

AYDIN *Young* PENS

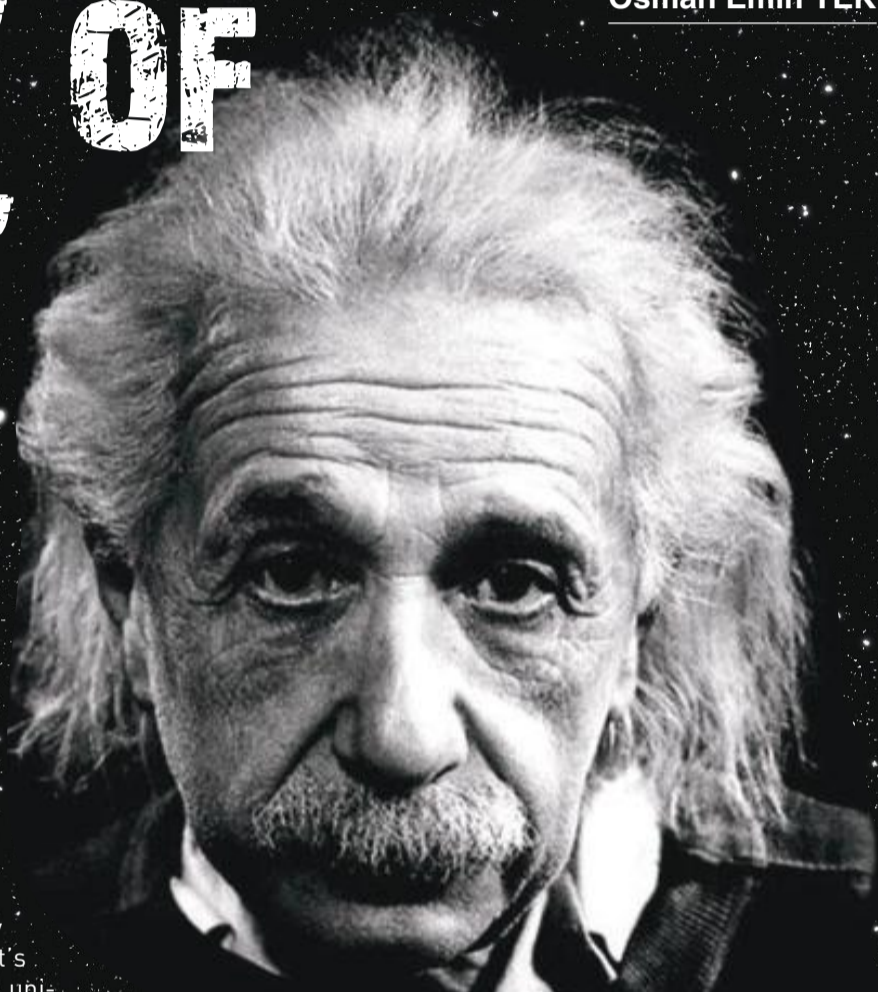


SEMI-ANNUAL MAGAZINE by the ENGLISH PREPARATORY SCHOOL

Spring 2017-2018 Issue 2

THE THEORY OF RELATIVITY

Osman Emin TEK



The Theory of Relativity is a theory of physics put forward by the famous physicist Albert Einstein and later accepted as valid by other scientists. Relativity refers to the synchronicity of an event, that is, the flexibility of the same event for several people at the same time. In other words, time will travel all over the universe at the same speed but can be felt differently. Albert Einstein added time to the three-dimensional structure of the world which consists of width, depth and height.

The Theory of Relativity consists of two parts - Special and General Relativity. Einstein also considered the effect of gravitational force in the General Theory of Relativity. However, the force of gravity does not add up in Special Relativity which was developed by Einstein in 1905. He first described this theory in his article "On the Electrodynamics of Moving Bodies" in the journal of Annalen der Physik. According to Einstein, phenomena such as time, space, and motion are not independent of each other. In his Special Relativity Theory, the object is connected with time, time is connected with the object, space with motion, and motion with space, so ultimately, they are all interconnected. Regardless of how they move towards each other, light velocity is the same everywhere. Although this theory can be difficult to understand intuitively because it has so many outcomes, it has since been proven in several experiments.

Whereas Galileo's Relativity Principle argues that time and unchanging movements are relative wherein a ship in motion appears to be moving by an external observer while the person inside say it is stable, Einstein added the effect of light velocity to this principle. He argued that the measured value of any object's light velocity at a constant rate remains unchanged. From this emerged his Special Relativity theory.

More concretely, consider that you're in a car moving at 200 kilometers per hour, while another car is passing by you at a speed of 250 kilometers per hour. It is going to seem like the other car is moving at 50 kilometers per hour. Alternatively, if the same car was at the same speed as yours, it would seem as if it had the same speed. In other words, if that particular car passed by you at 200 kilometers per hour when you

are steady, it would seem a lot faster to you, but if your car was also moving at 200 kilometers per hour, it would seem steady to you.

Based on the relativity theory, it can be said that light speed or velocity is at 300,000 kilometers per second. At 300,000 kilometers per second, would you be able to see the light rays? Unfortunately not! This is the point! Regardless of how fast you are running, the light's speed does not change. No matter how fast we are running behind the light, its velocity will remain constant. The light's

velocity is the limitation of the universe. In no way is it possible to reach this speed. Light velocity can not be stopped but it can go slow. When you look at the light underwater, you will see the light rays, and that is the only way light slows down.

But even without mentioning the wonders of light speed, it is impossible to travel at this speed. But if we are able to travel at the speed of light then time would slow down. For example, let us assume that one of your friends is an astronaut who is travelling to space at light speed. When they come back after 30 earth years, you would have so many memories to tell them but they would not have any because time moves so slowly at light speed by which he travelled. For him, the time has gone so slowly that he did not even grow 30 years older. According to the special relativity theory, time gets slower for those travelling at light speed and so they do not grow older in normal speed. On the other hand, the General Relativity Theory was developed by Einstein in 1916 and deals with systems where there is acceleration and strong gravitational force. It speaks of Newton's Universal Gravitation Law and expands Special Relativity theory influencing mass gravitation in space, time, or space. According to this theory, space is a four-dimensional structure that

includes time and is bent or warped by dense mass. So far, all the propositional hypotheses of General Relativity have been verified by experiments. As an example of this theory, all the objects in space are bound by space and time but the quality of this binding varies according to the strength and density of the objects. A more specific example of this situation is that the effects of the world over space and the effects of a star or a black hole are not the same. The effect of the black hole is greater compared to others. Therefore, the gravitational force of a black hole is more than the others. All these are based on the principle of general relativity.

Einstein's theories of relativity explain that all the celestial bodies like the Earth bind space and time while they revolve in their own axis. Based on this, NASA's studies point to and recognize a 2-meters aberration the Earth's axis per year.

To sum up, Einstein's theories of relativity allow us to look at astrophysics from a new and different perspective. We can not thank Albert Einstein enough for his contributions to science. Rest in peace, Father of Physics!

Black Holes
Page 3

Herd Psychology in Social Media
Page 6

Red Planet
Page 9

The Elder Scrolls 5: Skyrim
Page 10

Airport Architecture
Page 15



FROM THE EDITORIAL DESK

Dear students,

The last days of classes are now just days away and your major studies are on the horizon for you. Next year you will be studying in the field of your major and I would like to share a few wise words with you...

Life as a university student is one of the most important phases in your life and it is also a unique and challenging experience for you. Being a student at university is very different from being a pupil in a high school. You learn a lot of new things, not only academic knowledge but also many things about life. It may be confusing and weird at the beginning, but also exciting. In other words, you can expect a minor cultural shock, which can be beneficial for you. You develop new perspectives and grow as an individual while learning new information because you continually change by trying out new ideas and making mistakes. However, life at university can sometimes challenge you in unexpected ways. At times you may feel lost, confused, depressed or uncertain. What should you do to cope with these feelings and overcome the difficulties?

First of all, your major study should become your passion. Passion can be a source of energy and motivation for academic work and it plays a very important role in your success.

Secondly you must always prepare for class, attend the class and participate actively in it. For your sake - not your lecturer's. If you are trying to text by phone or daydreaming instead of being mentally present in class, it is going to affect you - and only you. You can't use what you don't learn - at exams, in projects or at work.

Thirdly, you need to be organized. You must learn to think and work systematically, methodically and analytically. Different people need different approaches. You should find a system that works for you. You do need a method that helps you prepare in advance for projects and exams and keeps you on top of your assignments. You should not leave them until the last minute to get started. You have



Mustafa Berk KELEŞ

CAUSES OF POPULATION INCREASE

Do you know how many people there are in the world? The population of the world has grown very fast since the global wars. Many scientists and politicians say that we might need to look for a new planet to move to because of the fast-growing population. According to the "Worldometers" website, the world's total population now is about 7,610,240,000 people. There are some reasons that enable the population to increase day by day but two stand out - the improvements in the healthcare field and because there aren't any huge events like major wars and fast-spreading illnesses, that can dramatically stop its increase

First of all, the medical field has been continuously improving thanks to many innovative people like Aziz Sancar who won the Nobel prize in chemistry for his scientific research about DNA. As a result of the developments in this field, people can now live longer than ever. According to The "Worldcounts" web site, almost 350,000 babies are born every day in the world. Unlike in the past, there aren't any serious epidemic illnesses like the black death that caused millions of people to die in the Middle Ages. Medicines have been discovered and new treatments continue to be devel-

oped for most of the illnesses in the world. Because of these improvements, the death rate has reduced and birth rates have increased.

In addition, there were many terrifying wars in the world in the past. Many young people were drafted in these wars. Throughout history, a lot of people, especially the youth, died due to these global wars. There were an estimated 20 million deaths in the first world war and 50 million to 80 million in the second world war. Although wars have damaged the world in many ways so far, they have also kept the population in control. In today's modern world there aren't any big and major wars which can significantly affect the population like how it did in the past.

In conclusion, there are many developments and new techniques in the medical field which reduce the death rate making people live longer than the past and a huge number of babies being born in our planet every day. There aren't any new major and global wars or events too that can stem the growing population. Hopefully, there wouldn't be any more wars but these two developments certainly contribute to the growing global population.

to schedule your time and work in a disciplined manner. You should plan your work weekly, so you know when and what you are studying. You should also make a general plan for the semester, giving you an overview of the deadlines.

Besides, you ought to learn the academic rules in the university. It is your responsibility to comply with all the rules and observe all the deadlines. The fact that you are not aware of a rule or a deadline, or the fact that no one has informed you of the rule or the deadline is no excuse for failing to perform. If the students making excuses such as "... but nobody told me..." realized how ridiculous they sounded, they would be mortified.

