



WASA DAILY

GPT-3

Printed 1 €
Free on the Net

ISSN 2954-2456

Nr 10 Sunday, March 10 2024

WASA DAILY - a modern newspaper with a layout from the 1870s. At that time, most newspapers had this format, corresponding to A4, and 4 pages. Lots of text, but no pictures at all, so there's a lot to read in a few pages. The newspaper contains quotes from old daily newspapers, taken from the National Archives (digi.kansalliskirjasto.fi). Text in this publication is generated in part with GPT-3, OpenAI's large-scale language-generation model. Upon generating draft language, the texts has been reviewed, edited, and revised the language and the newspaper takes ultimate responsibility for the content of this publication. Wasa Daily will continue to be published on Sunday mornings, but our aim is that it will eventually be published every day. The magazine can be read online for free, printed single issues cost 1 €. Advertising price 6 €/ millimeter, but standard ads are cheaper (25 mm high=140 €, 50 mm = 280 €, 75 mm=400 €. Repeated ads = 50% discount). Send ads to wasadagblad@gmail.com as jpg, tiff or png, the advertisements are then reduced to a column width of 46 mm. If the advertisement does not fit, we will contact you (space is limited). Editor-in-Chief: Hans Björknäs. Mail: Wasa Dagblad, Skolhusgatan 37 B 7, 65100 Vasas, telephone +358-40-5462455. E - mail: wasadagblad@gmail.com

Вітаємо всіх українців у Ваасі! Сподіваємося, вам тут сподобається і навіть залишитеся після закінчення війни в Україні! A warm welcome to all Ukrainians in Vaasa! We hope you will enjoy yourself here and even stay after the war in Ukraine is over!



Here we are:
www.vpress.ovh

The Bark Beetle, a Threat to our Forests

Image: James K. Lindsey, Creative Commons Attribution-Share Alike 3.0

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TODAY

”The shipwreck of social welfare and health care – a hell machine has been born in Finland”

Recent events in the Finnish healthcare system have caused concern and indignation, especially over Professor Lasse Lehtonen’s recent statements. His incisive description of the “hell machine” brought about by Sanna Marin’s health and social services reform has created inefficient and even life-threatening medical care in Finland.

According to Lehtonen, people die unnecessarily, and a poorly functioning and non-existent social and health care system has been created in Finland. The life expectancy of Finns has already begun to decline, and comparisons with the health care systems of Western Europe reveal glaring shortcomings.

A key problem is that medical care in Finland is inefficient compared to other countries. According to Lehtonen, the lack of a family doctor system and the shocking bureaucracy in medical records have led to doctors spending more time on paperwork than on treating patients. By way of comparison, the effective health care systems in other Western European countries are of a completely different size. In countries where the family doctor model is used, one doctor can treat 30 patients per day, in Finland the corresponding figure is often six patients. One can be particularly critical of the electronic health record system, which in Finland has developed into an exaggerated electro-chronic bureaucracy. In Finland, doctors spend too much time in front of the computer with patient records, which means less time to see and care for patients. This is not only a question of inefficiency, but also a life-threatening situation, as Mr Lehtonen points out.

in the service network of health centres, which may further aggravate the situation. There is therefore an urgent need to take action to improve the health care situation. One aspect of the situation in Finland is that doctors have the same monthly salary regardless of whether they work a lot or very little.

Extinguished lanterns are also used to decide on the ordering of consultants and digital services. In other words, you study and examine until you lose sight and then you are already in the intensive care unit. Who will fix this problem if things go really wrong, asks teacher Petri Salo from Luvi.

When private doctors participate in this work in one way or another, the income level of a hard-working, knowledgeable and effective doctor can increase. Is it such a big problem that no changes can be made?

Proposed emergency measures:

1. The introduction of the GP model is necessary to ensure individual patient care and better patient knowledge for doctors.
2. Private doctors must be involved in the practice of the practice in order to guarantee faster and better treatment for patients.
3. EMR systems need to move towards an agile and simplified “karvalakki” model that saves time for doctors and enables more efficient patient care.

Now is the time to act so that the Finnish healthcare system can move out of the shadow of the “hell machine” towards an efficient and patient-friendly future. Orpo’s Government must take responsibility, correct the shortcomings in social welfare and health care and take concrete measures so that every Finn can trust that the health care system works.

