

MENSA WORLD JOURNAL



SIGHT meeting in Belgrade 2018. See more about SIGHT on p06

CONTENTS

editorial positions vacant p02 | from the excomm p03 | the role of a single molecule in obesity p04 | TEDx in Dubai p05 | more SIGHT - more FUN! p06 | help a mensan's project p07 | the upsides and downsides to a life of lightness p08 | words... p09 | supplementally p10 | there's teasers p12. |

from the editor...



Hello, All,

Many thanks to our puzzle guru, Therese Moodie-Bloom, for updating our puzzle page to accommodate those members whose first language is not English. From now on, the first column of 'teasers' will be based on pattern recognition - graphics or numerals - while the second column will contain language-based puzzles. If any Mensas would like to use Therese's puzzles in any Mensa publications, they are welcome to do so - with copyright acknowledgement to Therese. It goes without saying that permission is not granted for any commercial purpose.

Please consider applying for one of the Editorial Positions mentioned to the right of this editorial. It would be fabulous to have regular input from members all around the world!

Happy reading!
Kate

Cover photo courtesy 'Tee Kay' Kreissig

International Special Interest Groups (ISIGs)

International Special Interest Groups (ISIGs) are SIGs that are open for Mensa members worldwide. They are a platform for the members, worldwide, to join other SIGs, to exchange ideas and to get more out of their membership. They also offer a tremendous opportunity for the members in the remote areas of the world, especially the Direct International Members (DIMs), to get more involved in Mensa.

ISIGs may operate like a conventional SIG (e.g. distributing paper-based newsletters) or purely electronically (e.g. via mailing-lists or web-forums). The latter are referred to as E-SIGs.

Some of the current ISIGs include *Art & Literature, Classical Music, Christian Forum, Creative Writers, Dr Who, Ecology & Conservation, Economics, Finance & Trade, and Gen-X*, to name but a few. The language mainly used is English, and a full list can be found at mensa.org/members/isigs.

Admission to an International SIG is open to any member of any national Mensa and any Direct International Member. To join, please contact the administrator of the ISIG (listed with a full description of the ISIG on the Mensa website).

To start an ISIG, please contact Barbara Kryvko at sigs@mensa.org

Editorial Positions Vacant

I am hoping to expand our Editorial Team to include a more culturally-diverse staff.

I am looking for representatives from Asia, Africa, the Mediterranean and South America to be responsible for keeping me informed about events in your respective areas. These monthly reports need only to be short, with a 400-500 word annual report of your region's activity.

The role of *Features' Editor* is also vacant. This would require a monthly, 400-500 word article on recent research into intelligence.

Finally, there is a vacancy for the position of *Profiles' Editor*. This person would seek out members who have achieved great success in their personal lives, with the aim of featuring a monthly *Member Profile* column.

Please address all enquiries to:
mwjeditor@mensa.org

from the Excomm Director of Smaller National Mensas

After an international election has taken place in Mensa, it is traditionally the European Mensas Annual Gathering (EMAG) in early August where the newly elected ExComm members meet in person for the first time, to discuss the goals and make plans for the upcoming term. This year was no exception, so the new ExComm's first face-to-face meeting was held on Friday and Saturday, August 9-10, during the EMAG 2019 in Ghent, Belgium. Having been elected by the IBD for a second term as Director of the Smaller National Mensas (DSNM), I was honoured to take part in it.

Among the goals for the next two years that emerged from our two days of discussions, I would like to highlight three major ones: the unification of ownership of the Mensa brand; the creation of our own IQ test, and, the creation of an engaging online Mensa community.

Towards unified ownership of the Mensa brand

Besides Mensa International Limited (MIL), the owner of the Mensa trademark, there are currently five National Mensas who own a Mensa trademark as well - due to historical peculiarities. This leads to a cumbersome licensing process and an inability to make quick decisions, whenever licensing opportunities arise. We therefore wish to set up

a single entity that will own all Mensa trademarks worldwide. Other entities that currently own the mark would have to agree to turn them over to this new entity, of course, but we are confident that they will see the advantage in it. One entity will be better able to make timely decisions, protect the Mensa name worldwide, and serve the interest of Mensa as a whole.

