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THE INTERNATIONAL SCHOOL OF POZNAN MONTHLY



HALLOWEEN p. 8-9

International Day p. 18-19

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INTERNATIONAL SCHOOL OF POZNAN

DP
matura
międzynarodowa

klasa wstępna
"zerówka"

MS

gimnazjum
dwujęzyczne

inne szkoły
gimnazjalne

PYP

Standardy International Baccalaureate (IB) realizowane
w języku angielskim w ramach programów:

- **Primary Years Programme (PYP)** - szkoła podstawowa
- **Middle School (MS)** - gimnazjum
- **Diploma Programme (DP)** - liceum zakończone maturą międzynarodową

Ponadto:

- **gimnazjum dwujęzyczne**
- **klasa wstępna ("zerówka")** przygotowująca do programu matury międzynarodowej w zakresie jęz. angielskiego



International School of Poznan
ul. Taczanowskiego 18, 60-147
tel. +48 61 646 37 90, www.isop.pl

THANK YOU

Thank you PTA for organizing a sacry-licious Halloween Party!

Thank you Ms. Magda Nicgorska (mom of Martyna Kłyszewska, G9, and Max Kłyszewski, G2a), the owner of Flora Decoration, for providing the beautiful arrangments featured at our Front Desk. Flora Decoration flower store is located at Wojciechowskiego 25, Poznan.
<https://www.facebook.com/FloraDecorationMagdalenaNicgorska/>

Thank you Aleksander Sobkowiak, G3a, and family for bringing two huge bean bags for the classroom.

Congratulations!



Outstanding Academic Achievements Award

Congratulations to Maksymilian Mańko, now IB1b! Maks received an award for his outstanding academic achievements in the Bilingual Gymnasium. Great job, Maks!

Autumn Chain Challenge for K and G0 classes

And the winner is...Marysia Ławniczak, G0b! Marysia's chestnut chain was 33 meters long!!! Congratulations!



ISoP Student and Coach Win a Trophy!

On June 11, 2016, the finals of the Lech Poznan Football Academy took place at the INEA Stadium's outer fields. The European League Cup (players born in 2008 division) went to the Lech Poznan Football Academy from Luboń. Our very own Marcel Matuszewski, G3b, is part of the team! We are also happy to acknowledge that our PE teacher, Mr. Marek Molewski, is the team's coach! Congratulations!

Many of ISoP students play at the Lech Poznan Football Academy in various locations all around Poznan. Since last May, the Lech Poznan Football Academy has been also hosted at ISoP.





Language Courses for Parents

By Kamila Krajewska, School Administrator

We are delighted that so many Parents are keen on learning foreign languages with us. This school year we have formed 16 language groups! We have 9 English courses, 3 German, 2 French and 2 Spanish! Well done Parents! If you are interested to join, please email kamila.krajewska@isop.pl

New Teachers

Kasia Jadzinska, PYP Teaching

My name is Kasia Jadzinska. I have been working in ISoP for a little over two months and I already know that this is my place on Earth. I enjoy teaching and spending time with other people. My hobby is travelling and cooking. After work I spend time on taking care of healthy lifestyle, which is fitness and nutrition.



Marta Bilska, mathematics

My name is Marta and I'm a maths teacher. I love maths because it's the only subject where someone can buy 248 watermelons and nobody wonders why :) I would like to share my passion for maths with as many people as possible. In order to achieve this, I have created videos of my lectures to assist anyone learning maths: www.korepetycjezmarta.pl.

Stephen O'Connor, mathematics

Hello to everybody!! I am an Irish, Mathematics and Physical Education teacher who has joined ISoP this year. I am on a career break from the Department of Education in Ireland where I have been teaching Physical Education and Higher Mathematics. I welcome with open arms the experience of working at ISoP and living in Poland. I am a keen travel fan and a sports addict. My main motto in life is to live in the moment. As a famous Irish man once said, "Be yourself, everybody else is taken!" Also a huge thanks to everybody for helping me settle in!



PYP IB Workshop

By Małgorzata Pyda, PYP Coordinator

On August 22-23, 2016, our entire PYP staff took part in a two-day IB in-school workshop on "Inquiry." The workshop was facilitated by Ms. Rana Janssen and Ms. Cindy van den Heuvel, who shared with us a wealth of knowledge on the concept of inquiry and early childhood education.