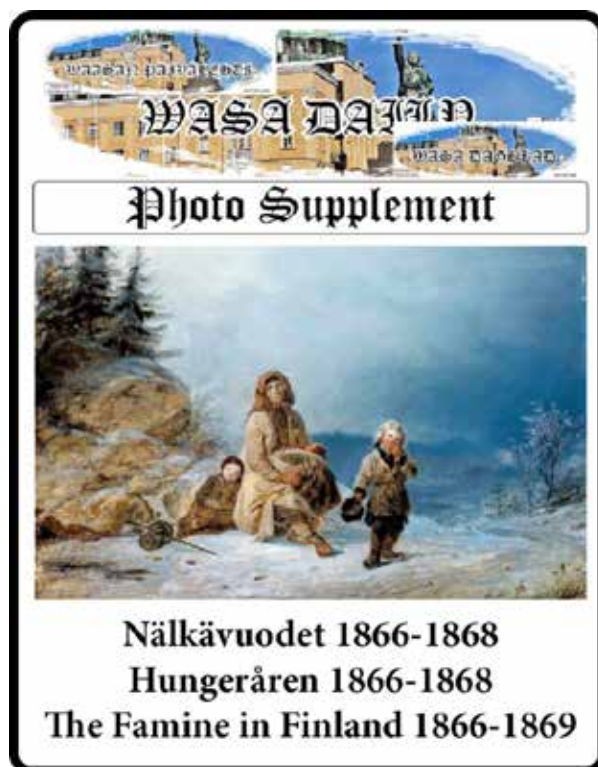


Photo Supplement - vpress.ovh

Lehtonen also warns of future cuts

NEWS

Ambassadors visit Vaasa Energy Week



The visit, hosted by the City of Vaasa as part of the EnergyWeek event, will be attended by ambassadors, delegates and representatives from around the world. Guests will attend a lunch hosted by Mayor Tomas Häyry and visit Wärtsilä's Sustainable Technology Hub.

Dutch Ambassador Govert Jan Bijl de Vroe considers participation in EnergyWeek important.

- Everything comes together in Vaasa – hydrogen, offshore wind power and sustainable batteries. The Dutch Embassy in Helsinki is working on all these issues in order to create added value in the clean energy transition in Finland. Therefore, Vaasa is an important place for us now and in the future, says Ambassador Govert Jan Bijl de Vroe.

Canadian Ambassador Jeanette Stovel points out that the ties between

Canada and Vaasa have been formed since the early 1900s, when Finnish forestry expertise supported the growth of the Canadian forest industry.

"Today, Canadians and Finns are working together to promote the transition to green energy, and Vaasa plays a key role in this," says Ambassador Jeanette Stovel.

Many of the ambassadors arriving in Vaasa have previously visited EnergyWeek. For some, such as Icelandic Ambassador Harald Aspelund, the visit to EnergyWeek is the first time. Ambassador Aspelund believes that bold leaders and cooperation are needed to accelerate decisions on the green energy transition.

- We can share knowledge across borders and work together as a team for a greener future. Iceland's energy transition in the 70s and 80s, when geothermal heating of premises began, is an excellent example of this.

Among others, the following guests will come:

Ambassador Govert Jan Bijl de Vroe, Netherlands

Ambassador Alexis de Crombrughe, Belgium

Ambassador Belén Sapag Muñoz de la Peña, Chile

Ambassador Harald Aspelund, Iceland

Ambassador Jeanette Stovel, Canada

Ambassador Francisco Vaz Pato, Portugal

Ambassador Chavanart Thangsumphant, Thailand

Chargé d'Affaires Mohammed Ariff Bin Mohamed Ali, Malaysia

Atinuke Akintan-Adeyemi, Head of Mission, Nigeria

Mr Jesper Stig Andersen, Deputy Head of Delegation, Denmark (vaasa.fi)

They, who know a little more are

They, who read Wasa Daily

Bill: Doctors in forced labour in health centres

Of all the most remarkable modern bills in Finland, this is one of the most prominent.

Here is an excerpt from this bill:

"Proposition for an Act amending the Universities Act To Parliament
MAIN ELEMENTS OF THE INITIATIVE

It is proposed that a new section 41 b be added to the Universities Act (558/2009), obliging a person

THIS NEWSPAPER CAN BE READ ANYWHERE

Like here in the Fiji Islands in the Pacific Ocean

admitted to education leading to a Licentiate of Medicine or Licentiate of Dentistry to give a written commitment that he or she will work in a position in the wellbeing services county or municipality corresponding to the education referred to in the Health Care Act (1326/2010) or in a corresponding position in the Province of Åland or in a similar position or in a position in the administrative branch of the Ministry of Social Affairs and Health for at least 3 years (commitment period). The purpose of the proposed new article is to respond to the shortage of doctors in public health care, especially in health centers. Requiring licentiates of medicine or dentistry to work in public health care for at least three years after graduation would better secure the number of doctors in public health care."

University of Vaasa's new cooperation model brings together companies and doctoral research-

chers

Companies have access to the latest research data and innovations, and an attractive career path for doctoral researchers

The University of Vaasa is creating a new cooperation model between a doctoral researcher and a company or community, where the company's research interests can be combined into a doctoral dissertation. The doctoral researcher commits to a four-year doctoral dissertation study funded jointly by the partner company and the University of Vaasa. The Co-Doc – Collaborative Doctoral Partnership Model project is funded by the Regional Council of Ostrobothnia.

The cooperation model is particularly linked to the needs of companies in the region of Ostrobothnia, and the topics of research projects arise from companies. The participation of a doctoral researcher brings high-quality expertise, the latest knowledge and innovations to the company. (University

of Vaasa)