Don't hesitate to talk to your teachers. If you have any question of concern about how you are doing in a class, go to the professor and discuss it. Make sure you take the opportunity to start talking with your professors early at

the beginning of the term. It will also help you learn about class requirements. If you wait until after midterms, or even worse, the day before finals, to "see how things are going" and experience failure, it will prove to be a no-win situation. Moreover you ought to get to know some professors. They should not be looked upon as the "enemy". They are the individuals who will evaluate your work, supply references, and guide your intellectual development. Should you develop a bond of friendship, you will find they are invaluable during the rough periods of your academic career.

However you should have a balanced life. All work and no play makes you dull and uninteresting to others and even yourself. Therefore you should develop habits that can help you be successful both at life and university. Get sleep, exercise, eat properly, and spend time with people you care about and on your other interests. Surely you

need social support. Becoming part of the university is just as important as going to class, writing papers and taking exams. Successful students take place in social events and are involved with other people. This doesn't mean you should join every group, but you can be selective and then participate. Being involved will only enhance your university experience. Try to spend time with your friends and put energy into your important relationships. Furthermore, you can teach each other a lot when you socialize or talk about your courses over coffee.

All in all, you can make a commitment to yourself to be successful in all aspects of your university experience.

Y.Sema Okay

Editor-In-Chief - School Magazine
Deputy Director
English Preparatory School

BLACK HOLES

In this article, we will talk about the least known matter in the universe - black holes. Black holes are cosmic forms that cannot be seen with any observation tools but are recognized by the effects and changes they cause around them. Black holes are places where none of the known physics rules exist. Although little is known about black holes, dozens of theories have been put forward. Their mystery attracts all astronomers. Black holes are invisible contrary to what they are pictured. Black holes are invisible due to the fact that they absorb the light around them, but they can be recognized through research. All the black hole depictions you have seen so far are completely coloured. Black holes are energy and we can only feel them. And the moment you feel a black hole, you feel the last thing you can feel in your life because it will draw you towards its centre almost at the speed of light. The fastest measured speed of wind around a black hole is 200 million kilometres per hour. The crew that observes ultraviolet radiation received by the Gemini telescope that is located in Chile, and the Sloan Digital Sky Survey telescope located in Hawaii, USA, examined the dynamics of the winds around the super massive black holes. "The speed of the winds we've discovered is more than 200 million kilometres per hour," Jesse Rogerson of York University in Canada said. The highest speeds of the strongest hurricanes ever on Earth reach 300 kilometres per hour. The speed of the winds discovered around black holes is about a million times faster.

Black holes are the most mysterious matter in the universe. Black holes are the highest points that science can measure. Gravity, time and substance end there. Everything that gets closer to a black hole are sentenced to death. Black holes are the heaviest matters in the universe. If you want to have an idea about how heavy black holes are, imagine that a pinpoint is equivalent to trillions of tons of weight. Black holes are the bodies among discovered objects that twist

space in the densest sort of way. Black holes have unlimited gravitational forces, they swallow everything that comes in, even light and time are helpless against black holes. A black hole can easily absorb millions of stars and planets. Here black holes have such an infinite power, where is the beginning of this matter, how does it begin, how do black holes come to exist?

How black holes are formed

First of all, it is necessary to know that a black hole can be created from all objects in the universe. Black holes can be created from a soccer ball, a computer, a planet and from a star. All we have to do is compress it to the required radius. This radius is called the Schwarzschild Radius. Of course this is not something that man can do. For example, if we want to get a black hole from Jupiter, the largest planet of our solar system, we need to compress it into man-size volume. If we want to get a black hole from the earth, we have to compress it to fit into a man's palm. The required Schwarzschild radius is different for each object. Just like the objects considered, the stars are turned into an explosion-ending existence. Stars larger than the sun have a massive explosion when they come to the end of their lives. According to the size of the star, this explosion is called a supernova or a hyper nova. During this explosion, the energy that the star or sun has been producing throughout its life manifests. In this explosion while the exploding star hurls its outer layers through space, its inner core stars get compacted with huge pressure and the exploding star reaches its own Schwarzschild radius. As a result of these events, the matter that creates the nucleus loses the feature of materiality. A star that is a million times larger than our planet reaches very high density when

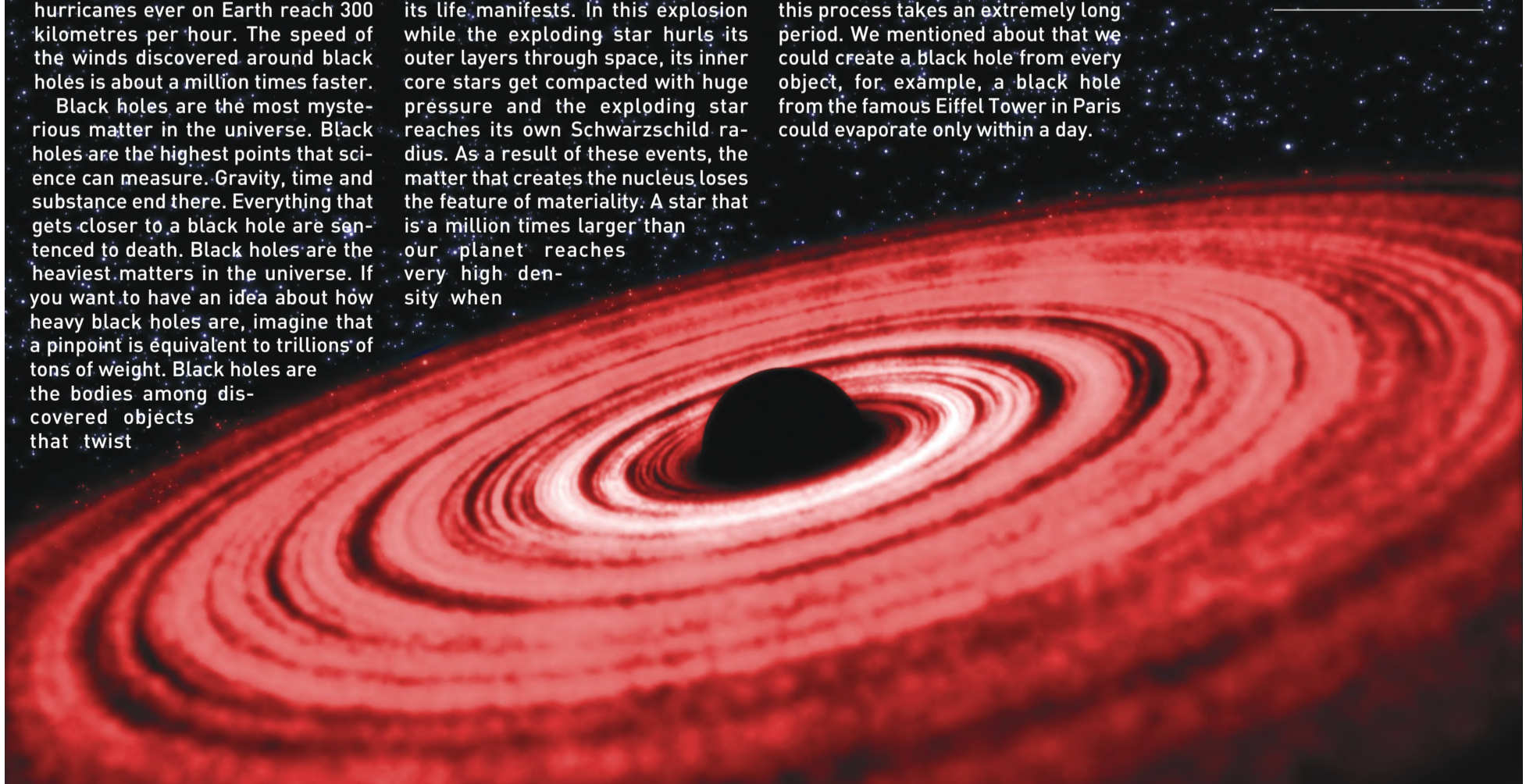
compressed into a few square kilometres of area. Thus, as the gravitational force of this star that once used to hold dozens of planets in its orbit gathers in a tiny space, it turns into a black hole that pulls everything around and destroys it. A black hole absorbs every planet, star and smaller black holes that come across its way. The more it absorbs the bigger and more powerful it gets. Time goes by more slowly in the centre of a black hole because the gravitational force there is massive. And due to the power of the gravitation there, a black hole absorbs light as well, and accordingly, black holes are dark.

So, do those black holes live forever or do their lives end in a day? Black holes are the longest-lived matter in the universe but of course their lives also end at one point. Every black hole spreads energy around it. So they emit radiation called the Hawking Radiation. According to Stephen Hawking who analysed The Theory of General Relativity and The Quantum Field Theory, black holes lose energy when releasing radiation around them but this event spreads to such a large extent that human-based technology cannot measure it. Therefore, every black hole has an end. The more massive the black hole, the more energy is released. The more energy released, the more it shrinks. But over time, the black hole loses its mass as sudden explosions and thus becomes smaller and unstable until it evaporates. But this process takes an extremely long period. We mentioned about that we could create a black hole from every object, for example, a black hole from the famous Eiffel Tower in Paris could evaporate only within a day.

Where is the nearest black hole?

Is there a black hole threatening our world? Scientists have explained that the closest star behind the Sun is Proxima Centauri at 4.2 light years away and that the nearest star is a black hole called V616 Monocerotis, about 3000 light years away. This distance is close enough to be called a neighbour to our planet when distance in space is considered. However, V616 Monocerotis, the closest black hole to our planet, is not a threat to us. A black hole named Sagittarius A is located in the middle of our Milky Way Galaxy and it is 24 million kilometres in diameters. Sagittarius A is a black hole with 4 million solar masses, so it is classified as a super massive black hole. The largest black hole discovered until now is the "S5 0014+813 black hole. This black hole with a 40 Billion solar mass is of course classified as a super mass black hole. The first black hole to be discovered is the "Cygnus X-1" black hole. It is not possible to understand that this structure, which we have first been aware of in 1964, is a black hole, until the researches of 1971-1972. The Cygnus X-1, which is thought to have formed 6 million years ago and is 6000 light years away from us, still maintains its place among the fastest black holes known orbiting 800 times per second.

Osman Emin TEK



WHY DO WE FAIL?

Sümeyye Nur ÖZGENÇ

Everyone has lots of dreams no matter how old they are. When we were children, we imagined different things and we wanted to be like what we dreamed about. Sometimes our dreams come true but sometimes they don't. Do you have any idea why sometimes you can't make them come true?