For the teachers, who constantly reflect on, review and refine the PYP program, this workshop was an extraordinary professional development experience.



First Aid Training

By Anna Kalwani, School Administrator

I am happy to inform that ISoP teachers and staff went through a practical First Aid Training last August. In small groups we learned what to do in case of emergencies, how to assess various situations, bandage wounds, perform CPR and even how to use a defibrillator!





Lech Poznań Stadium

Joanna Wawrzyniak, G1b Teacher

People create communities where they feel a sense of belonging, this was our first Unit of Inquiry in G1. As part of our Inquiry, we decided to visit one of Poznań's most popular landmarks, the Lech Poznań Football Stadium. We took our Lech Poznań scarves, put on our t-shirts and off we went. After a 20 minute walk there we were in front of this impressive building. For some of us it was nothing new but still, as always, the sight of it brought emotions into our hearts.

First, our tour guide walked us into the changing rooms. Did you know that Lech Poznań Stadium has the largest changing room in Europe? Well, we didn't so we found it very interesting. Then, we walked outside and we saw the football pitch where the matches take place. We were so close to the pitch that we could almost smell the grass. We felt very special when we were allowed to sit in the seats reserved for very important people in the VIP Lounge. You could see why these were special seats, it really was the best view of the pitch.

Finally, we got to a big terrace from where we could see the training grounds. Unfortunately, we did not get to meet any of the footballers. They were playing away against Górnik Łęczna that night.

We had a great time and it was a lovely treat for our boys on the international Boy's Day.





G1's Trip to the Opera

Agata Brzezinska, G1a Teacher

People form communities where they feel the sense of belonging - this is a Central Idea of the first Unit of Inquiry in G1. There are various communities in the City of Poznań and G1 students had an opportunity to visit one of them: the Poznan Opera House.

On Tuesday, September 27, the G1a and G1b students went to see how many people are involved in the preparation of a performance and what roles they play in the theatre's community. During the tour the students met various people: dancers, musicians, singers, carpenters, dressmakers, etc. They visited the dressing rooms, where the actors get ready for the performance, where make-up artists apply make-up, and where the dressers help the actors put on their costumes.

The students saw the carpenters working on the stage. They were building huge decorations for the performance: the stairs and the balconies. Smaller decorations were stored in the props room, which the students also visited.

G1 students had a chance to visit the auditorium - a place where the audience enjoys the show. They also visited a box, also known as a loge, located on the first floor of the theatre - a small, seating area in the auditorium for a limited number of people. Under the box, on the ground floor, the students saw a place where lighting technicians work and control all the spotlights in the theatre.

G1 students now know that the community of the Opera House is a large one and its members must work together to achieve a common goal.



Halloween 20



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Unit report!

by G4a students: Magdalena Popławska, Borys Manikowski, Adam Elnur, Zuzanna Sokołowska, Maksymilian Hess, Jakub Nowicki, Midia Saadoun

Central Idea: Taking care of ourselves allows us to be healthy in many different ways.

This unit we invited three guest speakers. One was Ms. Justyna Borowska, ISoP's psychologist, who talked about addictions and mental health. Our second guest speaker was Mrs. Małgorzata Drobczyńska, mom of Wiktor from G2b, a dietician. She talked about healthy and unhealthy food. Additionally, Mrs. Kasia Jadzińska, a G3 co-teacher, taught us about food ingredients and we had a chance to weigh ourselves.

G4b students also visited us and made a presentation about mindfulness, meaning treasuring the moment. We also visited a dental center where dental students showed us a presentation and then they checked our teeth.

Adults to be fit should exercise at least three times a week for around half an hour. But we, students, are supposed to do physical activities 60 minutes a day or even more.

The three most important areas in sports are: cardiovascular (the circulatory system), muscular (the muscles) and flexibility. We should eat grains and vegetables most often. Mrs. Drobczyńska told us all about fast food and said that food prepared by our mums is healthier because we know what is inside. People of different age need different amount of sleep. We, students, should sleep 9 to 11 hours. To reduce stress we can listen to music and dance. Did you know that drinking water helps reduce grumpiness?

