



Ed's Line.....

So once again I find myself wondering where time has gone.....a third of the year has raced by and the temperatures are slowly dropping. The blankets are out and the coffee consumption is rising.

Since I do not handle the heat of summer too well I now have no excuses for not walking in the KNR. To encourage me further I have been asked to take a long time acquaintance with me next time I go. I like walking on my own, I can decide where I'd like to go and how far to walk but on the other hand having someone with you allows you to see things through someone else's eyes. Considering a different perspective can never be a bad thing. It will also be the perfect time to "pick" her

brain for ideas on articles etc.

It's been a lengthy hiatus from walking; what with life getting in the way of plans and an unhealthy dose of laziness. The best way to shrug off the dust of lethargy is to just do.....

One of the advantages of Autumn is that the foliage is dropping from the deciduous trees giving a better chance of seeing the animals that are so well camouflaged by the bush. Always assuming you are in the vicinity of the animals that is. I have either been extremely lucky and encountered a lot during a walk or I have seen none at all but that is all part of the experience. Will you, won't you? Regardless there is a lot to see and the picture at this time of the year is ever

changing thanks to the magic of autumn colours. On page 4 I have looked at the whys and the where fors of the leaf colours. Clearly I was not paying attention at school as only key words such as chlorophyll and chloroplasts rang a bell. It was an interesting refresher course. I must admit that although I find the science interesting it's not as entertaining as imaging fairies with paintbrushes, just like the ones in the stories of my childhood. I may have entered my autumn years but my imagination stays firmly fixed in spring..... (CN)

The Month Ahead.....

A decidedly quiet month ahead. Kevin will be leading his Bird Walk on Saturday 20th May leaving at 07h30. As ever please remember to take water, your hat and sunscreen, the sun can still burn even out of summer. If you have a pair, binoculars will be helpful too!

A "Long Walk" is scheduled for Sunday 28th May. Details on Page 7. Two watering holes will be provided but please bring your own supply as dehydration is a real problem even in cooler weather. If 20km is too much for you 'escape' routes will be available.



Inside this issue:	
Ed's Line & The Month Ahead	1
Acknowledgments	2
Events Calendar	2
Celebrity Birthday and Cultural Calendars	3
Spot Light On..... Autumn Colours	4
Reserve Map / Directions	5
Regular Events Notice Board	6

Inside this issue:	
Banking Details / Notice Board 2	7

Grateful Thanks to the Following

Donations:

Individuals:

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A Cousins
S Lekata
N Bentley

Donations:

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The Aloes

Banking Details:

Kilpriviersberg Nature Reserve
Standard Bank Southdale
006405
Account Number:
201047284

“Humility is the solid foundation of all virtues.”

Confucious

**Schedule of
Events**

Bird Walks

Kevin Lavery

083 267 3494

Guided Walks:

See Notice Board

General:

084 804 4073

Please note that these dates are subject to change.

Please confirm dates with the relevant persons listed above.

May 2017

(information subject to change)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20^{07h30} Bird Walk See Notice Board
21	22	23	24	25	26	27
28^{08h00} Long Walk See Notice Board	29	30	31			

GPS Co-Ordinates:

Silent Pool 26° 16' 59.57 "S / 28° 00' 34.34"E **Entrance Precinct** 26° 18' 13.50"S / 28° 00'39.34"E

Walk Tips:

We recommend that you wear a hat, good walking shoes and sun block. Bring snacks and water (**water is a must!**) Binoculars are recommended for the bird walks.

May : Birthdays

Sun	Mon	Tues	Wed	Thu	Fri	Sat
	1	2 David Beckham 1975 Soccer Player	3	4 Ruth First 1925 Politician	5	6 George Clooney 1961 Actor
7	8 Sid James 1913 Actor	9	10	11 Salvador Dali 1904 Artist	12	13
14 Mark Zuckerberg 1984 Entrepreneur	15	16	17	18 Walter Sisulu 1912 Politician	19	20
21 Quinton Fortune 1977 Soccer Player	22	23 Johannes Modise 1929 Politician	24 Jan Smuts 1870 Politician	25	26	27
28	29 John F Kennedy 1917 Politician	30	31 Clint Eastwood 1930 Actor			