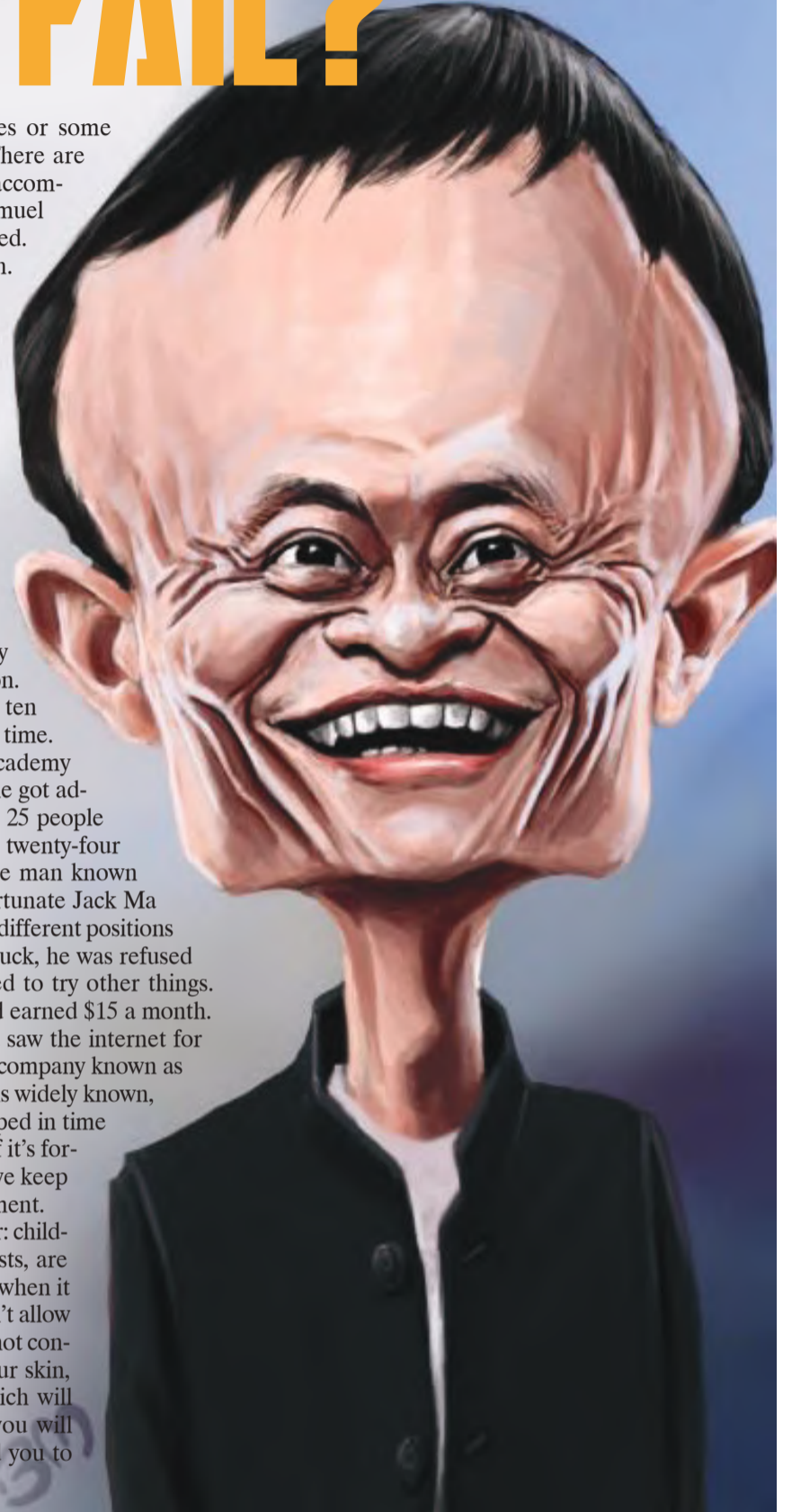
People never reach their goals when they aim too high. Who doesn't want to be an air-bender like Avatar Aang or doesn't want to be what they want in their fantasies? We are the kings or the queens of our imaginations but real life doesn't work like that. It might sound like a crude example but think about a girl who was born with severe facial deformity; it's safe to say that she will never be a Victoria Secret's model. In real life, most boys and girls want to be an astronaut when growing up. However, they soon realize they have to pass a good number of physically and mentally challenging tests like confronting personal fears, calculating numerically and getting a good score in flight lessons etc. They must be the best in their own careers which include engineering, physics, or air force. In the end most people give up and don't even try, only seeing it as a childhood fantasy. So, they proceed to be a regular engineer or something else. In short, we have to act based on the facts; we have to be realistic about our goals.

Don't leave room for doubts when people try to play with your mind like a child plays with their toys. Once upon a time, there was a very famous painter in India known as Ranga Guru, the master of colours, who was mentoring a young painter named Racigi. One day, Racigi painted a picture and brought it to Ranga Guru to get his opinion on it. Ranga Guru said: "You are a painter. The public will now judge your work. Take it to the most crowded square, get a red pen and write: "Please tell me what you think of my work and if you see anything wrong, put a cross on it." Racigi did what Ranga Guru said. A few days later, Racigi went there to see what happened to his painting and to his surprise, it was covered with red paint. The painter was very upset and the crowd had burst his bubbles. He brought it back to Ranga Guru and poured out all he was feeling inside. The master of colors said: "Don't let it get to you and paint a new one. Then put it in the most crowded place again with various oil paints and brushes. Then, put a sign saying: "If you see anything wrong with my work, make it better for me." At the end of a few days, Racigi was surprised to see that not even a single soul touched the painting; it was just the same as he had left it there. As it can be understood from the story, everyone criticises us but when it comes to actually making things right or contributing in anyway, they're nowhere to be seen. This is to say, the most significant thing is to stop listening to toxic people who will only tell you what is wrong but will never attempt to make it right.

With all that said, failure is not only about having unre-

alistic expectations from ourselves or some people trying to bring us down. There are true failure stories but they do accomplish something in the end! As Samuel Beckett said: "Ever tried. Ever failed. No matter. Try again. Fail again. Fail better." There is a good example for this saying. Have you heard of Jack Ma before? He is in the 33rd place of the World's Billionaires list and he has a very amazing life story. When he was 9 years old, he used to get up at 5 o'clock and took tourists to places for sightseeing, completely free of charge. He wanted nothing but to improve his English speaking skills. He decided to start a school but he failed in the first exam. His fate wasn't any different through all of his education. He applied for Harvard University ten times and he wasn't accepted each time. Then he applied for the police academy with 4 other people and four people got admitted but not Jack Ma. Later on, 25 people applied for a position at KFC and twenty-four of them were accepted yet not the man known as Jack Ma. The story of the unfortunate Jack Ma doesn't end here; he applied for 30 different positions in various companies but with no luck, he was refused every single time. Then he decided to try other things. He taught for 5 years in school and earned \$15 a month. One day, he went to the USA and saw the internet for the first time. Finally, he started a company known as Alibaba and the rest is history. As is widely known, he is a billionaire now. We are shaped in time by what we go through no matter if it's fortunate or unfortunate. As long as we keep trying, there's a chance of achievement.

In a nutshell, do yourself a favour: childhood fantasies, as the name suggests, are childhood fantasies, so be realistic when it comes to what you can achieve, don't allow toxic people and their destructive, not constructive, criticism to get under your skin, and don't be afraid of failure which will also shape you into the person you will become and it will eventually lead you to success.



The Mystery of the Bermuda Triangle

According to the Bermuda Triangle legend, many people, ships and aircrafts have mysteriously disappeared in the area. During the previous century, over 50 ships and 20 aircrafts sailed into oblivion in the area known as the Devil's Triangle. The exact number of ships, people and aircrafts that disappeared isn't exactly known. This numerical information changes according to the investigator. What happened to the ships, aircrafts and people are unknown. Most disappeared without a trace.

This area has assumed several names such as the Devil's Triangle, Bermuda Triangle, Hoodoo Sea. Vincent Gaddis, credited for placing the triangle on the map in, Argosy feature, 1964, explained the triangle to be extending from Florida to Bermuda, southwest to Puerto Rico and back to Florida though the Bahamas. Another investigator put the apexes of the triangle somewhere in Virginia,

on the western coast of Bermuda and around Cuba, Dominican Republic and Puerto Rico. The sizes of the areas defined ranged from 500.000 to 1,5 million square miles.

Although it has been taken seriously by scientists, it hasn't been recognized by any official authority to date. The Bermuda Triangle cannot be included in official danger zone lists. The reason for this is that there aren't any visual evidence and writers use exaggerated language when they describe the Bermuda Triangle for the public.

Nowadays, the development of technology has brought logical explanations to the mystery of the Bermuda Triangle. Scientists say that the Bermuda Triangle is related to events happening as a result of magnetism, compass mistakes, gulf stream, human mistake and bad weather conditions.

Do you agree with scientists? Or are there really mysterious events in this area?



Murat Can PİR



Sümeyye YALÇINKAYA

This is one of the most important issues underlined by the German philosopher Friedrich Nietzsche. Nietzsche mentioned this specific concept in his book Thus Spoke Zarathustra. According to Nietzsche, Übermensch is the purpose of mankind. Whatever it is, humanity must transcend itself and become the supreme form. He also states that the present people are located between apes and Übermensch. The moral values in the present world order are highly corrupted. The system is organized by superficial and corrupt people. Unfortunately, the majority are influenced by the Bandwagon Effect or herd psychology. The only purpose of this majority is to eat and drink. It is almost impossible for these people to develop intellectually. Most of them have no other missions other than to maintain the division of labor in the system. But there are also people who are capable of reaching Übermensch. These people are special. They have

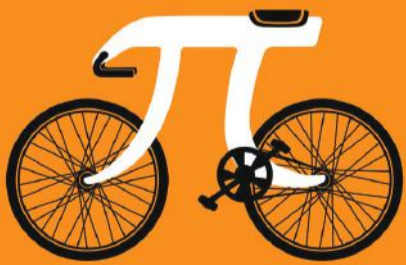
the ability to question all value judgments, norms, systems of thought. These special people are like saviors in this corrupt society. There's only one difference - fearlessness and courage. Übermensch is a fearless and brave human form. It may take centuries to reach this human concept.

On the other hand, Nietzsche opposes the concept of equality. According to him, not everyone is equal. The majority live only to satisfy their instincts, while the minority lives for a sacred purpose. Unfortunately, in this world where ignorance and mediocrity are blessed, no one values these special people. Übermensch must be ruthless and fearless. In addition, Übermensch will build a new moral and thought structure. These special people will re-evaluate everything with different perspectives. This perception will save us from corrupt thought systems.