Towards our own IQ test

Maybe this goal surprises you. After all, it has always been Mensa's policy to use commercially available IQ tests as admission tests. However, this approach has some disadvantages. The tests often suffer from having outdated norms or from having been leaked online, so National Mensas have to replace their tests regularly. To solve this recurring problem, we therefore propose a new long-term project. A team led by our International Supervisory Psychologist (ISP) Kristof Kovacs will set out to create a culture-fair, computerized adaptive test that will be exclusively owned by Mensa. It will be based on modern Item Response Theory rather than Classical Test Theory, and it is intended to be superior to the commercial tests



we are using now. The initial norming will be done by a professional company. When the test is ready, our goal is to provide it royalty-free to the National Mensas, so they can use it as an admission test.

Towards an online Mensa community

As our Chairman, Björn Liljeqvist, pointed out, National Mensas have a natural online community, but Mensa International has not (yet). We have a new and much improved website, and we have a Facebook group, which is a good start, but it leaves room for improvement. For example, it is hard to find old posts on FB, so the same questions tend to get asked over and over again. Our goal is to create a truly effective, vibrant online community with the Mensa International website at its centre.

The second ExComm meeting will be in October at the IBD meeting in

(continued on p04)

what's on...



MENSA SPAIN AG
| 5 DEC - 9 DEC

SILVENSA
(MARSEILLE, FRANCE)
| 28 DEC- 01 JAN 2020

(continued from p03)

Kuala Lumpur, Malaysia, where we will discuss these ideas further with the IBD, fill in the details, and form action plans. In the long term, we want to turn Mensa into the first address for the public on all matters of intelligence, make the Mensa brand well known and respected, and create benefits for you that will make you proud to be a member of the worldwide Mensa community.

Floreat Mensa,
Mark Dettinger DSNM

the role of a single molecule in obesity

A single cholesterol-derived molecule, called 27-hydroxycholesterol (27HC), lurks inside your bloodstream and will increase your body fat, even if you don't eat a diet filled with red meat and fried food. That kind of diet, however, will increase the levels of 27HC and body weight.

"We found 27HC directly affects white adipose (fat) tissue and increases body fat, even without eating the diet that increases body fat," reports University of Houston assistant professor of biology Michihisa Umetani in the journal *Endocrinology*. First author of the paper, doctoral student Arvand Asghari, adds, "but it does need some help from the diet to increase body weight because it expands the capacity of the fat already in the body."

Long term applications of the findings could lead researchers to a treatment that reduces the levels of 27HC, which could result in reduced capacity for making fat. "We hope to develop a new therapeutic approach toward modulating 27HC levels to treat cholesterol and/or estrogen receptor-mediated diseases such as cardiovascular diseases, osteoporosis, cancer and metabolic diseases," said Umetani, whose lab is part of the UH Center for Nuclear Receptors and Cell Signaling.

Prior to this research, 27HC was known as an abundant cholesterol metabolite, and Umetani's group has reported its detrimental effects on the cardiovascular system, but its impact on obesity was not well known.

Role of estrogen receptors

Obesity is one of the main risk factors influencing cardiovascular disease worldwide in both men and women and estrogen plays a role in both sexes. Menopause in females, with its accompanying decrease in estrogen, seems to hasten the increase in fat tissue because estrogen protects against adiposity and body weight gain. In men, estrogens are also synthesized locally by conversion of testosterone, so they may also play important roles in the development of fat tissues in males.

The molecule 27HC is inside your bloodstream and will increase your body fat, even if you don't eat a high cholesterol diet.

"Estrogen receptors (ER α and ER β) are members of the nuclear receptor superfamily and are present in adipocytes," said Umetani. "Patients with a non-functional ER α are obese, and those that do not have ER α have increased fat tissue even when they eat the same amount of food, indicating that ER α is the important isoform in the regulation of adipose tissue by estrogen."

The main function of 27HC in the liver is to reduce excess cholesterol. Previously, Umetani discovered that 27HC binds to estrogen receptors and acts as an inhibitor of ER action in the vasculature. It turned out that the effects by 27HC are tissue-specific, thus 27HC is the first identified naturally-produced selective estrogen receptor modulator, or SERM.

Neuroscience online: <https://neurosciencenews.com/obesity-molecule-14823/>

TEDx in Dubai - 'unspoken anecdotes' - an initiative led by a new young Mensan

Advik Unni, a Direct International Member (DIM) is a Grade 10 student at the GEMS New Millennium School, Dubai. He came to know about Mensa while browsing through the internet and is very excited to have been accepted as a member in June 2019.

