He stressed that Sentinel Mine is expected to have positive impact on the Zambia's economy through the creation of more than 2,000 direct jobs and by stimulating large-scale infrastructure development in the region.

The First Quantum chief also announced that the company is exploring possibilities for listing shares on the Lusaka Stock Exchange in order to enhance Zambians' access to the benefits of the company's activities in the country



First Quantum showcased state-of-the-art mining equipment that will be used at Sentinel Mine when it is fully-operational.

First Quantum had announced in January 2011 an investment of more than ZMK5-Trillion (USD1-Billion) at Sentinel, the first of three potential mines at the Trident Project.

Pascall said: "This groundbreaking ceremony marks the beginning of putting the mortar and bricks in place for the Sentinel Mine that will contribute significantly to raise Zambia's position as a foreign capital investment hub, and augment the existing benefits for all Zambians from the resurgent mining industry."

"I am also pleased to announce that in an effort to allow ordinary Zambians to identify with and participate in the growth of First Quantum in Zambia. We are therefore investigating the mechanics of listing our company's shares on the Lusaka Stock Exchange."

Trident is the latest addition to First Quantum's operations in Zambia, where it co-owns Kansanshi Mine with ZCCM-IH. Through its wholly-owned subsidiary, Kalumbila Minerals, First Quantum has received the relevant large-scale mining licenses for development of Trident.

The initial annual throughput at Sentinel is estimated at 25 million metric tonnes of ore, which is expected to ramp up to a possible 50 million tonnes of ore to produce almost 300,000 tonnes of copper. In addition Enterprise and Intrepid hold promise of further expansions to Trident production.



Third from left, Kansanshi Mine General Manager Sean Whittome was among the First Quantum personnel who attended the groundbreaking of Sentinel Mine.

First Quantum is also planning a more than US\$550 million copper smelter at Solwezi which will employ a further 400 Zambians, to treat the concentrates from both Kansanshi Mine and Trident. Upon receipt of final project permits and environmental approvals, the major construction programme at Trident and the Solwezi smelter is expected to commence early next year with commercial production from Sentinel anticipated to commence in 2014.

Pascall said that ordinary Zambians were important stakeholders of the one of the world's largest copper producers, and stressed that the company will apply the same discipline, rigour and technology that was credited with bringing Kansanshi Mine into a tax-paying scenario years ahead of projections.

He said: "First Quantum has a proven record of fast-tracking projects with the telling example of Kansanshi Mine, where we reached a tax paying scenario within 16 months of operations, well ahead of the projected 6 years. Our competencies and capabilities will bear on the Sentinel Mine to accelerate the flow of socio-economic benefits through contributions to the national treasury and investment in corporate social responsibility that has already started here at Kalumbila in diverse sectors such as conservation farming, forestry management, human capital development and health."

The groundbreaking ceremony was witnessed by several cabinet ministers, deputy ministers, other senior government officials, traditional leaders led by Senior Chief Musele in whose area Trident is located, captains of industry, politicians across the political divide and hundreds of local residents.

The charming performance by renowned Zambian songstress Maureen Lilanda, the Zambia Police Brass

Band and local cultural groups added zest to the groundbreaking ceremony.

The receipt of the mining licences is a major step forward in First Quantum's plans to develop the Sentinel deposit on which it has conducted an extensive drill program since April 2010.

Trident lies approximately 140 kilometres west of the town of Solwezi and 150 kilometres from the Company's Kansanshi mine in North Western Province, Zambia. The prospect was acquired by First Quantum in January 2010 through the purchase of Kiwara PLC. □



Philip Pascall, CEO and Chairman of First Quantum presents President Rupiah Banda with a memento after the Zambian leader unveiled the commemorative plaque of the groundbreaking at Sentinel Mine.



Minister of Mines & Minerals Development Maxwell Mwale (fourth from left) with other dignitaries in front of the commemorative plaque of Sentinel Mine.



Senior Chief Musele welcomes President Banda at groundbreaking ceremony of Sentinel Mine

"We always endeavour to answer two critical questions as a way of focusing our corporate social responsibility programmes," says Philip Pascall, CEO and Chairman of First Quantum; "how are people faring in communities in which we operate, and are we making a positive and enduring difference by our presence?"

The groundbreaking ceremony of Sentinel Mine provided Pascall with an opportunity to report back on the undertakings he had made in the area of improving the welfare of Zambians at the time the mining company started its operations in Zambia.

He ticked in all the boxes – health, education, training and development, sport, arts and culture, infrastructure development and employee welfare. He also pledged to make similar undertakings to improve communities in the Trident area.

Pascall said: "We have a proven record of fast-tracking projects with the telling example of Kansanshi Mine where we reached a tax-paying status within 16 months of operations, way ahead of the projected six years. These competencies and capabilities already have a positive bearing through contributions to the national treasury and investment in corporate social responsibility in diverse sectors of the economy. ...by the time Sentinel Mine opens, I expect to make similar undertakings to improve communities in and around Trident."

He pointed to the early and sustained benefits and opportunities the local communities in the Trident area were already experiencing as a precursor to the expanded and positive socio-economic influence First Quantum would like to achieve.

Examples of early benefits and opportunities at Trident are:

- 593 direct and contractor employees, largely sourced from the local area, who are already working
- 40 local trainees from the immediate Trident area have already been enrolled in a traineeship program at Kansanshi Mine, to develop their skills ready for the potential future mine at Trident

• Five conservation farming plots have already been established at Trident in order to help provide the local community to improve farming techniques for higher crop yields.

In addition, First Quantum plans to establish significant training opportunities at the mine, including further apprenticeships, scholarships and graduate programs.

The company will also seek to establish a community development plan with government and stakeholders to optimise its CSR programmes at Trident.

Furthermore, First Quantum plans to assist employees with an affordable housing scheme, in order to unlock financial security and wealth creation for workers.

To ensure minimal degradation of the environment, First Quantum will apply for a Joint Forestry Management area to assist the conservation of flora and fauna in the area.

The scorecard of First Quantum's CSR track record in Zambia suggests that Sentinel Mine will augment the impact of the mining company in ensuring that the benefits and opportunities from the mineral wealth of the nation benefit all Zambians.

To highlight the copper producer's socio-economic influence in Zambia, the company at the beginning of the year set aside ZMK50 billion to undertake various CSR programmes. From 2006 to 2010 the company spent ZMK30 billion in diverse CSR campaigns.

Part of the disbursement in 2011 will go towards the five-year ZMK11 billion renovation and upgrade of Solwezi General Hospital, renovation of key rural health centres, monitoring health



Philip Pascall, CEO and Chairman of First Quantum

trends and workplace health sensitisation campaigns on HIV/AIDS, malaria and healthy life-style.

The company's health programmes extend to strengthening quality health care delivery by improving infrastructure by working with the existing district and provincial health management teams in Solwezi and Ndola.

The company has also sponsored medical health training for Zambians. The sponsorship includes advanced medical training for two Zambian eye specialists in Tanzania and Ghana and eight medical practitioners in emergency medical care, a GP receiving training in dermatology and another doctor training in family medicine.

In other sectors First Quantum is undertaking the upgrade of the Solwezi Airport to allow it operate international flights that require facilities to handle aircraft such as Boeing 737s. Completion that will see among other improvements a new runway of 2,700 meters in length with 300 meters overrun is scheduled for November 2011.

In addition to the airport works, First Quantum is solely undertaking the improvements of the Chingola/Solwezi Road which is the main access to North Western Province. The improvements have made the road far safer than it had been in the recent past.

Funding of ZMK500 million in education scholarships speaks to First Quantum's contribution to human resource development in Zambia. The company's scholarship programme began in May 2007 with 25 undergraduates and three post-graduates. Nine of the scholars have successfully graduated with 17 still studying. A further 15 Zambian graduates are currently on a 18 month graduate development programme.

Pascall pointed out that all the scholars on the program are offered employment at First Quantum upon successful completion.

Further testimony of First Quantum's commitment to develop human resource is evidenced by the support to Northern Technical College (NORTEC) in Ndola where 25 students are undergoing a diesel mechanic learnership programme.

In addition since 2010, 374 Kansanshi Mine employees completed short practical courses to upgrade their skills in engineering. Furthermore since 2010, Kansanshi mine has recorded 35,000 hours of training in basic safety and first aid.

In preparation for the Trident project, First Quantum has signed a multi-billion Kwacha partnership agreement with the Ministry of Science, Technology and Vocational Training (MSTVT). Under the agreement First Quantum is building a new technical training facility at the Solwezi Trades Training Institute. The facility, entirely funded by First Quantum, will provide 60 three-year apprenticeships

for students from North Western Province starting in November.

The facility will likely continue to expand, and it is projected that 180 students will be enrolled on the programme by 2013.

In partnership with Zambia's Technical Education, Vocational and Entrepreneurship Training Authority (TEVETA), the facility will be introducing an internationally recognised three-year modular apprenticeship programme, with apprentices employed by First Quantum and undertaking their work experience at Trident and Kansanshi.

Pascall said First Quantum has made the improvement of the welfare of Zambians as one of the cornerstones of its business because ordinary citizens were an important constituent of the copper producing company.

He expressed his desire to see that the further anticipated benefits from Trident start flowing immediately once all the approvals were received.

He reiterated: "We have proven our ability to develop projects in Zambia in a relatively short timeframe to the benefit of all stakeholders, and that same discipline will apply to the exciting new project at Trident." □



First Quantum is at the forefront of health education and mobilisation campaigns. The mining company was recently on a trail-blazer campaign in Senior Chief Musele's areas in Kalumbila, Solwezi, North Western Province.



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WHAT HAS A MINING COMPANY GOT TO DO WITH FASHION?



Kwelela Lamaswala

The world's first recognised fashion week was held in 1943 in New York because fashion insiders were unable to travel to Paris to see French fashion shows during World War II. More than seven decades later Zambia held its fourth annual Fashion Week with First Quantum, the global mining company as the major sponsor.