Unfortunately, there are misunderstandings about this concept. The concept of Übermensch is not related

to biology. It is not used to describe a superior human race. Associating it with Nazi ideology is a superficial and absurd attitude. Innate traits have no significance. The most important point here is "development". Übermensch isolates itself from society and criticizes the imposed perceptions. And of course, Übermensch knows that there is no sense of ethics for everyone. One must build his/her own worthiness without adhering to any common sense to any institution. In short, Übermensch cannot accept unqualified, nonsensical judgments. Übermensch is a kind of creator. It changes and rebuilds all perceptions. I hope that humanity reaches this ideal "Übermensch" level. The slave and herd morality in this system will transfer its place to the individual. As Nietzsche said, "You are alone today! You stand apart! One day you will unite and bring a nation. You will choose a self-selected nation from among you. This nation will emerge as superior-human."

Tolgahan İNAN



THE MYSTERY OF PI

of nature and everything around us, can be represented and understood through numbers." So we can find all of the answers we seek using mathematics. If we understand Pi, we might solve the mysterious of mathematics.

The decimals after the comma reaches infinity and never repeats itself. That's why all of the number combinations are based on this number. How does that work? You can find your telephone number, social security number or everything about your life in Pi. If we change the numbers of Pi into letters, there will be everything we can write or we can think in it. For example, a combination of Hamlet's words must be somewhere in Pi. What a mysterious number! Isn't it?

The other mysterious things about

Pi are "who found it and how was it found?" To give an example, the pyramids, which were built 4500 years ago in Egypt, have this ratio. "How did they calculate this ratio?" This is still a mystery. We learnt more about Pi after the invention of computers and modern technology. "How did the Egyptians use this ratio so perfectly? If you're able to find the answers to these questions, you might be getting closer to solve the mystery of Pi.

In a nut shell, the number Pi is an example of infinity. We can find this ratio everywhere in the universe. Also there is a Pi day on the fourteenth of March and website about Pi. Using this website, you can find which part of Pi has the number combination of your birthday, telephone number etc.

Have you ever thought about infinity? What is infinity for you? There are different ideas about infinity and there is the number "Pi (π)". Pi is certainly an example of infinity. Pi is the ratio of the circumference of a circle to its diameter. No matter how large or how small the circle is, Pi will always work out to be the same number and that number is (3,14159...). In addition, this number equals to infinity.

"Mathematics, which is the language



BENEFITS OF THE 3D PRINTERS

The history of computer printers started in 1938, when Chester Carlson invented a dry painting process he named electrophotography. In addition to this Remington Rand took place in history for improving the process.

In 1953 the first high speed printer was developed by Remington Rand to be used on the Univac computer. Well, what is a 3D printer? And what do people do with it? Machines that transform 3D objects transformed in the virtual environment into concrete objects in a solid form are called 3D printers. They do everything you can imagine. For example, you can make a small copy of yourself, a pair of sun glasses, you can even make a gun! (by the way it is not legal, don't try it.)

A student named Roger Henry designed a tortoise shell that looked like a shield, spending 600 hours (these machines work slow) to save a tortoise's life. This prosthesis, will greatly contribute to the healing of Cleo, the tortoise. It will stay on Cleo for 2 years. We can say that the tortoise is holding onto life now.

It is actually one of the best inventions ever. Unless it is used for bad purposes such as making gun or other hazardous devices.

Well, let's talk about another example, you can make a car with a 3D printer. It takes a lot of time but it is worth it. Local Motors made a debut of their car Strati, at the International Manufacturing Technology fair in Chicago, printed in 3D using this technology. No tools, dyes, patterns or wasted materials, it is as efficient as it gets. Strati is made entirely of carbon fibre, one of the world's lightest yet strongest materials combined with plastic. It took 440 hours to print, and only has 50 parts to assemble to create the finished product.

Strati weighs about 1500 lbs. (680,38kg). A gas powered model is going to be an opinion according to Jay Rogars, CEO of Local Motors. Since it's not a production car, it has a top speed of only 40 mph but it gives a glimpse of the future for the automotive industry.

Elif İrem ESELİOĞLU

90 OSCARS NOMINATIONS

THE 90TH ACADEMY AWARDS CEREMONY

The 90th Academy Awards ceremony, presented by the Academy of Motion Picture Arts and Sciences (AMPAS) at the Dolby Theatre in Hollywood, Los Angeles, California is a routine. The ceremony was televised live in the United States and all over the world at the same time, hosted by comedian Jimmy Kimmel. Actually, this was the second time that Kimmel hosted consecutively, which made him the first person to host consecutive ceremonies since Billy Crystal's appearance in 1997 and 1998.

The Shape of Water got the lead with 13 nominations this year (the most nominated movie after "La La Land" with 14 nominations) and won four awards, including Best Picture and Best Director for Guillermo del Toro. **Dunkirk** followed it with 8 nominations, winning 3 awards and **Three Billboards Outside Ebbing, Missouri** came third in line with 7 nominations at the ceremony. The Academy honoured the best films of 2017 but unfortunately, it was the least-watched show in the Academy's history with 26.5 million viewers in the U.S.

While **The Shape Of Water** won 4 awards at the ceremony, the Best Actress award was received by Frances McDormand for her role in **Three Billboards Outside Ebbing, Missouri** and the Best Actor award was received by Gary Oldman for his role in the **Darkest Hour**. Sam Rockwell got the Best Supporting Actor with his role in **Three Billboards Outside Ebbing, Missouri** and Allison Janney got home with Best Supporting Actress award thanks to her role in **I, Tonya**.

Full list of winners from the 90th Academy Awards;

Best Picture: "The Shape of Water"
Best Director: Guillermo del Toro, "The Shape of Water"

Best Actor: Gary Oldman, "Darkest Hour"

Best Actress: Frances McDormand, "Three Billboards Outside Ebbing, Missouri"

Best Supporting Actor: Sam Rockwell, "Three Billboards Outside Ebbing, Missouri"

Best Supporting Actress: Allison Janney, "I, Tonya"

Best Original Screenplay: "Get Out"



Bünyamin ARSLAN

Herd Psychology in Social Media

New. Young. Cool. These three words define the behaviour of today's new generation. Doing the same thing as others. Taking Vlogs in social media for comments and likes to be popular and losing the notion of being yourself is one of the main problems of social media. Thousands of videos, status updates, photos being shared within seconds are typical. Likes and comments flying all over keep us connected. They say, "Education starts at home" but the primary mission of parents should be teaching their children to stay away from harmful things. Adolescents should be particular with their own behaviours and not imitate others but we can see too many instances where boys and girls upload videos of slime on YouTube, but there is just a minority that talk about its hazards. According to Prof. Dr. Hamit Hancı, if people use slime that contain borax for no reason, they may encounter respiratory problems. These various situations are examples of herd psychology at work.

Herd psychology is the mentality that makes people decide and act based upon other people's actions and behaviors. It is also known as gang or mob mentality because it describes peer influence as a predominant factor in decision-making wherein decisions are largely emotional instead of being rational. Like birds or sheep in a flock, people tend to follow others without much rational thought. We definitely see many signs of this mentality in popular culture where mass media creates, propagates and reinforces mainstream action to the public.

Social media, a prominent form of popu-

lar culture, exercises a strong influence on people. Its users are easily affected and influenced by viral videos. We can clearly see herd psychology here. As a Turkish idiom states "One madman drops a stone into the well and forty wise men cannot take it out." When slime became mainstream through social media videos, we saw people act like and follow each other but it also led to making better slimes with different ingredients. Initially, the majority of people who wanted to make slimes couldn't find any borax to add to the mixture, but some of the YouTubers shared videos using detergent in place of borax. On Instagram, we often see the pictures of the young people with their slimy hands on their faces. We know there's no emotion or no gestures, not even a face on the photo. But they do that because their peers do it.

Moreover, the attitudes of the new generation are changing in ways that arouse conflict and concern that they can make the world worse. That's an issue open to discussion and debate but it depends on the perspectives from which it is viewed. But the most significant thing here is being conscious about the hazardous and non-hazardous things surrounding us. On social media, many adolescents are challenged by their friends to do dangerous activities such as jumping out of the window with an umbrella without being aware of the possibility of injuries. One such video is shared under the title "I challenge my friend to jump out the window with an umbrella". It is a challenge by one to another and this person's friends watch and share the video too. Each viewer gets encouraged by the challenge

and does it without thinking. Many other colourful social media videos embolden others to take up and do different things. Another example is the Tide Pod Challenge which spread on YouTube recently. Tide Pods are laundry detergents that have too many chemicals and thin packaging. Teenagers dared to eat them without being aware of the potential for respiratory problems. Tide pods burn every tissue they touch. We should not eat Tide Pods but it looked like delicious candy and that attracted many teenagers. Others followed those who initially tried it. When it started becoming trendy, popular YouTube channels finally shared about dangers of Tide Pods and created a tide of awareness about the risks and health problems that eating Tide Pods cause. The new videos showed some who were about to eat a Tide Pod but they said "Wait you really thought that I would eat it? No, completely no. I cannot take the health risk of eating that chemical, I know that will be really harmful for me and none of you should eat these things to challenge your friends." This warning stopped the trend. But as we can see in the Slime and Tide Pod cases, herd Psychology affects teenagers as in encouraging them to do what they see or hear in social media without thinking rationally about it.

Consequently, we all should be aware of what's safe and not and should not do anything blindly based on what we see, hear or read on social media. It does not matter whoever we are or wherever they are because what is important is not to be affected by outside forces and influences without thinking.

Best Adapted Screenplay: "Call Me by Your Name"

Best Foreign Language Film: "A Fantastic Woman"

Best Animated Feature: "Coco"

Best Visual Effects: "Blade Runner 2049"

Best Film Editing: "Dunkirk"

Best Animated Short: "Dear Basketball"

Best Live Action Short: "The Silent Child"

Best Documentary Short: "Heaven Is a Traffic Jam on the 405"

Best Score: "The Shape of Water"

Best Song: "Remember Me" from "Coco"

Best Production Design: "The Shape of Water"

Best Cinematography: "Blade Runner

2049"

Best Costume Design: "Phantom Thread"

Best Makeup and Hairstyling: "Darkest Hour"

Best Documentary Feature: "Icarus"

Best Sound Editing: "Dunkirk"

Best Sound Mixing: "Dunkirk"

Fatih Mehmet YILMAZ

HOW CAN WE BEAT SICKNESS WITHOUT SURGERY?



Utkucan SERBEST

Nowadays, lots of people have different ailments because they don't take care of their own bodies and they always push themselves too much. Generally, people working in their offices have sicknesses caused by immobility at work. It's a current problem but how can we beat it? Can we beat it without surgery? I think we can because our body can act as our own doctor, in other words, our body knows what it needs and reacts accordingly to make up for any deficiencies. There are many reasons why I believe that we can beat sicknesses without surgery, namely, doing regular exercises, having a positive way of thinking and a healthy diet.