His favourite subjects at school are Mathematics and Sciences, and he hopes to work at the frontiers of science. He is also an editorial member of his school's gazette and has written articles of scientific interest. Besides academia, Advik loves public speaking, debating and volunteering. He has taught maths to his peers in school, and also helped train them in debating. During the current summer break, he is teaching coding and basic robotics to younger kids at the neighbourhood learning centre. He also loves to read and play guitar in his spare time. He hopes to be an active member of Mensa!

Advik was recently the organiser of a student-led initiative, a TEDx event held at the GEMS New Millennium School, Al Khail, Dubai on September 12, 2019.

He writes, "the title of our TEDx event was 'Unspoken Anecdotes'. We debated amongst ourselves and agreed on this topic as we found it to be relevant to present times.

The objective of the event was to "try to explore aspects of local cultures and traditions that are disappearing with the increasingly fast pace of life today, though they still very much shape who we are. We encouraged the audience to know more about these ways of life and how reflecting on our thoughts and views can bring a fresh new perspective to our understanding of the world around us, thus help in changing it for the better. In this event, another objective was to celebrate the essential quality of Global Competence.

"Global Competence is the toolkit that the new generation of students require to think and act effectively in order to achieve success in an ever-changing global landscape. Not only is it important to have a broad range of knowledge and skill sets, but the ability to connect and work effectively with people from diverse linguistic and cultural backgrounds is crucial in today's world.

"Divergent thinking is another important theme that we promoted as part of this event. Divergent thinking helps us explore multiple solutions to the same problem. It can foster creativity and enable us to understand the problem from



different perspectives.

"Our speakers comprised mainly students of our school; we wanted to give the students the opportunity to come up on stage and share their views, perspectives, and express their thoughts on this subject. To make the event even more interesting, we had an impressive array of external speakers. All our speakers shared their stories, experiences and anecdotes to inspire the audience to think in different ways."

Congratulations on a wonderful project, Advik, and a warm welcome to Mensa!

Instagram: @TEDx@GEMSNewMillenniumSchool and on Twitter: @TEDxGNMS1.

More SIGHT - more fun!

New SIGHT functionalities on the new international Mensa website

Mensa.org has a new website and SIGHT occupies a prominent place! In the coming months we – **Henkhenk** and **TeeKay** as International SIGHT Coordinators, supported by a team of volunteers, who enjoy editing websites – will work on providing more functionalities for SIGHT hosts and surfers.

Already the relaunch enables every Mensan with an account on the international website to select the SIGHT marker to indicate they are willing to host or guide someone in their home-town!

Just tick the SIGHT-box in your personal profile <https://www.mensa.org/members/sight/contacts> When looking at someone else's profile you will also see the marking "SIGHT-member".

If you have not yet created your personal account on the MIL website (www.mensa.org), this is the time to do it. Should you encounter a problem please contact your national Mensa board and www.mensa.org simultaneously. After logging in you will see SIGHT in the blue ribbon. Clicking on it you'll find the list of national coordinators per country.

SIGHT in Countries without a National Mensa

We are extremely proud that one of the most fascinating assets of SIGHT is the fact we now have National-SIGHT Coordinators (Nat-SIGHTs) even in countries without a National Mensa.

Since the IBD 2018 in Budapest, interested independent members can apply to be Nat-SIGHTs in their countries, by asking us, the Int-SIGHTs. Special email addresses are then set up in the form of SIGHT-country@mensa.org and are included in our list of Nat-SIGHTs on the international website.

If you take a peek at the Google map you will discover SIGHT is present in many more Asian countries now, such as Thailand and Vietnam. Our wonderful Nat-SIGHTs in these countries are looking forward to receiving your requests and look forward to being inspired by all the stories you can tell them about your national Mensa at home. Contact them at SIGHT-Vietnam@mensa.org and SIGHT-Thailand@mensa.org

SIGHT Facebook

Despite all the data scandals in the past years, Facebook is still the preferred social media platform of millions of people with the result that our SIGHT-facebook group keeps growing. Currently we have 46 moderators from many different countries who check possible admission requests; some are SIGHT coordinators, some are not. The Facebook group is a good tool for finding each other: traveller and host, and also for last minute plans and travels. Our FB page was founded by **Andrea Schwelm**, and we now have 3547 members!