We try to take action and change our lifestyles. We try for our families to be more active on weekends. We also try to limit sweets. Instead of computer games we play board games or go outside. We feel we are becoming healthier and happier.



Special Helpers

By Mrs. Katarzyna Kudlińska, K Teacher

Over the last few weeks the G5b students have shown a lot of support and help towards our K pupils. As very caring PYP students, they regularly come around to play outside and help K students. It is wonderful to see their dedication and outstanding effort. We really appreciate the time they spent together with their little friends from K class. It shows that great bond can be built between students of different ages. Well done G5b!



Pippi Longstocking

By Mariia Boltenkova, G4b

We are currently reading *Pippi Longstocking*, written by Astrid Lindgren. Miss Kasia Richter asked us to prepare a short play. In teams we wrote scripts and learned to act. We had four shows based on the book *Pippi Longstocking*. I really enjoy reading this book because Pippi is a great character!



Dental Exam

By Monika Kasior, G2 Teacher

On Monday, October 17, G2a students visited the dental office at Bukowska street and had their teeth checked. They had a chance to learn more about healthy diet and taking care of one's teeth. The presentation prepared by medicine students was met with a lot of excitement from our pupils. They listened carefully and took active part in the discussion later on.



Polish Lessons for International Students

By Monika Kasior

During Polish lessons for our international students we played Twister. The learners took active part in the classroom activities. We revised colours and body parts with great enthusiasm. :)





G5s at the Ethnography and Missionary Museum

By Martyna Jabłońska, G5a

On Monday, October 10, G5a and G5b went to the Ethnography and Missionary Museum in Chludowo.

Missionaries are people who spread religion all over the world. They also help poor people. We went to talk to them because of our Unit of Inquiry about explorations. Spreading religion was one of the ideas (except from glory and money) that motivated first travellers to go and explore the world.

First, we had a short introduction about the missionary work. We learned about Marian Żelazek (1918-2006). He was a missionary who helped people of all religions. He was very good to everyone. Even when he went to prison, he forgave people who put him there. After the World War II he went to India and built schools for children.

We also went to explore the park that was near by. In the park we ate our snack and walked around the pond. We found a little cave and it was very dark inside. Also, we came across a small shed with many colorful birds inside! That was exciting! After we finished exploring the park, we still had ten minutes so we collected walnuts and chestnuts. The trip was very interesting. We learned many new things :)



Spices from Around the World

By Maya Kalwani, G5a

On Friday, September 30, my father Rick Kalwani came to the G5 classrooms. Our Unit of Inquiry was about discoveries and the reasons for explorations. Since many discoveries happened in search of spices, my dad talked about spices from around the world.

DID YOU KNOW THAT . . .???

- Black, white and green peppercorns come from the same plant! Black peppercorns are dried in the sun, white peppercorns are first soaked to remove the outer layer and green peppercorns are picked unripe.



- Cinnamon is a bark of a tree!

- There is a spice in a shape of a star. It is called a star anise.

- Two spices come from the nutmeg plant. Nutmeg from the seed and Mace from the covering of the seed called aril. Mace is used to make candy!

In the past people from Europe sailed to Asia in search of gold and spices.



G5s at the Arkady Fiedler Museum



By Marysia Rawecka, G5a

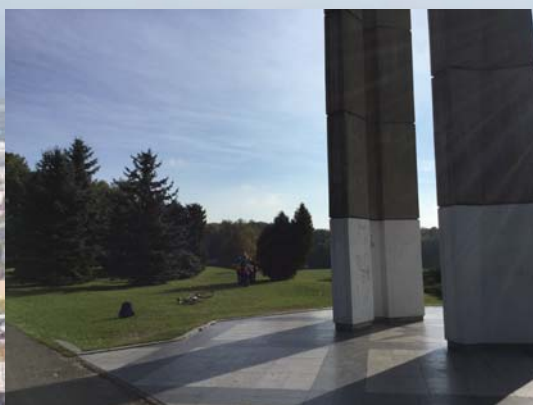
On Thursday, October 6, G5a and G5b went on a trip to the Arkady Fiedler Museum. Arkady Fiedler was a famous Polish traveller who travelled around the world. He was born on November 28, 1894. We went to the museum because we have a Unit about explorations.