Now let's pause on this for just a moment. What has a mining company got to do with fashion?

First Quantum's Resident Director Kwelela Lamaswala who officiated at the just ended Zambia Fashion Week made a compelling and distinct connection between the company and the fashion industry in Zambia.

Kwelela said: "At First Quantum we are pre-occupied with ensuring that we maximise benefits and opportunities for people in communities in which we operate."

"Sponsoring the Zambia Fashion Week is a tangible way of providing trade and employment opportunities through diversified growth of the economy, including the fashion industry."

He also noted that in addition to providing employment opportunities for the designers, the

investment by First Quantum assumed greater significance by helping young people fulfil their dreams and aspirations.

"The designers are young, and this sponsorship enables young people to stand on their own feet. We also believe that we will be making as much impact as sports sponsorship does in getting young people gainfully engaged in rewarding and fulfilling activities that satisfy their dreams and aspirations."

The industry produces finished clothing products from both natural and manmade fibres such as cotton, silk, wool and others. The clothing is sold through channels such as retail shops, informal outlets and online. This offers potential to stimulate upstream and downstream markets.

Kwelela explained that First Quantum's sponsorship of the Zambia Fashion Week will contribute to building a robust local industry with sustained job creation and trade opportunities. This was a neat fit with the mining company's corporate social responsibility philosophy of building communities that outlast mining activities.

Sampling some of the designs, he commented that this year's show "sets the bar" to go forward. It is an opinion shared by fashion insiders.

Kwelela took the opportunity to highlight the extensive and diverse CSR programme by First Quantum.

"First Quantum's CSR programmes underscore the company's determination to maximise benefits and opportunities to communities in which it operates. Our CSR programmes cover sport, health, education, social welfare, farming, training, environmental protection, water and sanitation and infrastructure development."



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Ancient Construction Innovations in Zululand

By: George Irwin



The eastern end of the completed structure at Buhlebamangwe Primary School

The Umzinyathi District of KwaZulu-Natal is one of the poorest in South Africa. It is home to the battlefields of the Anglo-Zulu War and the opening engagement of the Second Anglo-Boer War. With near cultic regularity, tens of thousands of tourists flock to these famous sites each year. As they bounce, rattle and weave along the region's infamous dirt roads, eyes glued on the distant, iconic landmark of the mountain of Isandlwana, they will pass by one of the most unique structures in the southern hemisphere: a new classroom block at Buhlebamangwe Primary School.

The sight of a new classroom would not normally warrant much attention, particularly given the draw of the nearby battlefields. However, the new building at Buhlebamangwe is the largest rammed earth structure south of the equator.

Built by the David Rattray Foundation to replace collapsing government-built classrooms, the new rammed earth structure covers an area of 350 square metres. In itself this may not seem particularly remarkable, but when you consider that it was built using a mix of 80% locally dug soil, 15% building sand and 5% cement and that not a single piece of machinery was used, the importance of the example set by this structure begins to emerge.

The method of building rammed earth structures is not a new one, nor is it very complicated. A metal framework is produced in the shape of the structure's wall; in this case, the new building features long, curved walls. There is not a corner or straight line in sight.



The first section of the framework being laid on top of the foundations.



Construction of the first wall section under way at Mampunga Primary School.

The framework consists of twelve easily portable pieces which are bolted together over the normal concrete foundation. This creates a wall-width channel into which the mix of soil, sand and cement is poured. The mixture is then manually rammed and flattened using a flat-bottomed, weighted pole. As the walls progress, so the framework is moved along. The process is extremely labour intensive, which is why it is no longer a common building method in the economically developed world. In rural Zululand, this is what makes rammed earth construction so beneficial.

The David Rattray Foundation is an organisation which aims to improve the education of children in the area around the battlefields of the Anglo-Zulu War. The Foundation has built numerous classrooms, electrified schools and provided teacher-training. The idea of using the rammed earth construction method did not come about until 2008 when the then Chairman of the Foundation - Rob Taylor - met a specialist South African builder called Mike Beukes.

Beukes had already begun to research rammed earth construction and how it could be applied today when he was put in touch with the David Rattray Foundation. The benefits of the method to the non-profit world were immediately obvious. "It was a match made in heaven," said Beukes.

For a charitable organisation, cost is obviously a major consideration; a rammed earth structure costs roughly one third that of a similar-sized building constructed using modern methods.

The labour-intensive and unskilled nature of the method allows members of the local community to get involved in the project. This not only provides much-needed employment, but also gives the community a strong sense of ownership of the building, as well as a direct involvement in their children's education.

For many, it also means the opportunity to learn a new skill which they can teach to others and which they can use to help establish their own construction business. As a direct result of the employment of local labour at



The labour intensive 'ramming' produces a permanent and low-cost structure. The lines of ochre add some colour to the otherwise grey walls



The curved walls are culturally sensitive and create a more interesting learning environment.

Buhlebamangwe, six young men have gained formal diplomas in business and construction and have created their own business constructing rammed earth buildings throughout Zululand.

Living in a small hut rented from the local community, Beukes oversaw nearly every day of work on the new classroom. "At first, I was very hands-on and things progressed slowly, but once the guys and girls learnt the process, I was less and less involved. Eventually, I was completely redundant."

Beukes is now overseeing three separate building sites on behalf of the Foundation in the area around Isandlwana. Each site employs between twenty and thirty members of the community. In less than six months, Buhlebamangwe will no longer have the largest rammed earth structure in the southern hemisphere; that accolade will belong to Mampunga Primary School. □



The new rammed earth classroom block at Buhlebamangwe with the old building it is replacing in the background



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Answers on Page 52

GENERAL KNOWLEDGE QUIZ

1. Who was the Roman procurator who confirmed the sentence of death on Christ?
2. Which of the Beatles was the first to be widowed?
3. The Chinese city of Beijing was previously known as what?
4. Which book of the Old Testament is a collection of moral and ethical maxims?
5. Which South American Canal joins the Atlantic to the Pacific oceans?
6. The River Seine runs through which European capital city?
7. In 1993 which op artist changed his name to a symbol?
8. Andorra is at the foot of which mountains?
9. Which ethnic group popularized salsa dancing in New York in the 1980s?
10. Pokemon is an abbreviation of what?
11. Who had a 60s No 1 hit with Moody River?
12. What boxer answers to the nickname "Sweet Pea"?
13. What was the favorite food of the Teenage Mutant Ninja Turtles?
14. What type of animal was Babe in the film of the same name?

5							4	8
9			2		3			
		6		5		2		
	8		4		7		5	
		2				6		
	4		9		2		3	
		4		3		8		
			5		6			1
1	5							9

HOW TO PLAY SUDOKU

You have to fill in the missing numbers on the grid so that each horizontal row, vertical column and 3 x 3 square contains the numbers 1 to 9 without leaving out or repeating any number.

Solution on Page 52

CROSSWORD

Answers on Page 52

1		2		3			4		5
						6			
			7	8			9		
10	11		12			13			
14								15	
						16			
17		18		19		20			21
				22		23		24	
25						26		27	28
29					30			31	32
				33		34		35	
36								37	

ACROSS

- 1 Arena
- 4 Explosive device
- 6 Via
- 7 Plus
- 9 Large frog
- 10 Service station
- 13 Exist
- 14 Kettle warmer
- 17 Not so old
- 20 Part of a fork
- 22 Zulu warriors
- 24 Neon symbol
- 26 Either ..?
- 27 Consume
- 29 Warm or Skywalker
- 30 Speed?
- 32 As far as
- 34 Welsh saint
- 36 Underneath
- 37 Zero

DOWN

- 1 Operating doctor
- 2 Well informed
- 3 Idol
- 4 8 bits
- 5 Offering
- 8 Ding
- 11 .. Gore
- 12 Not PM
- 15 Male Bee
- 16 Gradually winding
- 18 Stumps & bails
- 19 Edge
- 21 Tidy
- 23 Hole in the skin
- 25 Blotch
- 28 Carry
- 31 Writing implement
- 33 Look!
- 35 Negative

Compiled by Sean Potter

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STAIRWAY TO HEAVEN

By Lee Brooks.

When the mercury starts to hit the 40's, when the air on the plains is as thick as an old blanket and even breathing requires some effort, it's time to head for the high-ground, the hills, or the mountains. Even on top of Npika, you might think it's a little stuffy and wish there was somewhere a little higher.... well, how about a trip up the Tianmen Hills?

If, like me, you think that driving amounts to no more than cruising along at 100+km/h, music oozing out of the radio, with one arm resting on the open window and the other idly moving the steering wheel a fraction...every couple of minutes... read on... this will wake you from your motor cruising reverie.

The Tianmen Mountains are in the northern Hunan Province of China, near the city of Dayong. To reach the summit you can drive up the Tongtian Highway (the Stairway to Heaven) which climbs at 25% and has 99 hairpin turns. At the top you have to get out of your vehicle and climb the Tianti Stairs (ladder to heaven) which has 999 steps. The Chinese say it is perhaps their way to reach heaven, "first scared to death by the road journey and then panting and out of breath from climbing the steps!" But it is all worthwhile when you inhale the pure, mountain air at the top. You will find there a collapsed cave that is now a natural stone arch, a beautiful temple and breathtaking views of the surrounding countryside.

Close to the summit is the Tianmen Cave, known as 'Gateway to Heaven'. It is a natural bridge/arch and is reportedly, the highest natural "arch" in the World.

Although it is an arch, the locals call it a cave. It was a cave until some centuries ago when a massive cliff face collapse, caused the rear cave wall to fall away, which changed the cave into an arch. At that time the mountain was called Songliang, which was then changed to Tianmen meaning "sacred". It is a UNESCO World Heritage Site.

The mountain lies only 10km from the city. The approach road skirts a big hill and then starts climbing and turning, and turning. The road rises 1,100m from an elevation of 200m to 1300m above sea level. It is one of the world's most difficult and demanding drives which calls for absolute attention, sharp eyes, precise judgement ...and nerves of steel.