<https://www.facebook.com/groups/176942022394979/>

Active Int-SIGHTs

Henkhenk and TeeKay are pretty busy with many activities which include:

- improving the visibility of SIGHT to all members thus creating more participation in SIGHT
- designing leaflets and banners
- preparing and giving presentations at various occasions
- maintaining and expanding the map with hosts who agreed to be on the Google map of SIGHT hosts
- responding to emails with questions from members, often redirecting them to the right persons
- updating the information on mensa.org for SIGHT officers,
- trying to reconnect with listed officers who do not respond
- and a lot of other stuff!

And, we're always looking for volunteers who support us! Many thanks to all our Cont-SIGHTs, Nat-SIGHTs and Loc-SIGHTs!

SIGHT-MAP – still on Google but ready to move

The map with SIGHT hosts has also grown a bit, showing more and more SIGHT hosts. One of the most important tasks of the future is to move it from Google onto the Mensa website. The quicklink to the map is: <https://bit.ly/sightmensa>

If you want to be added on the map please contact Henkhenk directly at SIGHT@mensa.nl

More on SIGHT next issue...

Tee Kay and HenkHenk
sight@mensa.org

help a Mensan's project...

by Zabeda Abdul Hamid

At the recent European Mensa Annual Gathering (EMAG) 2019 in Belgium, I met up with a close friend, Cinthia Reyes, a Mensan from Mexico. Cinthia is a Chemical Engineer with a Master's degree on Polymer Processing. Her PhD was done in IT working on education with Flipped Classrooms. She also has ten years' experience in teaching Science, Maths, English, and, Chemical Engineering subjects such as Fluid Mechanics, Heat Transfer, and others. She also owns and administrates a Robotics school for children. Currently, she has been working on a

MIL from that moment on to do exactly that. Some other volunteers and I became the first National Committee and we did it all by the book, so Mensa Mexico could become an ENM and two years later, a PNM. I was National Chair for four years and when that was over, I helped out as Membership Officer for two more years and afterwards decided to get the Gifted Children area started. I also presided over that committee for another four years to get things properly started and structured.
Z: What drives you to do so much work in Mensa?

Engineering on it.

Z: How can we help you with this project?

C: There are different funding arrangements for programmes and open calls where you can be supported with equipment, coaching or broadcasting your channel for more people to get to know it, but all of these require 25, 30 or 50 thousand subscribers, a requirement I have not met yet. This is where you and other Mensans can help me out! Go to my YouTube channels and subscribe. It is free and it only takes a moment.



project where she uses YouTube videos to explain various topics in Science in an interesting and engaging manner. I spoke to Cinthia about this project as I thought it was a great way to introduce Science to the layperson of all ages and backgrounds.

Zabeda: Please tell me a little bit about yourself and how you helped start the Mensa Chapter in Mexico.

Cinthia: When I became a Mensa member there was no chapter in my country. I was chosen to try to grow the membership in my region in an informal meeting – the first one I had ever attended! – and contacted

C: My objective while doing so much Mensa work has always been the same: to fulfil Mensa's objective of using intelligence for the benefit of humanity.

Z: Can you explain more about the personal project that you are developing outside of Mensa?

C: For a year I've been pursuing the objective of using intelligence for the benefit of humanity in a new project, two YouTube channels where I firstly create videos where I talk on daily life topics from a scientific perspective. My second channel is much more specific: I teach Chemical

These are the links to both of my channels where you can subscribe and watch the videos:

www.youtube.com/cinthiareyes

www.youtube.com/elauladecinthiareyes

I would consider it an honour if you would have a look at the videos on my science communication channel and comment on them if you think it will lead to improvement. Hopefully you will share the links with other people and ask them to subscribe too.

Z: Can you share a few highlights on the topics from your YouTube channels?