When we arrived at the museum it was raining so we quickly walked around the garden and then we went inside. Our tour guide told us many stories related to the artifacts exhibited on the walls. We listened to information about Arkady Fiedler. We had a chance to meet Arkady Fiedler's son. Later, we went outside to learn about the Mayans and the Aztecs. Next, we went on board of a big ship called Santa Maria. That ship is a replica of Christopher Columbus' ship. Inside the ship you can find information about Christopher Columbus' journeys.

At the end we went to a pyramid that is a smaller copy of the Cheops Pyramid.

Inside we met a man that was Arkady Fiedler's second son. He told us interesting facts about the Cheops Pyramid. Did you know that every side of the pyramid represents different things? Western side is health, Eastern side is beauty, Northern side is wealth and Southern side is protection!





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By Maya K**

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teering at
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alwani, G5a



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re three groups competing in
, each group was super-
by one teacher. Every-
had so much fun.





Series of Concerts

By Małgorzata Pyda, PYP Coordinator

This school year our youngest PYP students take part in a series of in-school shows performed by Poznań Philharmonic's Pro Sinfonika. A globe-trekking Grasshopper is a common character in the series.

On Friday, November 4, the Grasshopper took our K and G0 students on an exciting trip to India. We enjoyed beautiful Indian dances and music!



Show White and the Seven Gnomes

By Mrs. Katarzyna Tabin, G3 Teacher

On Monday, November 7, G3, G4 and G5 students went to a theatre to see a charity concert *Snow White and the Seven Gnomes*. The proceeds from this event will go towards helping the children, who suffered in the military conflict in Ukraine. It was really exciting to see Polish and Ukrainian dancers performing on stage together. Some of us were surprised not to hear any words in a ballet performance. After the show we even managed to find Snow White and take a picture with her. We enjoyed the show a lot.





Mars One Mission

By Oliwia Smolińska, G5a

Our current Unit is about discoveries. On Friday, October 14, G5a and G5b students welcomed Mr. Krzysztof Skibicki, Robotics Teacher, as a guest speaker. He told us a lot of interesting facts about the Mars One Mission.



Mars One is the organization that proposed to land people on Mars. Mr. Krzysztof told us that many years ago on Mars there was water but now the water might be deep underground. Access to water makes it possible for people to live there.

The information about the project was spread all around the world and anyone can apply for a ticket to Mars. But, once you go there, you cannot return home anymore. You will need to spend your whole life there.

Out of thousands of applicants, only 24 people will be selected. Then they will be divided into 6 groups of four and will be trained for 10 years before they are sent there.

Life on Mars is different from life on Earth. There is no wind, no birds, no nature. People will have to live in small houses and grow their own food. They will be allowed to leave their houses every third day and spend just three hours outside. It is because of the dangerous radiation on Mars.

Would you apply for a one-way ticket to Mars?



By Franciszek Celm, Mikołaj Borowiak, Hubert Perliński, GII

A very special guest visited our school. His name is Mikołaj Zieliński, a software engineer who lives in the United Arab Emirates. He is taking part in MARS ONE, an international project, which aims to send people to Mars and establish permanent human settlement there. He has already passed first selection rounds and was chosen from around 100 000 candidates to finally be in the top 100. In the next year, if he passes more special exams, he might be in the top 24 and then even in top four best people on Earth to have the perfect abilities and adaptation skills for this kind of mission. The plan is to send them to the Red Planet in 2027.

INTERNA



ATIONAL DAY

WINNERS





My Hero

by Franciszek Celm, GII

World needs heroes, normal people who will help others. My hero is my aunt. Her name is Anna. She is a volunteer, like me, at Fundacja Mam Marzenie (I Have a Dream Foundation). This foundation was created in 2003 in Cracow. Now we have more than 16 branches in Poland and we make dreams of terminally ill children come true. The first dreamer in the foundation was a girl. Her name is Bogusia and she suffers from brittle bones disease. Her dream was to visit Orlando in Florida and to spend great holidays at the amusement parks there. Thanks to the foundation, she visited the USA. When she came back, she was the happiest child in the world.