The road construction started in 1998 and the building of the "highway" was finally completed in 2005, at a total cost of only US\$13.2 million. Thousands of building workers and labourers were employed on the project, as were some very resourceful architects, structural engineers, heavy plant drivers and very skilled crane operators who all worked closely together during the building. They dug deep foundations into the hillside, sunk and laid steel reinforcing rods and poured tonnes of concrete in before the stone workers began the mammoth task of layering the huge stone retaining walls. After that came the graders and tar-mac teams to lay the road surface.

The road rises steeply and follows the contours of the mountain. The 99 hair-pin bends are closely

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linked to each other and pile up in layers, to create a pattern of a winding, twisting flying dragon, climbing ever upwards to the skyline.

Inch by inch, through all seasons and weathers, the construction workers toiled their way up the mountain. The locals watched with fascination as the highway grew into ...the stairway to heaven. As you would expect from the Chinese, the construction of the highway was completed on time and under budget!

If your driving skills are "open to discussion" and you don't have steady nerves and a stout heart and if your legs are likely to give out on the 999 steps, don't worry, there is also another way to reach the summit. There is a cable car that starts from the city, glides silently across the open plain and up the mountain 7.5km rising in elevation to 1280 m reaching near the summit. It costs US\$38 for a round trip, but it is worth every cent for the stunning views and photo opportunities. It is one of the world's longest and most breathtaking cable-car rides. There are 98 cars, each carrying 8 adults and were designed to withstand earthquakes, they are also weatherproof, but you might not want to be on board during high winds or a storm!

Previously, the only way to the top of the mountain was on foot or on

motorbikes or small vehicles. The road twists and is quite bumpy and is not for the fainthearted, especially when there is snow, fog or ice, but the journey will remain with you forever. On clear days one view is through the 37 metre wide archway is of Zhangjiajie city; in the opposite direction there are stunning views of a country landscape. In late summer, the views are of the fields of waving golden corn and are quite spectacular.

At the top, Tianmen Cave is the natural phenomenon with the highest elevation in the world. Tianmen Cave runs south-north having a height of 131m, a width of 57m wide and 60m deep. Tianmen Shan is probably unique among the world's great arches in that its formation has been recorded in ancient manuscripts. Documents written in 263AD during China's "Three Kingdoms" period state that the opening was formed in one earth-shattering event when the back of a huge cave simply collapsed

and fell away. Tianmen Shan is also one of the very few natural arches in the world that has an exact age.

Whichever way you travel up the mountain, cable car or bus, you still have to climb the 999 upper stairs if you want to reach the bottom of the arch.

In recent times, Tianmen Shan has become the ultimate challenge for stunt pilots. The combination of the nearness of the Zhangjiajie airport, as well as the cave's large opening has proved too much of a challenge. In 1999, a group of stunt flyers flew their aircraft through Tianmen Cave for the very first time. It was a much publicised event and watched on Chinese TV by 800 million viewers. In 2006, the Russian Air Force Aerobatic Flight Show was held in



Zhangjiajie and many planes flew through the arch ...some in formation!

On the western side of the mountain summit stands the newly built Tianmen Temple with an area of 10,000 square meters, one of the world's highest temples. Before the new temple was constructed, there was a smaller temple in the same site where Buddhist Pilgrims have worshiped since the early Ming Dynasty 400 years ago.

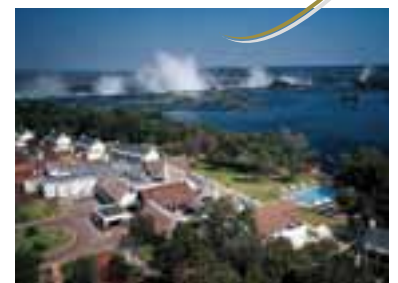
The photo opportunities here are endless and simply superb, cable car, the open Tianmen Cave and the Buddhist Temple ...but it is the road to the top of the mountain that continues to draw the tourists, a fabulous and fascinating highway ... a Chinese Dragon, built into the side of a mountain.

Drive carefully ...and watch those bends! ☐



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Small creations



The amazing "micro-artist" who creates miniature sculptures from pencil leads.

By Ray Mitchell.

Today's artists use many skills and materials to bring their works alive. From the traditional painted canvas to the abstract movement to the "modern" works of conceptual artists. Any creation today, on canvas, a sculpture or an image captured using any materials can be called art. Many traditional artists have used pencils to create beautiful works of work - but now there is an artist who produces spectacular masterpiece.... on the tip of a pencil.

Microscopic artist Dalton Ghetti uses stubs of pencils and spends months filing and carving the graphite core to produce minute, intricate carvings. Mr Ghetti, who works as a carpenter, has been working with pencils for about 25 years and his stunning sculptures include Elvis, the entire alphabet, linking chains and even an entire church which is just 10mm tall.

The King is lead: Elvis carved on pencil lead is just one of hundreds of Ghetti's creations.

49 year old Ghetti said, "At school I would carve a friend's name into the wood of a pencil and then give it to them as a present. Later, when I got into sculpture, I would make these huge pieces from like wood, but decided I wanted to challenge myself by trying to make things as small as possible. I experimented by sculpting



with different materials, such as sticks of chalk, but one day I had an "eureka" moment and decided to carve into the graphite of a pencil."

Dalton uses three basic tools to make his incredible creations - a razor blade, sewing needle and sculpting knife. He refuses to use a magnifying glass or any type of measuring device and reputedly has never sold any of his work, only given it away to friends.

He carved two pencils with different types of hearts carved in them "2B in love"!

He said: "I'm quite old fashioned, I hold the piece myself when I'm working on it and in good weather, I'll work outside. It's hard to explain but for me it's like a sort of meditation. I work alone with no music on in my studio and in a deep state of concentration, it's like I'm lost in a world of my own. I use the sewing needle to make holes or dig into the graphite. I scratch and create lines and turn the graphite around slowly in my hand. However, I don't have a favourite piece, I always say my favourite piece is the one I'm working on at the moment."

The longest Dalton has spent on one piece was two and half years on a pencil with interlinking chains. A standard figure will take several months. The inter-linking chains took the most effort and he was really pleased and because it's so intricate people think it must be two pencils.

When Mr Ghetti who is originally from Brazil now living in Connecticut USA first started, he would become frustrated when a piece would break before being finished after he had spent months working on it.

He said: "It would drive me mad when I would be just a bit too heavy handed and the pencil's tip would break."

"I would get very nervous sometimes, particularly when the piece was almost finished, and then I would make a mistake. I decided to change the way I thought about the work and when I started a new piece my attitude would be - well this will break eventually but let's see how far I get - that attitude helped me break less pencils, and although I still do break them, it's not as often. Normally I'll start a different piece, but there was a hammer I was sculpting and I broke it about five or six times and I couldn't rest until it was done."

His largest "collective piece" is the 26 letters of the alphabet which was painstakingly crafted.

"I never buy the pencils, my friends are always giving me them to sculpt or sometimes I use ones I find lying around."

He says that he has a box full of more than 100 sculptures that have broken while working on them that he affectionately calls "the cemetery collection" and added, "I have quite a few broken pieces so I decided to glue them on pins and into styrofoam for a display case. People might think it's weird I keep them but they're still interesting. I worked on them for months so they might be dead now but at one point I gave them life."

Mr Ghetti has made about 100 carvings, and is currently on an epic piece inspired by the September 11 attacks on the World Trade Center. He said: "After the September 11 attacks I was very upset and couldn't do much for a while. I decided to make a teardrop pencil carving for each of the 3,000 people who died in the attack. Since 2002 I have carved one every day, it takes me under an hour. When they're finished they will form one big tear drop. It will take me about 10 years but it will be worth it."

"I don't make any money from mini-carvings but that's not what it's about for me. However, I would love for a gallery owner in England to fly me over London to put on a show!"

Dalton Ghetti... mini-sculpture extraordinaire! □





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KCM'S EDUCATION SUPPORT IS SYMBOLIC OF SOCIO-ECONOMIC DEVELOPMENT

A myriad of Konkola Copper Mines (KCM's) programmes in the education sector, including the training of rare artisan skills, is helping to reshape the development of human capital within the company and in Zambia, senior officials say.

KCM, whose comprehensive education and training, and Corporate Social Responsibility (CSR) package focuses on empowering Zambians through various programmes, finances early childhood, primary and secondary education, and offers bursaries for tertiary education.

"The company's thrust is to raise its own numbers of qualified employees in various fields and to complement the country's plans to develop a cadre of skilled human resource within the mining sector, as Zambia positions itself to regain its place as one of the world's major copper producers," said Joshua Milinga, the KCM Manager – Learning and Development.

In order to keep a steady flow of critical staff to run its mines, KCM has this year sponsored 14 students to study in various engineering-related disciplines at a top Indian school, Vellore Institute of Technology. Three others were offered scholarships to study medicine at the Namibia University.

The scholarships offered to high achievers to study abroad are in addition to those previously awarded to 22 students at the University of Zambia (Unza) and 29 others at the Copperbelt University (CBU).

"In line with its policy, KCM in March awarded 12 more scholarships for local university study and more applications will be reviewed soon," Mr Milinga said.

"The KCM scholarships are not restricted to our employees and their dependants, but are open to the public. The objective is to ensure there is a continuous pipeline of skilled labour into KCM," Mr Milinga said.

Richard Phiri, one of the students sponsored by the company to study metallurgy at the University of Zambia was upbeat on prospects of working for KCM soon after he completes his study at the University of Zambia later this year, saying the employment offer he has received from the company will have multiple benefits.

GREATER EXPANSION FOR THE FUTURE

"I had a full government bursary when KCM picked the cream of students in our class and offered us scholarships. My government bursary was then terminated and passed on to another person. So as a result two people were trained within a short space of time instead of one person," Mr Phiri said.