Firstly, in my opinion and according to many scientists, we can solve some problems by exercising. We can also fix our posture problems with sports, but how does this happen? To illustrate, our body works like a machine and sports makes us move. Without movement a machine cannot function for a long time. You should lubricate the machine so that

the machine can work like a new one. There were some exercises discovered many years ago that act like a machine oil. With those exercises we can flex our joints and it is good for our lifestyle but what kind of exercises should we do? There are different exercises that we can do for various types of diseases but you should know your problem first and then you can find an exercise that fits you. For example, hernia is the most common problem nowadays and some people think that they cannot do any exercises if they have hernia, but it's not necessarily true. Dr. Edwin Flatto of the National Health Federation says that "Hernias are generally caused by weak abdominal muscles and are hardly, if ever, caused by heavy lifting or exercise". Many doctors say it's possible to exercise with a hernia and some exercises can even help a hernia to heal without surgery.

Secondly, in my view, we can treat some of our illnesses with positive thoughts. A person who is positive can do

everything they want. For instance, lots of people beat cancer with their positive thoughts, continued medical treatments and support from family and friends, but how have they done it? Our brain works like a kid. It always wants to be happy and if it is happy it releases our good hormones and these hormones can be very helpful for the body to function properly. I think everybody should have a positive attitude towards life for this reason.

Thirdly, healthy foods help protect our bodies and strengthen its immune system from ailments because many foods have lots of vitamins and minerals. Those vitamins and minerals can protect your body from illness. According to many doctors, we should try to be healthy for good and long lives.

To sum up, from my perspective, if we don't want to lose our health we should be positive and we should exercise. Finally, I would like to quote ATATÜRK's famous statement "A healthy mind, in a healthy body."

RANDOM MUSINGS ABOUT LOVE

Life is emotions. Live them.

Love as much as you can. Let all your worries go. Forget about what people are saying. Leave your prejudices behind.

Love is important in our life, because this is all you have in life. Do not be afraid of it because that is what you need. You need to be loved too. Open your heart without hesitating. Things get uglier when you think too much.

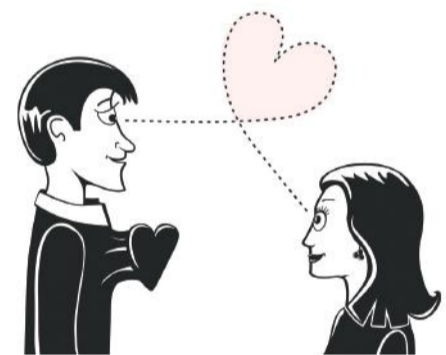
Do not hide your emotions because everyone hides something and we share nothing with each other. Love is the purest thing of all.

When you see a cat, pet it. Say hi to the old lady passing by. Tell your father that he is your hero. Hug your best friend.

And fall in love. Fall in love with someone who can make you happy. Be happy because he/she is there, and you are there too. Look in his or her eyes and say that you're in love.

Be happy with your own small world and be happy with all these little things.

Merve TOPCUOGLU



DO YOU BELIEVE IN LOVE? ARE YOU EXCITED ABOUT FINDING IT?

This question is very important to me: Do you believe in love at first sight?

It's always exciting to hear those words. I wanted to find out who believes in love at first sight and who doesn't, so I asked some people these questions.

I'll never forget what a person told me one day, "I have a girlfriend, and I feel she is the one for me when her eyes flash back at me." I liked his words.

For me, love is an abstract concept. I think, love is based on trust, shared experiences and values. Love takes time to develop and you fall in love slowly.

Now it's your turn! Do you believe in love at first sight?

Seda PERK

Demet KOŞAK

WHAT IS MINIMALISM?

Being a minimalist means focusing on things that are really needed instead of just wanted. It also means less attachment to material things. For example, you want to buy something but do you really need it? You must first think whether you can live without it or not. On the other hand, maybe it's a popular thing and you thought you really should buy it. Which one?

The Benefits of Minimalist Life

Doing with less helps people breathe

When you start to get rid of things from the drawers, closets and rooms, you are going to be opening up more space in your home.

There will be more room to move around.

Less stuff equals more money

As you get rid of unnecessary stuff and luxuries in the home,

other things are opened up. When you have fewer things you can use your money to pay off debt and that will eventually free up even more money.

You have more time

When you need less money, you do not have to work as much. That frees up time. You are also not going to spend as much time dealing with all of the extra things in your life. You can focus your time and use the extra time on the things you truly enjoy.

What can you do?

Clear your wardrobe

Check your wardrobe closely and identify what you can donate to charity, what you can sell or give away, and what you actually use.

Trim your wallet

Take out all the cards in your wallet and go through what is needed on a regular basis.

Less social media

Try a week or so without social media and see how you feel. You'll be surprised how much you don't miss it!

No sugar in your coffee or tea (in turn less coffee, tea)

Have coffee without sugar and after about 3 days you start to enjoy its pure taste.

You will drink less coffee too because you will stop craving for sugar.





RED PLANET

Is there any trace of life on the nearest planet Mars? This is a question that has been asked since Apollo 11 returned to the world.

NASA has done a lot of research on this subject. Unmanned vehicles were sent to Mars, sample rocks and rock fragments were collected, and space telescopes were used to monitor the planet for many years. However, we still have not found a complete answer and it's probably because we haven't really been able to get there. But all the researches and studies that have been made so far show that Mars has many things in common with our Earth. What are these similarities?

The first similarity is Mars' atmosphere. As we know, in order for a person on any planet to live, its atmosphere must be in harmony with the needs of man. However, Mars' atmosphere is more intense than the atmosphere of our Earth. It shows that Mars is not a place for people to live in. According to some theoreticians, thousands of years of explosions in the sun over the years have thinned out the thick atmosphere of Mars and destroyed life on it. Mars' gravity is 38% of Earth's gravity because of the thin atmosphere. It affects the planet's weather conditions in a negative way. On March 3, 2017, NASA observed a sandstorm. It was such a big sandstorm that it was twice as big as the American continent. It caused serious physical changes on the planet. A similar storm of the same mag-

nitude was experienced again after one week and caused more changes. NASA researchers have said that these kinds of weather conditions constantly affect the planet and that Mars' physical condition is different from thousands of years ago. There is also methane gas on the planet. Methane gas which comes out from soil or living bodies is a type of harmless fuel that can be used as a source of heat and energy. However, due to the planet's atmosphere, the methane gas is not likely to come out from soil. It shows that an ancient species on the planet could have formed it. Of course, we are still looking for answers on what kind of life it really is and what it looks like.

Another similarity is the structures on Mars. We all know the Giza Pyramids in Egypt and the Keops Pyramid is the oldest of the world's Seven Wonders that remains intact. There are some who believe that it was made by aliens and those who believe that it was built by people as monuments to the Pharaoh. But the strange thing is that similar structures have been captured on the surface of Mars. But this is not surprising because every ancient civilization has left similar structures. The Aztec and Maya civilizations have also built temples and pyramids in phases. It is strange because there is a lot of physical similarity with the Keops Pyramid. This raises one more question - is there a different civilization in space that came to Earth to build these pyramids given

that technology has not progressed so much during the Ancient Egyptian period? However, NASA asserts that this structure was shaped by Mars' weather conditions.

There is also metal sphere on surface of Mars that appears to be in the image of NASA's unmanned Mars expedition vehicle and whose origins are unknown. It is thought to be completely handcrafted and unnatural due to the smoothness of its surface. Similar spheres of the same size and smoothness were found in excavations in Bosnia and Herzegovina. Conspiracy theorists surmise that a different civilization that came to both Mars and the Earth left these spheres. But these remain as theories and conjectures because they haven't been proven. But according to NASA research, these spheres in Mars are thought to be meteorite remnants. In fact, the same researchers contend that the structure can only be confirmed as such or not upon closer examination where they can see the sphere's exact surface.

Another similarity is the vegetation and life on Mars. In 2013, a plant fossil was discovered by the Mars exploration vehicle. The plant's physical structure is similar to the plants on Earth. Assuming we plant the same plant on Earth, the plant will survive. Aside from the fossil plant, what appeared to be a creature's skull was earlier found. Although NASA claims that images in the rocks could be due to the cam-

era effects, it was determined that the skull resembled a bird's skull but larger than the birds on Earth. Other fossils like a petrified spoon was found by another exploration vehicle in 2015. The close-up photographs show that the stones found on the spoon were formed over time due to the planet's climate.

Although there appears to be many similarities from these examples, most of them are unfounded or unproven. Since the conditions on Mars resemble some of those on Earth, NASA plans to set up a colony in Mars by 2030. While it aims to create a congenial environment to live in, they will try to understand how the species have changed and vanished by studying what is on the surface. Many theorists argue that because of the explosions in the Sun there are no living species while another view is that everything on the planet has been destroyed by a nuclear explosion and the ashes of the destroyed creatures, structures and vegetation have remained as red dust on the planet. The red soil of Mars which we call the 'Red Planet' is actually a layer of its soil and the actual soil cover is under the red soil. As you can see, we can only learn the truth, confirm NASA's findings and prove many other theories when we actually can get there to examine and study them more closely.

Faikcan SİPAHIOĞLU

THE ELDER SCROLLS 5: SKYRIM

Many people call this game Skyrim. The Elder Scrolls 5 is one of the most loved role playing games in the history of games. The most loved part of the game is its freedom which allows the player to do whatever they want to do, when and how. This game also has a large open world packed with quests to accomplish. These quests range from full action battles with a variety of enemies to quiet and slow but intense stealth ones. Also the game has good and tempting music which let you immerse yourself in the game easily. Some of this music has even become a symbol of game culture like the theme of this game: Dragonborn.

Most of the role playing games have their own open worlds but Skyrim distinguishes itself by creating a living world at least for its time. While you are wandering around and trying to complete your missions you can encounter many different events such as a war band attacking another band or a man taking his cattle to a giant as a gift or an old orc seeking a peaceful death because in his culture this is the right

way. This digital map is stuffed with different cultures and different races and these races can give you different quests depending on their culture. As I mentioned before, an orc may wish to die in a glorious fight or an Argonian might want you to collect some gems so he can craft a bracelet and use it to marry his girlfriend. Maybe you will come across a nord, who are residents of the land of Skyrim, and he might ask you to assist him to enter a catacomb in order to retrieve his dead aunt's necklace because it has sentimental value to him. As you can see, this world has lots of different cultures and places to discover, many quests to complete and many people to interact with.