My aunt became a volunteer in 2012. After three months she was able to visit dreamers on her own. She has had more than 25 dreamers. Three of them unfortunately died... This showed her that we need to go on and enjoy every moment of our lives. One day she said to me, 'My work at the foundation is the meaning of my life. I know I have to challenge myself and require from myself to give happiness to other people. I understand that humility is something what we learn in our whole life. We don't live for ourselves. It is good to appreciate what we have.'



After her words I wanted to become a volunteer, too! I like visiting my dreamers. They are very happy when I visit them.

How does the meeting look like? There are only two meetings with one dreamer. First, we go to their houses and we talk to them about what they would like, what their favourite film is and so on... At the end of the meeting we talk about the foundation. At the same time, our dreamers draw their dreams. There are four categories of dreams: to become (for example: a policeman), to see (for example: the USA), to get (for example: a bicycle) and to meet (for example: Robert Kubica). After the initial meeting, the volunteers find a sponsor who will pay for the dream. After a while, we go with the present to our dreamer. We have balloons, sometimes family of the kid makes a cake. There is a really nice atmosphere...



I love being a volunteer. It brings a lot of benefits to your life. You can imagine how much you have and appreciate it! People should be sympathetic and help others unselfishly. I hope that over the years people will understand it and that they will become volunteers, because it is a great job, which (like my aunt said) is the meaning of our life. I became a volunteer three months ago and I have had two dreamers, two very happy girls. We (my aunt and I) made their dreams come true so fast. When we went to each of the girl's home for the second time, they were the happiest kids in the world when they saw us...

I choose my aunt as my hero because I can always depend on her. We have spent a lot of great time together. We have travelled to other countries. She always helps me and I can count on her feedback.

Remember: Everyone can be a hero. You don't have to be Superman or Batman. Heroes are hiding among us...

To learn more about the foundation or to become a volunteer, please visit www.mammarzenie.org

Autumn season = Flu season

by Maria Witkowiak, IBIIa

As the autumn season is in full swing, our immune system is exposed to various viruses. Influenza, also known as a flu, is the most common of them all. It is very infectious and spreads quickly. It mainly affects the respiratory system and it takes up to two days for the symptoms to show. They include coughing, sore throat, runny nose, sneezing, headache, and fever. Most people recover after approximately ten days, but symptoms may last for weeks.

In order to prevent getting infected, it is very important to exercise regularly, to strengthen your immunity and build-up some muscles. Another factor is drinking a lot of water. It is recommended to drink at least two liters of water every day (which can be converted to 3 liters of any liquid), in order to maintain good blood circulation. It is especially important, because fluids make up 70% of our body. The next thing is composing a balanced diet. It is necessary to consume all of the minerals and vitamins, which contribute to a strong immunity. It requires eating a lot of fruit and vegetables. An alternative solution is ingesting supplements, containing a

specific compound. You also need to remember to sanitize your work place (your desk) and wash your hands often. This will hopefully prevent getting infected from other students.

The methods listed above may only contribute to strengthening your immune system, which means you can still get the virus. If it happens that you get infected, the first thing you should do is to clear your sinuses, by inhaling steam. In order to do that, you should pour boiling water to a bowl, add a few drops of an aromatic oil (for example, eucalyptus oil) and breathe deeply for a few minutes. After a short period of time your headache and sneezing should stop. The next thing to do is to gargle with salty water. Thanks to its antiseptic properties, salt kills bacteria in the throat. Similar effect can be achieved by using apple cider vinegar, warm or sparkling water. What's more, to get rid of the excess mucus, blow your nose as often as possible. It's also important to rest and let your body regenerate until you get back to your daily activities; so it's better to keep warm and stay home for a few days.

The methods listed above are, so called "household remedies," which means that in case of any doubts you should consult a doctor, who will probably subscribe some stronger medication.

ISoP helped Animal Shelter!

By Emily Krejchik, G7

On Wednesday, September 28, the G7 class held a bake sale to raise money for the Animal Shelter in Skałowo. We earned 967.50 PLN!!!! Thank you everyone who helped organize the sale and bought our baked goods!

Then on Wednesday, October 12, the G7 class took a trip to the Animal Shelter in Skałowo. We went to deliver the food we bought with the money from the bake sale. We had a tour of the shelter, met some cats, a playful dog and some very cute puppies. It was a great day!