"The other benefit of the scholarships is that I will soon begin to pay tax and my expertise will benefit both the company and the country as we pursue development," he said.

KCM's plans stretch beyond sponsorship of students in foreign universities. The company plans to improve standards at the Kitwe Trades School (KTS), where 220 employees have been placed to study in various artisan skills in an effort to match the company's growth targets.



Pupils and a teacher at Nchanga Trust School in Chingola conduct a Chemistry experiment in a laboratory

"This is the biggest ever single sponsorship and it should support the company's growth plans and clearly define employee's career path," Mr Milinga said. Of the total number of students at KTS, 166 are in residence and the rest at KCM on industrial attachment to garner vital experience in their new areas of career development.

The training of artisans in critical skills such as metal fabrication, rigging, instrumentation, welding, plant fitting and auto electrical has prompted other mining companies to plan to adopt the KCM model. "Some companies have since requested KCM to train their staff at KTS," Mr Milinga added.

Similarly, to meet the company's expanded sponsorship for tertiary education, KCM Trust Schools have embarked on a programme to upgrade the qualifications of teachers, with those previously holding diplomas placed on programmes to upgrade to degree qualifications.

KCM Trust Schools Principal Ernest Makasa remarked that encouraging teachers to upgrade their qualifications and expanding infrastructure at the Trust Schools was critical to the growth of the education sector. The company has since financed the building of 15 extra classroom blocks and libraries at Nchanga and Konkola Trust Schools. The expansion at Nchanga will enable the school to introduce A-levels in September this year.



Another group of pupils conduct a physics experiment at Nchanga Trust Secondary School

IMPROVING THE SCHOOL CURRICULUM

The A-levels programme, which will commence with the introduction of Chemistry, Physics, Mathematics, Biology as the main subjects and English and Information Technology as additional subjects, will ease entry into prestigious foreign universities in Europe and India for Zambian students and also shorten the period of time they study in those universities as they will act as bridging courses.

"We hope to take in 25 students for A-levels for a start," said Mr Makasa. "We are looking for candidates with 6-10 points at grade 12 for entry into the A-levels programme." The first examinations for the A-levels are planned for June 2013.

The Manager for Corporate Social Responsibility Sampa Chitah said that KCM has gone beyond just providing education support by ensuring it meets other needs for teachers and students, like clean water and sanitation in the government run schools in order to facilitate a good learning atmosphere.

"To help improve the school curriculum and the quality of education in government run schools, KCM has provided 300 computers to 19 schools since 2008 and trained 38 teachers in computer literacy programmes," Ms Chitah said. The company has also constructed 70 toilets and 7 boreholes to improve sanitation and hygiene in some of the schools.

She said KCM would build three extra classroom blocks and three laboratories at Nampundwe High School, where it previously constructed six classroom blocks. Separately, KCM plans to build three classroom blocks at Shimulala Basic School on the outskirts of Chingola. At this school, the company has already put up water and sanitary facilities.

COMPLEMENTING GOVERNMENT'S EFFORTS

In a mark of empowerment to especially less-privileged families, KCM has in the past two years placed 48 pupils who passed their grade 7 and 9 examinations at some government schools in Chingola, Kitwe, Nampundwe and Chililabombwe on full bursaries through the scholastic excellence awards. "This is intended to raise competition among students in examination classes," Ms Chitah said.

To encourage a reading culture among Zambians, KCM plans to open a research conferencing library in Chingola, which is intended to cater for various learning disciplines. The company has previously provided books and computers to the library.

Copperbelt Permanent Secretary Villie Lombanya attests to KCM's initiatives, which complement the government's development efforts in a positive and big way, saying "I am a witness to the company's drive on one of the most successful CSR programmes."

"The support rendered by KCM shows clearly that the company has a heart to give back to Zambians part of its profits. This is extremely good and important because the



Hendrik Mwansa, one of KCM-sponsored students at CBU, in a laboratory during an experiment

Zambia people are custodians of the natural resources being mined by the company," Mr Lombanya said.

Mr Lombanya commented that the success of the mining industry squarely rested on a vibrant skilled manpower training programme and touted the KCM model the flagship of a successful public private partnerships (PPPs), fitting into Zambia long term social economic development goals, and ensuring a good return on all investments. □



School children at Fikolongo School draw water from a borehole, one of many that KCM has provided at several government schools to ensure quality water and sanitation facilities for teachers and pupils, especially those in peri-urban locations.

THE ISLE OF MAN



OUT OF THE CELTIC TWILIGHT AND INTO THE 21ST CENTURY

By: Kate Nivison

Historic Castletown, near Ronaldsway Airport.

The Isle of Man was planted firmly by its founding Celtic god, Manannan, into the Irish Sea to keep an eye on England, Scotland, Ireland and Wales, or so the legend goes. It has always been a good place for the game of word associations. Try dropping 'Isle of Man' or 'Manxman' into a conversation, and out it all comes – Manx cats (the ones with no tails), kippers (world's best smoked herrings), the world's oldest parliament (the Tynwald – thank you, Vikings), and TT racing if you're a motorcycle enthusiast.

On landing at Ronaldsway Airport or at the Douglas Sea Terminal, there's always someone cracking the old joke about putting your watch back 50 years. But these days, nobody's fooled. The Isle of Man is anything but a sleepy backwater with little on offer but plenty of bracing fresh air, wild sea coasts, misty mountains, Celtic whimsy and great seafood. Thanks to its tax haven status, it's become a buzzing financial centre in its own right, and the Isle of Man government (independent from the UK) has used the extra income wisely to regenerate all manner of local services, from transport and job creation to health care and education.

It's perfectly true, of course that from the top of the Island's highest mountain, Snaefell, 2034 ft/620 m on a clear day there are wonderful views of the 'Six Kingdoms', those being England (the Lake District), Wales

(Snowdonia), Scotland (the Mull of Galloway), Ireland (the Mourne Mountains), the ancient Kingdom of Mann itself (Queen Elizabeth is actually only the Lord of Mann), and not forgetting the Kingdom of Heaven. Some say it's actually seven if you include the Kingdom of the Sea. Anyone who's fairly fit can conquer Snaefell in a pair of old trainers, but for those who'd prefer to spare their breath-taking for the views along the way, there's also a mountain railway to the top. For many visitors, and all true Manxmen, it's the gorgeous scenery, reminiscent of those other mountain-and-moorland National Parks, that is the Island's crowning glory.

For others, and especially those with kids, it's the eccentric choices of transport that come high on the list of attractions. Apart from the Snaefell Mountain Railway (opened 1895), there are two narrow-gauge steam railways, the Isle of Man Steam Railway (1870) which puffs along the scenic route from Douglas to Port Erin and the Groudle Glen Railway (1896), through one of the Island's prettiest wooded valleys. Other firm favourites are the horse-drawn trams on Douglas Promenade, pony-trekking into the countryside and donkey rides on various beaches. Unsurprisingly, devoted 'bikers' from all over the world tend to bring their own gleaming transport machines with them on the ferries from Liverpool or Heysham. Motorbike-spotting is an even more popular hobby here than bird-watching.

Also rapidly catching on is Hollywood-star spotting. Peter Fonda on Douglas Prom? Jack Palance sighted in Peel? And Kathleen Turner on Santon railway station? It's enough to make anyone wonder about the fabled strength of Manx Ales. But again, it's all true. The locals have always been a bit blasé about big-name appearances on the Island – George Formby, Gracie Fields, Norman Wisdom, Ken Dodd . . . Even the Rolling Stones came here once, and it was Sean Connery in his early Bond days who flew in to open the Casino. But clearly, when Hollywood stars like Peter Fonda and Kathleen Turner show up, something different is in the air.

Not for them a season at the Gaiety Theatre or the Villa Marina on the Prom. Since 1995, the Isle of Man Film Commission has been busy turning the Island's best assets into a moviemaker's paradise. After all, why not capitalise on all that wonderful scenery, from towering cliffs and wild moorland to unspoilt coves, quiet glens and Celtic rural charm. If it's castles that are needed, there are two, and enough Victoriana and Edwardian art deco on Douglas Prom alone to keep the bustles-and-bonnets brigade in business for years. While the rest of the British Isles got rid of its steam engines and horse trams in the rush to modernise, the Island simply hung on and polished them up a bit, and now it is really paying off. The financial inducements help, of course. Scores of feature films have been shot here, including 'Thomas and the Magic Railroad', based on the ever-popular 'Thomas

the Tank Engine' children's books. It was this one that starred Peter Fonda, whose favoured form of locomotion was once that sexy, low-slung Harley-Davidson in the 1960's classic, 'Easy Rider'. Maybe that's another reason to endear him to the home of TT racing.

The Island can do 'cute Irish/Welsh/Scottish crofters' village' very well, especially at Cregneash, which is now under the National Folk Museum. Still partly inhabited, it was one of the last places where native speakers of the ancient Manx language could be found. Also worth seeing is a flock of rare four-horned Loghtan sheep whose ancestors came over with the Vikings, and the cream teas, fresh crab baps, Manx honey and homemade fudge are delicious.

Restoring old properties, from slate-built cottages and farmhouses to Victorian and Edwardian villas, is also something of a local tradition – and these days, a lucrative one. Standards are high and prices for homes with real character are often on a par for similar on the mainland, although there are still some relative bargains to be had in older property, especially outside the Douglas area.

Hundreds of Manx Americans, Australians and South Africans who come over each year in search of their roots appreciate the good parish records facilities, and the many atmospheric old churchyards where their ancestors lie. Some even stay on. South Africans in particular have



Peel harbour, on the west coast, home of world famous Manx kippers (oak-smoked herrings).



Photogenic Victorian steam train station in Douglas, the capital.

rediscovered the Isle of Man of late, and not entirely because of any Manx forebears they might have had who emigrated to other mining areas when lead mining collapsed at the turn of the 20th century. One iconic symbol of this time is the world's largest waterwheel, named the Lady Isabella. This marvel of Victorian engineering was used to pump out the Laxey lead mine, and still goes through its paces today.