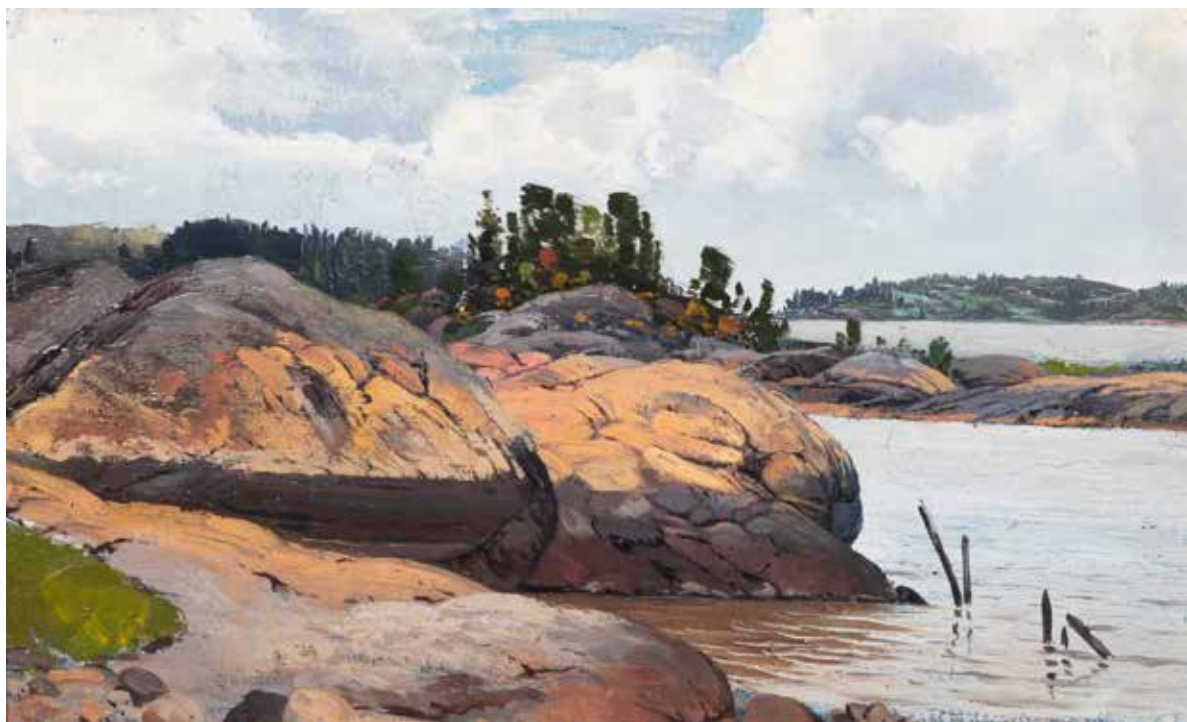
Diversity in sports activities for seniors during Ikiliikkuja Week on 11-17 March

Week 11, which runs from 11 to 17 March, is all about physical activity, as the Ikiliikkuja week offers a wide range of training opportunities for seniors. In addition, information and tips on strength and balance training are provided for the older age group.

The Ikiliikkuja Week is organised by the Elderly Institute in cooperation with municipalities, wellbeing services counties, organisations, associations and the Pharmacy of the Athlete.

During the week, seniors have the opportunity to get acquainted with different exercise groups, where the city and associations present different forms of exercise. It's a perfect chance to find the form of exercise that best suits

Art Experience of the Week:



Fanny Maria Churberg, Finnish artist (1845—1892).

Born in Vaasa. Her first art teacher was Alexandra Frosterus-Sältin in Vaasa. Later she studied in Düsseldorf, also visited Paris and painted landscapes in original, bold and powerful execution. During her lifetime, she was not particularly appreciated as an artist. But in recent times she has been recognized as one of the best landscape artists that has existed in Finland

each individual.

Here are some of the exercise opportunities offered during the week:

The City of Vaasa's exercise groups: Includes, among other things, gym training, balance training, volleyball, chair gymnastics and dance. Free participation during the theme week.

Adapted exercise groups: Offer free activities during the week, including adapted exercise in various forms. More information about these groups can be found on the City of Vaasa website.

Health exercise groups for adults: Participation in the theme week free of charge. Information about the groups can be found on the City of Vaasa website.

The swimming pool's water aerobics and gym: Includes water aerobics and gym training with different times and activities. This is included in the entrance fee of the swimming pool, and no advance registration is required.

Associations' exercise groups: Offers a variety of activities such as senior dance, asahi (gentle health exercise), light gymnastics, bocce (games with balls) and Nordic walking. Information about the clubs' exercise groups can be found on their respective websites.

The Ikiliikkuja week ends with a dance evening organised by Vaasan eläkeliitto on Sunday 17 March at 4–7 pm at Formaninkatu 14. The music will be provided by Kaj Airaksinen & Rytmiset, and tickets cost €12 (includes coffee and pastry). Welcome!

Paper programme leaflets for the Ikiliikkuja week programme in Vaasa are available at the Citizen Services, libraries, Vuorikoti and swimming hall. (Vaasa.fi)

Waves Summit 2024 - Finland's First High-Level Event for Societal Innovations

Waves Summit 2024 marks Finland's inaugural high-level event for societal innovations, serving as a meeting point for all changemakers dedicated to fostering positive societal change. Waves brings together these changemakers to learn, find inspiration, network, and cultivate a new culture for addressing societal challenges. In a world that demands novel approaches to complex issues, should we not evolve as well?

Register today to secure your spot and join us in Helsinki on April 3-4, 2024! Explore the program and purchase tickets at: <https://www.waves-forum.fi>

Let's make waves together!

When? April 3-4, 2024
Where? Kulttuuritalo, Helsinki, and online.

Waves is a project organized by Ashoka Nordic and LeapFrog Pro-

jects, in collaboration with Gaia Consulting Oy, Tradeka-invest Ltd., Moomin Characters Ltd, Suomen kulttuurirahasto, Svenska folkskolans vänner rf, DNA, Konstsamfundet, and Storebrand Asset Management Finland. It also collaborates with Kukunori ry, Sitra, Yhteiskunnallisten yritysten osaa-miskeskus YYO, Miltton, ARVO ry (Finnish Association for Social Enterprises), Hanaholmen, Aalto Ventures Program, Aalto NODUS Talks, University of Helsinki, and Wicked Community.