Another reason this game still attracts people is it let you build your own way. You can be a wise wizard, you can be a powerful warrior, you can choose to be a thief who is as silent as a shadow or you can be a Jack of all trades because this game does not have a class system. You do not develop your character according to a development chart. Your abilities improve

as you use them just like in real life. In addition, this again is good for an immersive game because your character is growing powerful depending on your play style as you play the game. If you like magic and alchemy you can join some magic related factions like Collage of Winterhold. If you want to be a bad character you can join a thief faction or an assassin clan named Dark Brotherhood. Maybe you like a warrior, then join Companions but choosing one of them does not mean you cannot join another one. You can join and learn about all of them. The game does not tell you to follow a straight road. You can choose your own style or even mix them. Shoot magical arrows as an assassin, wield a powerful hammer yet do not make a sound or protect yourself from fires with a magic barrier while swinging a mighty sword. This freedom is one of the things fans of this game like about it.

Despite every beautiful thing about this game, it is certain that Skyrim is old. Skyrim was released in 2011 and since then game technology has

changed and improved. It suffers from technical problems like old movies such as the original Star Wars trilogy. Compared to our time those movies have old visual effects. The same problems exist in this game. The graphics of Skyrim was surpassed a long time ago and now you can see life-like graphics and animations such as the ones Uncharted 4 has. Moreover, the game suffers from mechanical problems like errors and bugs. When it was released there was no problem but now time has changed and the game has got old. The creator company of Skyrim, Bethesda released a remastered version of the game but it was a lazy work and it actually did not improve anything.

So this is an old but gold type of game. It suffers from technical problems but this does not mean it is a bad game. Still many people are playing this game thanks to its mod community. If you ever want to dive into a fantasy world The Elder Scrolls 5: Skyrim might be the one you are looking for.



Mahmut AKGÜN

CORCI



Why do children need toys? Children always want to explore and spend time playing with toys. It improves children's imaginations and creativity. For this reason, every child should play with toys. Although parents can't trust all toys because some are poorly made and have carcinogenic substances, it is still worth playing with them especially when children are sick. Toys can make them happy and feel good.

I had a very difficult illness in my childhood. I had the measles and that's why my father bought me a teddy bear to make me feel better. It was my favourite toy. When I first saw it, I could not think of a name for it. Then after a little thought, I wanted to name it Corci. Corci was a medium-sized bear made of cotton. He was very tall, wide and was brown and white. He was a teddy bear that could talk and along with

its speech, it also told lullabies. Corci needed two batteries to do all these things.

Corci had a big stake in my recovery from measles. I spent a lot of time with this bear because I couldn't play with my friends due to my illness. I told him all my problems, what I wanted to do and what I dreamt about. He was like a best friend who comforted me and made me happy. Thanks to my bear, Corci, he made every difficulty I experienced because of the measles seem very easy. When my measles was finally over, I continued playing with Corci. I still keep Corci at home because I love him.

Hakan DARAK

JUSTICE?

Mustafa HABİBOĞLU

Some people are suffering from obesity and some other people are suffering from hunger. Isn't it strange?

We have been living on this planet for thousands of years and we have created our laws. These laws create our financial, political and social systems. BUT, there is something wrong about it. The problem is, we don't have justice in our world. It's a fact that unfairness and injustice exist on the planet and we have to struggle with it.

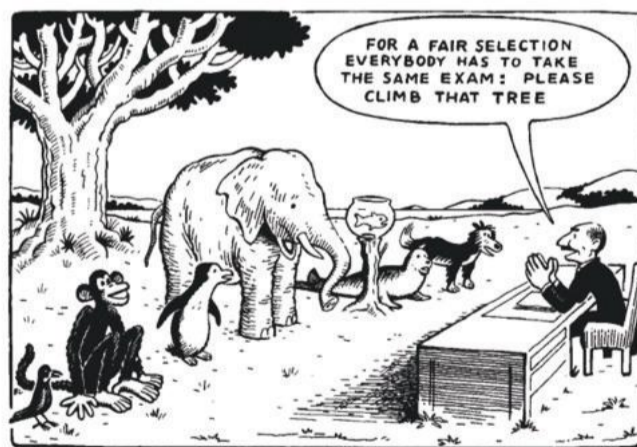
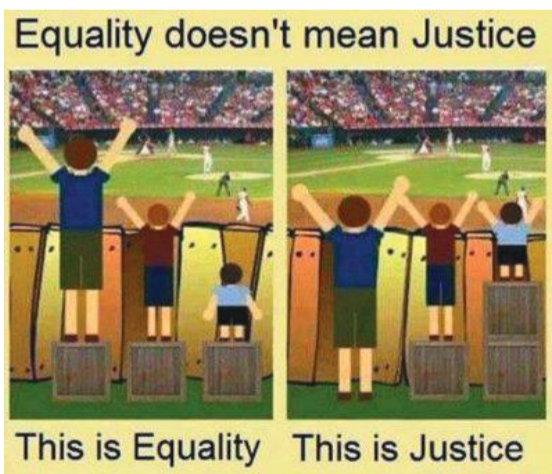
Let's check some figures. We are going to analyse the research done on January 2016. Let's face reality - the world's population is currently 7,396,132,410. The richest group in that population which includes 358 people have the best conditions in their lives. These people's earnings are equal to the earnings of 43% of the world's people. Yes, you didn't read that wrongly. Think of it as two meals. Both of them have the same meal but one of them has 358 people who share that meal while another one has 3,919,950,178 people sharing it. This is enough to embarrass us because each one of these rich 358 people can feed nine million people. Why then do we still have a huge rate of hunger? Let's look at the other data:

- There are almost 200 countries in the world and the richest three people's earnings are equal to the poorest 50 countries' (includes 2.5 billion people) earnings.
- The richest 500 people's earnings are equal to the poorest 170 countries' earnings.
- If the richest 10 people in the world spent all their money on charity, the poorest 1 billion people could live based on European standards (on health, education, shelter, food etc.) for 250 years.
- Let's check out Africa. The African continent has the most valuable mines in the world. BUT there are only four millionaires there.
- 2.4 million people are not able to drink fresh water because they don't have it. If we want to provide fresh water for all of them, it would cost 10 billion dollars. I want to remind you that WhatsApp found a buyer who offered 19 billion dollars.

Maybe you are shocked or you don't believe it but it's time to face this reality. Most people around us think that they are not rich. The reason is that they always watch wealthier people. If they checked the other side, their feelings would completely change. Let's determine whether we are rich or not. If you are able to protect yourself from hunger for three weeks, it means you are member of the richest 15% group in the world. The rest are not as lucky as you. Ask yourself again if you are rich or not if you compare yourself with the world.

Equality and Justice

There is an important point that is misunderstood by many people. Most of them assume that equality and justice are the same thing but they are completely different. Equality might be unfair sometimes but if we talk about justice, we can be sure that it won't be unfair. For example, think about the jungle. They want to choose their king and they have to determine who will be the king. But the challenge is crossing the river. The fastest one will be the king and equality talks in that jungle. There is a monkey, a dog and a bird. All of them want to be the king. BUT, is crossing the river the same for all of them? That's nothing for the bird but so hard for the monkey or the dog. This shows that equality doesn't always bring justice.

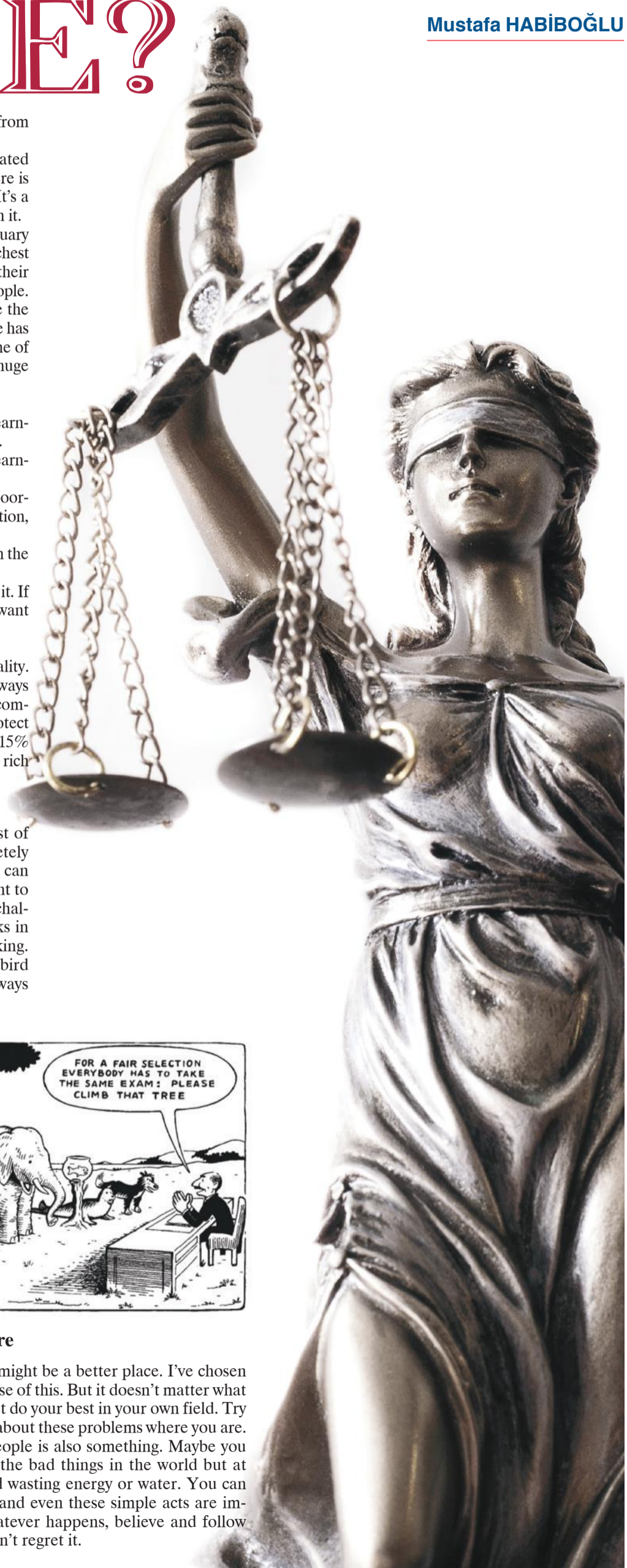


You also can see more examples here

What Should and Can We Do?

While all these unfair things are happening around us, what should we do? Or what can we do? Everyday 60,000 people die because of hunger. Who will stop this situation? Poor people are becoming poorer and wealthy people are becoming wealthier and because of this, the cliff is growing. Where is humanity going? What will happen at the end of that road? There are many questions for innocent consciences but never think that we cannot stop. If we believe in ourselves, if we try to prevent such situations decisively and never

give up, the world might be a better place. I've chosen to study Law because of this. But it doesn't matter what you study or do, just do your best in your own field. Try to raise awareness about these problems where you are. Even reminding people is also something. Maybe you cannot change all the bad things in the world but at least you can avoid wasting energy or water. You can help these people and even these simple acts are important steps. Whatever happens, believe and follow JUSTICE. You won't regret it.