(continued on p11)

humour and laughter, playfulness and cheerfulness

The Upsides and Downsides to a Life of Lightness

This research topic brings together the four research areas of humour, laughter, playfulness, and cheerfulness. There are partial overlaps among these phenomena. Humour may lead to laughter but not all laughter is related to humour. Playfulness is considered the basis of humour (a play with ideas), but not all play is humorous. Cheerfulness is considered the temperamental basis of good humour, a disposition for laughter and for keeping humour in face of adversity but it mostly overlaps with the socio-affective component of humour. Laughter was considered a play signal and to indicate the annulment of seriousness, but there is play without laughter and laughter outside of play. Cheerfulness might facilitate play and cheerful state might be raised due to play but again the conceptual overlap is only partial. They all contribute to levity in life and their apparent similarity suggests studying them together to map out the territory; i.e., to see where they overlap and what is specific. While these traits and behaviours have the potential to contribute to a good life, there is the danger of overlooking their non-virtuous facets; that is, laughter may not only be expressing amusement but scorn directed at people, humour may be benevolent but there is also sarcasm, and playfulness may elicit

positive emotions but also risk prone behaviours. While this research topic solicited articles to these four domains without the aim to connect them, a few articles did and it is expected that growing together will be one outcome of this compilation of articles.

Currently, these fields are studied mostly in isolation. A literature search (using the psychology database of Web of Science Core Collection from 1900, 06.08.2018) yielded that humour is clearly leading in terms of number of publications (n = 3,006), followed by laughter (n = 1,412), playful(ness) (n = 629), and cheerful(ness) (n = 204). As a comparison, antonyms were studied as well, and yielded higher numbers, such as for crying (n = 1640), serious-mindedness (or seriousness) (n = 892), and sadness (n = 3,654). The last indicates that sadness is 18 times more frequently researched than cheerfulness.

Next, the frequency of articles combining terms was investigated. Combinations of humour and one of the other key terms are rather infrequent with the exception of "humour and laughter" (n = 454), suggesting that about 10% of all articles on humour also refer to laughter. Humour and playfulness (n = 59) and humour and cheerfulness (n = 53) represent only 2% of all articles on humour, and these numbers are still much higher than any combination among

the other three. This clearly shows that work is needed integrating these areas to examine how the concepts overlap both regarding their defining substance but also in predicting third variables. It should be mentioned that in a pioneering publication preceding the renaissance of empirical humor research three of the keywords were considered together. Toronto-based English psychologist (Berlyne, 1969) gave an account of laughter, humour, and play in a chapter in a handbook of social psychology. The compilation of research in the four fields is aimed at deepening our understanding of these concepts and stimulating research combining them.

Neuroscience

<https://neurosciencenews.com/lightness-being-14788/>

*A special article collection published in **Frontiers in Psychology** explores the mood benefits of fostering our innate capacity for levity, in whichever situation we find ourselves.*

Send your letters, ideas, or articles of interest to mwjeditor@mensa.org Please include your membership number.

words...

by kate nacard

very sinister...

Being a leftie myself, I was delighted to discover that we lefties form an elite 7-10% of the population and that so many of us are creative and artistic. Some would claim we're also more intelligent! In *Right-Hand, Left-Hand*, Chris McManus (of University College London) argues that the number of lefties is increasing and that historically we have a disproportionate number of high-achievers because our brains are structured in such a way that a greater range of abilities is open to us. Other researchers at John Hopkins University found in 2006 that tertiary-educated, leftie men are 15% richer than their dextrous colleagues and 26% richer if they'd graduated!

However, apart from these findings, along with the peoples of the Andes believing that left-handers have special spiritual abilities, and in tantras (Buddhism), the left hand represents wisdom, it seems that the positives remain few. Now, I already knew (well, who could fail to know!) some of the derogatory connotations of being a *molly-dooker* (forgive my using a common Aussie term here), but was quite surprised (no – very surprised) to find that historically, the evilness of left-handedness stretches way past the



Latin-inspired language of Western Europe (and hence the Americas and Antipodes) to ancient Mesopotamia, ancient China and India.

In ancient Semitic and Mesopotamian languages, while “left” symbolised power, it also symbolised the power to shame society, and was used as a metaphor for misfortune, evil, or punishment from the gods. Centuries later, this metaphor was integrated into Christianity by early Catholic theologians such as Ambrose of Milan, and modern Protestant theologians such as Karl Barth, to attribute natural evil to God in explaining God’s omnipotence over the universe.