HOW ARE YOU PLANNING YOUR FUTURE?

by Fundacja Rozwoju Talentów

What do you take into account when planning your educational and professional career? Do you really get proper counseling when you are considering which school to choose? Who lends you a hand when you need professional advice when deciding on who you want to be?

Most schools offer career counseling in the form of regular classes provided by class teachers or guidance counselors. They are helpful in defining one's individual career profile and choosing the right type of further education. However, it turns out that the number of career counseling classes offered by schools is insufficient and therefore, you often decide to seek advice on your own. As the research carried out by Fundacja Rozwoju Talentów (Talent Development Foundation) among 32 second-year ISO P gimnazjum students reveals, 50% of students asked, point to the Internet and parents as their basic sources of information about future education career and profession. This shows that, apart from professional counseling, you also need advice on how and where to find reliable information on the Internet. Interestingly enough, the other 50% of the students get their information from job descriptions, reference books, their teachers and career counselors, or consult their friends. The research was carried out in Spring 2016.

What do you consider when choosing your upper secondary school? Twenty-five per cent of the students point to self-development and the standard of education provided by a chosen school. The remaining 75 per cent seek their parents' advice, and take into account such factors as their current school achievements and the distance between home and school. The overwhelming majority of students from your school are planning to continue their education in high school, only one person in a technical high school, and none of you wants to study at a vocational school. It is worth pointing out that you, as well as students from other middle schools around Poznań, look to study mostly biology and chemistry (doctor, astrophysicist), as well as law, pedagogy and psychology (psychiatrist, psychologist) and art.

What is more, you tend to think about your future career from a wider perspective. You go beyond the available educational offer or the labour market. Almost half of you (37,5%) declare you want your professional career to match your interests and abilities, and only then do you take into account the salary (22%) or your local labour market realities (9%). It turns out that as far as your educational and professional choices are concerned, 28% of you are motivated by your interests and the desire to pursue them, 18% by school achievements, 16% point to the financial situation and 13% of you listen to your parents' advice.

Career counseling programs, which help you discover who you are and use this knowledge to make the right career choices, are priceless. That's why we encourage you to make an effort to identify your needs and learn more about the labour market.

For details on the research go to: FundacjaRozwojuTalentow.pl.

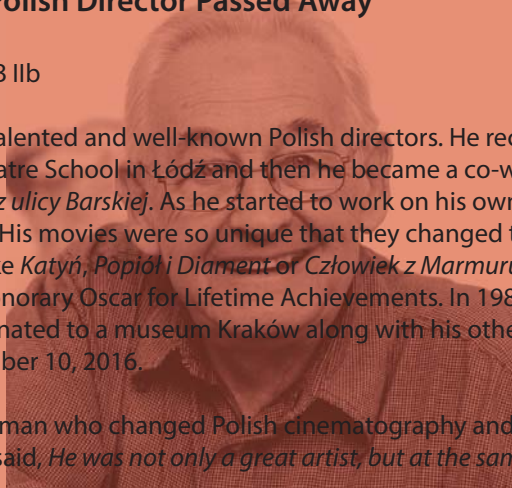
The research was co-financed by the municipalities of Tarnowo Podgórne and Mosina.

Andrzej Wajda - Remarkable Polish Director Passed Away

by Aleksandra and Julia Walkowiak, IB IIB

Andrzej Wajda was one of the most talented and well-known Polish directors. He recently passed away at the age of 90. He graduated the National Film and Theatre School in Łódź and then he became a co-worker of Aleksander Ford, with whom he was able to produce films like *Piątka z ulicy Barskiej*. As he started to work on his own movies, he mainly focused on political, historical and psychological threads. His movies were so unique that they changed the history of Polish cinema. He became well-known thanks to productions like *Katyń*, *Popiół i Diament* or *Człowiek z Marmuru*, in which he reflected Polish turbulent history. In 2000 Wajda received an honorary Oscar for Lifetime Achievements. In 1981 his film *Człowiek z Żelaza* won the Palme d'Or at Cannes. Both awards were donated to a museum Kraków along with his other prizes. The last film he created titled *Powidoki* had its premiere on September 10, 2016.