HOW CAN YOU LEARN A LANGUAGE EASILY?

In our century, many people want to learn a new language because their native language is not enough for major companies. There are many reasons why I believe that you can learn a language easily. If you ask me, you would have four unbreakable points like 4 elements. You can learn any language by studying, repeating, producing and most importantly by believing.

Firstly, in my point of view, if you want to learn a language, you should study but what should you study: grammar, vocabulary or pronunciation? Which one should you start with? For instance, let's say you want to buy a car and you buy it. First, you should get a driver's license right? It means you should learn vocabulary and then you have to practice on your own so it means you have to learn grammar because without grammar you cannot use the language and the last step, you should be part of the traffic, you have acquired the experience. Now, you are ready to speak.

Secondly, in my opinion, you should repeat what you have discovered until now. How can you repeat your discoveries? To illustrate, let's say you are a blacksmith and you want to make a helmet but your metal is not a good one. How can you make it a good one? First, you should melt the metal and then you should hammer it on your anvil then you can make a really good helmet. It means, your knowledge is raw so you have to repeat it every day. Don't forget 'Practice makes perfect!'

Thirdly, in my own words, most of us live in our countries and we can use our native language instead of another language in our country,



Ahmet Ali KORKMAZ

SOFTWARE

Its Place in Our Lives

In 1800, Alessandro Volta invented the electric cell. Camera, phone, gramophone, light, radio, telegraph, computer and more inventions followed electricity. Then -probably- one asks, "Why don't we put all of these together in one machine?" He did what he wanted which became the basic version of fourth generation computers which currently require software. Then, what the developer needed to run all of these components properly was software. Software allowed us to use all kinds of computers and now we are bound to it because we are bound to computers. When we talk of computers, do not think only of desktops or notebooks, there are lots of other appliances apart from these like phones, energy systems, refrigerators, transportation etc. To understand the importance of software, we should discuss the place of software, what happens in case software stops working and the future of software.

Do you remember old remote controls of TV? Have you ever tried to dismantle it? They included several components like condenser, resistor, physical keys and more. If you try to dismantle it now, you will see only one piece because all functions are directed from one point thanks to software. The piece is named embedded computers. It

is becoming more popular day by day. Another example is cars. When a driver steps on his car's accelerator, pressure is not transferred with physical interaction because there is no mechanical link from the pedal to the throttle. Instead you are giving a command to a piece of software that decides how much air will be given to the engine. Also you can think steering wheel and other pedals like keyboard keys. Every technology is connected to software.

What about the non-existence or failure of software? In America, 11 million citizens called 911 service and they got a busy signal for six hours because of a software failure which set connection between service and callers on April 10th, 2014. Once, a woman dialled 911 at least 37 times while a stranger was trying to break into her house. When she finally reached the living room crawling, she picked up a kitchen knife and the man fled. Another example is the Bookout case. In September 2007, Jean Bookout was driving on the highway with her best friend in a Toyota Camry. When she stepped on the accelerator, it seemed to get stuck and did not slow down. She pulled the emergency brake but it was too late. The car skidded 150 feet long, hit the embankment. After a month when she woke up in a hospital, she

found out her friend had died in the car. So, we can see how software is important, right?

After this sad event, let me tell you what awaits us in the future. It is predicted that fifty million devices will have been connected to the internet and to each other in 2020. Yes, I am talking about the Internet of Things. You must have heard it. A lot of devices are developed already. For instance, Nest allows you to control the heat inside your home from outside, Hapifork is a fork that warns you when you eat too much, August is a lock that recognizes you and opens the door even if you forget your keys and the most popular Smart Things that control homes via direct commands and carry them out. It could prepare your coffee before you wake up if you like or it can call your driverless car to come in front of your house. And it goes on.

Computers, its components and codes could change in the future. The thing is software will be adapted and continue to be important. The renowned Dutch computer scientist, Edsger Dijkstra, wrote about software in 1988, stating "He has to be able to think in terms of conceptual hierarchies that are much deeper than a single mind ever needed to face before." It eases the complexity that a single mind can never handle.

right? Because of that, you won't be able to speak another language. If you want to learn a language, believe me, YOU HAVE TO USE THE LANGUAGE LIKE YOUR OWN LANGUAGE. This means, instead of using your language you can use the target language, even at home, even with your family if they don't know the language you can use your body language but REMEMBER,

while acting, you have to speak!

Furthermore, all I know is that you have to believe in yourself then everything else comes along. Just try to repeat to yourself 'You can do it. You did lots of things before. You are not here for nothing. You came to the world to do something good'. Everything starts in your mind and everything ends in your mind!

To sum up, personally, without doing anything you cannot learn a language so you should do your best, try to do your best like Steve Jobs says "If You Are Working On Something That You Really Care About, You Don't Have To Be Pushed. The Vision Pulls You."

Utkucan SERBEST

BORDERLINE PERSONALITY DISORDER

Borderline personality disorder (BPD) is defined in the fourth edition of the Diagnostic and Statistical Manual of Mental Disorders as 'an unstable model of interpersonal relationships, self-awareness and influences, as well as marked impulsivity, which start in early adulthood and are found in various contexts'. It is also described as an emotional disorder. Life for those with borderline personality disorder and those around them is very overwhelming.

The BPD patient thinks either black or white and they cannot think of any other option. The patient is characterized by extensive instability in the mood, interpersonal relationships, behaviour, self-image, identity and deterioration in the individual's self-esteem.

People who are diagnosed with BPD are both in an externally and internally confused world. They often have sudden mood changes and it is difficult for them to regulate their emotions. They distort their self-image and feel basically worthless, bad, and damaged. Borderline people with impaired personalities yearn for a loving relationship but usually anger, impulsivity, stormy passion and frequent mood changes lead them elsewhere. The inconveniences experienced by those with borderline personality disorder have a wide negative effect on many or all of the psychosocial aspects of life such as employability and relationships at work, home and social settings. Moreover, those with this disorder can be excluded by society because of their behavior and mood. People with borderline personality disorder have highly reactive, intense mood and impulsive behavior with unstable relationships. Although suicide rates among people with this disorder are high, the goal is not suicide. A person with BPD experiences depression, anxiety, or anger more intensely and which may last for a shorter period from a few minutes up to a day compared to someone with depression or bipolar disorder. These may be associated with self-harm attacks, impulsive aggression, and malicious use of drugs or alcohol dependence. Long-term goals, career plans, jobs, sexual identity, sexual orientation, friendships and values can be steered by difficulties and self-esteem in the field of cognition. Sometimes people with this disorder see themselves as bad or worthless. People with this disorder have very uneven social relations patterns. While they can develop intense and stormy relations with their family, friends and loved ones, idealisation can turn into a decrease in value. People with borderline personality disorder experience a deep fear of abandonment, especially in association with family members, friends and health professionals, as well as spouses. They want to leave more than to be abandoned because these kind of people do not want those whom they abandoned to be in a relationship with anyone. They do not abandon the people they are with until they believe that person is addicted to them. Because the aim of this abandonment is to destroy those people who are in a race for social acceptance and afraid of being rejected. Even in a sincere relationship, they feel lonely. For this reason, managing the ups and downs of a romantic relationship is fairly difficult. Suicide attempts or self-destruction can occur due to the rage that exists alongside abandonment or disappointment.

Personal disorders probably stem both from environmental and biological factors. Researchers generally believe that borderline personality disorder is caused by biological and genetic susceptibility, environmental stress, neglect experienced during childhood or abuse and the maturity process in adulthood or puberty. Additionally, experts claim that the difficulties with the regulation of worries and moods of borderline personality disorder can be hereditary. They may be more defenseless to loss or more susceptible to stress. Some studies on twins and families suggest that personality disorders may be inherited. Some researches show changes in certain areas of the brain related to emotion regulation, impulsivity and aggression. In addition, some brain chemicals that help regulate mood, such as serotonin, may not function properly. It is not so easy to treat this complicated disease. Borderline personality disorder is one of the most difficult diseases to treat among psychological disturbances. Some therapists do not even want to treat these patients because people with this disorder are as inconsistent with their therapists as they are with everyone around them. Moreover, patients refuse the therapist as soon as they realize that the therapist is going to reject them.

Developments in recent years have led to borderline personality disorder being defined as a non-treatment disorder because the treatment is not easy. The rate of incidence of borderline personality disorder has been observed to be 1-2%. In the treatment of borderline personality disorder, psychotherapy is preferred over medication as this is the most effective way to treat it. However, patients applying for psychotherapy should believe in themselves. It has been observed that the healing process can take 4-5 years.

Osman Emin TEK

OROONOKO

In Oroonoko, which was written in 1688 by the English writer Aphra Behn, we read about the topics such as social order, slavery, human feelings, and betrayal. The author describes the struggle of a Coromantien slave and the difficulties of life, and this novel is often interpreted as it narrates the perception of history and the social structure of society.

Oroonoko is an African prince who the writer thinks has superior characteristics.

Another character, Imoinda, is a beautiful African woman whom Oroonoko falls in love with and then gets married to. The author describes Oroonoko as a Roman, except for his skin colour; because Oroonoko behaves like a Roman and he admires the Romans. Also the writer talks about her admiration for him; "His face was not of that brown rusty black which most of that nation are, but of perfect ebony, or polished jet. There could be nothing in nature more beautiful, agreeable and handsome."

This novel is obviously about colourism, racism, discrimination and social structure of society. Upon reading the book, I can say that the writer does exactly think that racism, discrimination and social structure of society are very real.

The author defends different opinions about these topics in some parts of the novel, which does not make sense to me. As a result, I cannot decide where she stands.

One should pay attention to certain sentences by the author, because one will have a clear view of the meaning of the story. For example, the author compares Oroonoko's specialties with other people's skin colour, skills and ability.

This novel was written to capture the complexities of social structure.

At also considers the act of purchasing people, their emotions, lifestyles, choices, and the reasons behind it all.

The main topics are slave ownership, military order, innate abilities, and compassion.

The book provokes in us feelings such as mercy, empathy, judgement...