Across Sectors and Perspectives!

This year's theme is "Across Sectors and Perspectives." Our impact field is currently scattered and marginalized. There are multiple theories of change and communities addressing topics such as sustainability, mental health, circular economy, impact financing, and regeneration. This diversity is a potential strength. Let's come together, learn together, and co-create transformative change!

Hike to health with Sunday walks in Vaasa

Come every Sunday for a 10km walk from Salutorget! We walk around Vaasa together, and the participants set the pace - no one is left behind. A shorter route is also possible. After the walk, we gather for coffee (at your own expense). Come and get to know Vaasa!

NEXT EVENT: Sunday, March 3, 2024, 10:00 a.m. – 1:00 p.m.

UPCOMING DATES:

10 March 2024, 10.00 – 13.00

17 March 2024, 10.00 – 13.00

PRICE INFORMATION: Free

event

ORGANIZER: Vaasan Kävelyklubi rf Huovinkuja 9 D 2 65320 Vaasa 32 Telephone: 0407361238 Email: helena.kyrolainen@netikka.fi

VENUE: Salutorget, near the Statue of Liberty Hovioikeuspuistikko 15, 65100 Vaasa

Note: The event is a great opportunity to adopt an active lifestyle, meet new people and get to know the beauty of Vaasa. Whether you are an experienced walker or just looking for a leisurely walk, everyone is welcome. Don't miss this enriching experience!

For more information, please contact the organizer, Vaasan Kävelyklubi rf.

National Veterans' Day in Vaasa this year

Veterans' Day 2024 will be celebrated on Saturday 27.4.2024 in Vaasa. The main event will be held in the Bothnia Hall.

Veterans' Day has been celebrated in Finland only since the 1980s. The reason for this can be found in the years after the war, when Finland was obliged to the war under the Paris Peace Treaty and one of the losing countries. As a result, those who fought the war were not valued and were even blamed for the defeat.

In the 1960s and 1970s, the appreciation of veterans was at its lowest. Although the majority of Finns did not share this view, it was not possible to speak on behalf of veterans.

In the 1980s, respect for veterans slowly began to grow. Colonel Adolf Ehrnrooth broke the silence among the veterans and told the younger generations about the wars they had been. With this, the veterans' experiences and sacrifices began to receive the appreciation they deserved.

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The first National Veterans' Day was celebrated in Lahti in 1987 in connection with Finland's 70th anniversary. The day was chosen for 27 April because it is the anniversary of the end of the Lapland War. Today, National Veterans' Day is an important day to honour all veterans of Finland's wars and their sacrifices. The day is celebrated in many different ways, including the raising of flags, the laying of a wreath and festive events.

New S-market opened its doors in Sundom

The 34th S-market chain store opened its doors on Thursday, February 15 in Vaasa's Sundom. Handelslaget KPO's new concept S-market was inaugurated by KPO's CEO Kim Biskop and Vaasa City Council Chairman Joakim Strand.

Covering an area of almost a thousand square metres, S-market offers its customers a diverse and wide selection. The store has two self-service checkouts, through which taking care of small purchases in particular is quick and smooth. In the yard area of the store there is an ABC automatic station and two charging points for electric cars. There are also 130 parking spaces in the yard.

The new S-market will bring a versatile service to Sundom and strengthen the area's commercial offering. The store is designed to serve the needs of both local residents and passers-by.

NEWS

Palosaari Church fills with music and celebrations in March



Palosaari Church offers a varied programme in March. The programme includes a Women's Day concert, a Super Organ concert, a 90th anniversary concert and an Easter Night Mass.

The Women's Day concert "A woman's own place" on Friday 8.3. at 19.00 will highlight music composed by women from the 1800s. The concert will be preceded by a lecture by blogger Hanna Kivisalo entitled "When life is not a success story, it can be a story of meaning" and coffee at 5 pm at Palosaari Parish Hall.

The Super Organ concert on Sa-

turday 16.3. at 6.30 pm offers a unique experience when organist Elias Niemelä from Kiiminki arrives to give a concert on his Super Organ. The programme includes virtuoso organ compositions, fine orchestral arrangements and film music.

Sunday Service

Sunday 17.3 kl. 13.00

Sunday service with songs, prayers and a message. Coffee afterwards.

The 90th anniversary concert on Saturday 23.3. at 14.00 celebrates a parishioner who has wanted to organize a concert open to all. The concert will feature the Laululiisat choir and Dort-

mund Opera cellist Risto Rajakorpi.

Easter Night Mass on Saturday 30.3. at 23.00 invites you to celebrate the miracle of the resurrection. Mass begins in a dim church, but as the feast progresses, the light increases and the altar is clothed in its full Easter glory.

Wedding night

Palosaari Church 2.4

At the night event at Palosaari Church, you can easily get married. Couples are married every half hour.

Of course, you must register in advance, no later than 10.3. More detailed information on the website of the Finnish parish.

EVENTS

IKILIIKKUJA-WEEK

Week 11, which runs from 11 to 17 March, is all about physical activity, as the Ikiliikkuja week offers a wide range of training opportunities for seniors. In addition, information and tips on strength and balance training are provided for the older age group.