In many European languages today, “right” is not only a synonym for correctness, but also stands for authority and justice: German *recht*, French *droit*, Spanish *derecho*, Portuguese *direito*. The right hand, has long been held as pertaining to skill (witness ‘dexterity’ coming from the Latin *dexter* meaning right-handed), and in Spanish, *diestro* means both

right-handed and skilful as does the Italian *destro*. Meanwhile, the English word sinister comes from the Latin word *sinestra*, which originally meant “left” but which took on meanings of “evil” or “unlucky” by the Classical Latin era. But all may not be lost as sinister could also come from the Latin word *sinus* meaning the pocket on the left side of the toga. (This sounds good to me - the left hand, the ‘favoured hand’ resting in the pocket while the right one does all the gesticulating...)

Sadly, though, the left side is often associated with awkwardness and clumsiness, the English expression “having two left feet”, and the Polish, Dutch, German, Bulgarian, the Czech and French all having similar expressions for clumsiness. In ancient China, the left has always been the bad, improper side and in Mandarin the “left path” stands for illegal or immoral means.

In Welsh, the word *chwith* means left, but can also mean strange,

(continued on p10)

(from p09)

awkward, or wrong; in Finnish, *oikea* means both right (correct) and right (the opposite of left); in Swedish, *vanster* means left and *vansterprassel* means adultery and cheating, and, in Polish, *lew* means both left (opposite of right) and, colloquially, illegal.

It gets worse. Muslims use the left hand for cleaning oneself with water after defecating while the right hand is used for eating. Apart from death, there can perhaps be no greater punishment than having one's right hand cut off so that the 'toilet' hand is also the eating hand...

Various theories vie for the reason for left-handedness, the foremost being the Geschwind theory. It suggests that exposure to higher levels of testosterone before birth suppresses the development of the left cerebral hemisphere and the subsequent highly-developed right hemisphere, which looks after the left side of the body, and results in the child being left-handed.

Whatever the reason, happily, society today is a little more accepting of the left-hander than as (relatively) recently as 50 years ago. My sister was forced to write with her right hand in preparatory school, but has ended up drawing with her left hand and playing sports (tennis and golf) with her left hand. I write with my left hand (but play sports with my right), and I remember clearly the problems I had with writing. My writing always sloped up the page, it was messy, my hand smudged the ink – arrrrggghhh. (It's a pity I wasn't a writer of Persian, Arabic, Urdu, Hebrew or any other right-to-left

script so that I wouldn't be running my hand left to right with the smudginess...). But, there are leftie shops with such great inventions as left-handed scissors, potato peelers, corkscrews and can-openers! Heavens! If I really wanted one, I could even have a left-handed trumpet!

Being a leftie is all right, I say! (And just as well champagne bottles aren't fussy about the handedness of who opens them...)

kate nacard

(Primary source: Wikipedia)

supplementally...

by john blinke

Invasion: Moon

Wired, August 8, 2019. "SpaceX's Crashed Spacecraft Spilled Tardigrades on the Moon." Contributed by Chip Taulbee.

An army of super tough alien life forms has landed on the moon. Well, they didn't land, they crashed. And, they aren't really aliens. They came from Earth. And they probably aren't alive — although they once were. A bunch of microscopic tardigrades, or water bears, were part of the Arch Mission Foundation's project to preserve the life and culture of the Earth against some future catastrophe. The microscopic critters were stuck to a tape that accompanied a flapjack-sized archive of DNA and all kinds of digital information that rode on Israel's Beresheet moon lander. Although the lander crashed, the data disk and biological specimens were probably tough enough to survive.

Sailing

New Scientist, August 10, 2019, P6. "Sailing Through Space."

The Planetary Society's LightSail 2 has become the first solar sail craft to control its own flight. It launched on June 25, 2019 on a SpaceX Falcon Heavy and it demonstrated controlled flight on July 31, changing its orbit by 1.7 kilometres. LightSail 2 consists of a crazy-thin mylar sail 32 square metres in area, and a shoe box-sized cube that contains communication gear and cameras. In a nice bit of reverse technology transfer, NASA engineers will consult with the LightSail guys at the Planetary Society to get tips for their upcoming sail-powered asteroid flyby, the Near-Earth Asteroid Scout. It will go up on the first flight of the new Space Launch System in 2021.

Invasion: Michigan

Science News. "A Mussel Poop Diet Could Fuel Invasive Carp's Spread Across Lake Michigan."