We will always remember him as the man who changed Polish cinematography and was not afraid to rise provocative subjects. As Jan Engler, a famous Polish actor, said, *He was not only a great artist, but at the same time a true authority.*



Surprising October – 2016 Nobel Prizes

By Maksymilian Mańko, IBIB

As every year, notable scientists, writers and peace activists were awarded prestigious honour - The Nobel Prize. The award was established by Alfred Nobel - famous engineer, inventor of dynamite and social activist.

Nobel once, to his own astonishment, came across his obituary in a magazine. Its title 'the merchant of death is dead' made him apprehensive of how he would be remembered so he decided to dedicate his fortune of 31 million SEK (Swedish Krona, currently 190 million dollars) to encourage scientific progress. The prize has been awarded by the Royal Swedish Academy of Science and Norwegian Nobel Committee, every October since 1901. The certain honour of the award is also accompanied by the sum of 8 million SEK (about 920 thousand dollars) divided among laureates. Despite being the world's most significant prize, it has always been controversial and this year's edition is not an exception!

Let's begin with the award in physics as it is first mentioned in Nobel's will. The 110th Physics Nobel Prize went to David J. Thouless, F. Duncan M. Haldane and J. Michael Kosterlitz for the research of topological phase transitions of matter. Doesn't sound familiar, does it? However, it may have a significant impact on our lives in the near future. From ultrafast trains flying over giant magnets, through powerful computers able to support artificial intelligence or predict earthquakes, to new smartphones sending our photos even faster. The laureates researched behaviour of very thin layers of metal in very low temperatures. The prize was divided, one half awarded to David J. Thouless, the other half jointly to Haldane and Kosterlitz.

Chemistry was the most important scientific discipline for Nobel himself, due to his occupation. Sir J. Fraser Stoddart, Bernard L. Feringa and Jean-Pierre Sauvage, the laureates of the 108th Chemistry Nobel Prize, definitely shared Nobel's passion. What was awarded is their greatest invention – molecular machines – tiny devices consisting only of few molecules working in nanoscale. This is a fulfillment of dreams of Richard Feynman, great physicist, visioner and nobelist, which he expressed in his lecture *There's Plenty of Room at the Bottom*, where he talked about atomic-size cars and surgeons you can swallow, which treat the patient from inside their body. Stoddart's, Feringa's and Sauvage's work is the first step to Feynman's vision – little chains and engines which can be programmed to move things even 10 thousand times

bigger than them! This concept sounding like science fiction is just to come to our lives.

This year's Nobel Prize in medicine isn't so futuristic, but explains how the life on Earth can deal with difficult conditions. Yoshinori Ohsumi from the Tokyo Institute of Technology, was awarded for his research upon autophagy. This weirdly sounding word represents a biological mechanism occurring when a cell, being unable to get energy, "eats" its own structures, which are dead or damaged. This can help us understand how the cells react to lack of food or an infection, and develop new methods of treatment of diseases such as cancer.

The 48th Nobel Prize in Economic Sciences went to Oliver Hart and Bengt Holmstrom for their contribution to the contract theory. Their work brought better understanding of the way that agreements work and what traps are there to catch the client.

Out of record number of 376 nominees for the Nobel Peace Prize, the Norwegian Nobel Committee decided to honour Juan Manuel Santos, the president of Colombia. The reason for this choice is the peace agreement between the Colombian government and the left-wing partisan organisation FARC, ending the 52-year civil war in this country.

Last but not least, this year's most controversial choice – the literature award. The Nobel Prize in this category went to the American musician and poet Bob Dylan. Despite the fact it's his fourth nomination, the opinions vary between extreme approbate and disgruntled. The supporters highlight Dylan's role in popular culture of the 20th century and excerpt his protest songs *The Times They Are a-Changin'* or *Hurricane*. Opponents claim that, although Dylan is an icon, his texts can't be compared to the literature by, for instance, other American nominee Philip Roth. Nevertheless, Dylan remains one of the most significant American musicians and songwriters with compositions played by gallery of stars from Jimi Hendrix to Red Hot Chili Peppers. Does it deserve Nobel Prize? The history is going to assess.

Although all doubts and controversies, The Nobel Prize remains world's most prestigious award and the summit of dreams for many scientists and authors. Nobel's noble idea survived the test of time and there are no signs it's going to change.



FAMILY PICNIC 2016