VAASA ENERGY WEEK

March 11-14, 2024

EnergyWeek, the top energy event held at Vaasa City Hall from the 11th to the 14th of March, opened for registration on the 15th of January and has seen a record number of enrolments. Once again, thousands of participants from dozens of countries are expected to attend.

About

- energy and climate
- wind and renewable energy
- energy storage
- gas energy

<https://www.energyweek.fi/>

VAASA CITY ORCHESTRA

50 years of music!

EERO & IIRO

WEDN 20.3. AT 7 PM

VAASA CITY HALL

vaasakaupunginorkesteri.fi

RITZ

STRANGERS IN THE NIGHT – A musical about Frank Sinatra and Ava Gardner.

20.4.24 at 14 och 19

Strangers in the Night tells about the life and love of two Hollywood stars, which was not lacking in passion, jealousy and great drama.

Performers Elisa Lairikko and Petri Lairikko.

www.ritz.fi

www.musiikkiteatteri.fi

NATIONAL VETERANS DAY in Vaasa this year

Veterans' Day 2024 will be celebrated on Saturday 27.4.2024 in Vaasa.

The main event will be held in the Bothnia Hall.

VAASAN KUOROFESTIVAALI - VASA KÖRFESTIVAL - VAASA CHOIR FESTIVAL

9-12.5.24

30 years old!

www.vaasa.fi

VAASA CITY ORCHESTRA

50 years of music!

EIN DEUTSCHES REQUIEM

FRIDAY 29.3 AT 14.00 Kokkola church

AT 20.00 Vaasa church

Vaasan kaupunginorkesteri & Keski-Pohjanmaan kamariorkesteri dir. Tomas Djupsjöbacka

sol. Marjukka Tepponen, sopraano, Ville Rusanen, baritoni

Kamarikuoro Canticum Maris & Vokalensemblen Röster

Johannes Brahms: Ein deutsches Requiem, op. 45

ILMAJOKI MUSIC FESTIVAL

ARMI-opera

7.6 - 16.6.24



Solist: Lilli Paasikivi

www.musiikkijuhlat.fi

HERÄTTÄJÄJUHLAT IN VAASA 5.-7.7.2024

Vaasa is set to host the city's second-ever awakening festival in the summer of 2024, a remarkable 60 years after the last event

The theme for the days is "Let the wind fill the sails."

The festival grounds are located in the city center, alongside many hotels and restaurants, making it easy to move around on foot or by bike. In Vaasa, you are truly

by the sea, as the distance from the market square to the beach is just a few hundred meters. A tranquil evening stroll along the water-front, a visit to the playground, or exploring the city's magnificent cultural offerings can be easily done in the immediate vicinity of the festival area.

"Körttiradio" will broadcast programs around the clock throughout the event days.

KORSHOLM MUSIC FESTIVAL 2024

24.7-31.7.2024

www.korsholmmusicfestival.fi

TOVE TEUVALLA-OPERA

Östermark kyrka .Teuvan kirkko

3.8.24 - 11. 8.2024

<https://www.korsholmmusicfestival.fi/tove-teuvalla/operan-tove-teuvalla>

WASA FUTURE FESTIVAL

5-10.8.2024

The Wasa Future Festival 2024 is set to take place from 5th to 10th August. This event gathers knowledgeable and motivated individuals from the business world, universities, regional decision-making bodies, and ministerial corps to focus on solving issues in Vaasa and across Finland. The festival covers themes ranging from industrial innovations to cultural aspects, offering a platform for collaboration and problem-solving.

The event can be followed on Wasa Future Festival YouTube channel.

Wasa Innovation Center

Gerbyntie 18

65230 Vaasa

<https://wasafuturefestival.fi/>

VAASA CITY THEATRE

On 12.9.2024, the classic musical Cabaret will premiere, which is a story about people hungry for life in the bustle of Berlin in 1929-1930.

The young American writer Clifford Bradshaw is looking for himself, idealizing the free world. English cabaret singer Sally Bowles enjoys her status as the beloved lead star of the Kit Kat Club. When they meet, the story of the musical begins.

MY HEALTH

Breast Implant Illness: Separating Fact from Fiction

For many women, breast implants represent empowerment, confidence, and a desired aesthetic. However, a growing number of women report experiencing a constellation of symptoms after receiving breast implants, collectively known as Breast Implant Illness (BII). While a contentious topic, understanding the facts and open dialogue are crucial for informed decision-making.

What is BII?

BII is not a medically recognized diagnosis, but rather a term used by some women to describe a range of symptoms they attribute to their breast implants. These symptoms can vary widely and include fatigue, joint pain, brain fog, headaches, and rashes. It's important to note that these symptoms can also be caused by other factors, making it difficult to definitively link them to breast implants.

Common Symptoms of BII

Musculoskeletal Symptoms:
Joint pain
Muscle pain
Muscle weakness (myopathy)

Cognitive Symptoms:

Anxiety and depression
Brain fog
Fatigue
Memory loss
Trouble concentrating
Systemic Symptoms:
Autoimmune condition symptoms or diagnosis
Chronic pain
Dry eyes or low vision
Hair loss
Skin problems (such as rashes)

The Scientific Controversy:

The scientific community currently lacks conclusive evidence to establish a direct causal link between breast implants and BII. While some studies suggest a potential association between certain implant types and specific health issues, others find no definitive connection. The complexity lies in the diverse range of symptoms, potential confounding factors, and the absence of a specific diagnostic test for BII.