May : Religious and Cultural

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Worker's Day	2	3	4	5	6
7	8	9	10 Vesak / Visakha Puja	11	12	13
14 Mother's Day Lag B'Omer	15	16	17	18	19	20
21	22	23 Declaration of Bab	24	25 Ascension Day	26	27 Ramadan Start (25/6)
28	29 Ascension of Bahá'u'lláh	30	31 Shavuot Start (1/6)			

Colour Key: Birthdays Non South African South African

Colour Key: Holidays Public Holidays Buddhist Hindu Sikh Christian Jewish Islamic Bahá'i Zoroastrian SA Public Holidays

Spotlight On.....The Changing Colours of Autumn

Autumn brings the early morning chill reminding us that snow can be expected "somewhere" on the mountains. For some of us it's a time to indulge in a hot chocolate, mug of soup or, if we are really lucky, a treat in store for those who enjoy the changing colours of the leaves on both shrubs and trees. A kaleidoscope of colourful leaves that fall and cover the ground in a beautiful blanket.

Ever wondered why and how the leaves turn from summer green to the autumn reds, oranges and purples?

There is, rather obviously, a pigment change within the leaves. The green of the leaves is caused through chlorophyll which absorbs the red and blue light from the sunlight.

The chlorophyll molecules are large and not soluble in the aqueous solution that fills the plant cells. Instead they attach to chloroplasts which are responsible for photosynthesis; the conversion of light energy to chemical energy. This provides the energy to convert carbon dioxide and water into oxygen and carbohydrates. The energy stored in the carbohydrates (or starches and sugar) enables the growth of the plant.

Chlorophyll is not a stable compound and bright sunlight causes it to decompose. Continual synthesis is required to maintain required levels which, in turn, requires the presence of sunlight and warmth.

Carotene is another pigment found in many plants and absorbs blue-green and blue light. When chlorophyll and carotene appear in the same leaf they remove red, blue-green and blue light from the sunlight that falls on the leaves and the leaves appear green. The light energy is absorbed by the carotene, transferred to the chlorophyll and used in photosynthesis. As carotene is more stable than chlorophyll it persists in leaves even if all the chlorophyll has disappeared and leaves appear yellow in colour.

A third pigment, anthocyanins, absorb blue, blue-green and green light. Light reflected from these leaves appears red. Anthocyanins are dissolved in the cell sap of the leaves and the resulting pigment is sensitive to the pH of the cell sap. Acidic sap results in a bright red colour, less acidic results in purple. The colour of fruits such as apples and grapes are a result of anthocyanin reactions. Light and high concentrations of sugar are required and this explains why an apple may be red on one side and green on the other.

The red side was in the sun and the green in the shade.

As the weather cools towards autumn and winter a growth of corky membranes appear between the branch and the leaf stem. This impedes the flow of nutrients to the leaves. Chlorophyll production declines and the green colour fades. Leaves containing carotene turn yellow, if the levels of sugar are high enough anthocyanins are formed and the yellowing leaves turn red.

Taking into account the pigments found in the leaves as well as the weather conditions the leaf colours will vary in intensity. The brightest leaves are found when dry sunny days are followed by cool, dry nights.

In America the autumn displays are becoming a tourist attraction; in particular New England, Michigan and Wisconsin. In Wisconsin alone "fall-colour" tourists spend over \$1 million (R12,5m).

Information taken from:

randomharvest.co.za

en.wikipedia.org

egardens.co.za

scifun.chem.wise.edu

Indigenous SA Trees With Autumn Leaves



Above:

Combretum erythrophyllum - River Bush Willow

Photo Grow Wild

Below:

Combretum kraussii - Forest Bushwillow

Photo Random Harvest



Above:

Heteropyxis natalensis - Lavender Tree

Photo newplant.co.za

Please feel free to submit any suggestions, comments or articles to editixcn@gmail.com

Directions



Directions to "Silent Pool" Entrance (North):

Coming South from N1 or N3:

1. From N12, either via Western Bypass (N1) or Eastern Bypass (N3) get onto the Southern Bypass (N12)
2. Take Kliprivier Drive off ramp (R556) and travel South until you get to the traffic lights cnr Vorster/Columbine Ave
3. Turn right into Columbine, go under bridge and follow Columbine until the Ormonde Drive lights (Engen to the left and Dischem to the right)
4. Turn left into Ormonde Drive
5. Pass Devereux Ave on your left and just before the bridge turn left into Frandolph
6. Proceed to the end of Frandolph to the "Silent Pool" gate. Parking is outside the Reserve.