One well-known returnee was Joe (Joseph) Mylchreest (1837-1896), the son of a Peel herring fisherman who, after many adventures on several continents, was able to sell a diamond concession he'd acquired near Kimberley to his great friend, Cecil Rhodes, the chairman of De Beers, for a considerable fortune. He returned to the Island in the 1880's and was ever-after known as the 'Diamond King', as much for his public works and generosity to the poor as for the glittering symbol of his new-found wealth that was always on his finger.

When not just the mines, but the fishing and farming industries also collapsed, the Isle of Man reinvented itself as a 'cheap and cheerful' holiday resort for the factory workers of Northern England, Scotland and Northern Ireland, but then lost out to cheap air travel and the call of the sunny Costas after World War II. The numbers of tall Victorian hotels and boarding houses recall this time, although many have now been converted into pleasant apartments with fine views of the two-mile sweep of Douglas Bay.

Drastic action was needed to revive the Island's fortunes, and it came in the form of a change in its financial arrangements with the UK. It is now noted for its off-shore financial services sector, with much improved security against money-laundering, and as a tax haven for companies, wealthy residents and local people alike who all benefit from its favourable tax regime. The basic rate of income tax is only 10% compared to 20% in the UK, while the top rate is 20% against 40% in the UK. There is no inheritance tax, or capital gains tax, which means that any number of properties owned by residents and also shares can be sold without tax on the profits. VAT is the same as the UK, however, some goods and services can be more expensive because of transport costs.

Before the current financial turn-down, the Isle of Man's economic growth rate was a very healthy 6% a year. Like other areas heavily dependent on financial services, this has taken a hit, but at 2.5% a year at present, it is still doing better than the UK. One thing the Island's 72,000 residents seem to agree on is that the quality of life here is what really counts. Among this number are around 3,000 South Africans living and working on the Island, and they even have their own website for meet-ups and general support. The weather may be more 'Celtic' than 'Durban', but there's lots of scope for the good life in the peaceful, friendly and forward-looking Isle of Man. □

ILLUSTRATIONS all © Kate Nivison



A typical Manx-style house in Molly Quirks' Glen near Douglas.



Laxey Wheel, the biggest mine pump waterwheel in the world.

MEET ZAMBIA'S 80 YEAR OLD ARTIST

By Roy Kausa



Cynthia Zukas

Women tilling the land, stranded refugee children in tatters under the shade of a tree and a woman carrying a heavy load of fire wood on her head are common themes in the paintings and prints by Cynthia Zukas.

This prolific artist arrived in Zambia with her husband Simon Zukas from England in 1965, barely a year after Zambia's independence in 1964. Since arriving in Zambia Cynthia has participated in many art workshops and exhibitions in Zambia and abroad.

In her captivating works Cynthia Zukas brings forward the problems facing Zambian women and children, although at times she paints subjects such as paw paw fruit and the study of leaves. She also creates artwork in water colour or in pencil.

Since she arrived in this country 47 years ago Cynthia has been inspired by the bright colours, the sub-tropical plants and the people with their different ways of life which she depicts in her work. Despite her busy schedule, as an arts administrator and committee member of many arts organisations, Cynthia Zukas still finds time to paint and draw.

"I made up my mind to make a contribution to the development of the then new country when we arrived in Zambia in 1965. It was my new home and the way I felt best equipped was through my knowledge of art. At that time there was no art colleges or galleries in Lusaka and nothing really to talk about in art. Fortunately just after we arrived I was introduced to the Lusaka Art Society where I attended a meeting and was made secretary," recalls Cynthia Zukas.



"women waiting for saladi (cooking oil) during the one party state in Zambia, during the Kaunda regime -oil on canvas"

In 1986 Cynthia Zukas, Henry Tayali and Bente Lorenz founded the Lechwe Trust, a non-profit making arts organisation to foster the development of the visual arts in Zambia. Since its formation Lechwe Trust has sponsored some of the most outstanding art students to further their art education in Zambia and overseas.

The Lechwe Trust at the moment has one of the most comprehensive art collections in Zambia ranging from ceramics, paintings, prints and sculptures by some of this country's most prominent artists. The Lechwe Trust art collection now comprises of about 250 works kept under lock and key in a 40 foot metal container due to the none availability of a gallery to house it in. Fortunately for the Lechwe Trust it has just acquired a piece of land along Lagos road in Lusaka, big enough to build a gallery, storerooms and sculptural gardens. The Lechwe Trust of which Cynthia Zukas is the chairperson is at the moment looking for funds to build the new art gallery and therefore appeals to the well wishers to fund this noble project.

One may ask: Who is Cynthia Zukas? Cynthia Sarah Zukas was born in Cape Town on 19th February 1931 where she went to school and got involved in politics at an early age while studying at the Michealis School of Art at Cape Town University, .

"Going to a mixed race university with a small number of black students was a real eye opener for me! I was rudely awakened to the terrible inequality and brutality of the Apartheid and Racism in South Africa at that time and was quickly swept into the exciting world of student politics. This was detrimental to my art studies and I had to repeat a year before I got my degree", says Cynthia.

In 1951 the then young artist got into trouble with the police when she campaigned for the National Congress of South Africa during the Defiance Campaign. Her family were very worried about Cynthia getting into further trouble and sent her to England to do a one year art teacher's course.

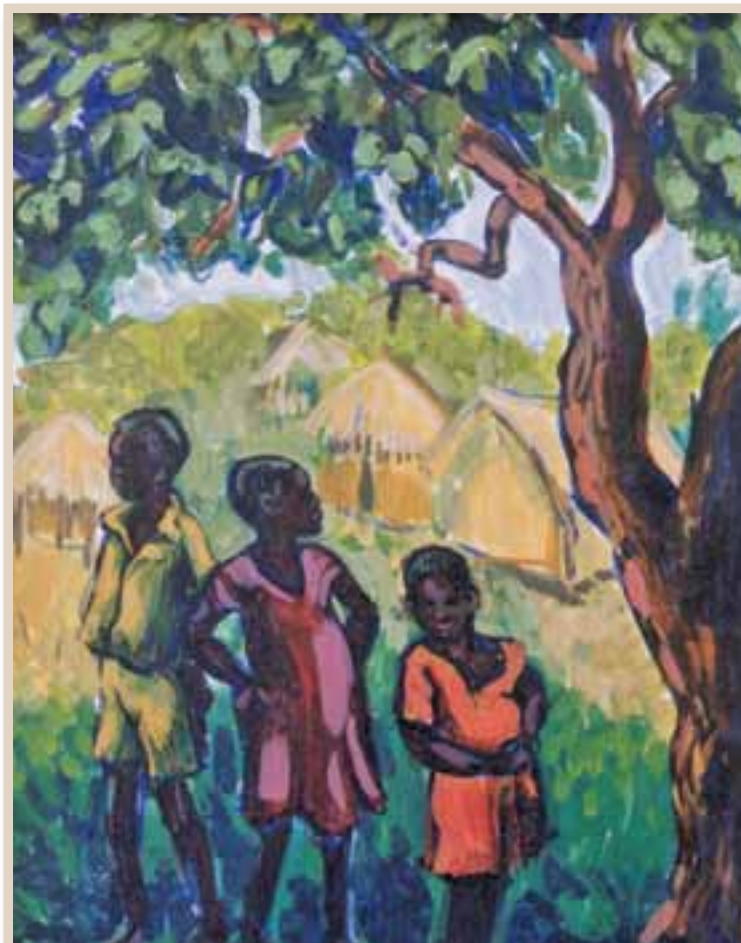


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"The chores of Zambian women"- Etching

Cynthia's one year stint in England gave her a new opportunity to travel and study overseas. She was excited to see the great artworks by some of the British masters about whom she had only read in books in her native South Africa for the first time in her art career. Soon after Cynthia arrived in London in February 1953 where she met Simon Zukas.

"Simon and I had a lot in common and we worked together on various committees such as the movement for Colonial Freedom and anti-apartheid movements. We fell in love and got married in January 1954. I settled down to become a full time house wife and mother. Our two children were born in 1955 and 1957 respectively".

Cynthia also remembers when the United Nation Independence Party (UNIP) set up an office in London and her husband Simon became a member. It was during this period that she got to meet with many Northern Rhodesians (now Zambians) coming to London and by the time Cynthia and Simon moved to Zambia she had already met Kenneth Kaunda and his wife Betty, Simon Kapwepwe, Mainza Chona, Vernon Mwaanga and many other politicians from this country.

In 1965 Cynthia and her husband arrived in Zambia after living in London for 11 years. The then young artist was thrilled to be back in Africa and she was quickly inspired by the bright colours, the light, the sub-tropical plants, the people and their different ways of life. It was at that point that Cynthia made up her mind to start painting on canvas depicting scenes of the everyday life in Lusaka.

"I remember one day as I sat in front of my easel drawing banana trees when all of a sudden I was surrounded by a mob of men from the United Nation Independence Party youth branch, they wanted to arrest me because they thought that I was a spy. Immediately when they saw what I was drawing they all started laughing and left me in peace." she said.

Cynthia Zukas recently invited her fellow artists to celebrate her 80th birthday at Ndeke Hotel in Lusaka, where she encouraged other artists to work hard. "There are two things which I do in life, work hard and when an opportunity to go for a holiday comes enjoy it to the fullest". she said. Cynthia Zukas this year received the Julia Chikamoneka Award by Post Newspaper, Press Freedom Committee because of her commitment, hard work and her role in the development of the visual arts in Zambia.