Moving Forward:

Despite the lack of conclusive evidence, the experiences of women who report BII deserve attention and further

research. It is essential for women considering breast implants to be fully informed of the potential risks and benefits, including the possibility of BII. Open communication with their doctors about individual health history and concerns is vital.

Furthermore, ongoing research is crucial to gain a better understanding of this complex issue. This includes investigating potential links between certain implant materials and specific health problems, as well as exploring alternative materials and implant techniques.

Conclusion:

While BII remains a topic of scientific debate, it highlights the importance of individual health journeys and informed decision-making. Open communication between patients and doctors, coupled with ongoing research, is key to navigating this complex issue and ensuring the well-being of women considering or undergoing breast augmentation.

Disclaimer: This article provides general information and should not replace personalized medical advice. Always consult with a qualified healthcare provider for individualized guidance.

THEATRE

Vaasa City Theatre opens autumn 2024 with a great programme



THEATRE

Vaasa City Theatre opens autumn 2024 with a great programme



Vaasa City Theatre presented its autumn 2024 programme to an enthusiastic audience at the large Kulma theatre restaurant on 4.3.24 under the direction of theatre director Seppo Välinen. In the coming season, the theatre's stage will be filled with a powerful theme, "Power", which will shed light on many perspectives.

"Cabaret" musical:

The absolute highlight of autumn is the famous musical "Cabaret". The wishes of many Vaasa residents have finally come true, as the premiere of the musical is marked on the calendar on 19 September. The story is set in late 1920s Berlin, following American writer Cliff and British cabaret performer Sally. Their romance unfolds in the changing landscapes of the city as a huge change takes place in the

background. Kit Kat Klub's decadent nightlife and carefree attitude wrap around the growing shadow of Nazism and political unrest.

The musical's characters struggle with love, loss, social pressures and the influence of the Nazi Party, bringing forth a powerful and cautionary tale of social problems. Through satire and dark humour, "Cabaret" presents society's challenges and emphasizes the importance of speaking out against injustice.

"Huvioikeus-Amusement"

Before the premiere of "Cabaret" is enjoyed another premiere, aimed especially at children and child-minded people. "The right to amusement" is an ode to joy and to find out who has the right to rejoice. This premiere takes over the stage on September 5.

"Inspector Palmu's mistake":

The familiar story of Waltari gets a new life on the stage of the City Theatre. "Inspector Palmu's Mistake" brings the classic fresh to the present day after more than 60 years.

"Festival of Heart of Autumn":

Finally, "Heart of Autumn Festival" combines drama and music into an enjoyable whole.

All in all, we are looking forward to a very interesting theatre autumn, offering a diverse selection of plays and musicals. Vaasa City Theatre is preparing to enchant its audience with its impressive performances, and the autumn programme promises to evoke thoughts and emotions in the enchanting world of theatre.

OUR FORESTS

The Spruce Bark Beetle Threatens Our Spruce Forests

The spruce bark beetle (*Ips typographus*) is a beetle measuring about half a centimeter that poses the most significant economic threat to spruce trees in forest stands. Its reproduction primarily occurs in trees that have fallen due to wind or are weakened.

The spruce bark beetle reproduces in the inner bark of trees, both living and dead wood. The adult beetles overwinter in the forest soil and in the trees when environmental conditions are not conducive to reproduction. When conditions are right, adult bark beetles search up to half a mile in the quest for a vulnerable host. When they find a host, they bore through weakened bark to create tunnels where they can mate and lay eggs. They emit pheromones to attract more individuals to the tree. Two to five weeks after infestation, they may migrate to another host and repeat the process. When the larvae hatch, they feed and pupate under the bark. Up to three generations can be produced per year.

Spruce bark beetles communicate with each other by using pheromones, compounds, or mixtures that convey messages. Some electrophysiological and behavioral statistics show that spruce bark beetles can not only sense odor messages directly from other spruce bark beetles but also certain compounds from trees.

The spruce bark beetle can form a symbiotic relationship with certain Ophiostomatales fungi. These wood-living beetles supply fungi as a complement to their diet.

The spruce bark beetle has the ability to spread rapidly across large areas. During outbreaks, spruce bark beetles can overwhelm tree defenses. Although they are specialized in spruce, they do not exist throughout the entire spruce range.

They also cannot survive in the northernmost spruce forests due to insufficient climate variations.

Impact

Ecologically, the spruce bark beetle has a significant impact on both the ecological and economic



Bark Beetle signs



Image: Juan de Vojnikov, Creative Commons Attribution 3.0

environment of spruce forests. Together with storm events, bark beetle outbreaks are considered by some to be one of the most important natural disturbances in this region. Some researchers argue that this beetle is a keystone species, in part because it has an unusually large number of relationships with other organisms in the community and dramatically alters its environment.

Bark beetle outbreaks generally help renew the forest and promote the evolution of stronger, more resistant trees by initiating different adaptations to ward off their attacks.

Economic Impact

Bark beetles are associated with various types of fungi, each with different basic ecological roles. Several fungal pathogens can be transferred to spruces by bark beetles, and one of the most damaging is a species of blue-stain fungus, *Ophiostoma polonicum*, which can kill healthy trees by blocking water

flow and causing them to wither. It also stains the wood with blue streaks, destroying its commercial value. The results of such bark beetle outbreaks can be devastating for the forestry industry in the area due to the time it takes for natural regression to occur.