Sevgül DEMİR

PENGUIN CLASSICS

APHRA BEHN

Oroonoko



THE WORLD ITSELF IS AN ALGORITHM

There are running instructions in the background when shopping, going to school, making a cake, even visiting a website so we all create an algorithm unconsciously in our daily lives. Have you ever thought about how a smart phone can recognize a human face and place a frame around it? It is in every area of our lives and it's called an algorithm. We can simply define an algorithm as clearly defined steps that are defined to do a job and that have a specific beginning and end. For example, when driving through traffic lights, we follow the steps as below:

- Step 1: Start
- Step 2: Look at the traffic light.
- Step 3: Is the traffic light red?
-You go to step 2.
- Step 4: Is the traffic light yellow?
-You go to step 2.
- Step 5: Is the traffic light green?
-You go to step 6.
- Step 6: Pass
- Step 7: Stop

Actually, the example above is quite simple. The algorithm is the interaction between mathematics and technology. The algorithm is older than computers and the oldest is the

Euclid algorithm - the greatest common divisor.

Algorithms are used for mathematics and other problems and have become a tool that guides us nowadays in different fields. For instance, when listening to music on YouTube or shopping online, have you noticed that the suggestions are based on your taste? Google, the most popular search engine algorithm of all, has this fabulous system that finds us what we want when we type a search term. As one scientist put it, "Algorithms rule the world." This whole working system is made up of the sort and PageRank algorithms. PageRank looks for two things. It looks for the incoming links to a webpage, that is, the other pages that link to the page, and it looks at how important those pages are. Thus, the sorting algorithm is activated and a variety of results are obtained.

Google describes "PageRank as the system that PageRank relies on the democratic environment of the Internet when deciding on the value of individual pages. Google accepts a link from page A to page B as the vote given by page A on page B. The PageRank value of the page is important in this regard. It compares the

content of the Google-rated page and its content to the content of the page being voted on. High-quality sites get high PageRank value. Google keeps track of every page on your site with search robots. Of course, high-quality pages do not mean anything if the keywords searched do not match. The page needs to answer the words. Using Google text-mapping techniques, your search is trying to fetch the most appropriate page. Google also checks the consistency of the homepage with all pages within your site. Google constantly updates technology to bring you the best and most reliable results."

Briefly, algorithms are available in our lives from the simplest to the most difficult ones. These systems simplify our work and make it easier without us being aware of it. By moving step by step, we minimize errors. From the applications we use, the alarm we set to wake up in the morning, algorithms are in our lives if we have to decide something. Actually, the world itself is an algorithm and is always in service for us in case we look for answers when we get lost.

Kübra BULDUK

AIRPORT ARCHITECTURE

In the world, architecture is going up day by day. Every building has some specific properties but airports are different because they are so big and complicated. Lots of architects and engineers work together and it takes a long time to design and build an airport.

In what way are airports different from other buildings? First of all, an airport design is very complicated. An airport is a big compound with separate buildings which have different facilities such as hotels, shopping areas, food areas, a health zone etc. These special units affect the de-

sign as they need a big area and their fields and volume are also big. Security is also an important issue for the airports. Lots of security zones are required.

Istanbul has two international airports, Sabiha Gökçen Airport and Atatürk Airport.



ISTANBUL GRAND AIRPORT

The government has recently started the Third Airport Project in Istanbul. Its name is Istanbul Grand Airport. When it is finished, it will be the biggest airport in the world. It will have a very big passenger capacity. For the architectural design of the Air Control Tower, they have also organized a competi-

tion in which lots of companies have joined. Aecom/Pininfarina's design has won it. The company used a tulip figure for this design. It is simple, flexible, comfortable, attractive and sustainable.



IGA-Istanbul Grand Airport with Numbers

- Its capacity is 150,000,000 passengers
- The biggest terminal building 1,300,000 square meter area
- When finished, it will have 6 runways
- They will have 400 foreign and local companies for shopping
- The biggest Duty-Free area will be here
- Its car park capacity will be 24,000 and this car park will be the biggest in Europe

Osman ÇAPUTCU



QUESTIONS ABOUT CAMP NOU

Who is the owner of Camp Nou?
Its owner is Barcelona FC. Its long name is Football Club Barcelona. LaLiga, the first football league in Spain, plays here.

When was Camp Nou built?
It was built in 1957 and it was opened on 24th September 1957.

Where was Camp Nou built?
It was built in the city of Barcelona in Spain.

What is the capacity of Nou Camp?
Its capacity is 99,354 people. The stadium's maximum height is 48 metres, and it covers a surface area of 55,000 square metres.

What is the meaning of Camp Nou?
The correct name is Camp Nou. Actually, in Spanish, its official name is "Estadi del Futbol Club Barcelona". Local Catalan people use this name. Sometimes outside Catalonia people say Nou Camp and some people know it as Nou Camp. It means "New Field".

Who was the architect of the Camp Nou?
Stadiums are not simple buildings. They contain lots of different areas. Because of this, Nou Camp was designed by lots of architects. These are Norman Foster, Francesc Mitjans i Miró, Josep Soteras Mauri, Lorenzo García Barbón and the last is Giulio.

Camp Nou is a really big stadium. It's ranking is the first in Europe, where it is also the largest stadium. It is the largest. It is in the top list in the world.

It has lots of access zones. Totally, it has 21. Lots of people can come to Camp Nou easily. It has different kinds of transportation, like metro, etc.

Metro Stations are to Palau Reial, which is metro line 3, Maria Cristina, metro line 3, Les Corts, metro line 3, Badal, which is metro line 5, and lastly Collblanc.



Osman ÇAPUTCU

AYDIN Young PENS



Neslihan YÜKSELİCİ

SCHOOL NEWS

In IAU English Preparatory School, there are always many events which are organized throughout the year. Here are the ones we have had this year:



KAHOOT IT!!! TOURNAMENTS

This year we have had one of the most challenging Kahoot tournaments with so many students attending as participants as well as spectators, supporting their classmates.



DEBATE TEAMS!!!

This year for the first time in our Debate history we included A groups in school debates. Our students and Debate coach advisors have done a great job debating about "Love vs Money / Grammar vs Skills / Siblings vs Only child" so far. Classmates have shown great support for our debaters, who were very well prepared for the questions that came during the event.



KERMES-CHARITY BAKES

Every year our Social Events Club organises a fun day for both our Degree and Non Degree groups for a very important cause. Students and teachers join forces and pitch in for the collection buying edibles from our displays, which will add to the scholarship fund for students who cannot afford the TOEFL fee. This year we had two band performing at the event which doubled the joy.



DARDANELLE VICTORY & MARTYRS DAY

Our Social events club has been organizing memorable events on every special day. The March 18 Dardanelle Victory & Martyrs Day event was one that brought tears to everyone's eyes with the message and heartfelt performance by our students. The feeling of unity and sacrifice was delivered so well that we felt as though we were at the war front more than a century ago.



ARIES

Aries are very fond of themselves and they are so self-confident. They are lively and energetic. They always look for excitement and adventure. They are also courageous. No matter how difficult the situation may be, an Aries will take the challenge head on! Aries like leading roles and ruling things or people around them. This summer, you will have a wonderful romance. Plus, it will be a very lucky period of financial affairs for you.

GEMINI

Gemini represents two different personalities. They constantly change their mood during the day. They have an overwhelming sense of curiosity that they cannot get over. You will have a great holiday this summer.



CANCER

Cancer who are known to have emotional personality will shed tears of happiness this week. It will be a week for you to spend a lot of time with your friends. It is time to discover new places. Enjoy the week!

LEO

They are known for their pride and courage. They have impetuosity and they act instantaneously on their own decisions. I recommend you to keep calm. Because luck is always with you.



SAGITTARIUS

It is believed that this horoscope represents fairness. The Sagittarius that has a high positive energy is very popular among their friends. You can make a plan for this weekend to spend time with your friends.

CAPRICORN

The Capricorns who are workaholic are very successful in managing time. So they succeed in business life. However, you should be careful these days as you may be overwhelmed by working intensively. You can do yoga to relax and feel good.



AQUARIUS

They like to keep their energy high despite having a shy personality. You can have a new job interview these days. Probably, the result will be positive. Don't lose your energy because you will need it.

PISCES

They like living in their own inner world. They like to dream and have high hopes. They never lose their hope. Friends are very important for Pisces. It is time to go somewhere that has natural beauty. This summer some surprising events await you. You will be very happy.



TAURUS

In the stars: Have you ever noticed that when you are eating healthy and working out that you get more done? Your physical health drives you and gives you energy. Try to live a healthier life so your productivity will increase. As well, due to some crisis and troubles with relationships this year, you have discovered a new way to do and see things. This will really help you in your love life this summer.

VIRGO

For Virgo, the details are very important. It is just a part of their lives. They criticize people but they don't like being criticized. Sometimes, this attitude of Virgos may disturb other people. You will be promoted at your current work. You can celebrate your promotion over a family dinner.



LIBRA

Libras are the most unstable people. Therefore, it is very difficult for them to make a choice. They love to help people and they always listen to them to solve their problems. These days you should work very hard. This is the only way to afford the holiday you wish.

SCORPIO

Scorpios feel their emotions intensely. They do not only show their love but also show their hatred. They always like to be honest. This week may be bad for you. Don't be so pessimistic. You should try to be optimistic and happy.

Damla Yağmur ACEMOĞLU



BENEFICIARY

IAU Chairman of the Board of Trustees
Dr. Mustafa AYDIN

GENERAL DIRECTOR

Asst.Prof. Dr.
Necmiye KARATAS

EDITOR-IN-CHIEF DIRECTOR

Y.Sema OKAY- Lecturer

MANAGING EDITORS

Irene ANASTACIO- Lecturer
Neslihan YÜKSELİCİ- Lecturer

EDITORS

Y.Sema OKAY- Lecturer
Irene ANASTACIO- Lecturer
Neslihan YÜKSELİCİ- Lecturer
Nicholas PAGE- Lecturer
Connie WHELAN- Lecturer

DESIGN/ART DIRECTOR

IAU Görsel Tasarım Birimi

YOUNG PENS

Ahmet Ali KORKMAZ
Büyüamin ARSLAN
Damla Yağmur ACEMOĞLU
Demet KOŞAK
Elif İrem ESELIOĞLU
Faik Can SİPAHIOĞLU
Fatih Mehmet YILMAZ
Hakan DARAK
Kübra BULDUK
Mahmut AKGÜN
Merve TOPCUOĞLU
Murat Can PİR

Mustafa Berk KELES

Mustafa HABİBOĞLU
Osman ÇAPUTCU
Osman Emin TEK
Seda PERK
Sevgül DEMİR
Sümeyye Nur ÖZGENÇ
Sümeyye YALÇINKAYA
Tolgahan İNAN
Utkucan SERBEST
Neslihan YÜKSELİCİ
Martin CHEDZOY

For Their Valuable Contribution,

Special Thanks to;
OUR ADVISOR TEACHERS

ISSN 25481347

PRESS

CB Matbaacılık San. ve Tic. Ltd. Şti
Litrosyolu 2. Matbaacılar Sitesi.
ZA-16 Topkapı - Zeytinburnu
İSTANBUL