Coming from M1 South:

1. Pass Gold Reef City and Nasrec off-ramp. Look for Vereeniging—R82 (don't continue to N12 –Bloemfontein!!!) You need the correct lane here unless you want the scenic route.
2. Take Columbine off-ramp and turn left into Columbine
3. Travel down until the lights at a small shopping centre. (Dischem on your left, Steers and Engen on your right)
4. Turn right into Ormonde Drive
5. Pass Devereux Ave on your left and just before the bridge turn left into Frandolph
6. Proceed to the end of Frandolph to the "Silent Pool" gate. Parking is outside the Reserve.

Directions to Peggy Vera Entrance (South):

Coming from South N1 or N3:

1. Take the (N12) and travel to the Kliprivier Drive off-ramp (R556)
2. Travelling South turn right into Impala Rd
3. Travel 4km and turn right into Springbok Rd
4. Turn first right just before Engen into Silver Lane
5. At the T-junction turn right into Peggy Vera
6. Pass the Klipriviersberg Recreation Centre which will be on your right, the Reserve entrance is the next turn right (Parking in grounds)

Coming from M1 South:

8. Pass Gold Reef City and Nasrec off-ramp. Look for Vereeniging—R82 (don't continue to N12 –Bloemfontein!!!) You need the correct lane here unless you want the scenic route.
9. Continue on the on the R82 passing Columbine Rd off-ramp with Southgate Shopping Centre on your right
10. Travel 3km and turn left at the first traffic light into Pierpont Drive
11. Travel about 1km to the fork in the road
12. Continue to the left (Pierpont) and take an almost immediate right fork to the end of the road (T-junction—Peggy Vera)
13. Pass the recreation centre on your right, the next entrance is to the Reserve (Parking in grounds)

Regular Events - NOTICE BOARD

Sunday Walks

Do you want to walk in the reserve but are unsure where to go? Would you prefer to be accompanied by a knowledgeable guide? Experience the beauty of the local flora and fauna right here on your own doorstep.

When: Every 4th Sunday of the month

Where: Entrance Precinct, Peggy Vera Rd

Time: 08h00

Contact: Lea Brash on lea@kolisa.co.za

Cost: R20-00pp (Booking and advance payment essential)

Payment: Deposit into bank account and email proof of payment to lea-brash@kolisa.co.za (Ref = Name and number of attendees)

Catering: Bring your own snacks and don't forget sufficient water, walking shoes, hat and sun-block



Bird Walks with Kevin Lavery

Discover the abundance of bird life in the KNR with Kevin every third Saturday of the month. Check the Events Calendar for times as they vary throughout the year.

Remember to bring along your binoculars, hat, sunscreen and water.

Happy Twitching.....



"Not yet. Don't fly off until the moment they raise their binoculars."

Contact and Banking Details

Telephone and Email:

General Queries: 084 804 4073

Banking Details:

Klipriviersberg Nature Reserve

Standard Bank Southdale 006405

201047284

NPO No.: 032-638-NPO

PBO No.: 930006602



Find Us on Face Book: Jewel of the South

Website: www.klipriviersberg.org.za

KNRA invites all interested parties to submit articles, letters and / or photographs for publication. Any suggestions for regular features are welcome.

Newsletters will be published monthly and contributions need to be submitted no later than the 20th of the month for inclusion in the next publication. Late submissions will be considered for the next publication if they are not time sensitive.

All contributions to be sent via email please.

Editor: Cathy Naude

editrixcn@gmail.com

Disclaimer:

All contributions are the opinion of the contributor and not that of the KNRA Committee or Editor

No racism, foul language or personal insults will be permitted. Please be respectful of others opinions .

Spill-Over Notice Board

Test Your Hiking Abilities

Are you a hiker? Rise to our 20km challenge!

Marshalls, maps and two water stops available.

Or maybe you like to amble along and see how far you get! "Escape " routes available!

All are welcome!

Time: Registration 08h00 to 09h00

Date: Sunday 28th May 2017

Where: Recreation Centre, Peggy Vera Rd, Kibler Park

Cost: R30-00pp or R60-00 per family group of 2 adults and 2 children

Booking , Payment

and information : info@kironia.co.za (Ref - Long Walk)

Bring Along: Snacks, drinks, hat, serious walking shoes and sunblock

Advance booking and payment absolutely essential

(See Page 2 or 7 for banking details)