Detection

Bark beetles typically attack the lower and middle parts of stems. Infected trees are easy to recognize by concentrations of brown dust from the bark at the base of the trunk. However, visibly infected trees with green crowns may lack bark due to larval and woodpecker activity. Other common ways to detect infection include the presence of reddish-brown dust (frass) in the bark's crevices, many round exit holes, or small resin droplets being forced out from the bark. Large populations can be detected from a distance through patches of red foliage.

Conservation

Measures for bark beetle out-

breaks are controversial in places like Šumava National Park in Bohemia. Some suggest that outbreaks should be allowed to run their course, even if it means losing a significant portion of the forest. Others, including the forestry industry, request intervention. Some experts argue that salvage logging tends to have a greater negative impact on vegetation than the bark beetle outbreak alone.

Preventive and Control Methods

Several methods have been proposed to prevent the onset of bark beetle outbreaks. Some suggest using "trap trees" at the beginning of each reproductive cycle. This should be done in March, May, and at the end of June or early July. The trap trees should be debarked when clear larval galleries with small larvae are found. Another method is sanitation logging, removing sections of trees at the first signs of infestation. Pheromone traps can capture thousands of bark beetles. However, their real utility in reducing tree damage is debated: some studies have found a significant reduction in damage in sites with pheromone traps, while others have found no effect or even a slight increase in the risk of new attacks. The effectiveness of pheromone traps can vary depending on local conditions.

Minimizing stress factors that can weaken trees, such as drought and pests, can also help prevent bark beetle infestation.

Summary

The spruce bark beetle poses a serious threat to our spruce forests, and managing its impact requires active efforts from forest owners and the forestry management community. Effective control measures, combined with forestry management practices, can help limit the spread of the spruce bark beetle and preserve the health and economic value of our forests.

CLIMATE CHANGE

Copernicus: 2023 - the hottest year in history

GLOBAL CLIMATE HIGHLIGHTS 2023: Unprecedented Warmth Sets Alarming Records

The year 2023 has solidified its place in history as the hottest year ever recorded, pushing global temperatures perilously close to the 1.5°C limit, according to the Copernicus Climate Change Service (C3S). Monitored by the European Centre for Medium-Range Weather Forecasts on behalf of the European Commission and funded by the EU, C3S's findings reveal alarming trends in various climate indicators, showcasing record-breaking conditions throughout the year.

Key highlights from the Global Climate Highlights report, primarily based on the ERA5 reanalysis dataset, underscore the severity of climate extremes and their underlying drivers, including greenhouse gas concentrations, El Niño, and natural variations.

Global Surface Air Temperature Highlights:

2023 stands as the warmest calendar year in global temperature records dating back to 1850.

The global average temperature in 2023 reached 14.98°C, surpassing the previous highest annual value in 2016 by 0.17°C.

A staggering 0.60°C warmer than the 1991-2020 average and 1.48°C warmer than the pre-industrial level

of 1850-1900.

A 12-month period ending in January or February 2024 is likely to exceed the 1.5°C pre-industrial level.

For the first time on record, every day in 2023 surpassed 1°C above the pre-industrial level, with close to 50% of days exceeding 1.5°C.

Annual average air temperatures set records or approached record levels across major ocean basins and continents, excluding Australia.

Each month from June to December 2023 was warmer than the corresponding month in any previous year.

July and August 2023 ranked as the warmest two months on record, making the boreal summer the warmest season recorded.

September 2023 had the largest temperature deviation above the 1991-2020 average in the ERA5 dataset.

Globally, December 2023 was the warmest on record, with an average temperature of 13.51°C, exceeding the 1991-2020 average by 0.85°C and the pre-industrial level by 1.78°C.

Ocean Surface Temperature Highlights:

Global average sea surface temperatures (SSTs) remained persistently high from April to December, reaching record levels.

A transition to El Niño occurred in 2023, following the end of La Niña in spring, declared by the WMO in July.

High SSTs, particularly in the North Atlantic, contributed signifi-

cantly to the record-breaking global SSTs.

Unprecedented SSTs led to marine heatwaves worldwide, affecting regions such as the Mediterranean, Gulf of Mexico, Caribbean, Indian Ocean, North Pacific, and much of the North Atlantic.

European Temperature Highlights:

Europe experienced its second-warmest year in 2023, surpassing the 1991-2020 average by 1.02°C but trailing 2020, the warmest year, by 0.17°C.

Above-average temperatures prevailed for 11 months, with September being the warmest on record.

The European winter (December 2022 – February 2023) ranked as the second-warmest on record.

The average temperature for the European summer (June-August) was 19.63°C, making it the fifth-warmest on record, exceeding the average by 0.83°C.

European autumn (September-November) had an average temperature of 10.96°C, the second-warmest on record, just 0.03°C cooler than autumn 2020.

These alarming climate statistics highlight the urgent need for global action to mitigate and adapt to the consequences of climate change, underlining the pressing importance of international cooperation to address this unprecedented challenge.

EXHIBITIONS

In Eero Järnefelt's exhibition fascinates the big and small themes of nature



From 5.4.–25.8.2024, the Ateneum Art Museum will host an exhibition covering the entire career of the masterful nature and portrait artist Eero Järnefelt (1863–1937), who sought emotion and truth. The exhibition presents the extensive work of a cosmopolitan cultural family and the artist's significance for Finnish art and Finnishness. Diverse descriptions of nature make one wonder whether the nature depicted by the artist in the 1800s and 1900s still exists.