In her more than 40 years 'TOUR OF DUTY' as an active practicing artist Cynthia Zukas exhibited her paintings and prints in many countries, however she says politics became a very important part of her life and she enjoys it to blended it with art. □



"Luangwa Refugee children"-oil on canvas

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BRIDGE TO BRIDGE

By Humphrey Nkonde

When it comes to tourist attractions in Zambia's capital Livingstone, Victoria Falls, one of the seven natural wonders of the world, counts number one. On a recent tour of Livingstone, I turned my attention to the nearby Victoria Falls Bridge. In fact, I started my journey from there by first viewing this structure on horse back from the nearby falls before proceeding to the 320-metre Levy Mwanawasa Bridge across the Luapula River.

David Livingstone, Scottish explorer, medical doctor, philanthropist and missionary, named the falls after Victoria, the then Queen of England. At the time David Livingstone viewed the falls on November 17 1855 the Batoka Gorge, through which the Zambezi River flows, had not yet been bridged. This giant river flows slightly over 100 meters below the 200-metre long Victoria Falls Bridge. It is from that bridge that some

of the longest bungee jumps in the world take place.

My first reaction after a tourist jumped into the void below the bridge was to zoom in my digital camera to enlarge the shot. From the view on top of the bridge, the tourist was reduced to the size of a rat. Apart from bungee jumpers, other photo opportunities that one has from the Victoria Falls Bridge is the spectacular falls and the Knife-Edge Bridge. It was British imperialist Cecil John Rhodes' intention that train and motor vehicle passengers should be afforded the opportunity to view the cascading water as they crossed the Victoria Falls Bridge, there are so many other ways in which the gorge could have been bridged. Victoria Falls Bridge, jointly owned by the national railways of Zambia and Zimbabwe, was designed by Sir Ralph Freeman.

The metallic pieces of the bridge were made in England and some would not fit when it was being

assembled because they expanded under the African heat. Coolness of night allowed contraction of the metals and finally they were fitted on the bridge to the night of March 31 and the early morning hours of April 1, 1905. It has been reported in journals that Africans were pessimistic about the structure, which they said would crash into the gorge once it was erected. They must have been surprised to see a locomotive engine pass over it.

It was officially opened in 1905 by Francis Darwin, the son of the famous biologist Charles Darwin and it is one of the most photographed structures in Africa. When you photograph it from the Knife Edge Bridge, it shows a downward tilt into Zambia. From there, you can see its arched metals embedded into the lips of the gorge. Some compositions can incorporate the flowing water in the Zambezi River or motor vehicles passing over the bridge. However, having a composition in which a locomotive train is passing over the bridge requires planning and good timing.

You need to get permission from the immigration office to get to the Victoria Falls Bridge if you are on the Zambian side because its southern end is in Zimbabwe. It is the same when you are on the Zimbabwean side. I went on the Zimbabwean side to have a downward view of the bridge. I could tell that photographers of the old black-and-white pictures of horse riders crossing the bridge, stocked by the Livingstone Museum, were taken from the Zimbabwean side, which offers a downward view.

Before the Victoria Falls Bridge was constructed, the major transport route into what is now known as Zambia was through the Great Lakes region comprising lakes Mweru, Mweru wa Ntipa and Tanganyika. As a result of the importance of that region, one of the first British establishments was at Chiengi on the shores of Lake Mweru. Earlier the Afro-Arab trader from Zanzibar Tippu Tip, who invaded Chief Nsama of Kaputa district in 1867 and confiscated salt, came in through that route.

The British had the interest of developing a transport route to South African ports through what are now known as Zimbabwe and Botswana because these were their colonies. During the Federation of the Rhodesias (Zambia and Zimbabwe) and Nyasaland (Malawi) that lasted between 1953 and 1963, the headquarters were in Salisbury (now Harare).

Another transport corridor to the Atlantic Ocean through Tanzania, formerly German East Africa, was in the hands of the Germans after the Partition of African in Berlin in 1888. The British had foresight in the sense that during World War II, when there was aggression between Britain and Germany, a warship was placed by the Germans on Lake Tanganyika, which is now used in civil transport.

As a result of the Britain's interest in the transport corridor to South African ports through Zimbabwe and Botswana, transport infrastructure development in the Northern part of Zambia was neglected. Copper,



Mwanawasa Bridge

Zambia's major foreign exchange earner, crossed the Victoria Falls Bridge to South African ports before it was exported to markets in Europe and the United States of America. Up to 2008, when Zambia's fourth President Rupiah Banda commissioned the Levy Mwanawasa Bridge across the Luapula River at Chembe, a diesel-driven pontoon was used across the river which forms part of the boundary between Zambia and the Democratic Republic of Congo (DRC). The Levy Mwanawasa Bridge's ends are in Zambia and the DRC, like the Victoria Falls Bridge whose ends are also in two different countries.

To get to the Levy Mwanawasa Bridge, I passed through the Congo Pedicle, a strip of land in the DRC that has forked into Zambia's Copperbelt. The



Bungee jumping



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bridge has been named after Zambia's third President who died during August 2008. On my earlier visits to Luapula, I used the rickety pontoon that operated between 06.00 and 18.00 hours. In those days, people from the Copperbelt would be stranded in the Congo Pedicle if they arrived at the pontoon after 18.00 hours. Although the Pedicle Road is in the DRC, it is mostly used by Zambians as a shorter route between the Copperbelt and Luapula compared to the one through Central Province that passes over the Chinese constructed three-kilometer Tuta Bridge.

The Levy Mwanawasa Bridge was equally constructed by the Chinese and has opened up Luapula to investments, especially mining. One of the major resources in Mansa, the headquarters of Luapula Province, is manganese. I could see this base metal on the surface in the yard of the guest house where I stayed. Actually, some of the houses in Mansa have been constructed on underground deposits of manganese. This metal will find its way to the multi-million Multi Facility Economic Zone (MFEZ) the Chinese have constructed in Chambishi on the Copperbelt. What remains to be done by the Zambian government is to negotiate with the DRC to get the Pedicle Road tarred.

If you have never seen mud houses thatched with grass, the place to be is the Congo Pedicle. The area along that road has no urban trappings such as Internet facilities, restaurants, piped water, proper mobile

phone reception, garages and modern buildings save for the customs office at Mokabo Border Post. Despite high poverty levels and underdevelopment in that area, it is rich in history and copper deposits. King Leopold of Belgium wanted it to be part of Congo Belgium while Cecil Rhodes, who was eyeing mineral deposits as the railway from South Africa was being constructed, wanted it to be part of Rhodesia. But during the hearing of Anglo-Belgian Boundary Commission of 1933, a railway line from Congo Belgium had already reached Mokambo near the present day mining town of Mufulira in Zambia. It was also agreed that the water upland in the Luapula River needed to be shared, so the Pedicle was placed under Congo Belgium, the reason it is part of the DRC.

One other aspect that can change in Luapula is tourism. Resorts, the type found in Livingstone, can be constructed in Luapula, after all the second largest falls in Zambia after the Victoria Falls, Lumangwe, is in that province. To show the tourism potential of this region, I will end with what the Zambian writer Yusuf Dodia once said about Samfya, which is near the Levy Mwanawasa Bridge: "The beach (in Samfya) is the envy of the province. The white sand and the vast size of Lake Bangweulu remind the visitor of exotic far-off places like Zanzibar, Hawaii and Bermuda... This untouched and unspoiled natural beauty is just waiting to be discovered by tourists from within Zambia and beyond our borders. A paradise of tourism options challenges any investor or visitor to Samfya." □



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Birds of Zambia



The Barn Owl

The Barn Owl (*Tyto alba*) has almost worldwide distribution and is found on all the continents and even some of the oceanic islands. It is found throughout Southern Africa in any woodland or dry grassland where there are roosting and nesting sites. As its name suggests the Barn Owl is also found near human habitation, a favourite place being a chimney and you will know when he is in residence as pellets appear in the fireplace! Old mine shafts, sink holes and rocky outcrops in fields also provide a place to nest which encourage owls to take up residence.

Barn Owls are recognised by their heart-shaped facial disc and their tawny/grey coloured feathers. In flight the under-wing is white so it appears ghostly white from below, which may be the reason that owls are connected to so many superstitions. The only other owl that closely resembles the Barn Owl is the Grass Owl, but he is bigger and darker and lives in the long grass on dambos and these two species seldom overlap.

Barn Owls have a variety of calls ranging from a drawn out shriek to a snoring or hissing sound. They can be quite vocal and usually give a screech when they set off from their nests at dusk to hunt. They are almost entirely nocturnal and hunt by making short swift flights between trees often over open ground so they can see any rodents that may be around. Another method of hunting is to beat the bushes with its wings so as to flush out roosting birds. Barn Owls have excellent hearing and can hunt in total darkness. As they pounce they spread their feet and claws out wide so as to give a maximum killing area.

Their food is mainly small mammals supplemented with insects, lizards, frogs and birds. Once they catch a rat or mouse they swallow it whole, bones and all, but the stomach only digests the meaty bits. The rest – the hair, bones and teeth – are regurgitated up later as a pellet and deposited on the ground below the nest. Fossilised Barn Owl pellets have assisted palaeontologists in their research as they have been found to contain skulls of species that are now extinct.

Barn Owls breed throughout the year if there is sufficient food available but the peak time in Zambia is February to May. The male and female have a strong bond and roost

together throughout the year. Usually 4 or 5 eggs are laid but they have been known to lay up to a dozen! The eggs are sometimes laid at intervals of 3 days so a single brood may have a range of babies of different ages. The female incubates the eggs which take just over a month to hatch and the male brings her and later the fledglings food. The newly hatched chick is pot bellied, pink and sparsely covered with white down but by the age of 3 weeks the facial disc is distinct and the first feathers are growing. The fledglings leave the nest at about 8 weeks old but remain in the vicinity for another month.

There are many superstitions about owls among rural communities. They have been blamed for stealing the grain from grain stores when in fact they are actually catching the thieves! Their perceived association with graveyards is in fact a food association and nothing more. Owls are good Pest Controllers so remember to give them a space in your garden if they move in.