Two species of Asian carp are very close to moving into Lake Michigan from the Mississippi. Their habit of leaping out of the water in shoals makes them dangerous to recreational boaters, so the Great Lakes states are not happy about this. There had been some hope that the lake itself might be a barrier to their spread because there isn't much for them to eat. But new studies show this might be a false hope because other invasive species — zebra mussels and quagga mussels — provide a lot of organic waste that bottom feeders like carp could eat if they chose to do so.

(from p 07)

Fugitive Moons

Science News, August 17, 2019, p. 5. "Ploonet".

Do you suppose a moon could leave its parent planet and have a life of its own? Yes, but it could be a short life, according to scientists at University of Antioquia. They simulated Jupiter-sized worlds orbiting close to their stars and found that gravitational complications could possibly set their moons free. But there would be a high risk that the moons would collide with either their former planets or the star they both orbit in about a half million years.

John Blinke
 Johnb44221@cs.com

C: In my Science Channel, I've talked about 10 of the most interesting inventions we enjoy thanks to the *Space Race*. I have a short video on *Control Locus*; and also have information related to *Climate Change* - my background is very much science-oriented. I do hope all my efforts can be noticed in my videos, that is, how I try to explain the ideas and the use of reliable sources for the everyday person.

Z: So your videos are not necessarily for those with a Science background only?

C: That's right. Hopefully, these videos can be watched by anyone - regardless of their educational background or age - and also maybe kids

and even adults can be opened up to the world of science in an interesting and educational manner.

Zabeda Abdul Hamid

Silvensa!!

**Join us for a fabulous
 New Year
 Celebration!**

- the official venue has been booked
- places for the Icebreaker, the NYE party and the Farewell Brunch have been found
- activities such as: laser tag, escape room, treasure hunt, poker tournament, karaoke night and pillow fight! have been booked
- sightseeing the Old Town in a small tourist train & visiting the Marseille Soap Museum have been booked!

Silvensa@FaceBook

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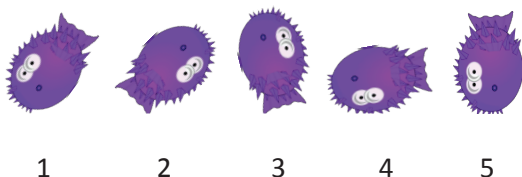
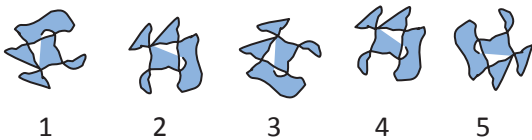
THERESE'S TEASERS

Cryptosum

Each symbol represents a different digit from 1 to 9. The sum of the digits in each row and column is shown. Find the sum of the numbers along the diagonal line from the top left-hand corner.

| | | | | |
|---|---|---|---|----|
|  |  |  |  | 14 |
|  |  |  |  | 23 |
|  |  |  |  | 23 |
|  |  |  |  | 25 |
| 23 | 18 | 29 | 15 | ? |

Odd Ones Out



Rebus

What kind of a low-life is this?

THE TURASPF

Elemental Riddle

*Wrap lead 'round uranium and you will find
A place for drinks of a certain kind.
Add fifty, I see (or so they say)
It's no longer private, it's plain as the day.*

Cryptic crooks

Each cryptic clue yields a villain of some kind:

- Successful fellow?
- Edgar's on 'is tip-toes, and is over-extended!
- Two fools in ...
- ... a collapsed funfair.
- Possibly could nurse, without hearing you
- Edit, if the ...
- ... florists really are underselling daffodils initially!
- She is feeling a bit 'under the weather'
- Comic on mandrake is too much!
- Burr (or shoe?) loses its head.

Anagram riddle

*Seven letters have I, you can change them around
To make words which vary by more than a sound:*

** A bundle of rods used for lining a ditch;*

** These folk are engaged and soon they will hitch;*

** Dreams and hopes, these have no bounds;*

Now that you've solved me, which words have you found?

Answers

Cryptosum: 30 (6 + 9 + 8 + 7) **Odd Ones Out:** 3, 3, 1,4

Rebus: a snake-in-the-grass **Elemental riddle:** Public
Cryptic crooks: a) Hitman b) Arsonist c) Assassin d) Ruffian e) Scoundrel f) Thief g) Fraud h) Crook j) Conman k) Rogue **Anagram Riddle:** Fascine, Fiances, Fancies