The Zambian Ornithological Society has produced a reader for the schools called "Owls want Loving" which has been distributed to the schools in the Important Bird Areas



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"THE AFRICAN ROSCIUS"

IRA ALDRIDGE (1807-1867)

By: T.W. Jenkins

With a population of nearly 300 000, Bromley has many claims to fame, it is London's largest borough covering 14.964 hectares. It is, perhaps, the capital's greenest, being blessed with many trees and open spaces. It also has a considerable historical and literary pedigree - Thomas Walsingham, Elizabeth 1's "Spymaster" lived at Scadbury Park and Charles Darwin lived at Downe where he wrote "On the Origin of Species" which changed forever Man's view of the world and his place in it. H.G.Wells author of books such as "The War of the Worlds" was born in the High Street at number 47.

Recently another claim was added when English Heritage erected a Blue Plaque at 5 Hamlet Road, Upper Norwood's E 19 to celebrate the fact that Ira Aldridge "The African Roscius" (1807-1867) Shakespearean Actor lived here. Who? you may ask. It was to rectify the general ignorance of this great black actor that English Heritage decided to honour him.

He was born on July 24 1807 in New York to Rev. Daniel Aldridge and his wife Luranah. He attended the African Free School where an interest in acting first developed. His first role was as a Peruvian in "Pizarro" before he went on to his first Shakespearean role in "Romeo and Juliet". However racist pressure forced the closure of the African Grove, the Black community's own theatre, and at the age of seventeen Aldridge migrated to Britain where he hoped to have a better chance to express his dramatic talents.

His first recorded performance was as Oroonoko in "The Revolt of Surinam" at what is now known as "The Old Vic" but was then called "The Royal Coburg Theatre". His reception was mixed. While there were those who welcomed and applauded him, some newspapers were hostile, The Times claiming that he couldn't pronounce English properly because of "the shape of his lips" while The Globe found his enunciation favourable, it being distinct and sonorous".

Because of continuing adverse criticism in the Press, Aldridge found it difficult to get roles so he toured the provinces where he established himself, playing to full houses in many non-black roles such as MacBeth, Shylock and King Lear. Beside these he also played in comedy, operetta and melodrama (of which the Victorians were very fond). Notwithstanding his success elsewhere, the London stage still boycotted him so in 1857 he went to Europe to try his hand.

He was a great success. Wherever he went, Sweden, Russia, the Austro-Hungarian empire and Poland, he



No. 5 Hamlet Road, Upper Norwood, London, SE 19 where Ira Aldridge lived.

was rapturously received. When he finally returned to England, laden with honours, the theatre could no longer ignore him and he appeared at the Lyceum in 1858.

So great was Aldridge's talent that he was called "The African Roscius". Quintus Roscius Gallus (126 - 62 BC) was a Roman actor of such celebrity that his name became an epithet for any successful actor. Praise indeed.

But Aldridge wasn't only an actor, he was also a spokesman for his race. He had suffered racist criticism for most of his acting career and often at the end of a performance he would play his guitar and sing an anti-slavery song. The Abolitionist movement in England claimed this as a significant contribution to the struggle for the abolition of the slave trade. How appropriate that the plaque was erected in 2007, two hundred years after the abolition of that vile blot on humanity's history.

Aldridge became a British citizen in 1863 and continued to successfully tour the continent where he died in Lodz in Poland in 1867. At his funeral the whole town turned out to mourn his passing. He was buried with State Honours. His grave, a national shrine, is cared for by the Society of Polish Artists of Film



Royal Coburg Theatre

and Theatre. His name is inscribed at the Shakespeare Memorial Theatre in Stratford-upon-Avon.

English Heritage Blue Plaques, of which there are about



Old Vic theatre previously known as the Royal Coburg Theatre

800, commemorate the achievements of many people from many countries and cultures. How appropriate then that Ira Aldridge is now remembered albeit tardily, at number 5 Hamlet Road, Upper Norwood. □



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ZAMINEX

2011

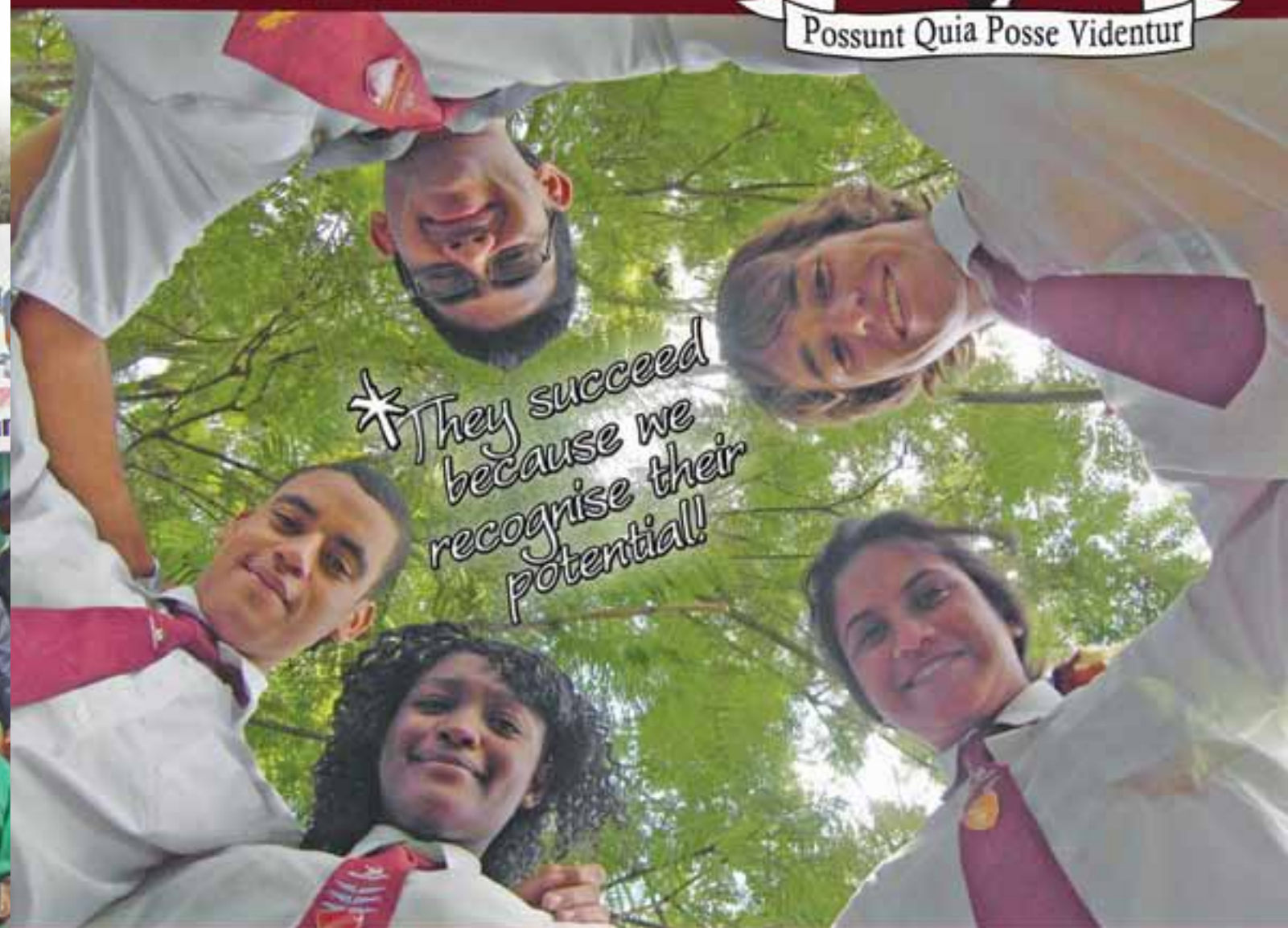
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- ✓ Providing risk management and claims services
- ✓ Pension scheme set-up and administration

Aon Zambia and Aon Sub Saharan Africa
Following the recent announcement of the Aon South Africa acquisition of Glenrand MIB, Aon is continued to be recognized as a force to reckon with within Sub Saharan Africa as is the case in Zambia where Aon is the market leader in terms of insurance broking and risk services

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#1 59,000 500 120 4	Rated reinsurance intermediary, risk services broker and human capital consultants Number of Aon colleagues Number of offices worldwide Number of countries in which Aon operates Number of years of Manchester United sponsorship
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United in Teamwork, Passion and Results

The Financial Page

Sources:
• Financial Mail • Business Day
• Financial Times

AS OF 2 JUNE 2011

EQUITIES

	Last Price	52 Week High	52 Week Low	Yield	P/E
Canada (Can \$)					
Anvil	5.85	7.19	2.65	-	46.92
Equinox	8.14	8.42	3.53	-	27.82
France (Euro)					
Lafarge Cement SA	45.80	51.68	35.57	4.25%	18.37
Total SA	38.64	44.55	35.66	5.76%	7.48
South Africa (Rand)					
ABSA Group	135.83	142.99	118.80	-	12.18
A.E.C.I.	85.96	90.00	62.00	-	15.48
Afrox	18.60	24.98	16.88	-	61.39
Anglogold/Ashanti	308.00	366.31	286.50	-	110.63
Barloworld	69.52	78.50	40.01	-	21.75
Bell Equipment	15.20	15.75	8.90	-	53.84
Illovo Sugar	26.00	30.50	24.20	-	21.94
Metorex	7.16	7.44	3.07	-	21.57
Standard Bank Group	100.20	119.00	94.11	-	14.65
Sun International	85.75	110.63	80.02	-	19.44
Sweden (Kroner)					
Atlas Copco	164.10	178.00	108.50	2.37%	18.03
Sandvik	118.00	136.50	84.05	2.54%	18.42
SKF AB	185.30	197.90	127.40	2.70%	14.87
UK (£/pence)					
Anglo American	29.70	34.69	22.28	1.29%	9.58
Antofagasta	12.69	16.75	7.55	0.74%	20.18
Barclays Bank	2.63	3.94	2.53	2.07%	9.27
BHP Billiton	23.10	26.54	16.31	2.28%	13.51
B.P.	4.52	5.14	2.96	1.88%	-
First Quantum Minerals	77.10	94.50	31.59	0.93%	-
Lonmin	15.70	20.09	13.44	0.59%	30.32
Rio Tinto	41.36	47.18	28.52	1.64%	9.21
SABMiller	22.16	23.29	18.10	2.02%	23.88
Standard Chartered PLC	15.88	19.75	15.07	2.69%	13.44
Vedanta Resources	20.62	29.58	17.95	1.48%	12.70
Xtrata	13.52	15.79	8.32	1.13%	14.08

COMMODITIES

	Cash	3 Mths	Prev
Copper US\$/ ton	9016	9035	9245
Copper Rands /ton	60407	60534	61386
Lead US\$/ ton	2426	2425	2545
Nickel US\$/ ton	22540	22575	36400
Zink US\$/ ton	2222	2245	2317
Gold US\$/ oz	1540	-	1426
Platinum US\$/ oz	1823	-	1757
Cobalt Cath. US\$/ lb	38.50	-	38.50
Cobalt Ingot US\$/ lb	40.00	-	40.00
Brent Crude US\$/ Brl	114.28	-	116.46

Somawhe Estates reaps rewards with versatile Bell TLB



Bruce Paterson (Sales Director: Bell Equipment Zambia) with Brian and Dave Jenkins.

Producing amongst other crops, almost one tenth of all the wheat in Zambia is no mean feat. When you consider that this happens through the efforts of a father-and-son team on one farm, the feat becomes more astounding.

This is the story that plays out on Somawhe Estates' Munkumpu farm where Dave Jenkins and his son Brian, along with their loyal Zambian staff, produce two crops a year – 800ha maize and 1800ha soy beans in summer and 2 600ha wheat and barley in winter. Munkumpu farm was one of four farms previously owned by the Commonwealth Develop Company Limited. It is situated in the south-western part of Mpongwe in Zambia, 120km west of Ndola along the Kafue River.

"When we arrived on the farm almost eight years ago, we were encouraged by the good supply of water that lends itself to high yielding commercial farming under irrigation," Dave Jenkins says. "We now have 2 600 hectares of a potential 5 000 hectares under centre-pivot irrigation fed by good water from our reservoir which is kept sustainable through springs and aquifers."

Maintaining the infrastructure that 27 pivots demand is by no means easy and the Jenkins' acted on an equipment demonstration they had attended in 2007 when Bell Equipment Zambia, operating out of Kitwe, demonstrated a Bell 315SG Tractor-Loader-Backhoe (TLB) in the area.

"We took delivery of a Bell 315SG 4x4 TLB in October 2007 after seeing it demonstrated," Dave continues. "This versatile machine suited our needs and we thought it was very reasonable priced."

Proof of the Bell 315SG TLB's versatility and high mechanical availability is evident when one considers that it clocked up over 7 000 hours in just two-and-a-half years. It was used for trenching, backfilling, loading trucks with gravel and laterite, excavations as well as road building while the boom saw service as a crane in pivot maintenance and loading half-tonnes bags of fertilizer. It also proved invaluable for bush clearing and digging out tree stumps.

With their crop production ever on the increase as a result of tried and tested farming methods and on-going planned maintenance in which their Bell 315SG TLB played a pivotal role, the Jenkins' decided that they could not afford down-time on their mechanical equipment. At 7 000 hours, they traded in their Bell 315SG TLB on a new Bell 315SJ TLB and took delivery of the new machine in February 2011.

"We were impressed that we got back 45% on our original investment," Brian Jenkins tells us. "That we believe is as good a trade-in as one would find considering that our machine had really worked hard in a short space of time."

"Our new Bell 315SJ TLB has continued where the older machine left off," he says. "Its fuel consumption varies slightly according to the tasks it is used for but on the whole, we're very happy with that side of things."

The air-conditioned cab has seen their TLB operator seldom leave the cab during hot summer days.

"We're also more than satisfied with the service we've received from Bell Equipment in the Copperbelt," he adds. "Even though our farm is about 200km away from their Kitwe branch, their response times are excellent and their willingness to assist us with components on loan or quick replacements, has really saved our bacon at times."

Brian recalls the loan of an axle for their Bell 315SG TLB and the quick replacement of an engine for a Bell 225A Logger that they own.

The Jenkins' run John Deere agricultural equipment and have found many common consumable parts amongst their Bell and Deere models.

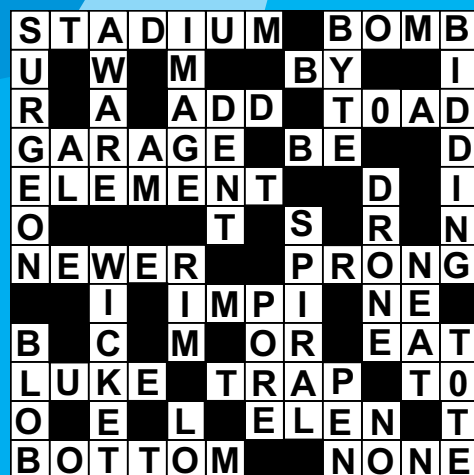
"Our farm is a high-production commercial business enterprise which demands a lot of maintenance to keep it that way," father and son echo. "As we simply cannot afford mechanical equipment that doesn't perform, we're confident that our Bell 315SJ TLB will keep on delivering maximum uptime and help us to achieve our production targets."

Currency Exchange Rates

AS OF 2 JUNE 2011

Zambian Kwacha / Us Dollar	4722	Zambian Kwacha / SA Rand	704	SA Rand / UK Pound	11.01
Zambian Kwacha / UK Pound	7763	SA Rand / US Dollar	6.70	US Dollar / UK Pound	1.64
Zambian Kwacha / Euro	6911				

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2	6	4	1	3	9	8	7	5
8	3	9	5	7	6	4	2	1
1	5	7	8	2	4	3	6	9

GENERAL KNOWLEDGE QUIZ
ANSWERS
from page 16

- | | |
|--------------------|---------------------|
| 1. Pontius Pilate | 8. Pyrenees |
| 2. Paul McCartney. | 9. Puerto Ricans |
| 3. Peking | 10. Pocket Monster |
| 4. Proverbs | 11. Pat Boone |
| 5. Panama Canal | 12. Pernel Whitaker |
| 6. Paris | 13. Pizza |
| 7. Prince | 14. Pig |

kid's
CORNER

fun FACTS ??

- Why are fish so smart?
Because they live in schools.
 - If fish lived on land, in which country would they live?
Finland.
 - Which fish is the most valuable?
A gold-fish.
- Did You Know?
- Fish sleep with their eyes open!
 - A baby fish is called a "fry."

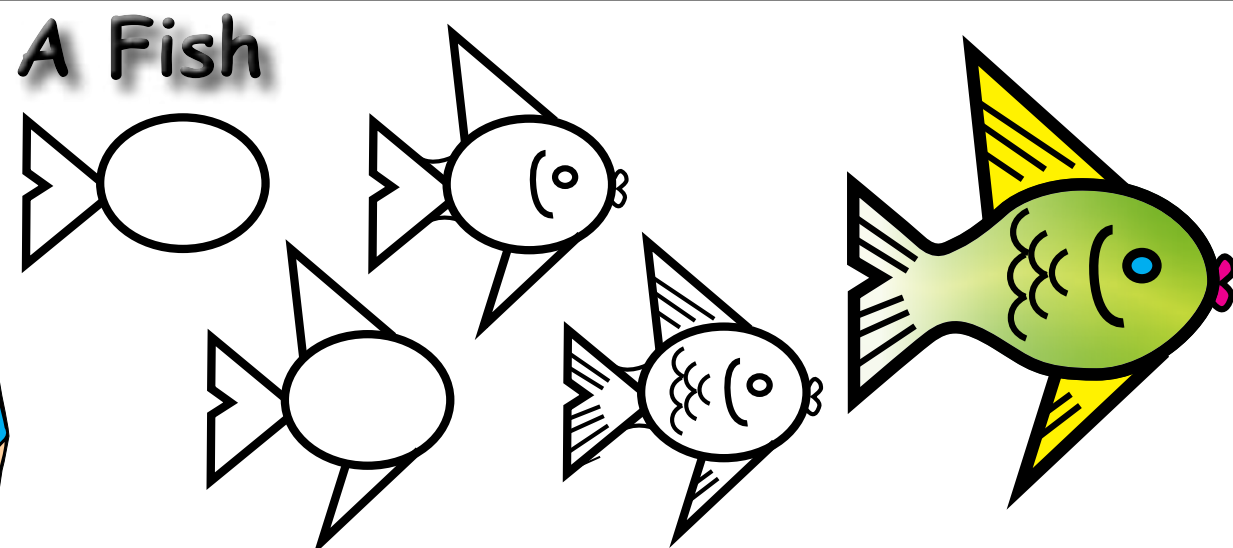
funnies

Fly fishing



LET'S draw

A Fish



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- At the foremost of strengthening health, education and other social welfare programmes
- Human resource development such as training of medical personnel and apprentices in technical disciplines
- Promoting food security through conservation farming projects in North Western Province
- Promoting arts & culture and sport
- Promoting growth of diversified small businesses.

First Quantum has been operating in Zambia since 1997. The company operates Kansanshi Mine which it co-owns with ZCCM-IH. The global mining company was recently granted a mining license through its wholly-owned subsidiary Kalumbila Minerals Limited to operate three potential mines – Sentinel Mine, Enterprise and Intrepid in Solwezi District, North Western Province.



"Ordinary Zambians are an important constituent of First Quantum. We are committed to ensuring that they identify with and participate in the growth of our company in Zambia."

Philip Pascall
CEO and Chairman



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