Järnefelt sought to capture the essential elements of his works. Eero Järnefelt's art stems from his family's interesting cultural background and is characterised by the pursuit of essential features from nature as well as people. The artist was able to depict his subjects with detailed precision, delicate atmosphere and festive monumentality.

The exhibition sheds light on differ-

ent aspects of Järnefelt's conception of landscape and people. It also provides information about the Järnefelt family, his family, study trips, home conditions in Suviranna on Lake Tuusula and the connection of his art to the Finnish thinking of his time.

Järnefelt's paintings of nature and landscapes from Koli make you wonder whether the nature depicted by the artist in the 1800s and 1900s still exists – and what our relationship is to nature and landscapes today. In the artist's works, the magnificent landscapes of danger as well as the delicate details of the buttercup and the casserole are treated equally.

Järnefelt is also known for his portraits of prominent figures of his time. Included are interesting portraits of journalist, doctor and Member of Parliament Tekla Hultin and Mathilda Wrede, who dedicated her life to helping prisoners and the underprivileged.

The exhibition also includes a route designed for visitors with children, which encourages people to look at the works and discuss them from the

children's point of view.

The curator of the exhibition is Timo Huusko, Chief Curator of the Ateneum. Most of the works come from the collection of the Finnish National Gallery, but there are also plenty of loans from other museums and private collections. More than 200 works are on display.

The family's influence on Finnish cultural life was enormous

In the exhibition, you can also get to know the Järnefelt family and close family, whose influence on art and culture at the turn of the 1800s and 1900s was enormous. The Järnefelt siblings, critic Kasper, writer Arvid, musician Armas and later known as Jean Sibelius's spouse Aino, are remembered not only as authors of visual art, literature and music, but also as part of a wider network of cultural actors.

Eero Järnefelt's father, Alexander Järnefelt, made the development of the Finnish national movement his life's mission. Mother Elisabeth Järnefelt is especially remembered for her literary salon, the most famous participant of which was Juhani Aho.

RUSSIA'S UNPROVOKED ATTACK ON UKRAINE

Volodymyr Zelenskyy: "Talks between Ukraine and Türkiye are always sincere and fruitful."

UKRAINE

Volodymyr Zelenskyy handed over a list of Ukrainian citizens detained by Russia during the meeting with Recep Tayyip Erdoğan

As part of his working visit to Türkiye, President of Ukraine Volodymyr Zelenskyy met with President of the Republic of Türkiye Recep Tayyip Erdoğan.

The negotiations took place in a narrow circle and with the participation of delegations.

"Talks between Ukraine and Türkiye are always sincere and fruitful. The obvious priority is that we are trying to enhance our security and our strength as much as possible, to quickly restore a just peace for all our land and all our people, and for the Black Sea region," said the Head of the Ukrainian state during a meeting with media representatives following the negotiations with the President of Türkiye in Istanbul.

Volodymyr Zelenskyy thanked Recep Tayyip Erdoğan and the people of Türkiye for their support of our state's independence and territorial integrity and all our people. He separately expressed gratitude to the Turkish leader for efforts to release Ukrainian citizens from Russian captivity.

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RUSSIA

Operation to liberate Donbass has lasted more than two years - Gone according to plan?

In an article published by Izvestia two years ago, 25.2.22, Dmitry Abzalov, chairman of the Center for Strategic Communications, predicted that the operation to liberate Donbass and other regions would take about five days. The question now is - how has this prediction held up?

According to Abzalov, the operation should last for a baseline period, especially outside large cities. He mentioned that the eastern, central and southern regions could probably be liberated, and possibly a corridor to Transnistria could be made - all in about five days.

However, within almost two years, it is reasonable to ask, has everything gone according to plan? More than two years have passed since the liberation of Operation Donbass, and the situation raises concerns about how well the initial forecasts corresponded to reality.

Russia's chess icon Garry Kasparov ends up on extremist list - "An honor", says the champion

Russia's famous chess grandmaster Garry Kasparov has officially been added to the Russian extremist list

published by Putin's regime on Wednesday. Kasparov, who has previously been highly critical of the Kremlin, responds to his new status as a "terrorist and extremist" with a comment that sheds light on the current political climate in Russia.



"An honor," Kasparov says ironically about being on the list of those whom the regime considers a threat. "That says more about Putin's fascist regime than it does about me."

Referring to the American politician Barry Goldwater, Kasparov quotes: "Extremism in the defense of freedom is not vice and moderation in the pursuit of justice is not a virtue!" The Master thus expresses his commitment to democratic values and his readiness to stand up for freedom and justice, regardless of the imposed labels of the regime.

At a time when opposition and decency seem to be classified as extremist acts by the Russian dictatorship, Kasparov continues to be a prominent voice for democracy and human rights. His placement on the extremist list can be seen as a symbol of the increasing pressure on critics and opposition figures in Russia, where expressions of opinion and the search for justice risk being characterized as threats to the regime.

HUMOUR ONE HUNDRED YEARS AGO

WHERE THE CHILDREN COME FROM

There was a group of three flamboyantly dressed very little girls, with barks and ribbons and precious toys and neighbor dolls, and near them was playing on the sand a poor little girl of about the same age, scantily clad and with a home-made primitive doll in her arms. The three fine children discussed the interesting question of where they came from, which proved a highly interesting topic for toddler speculation.

— I come from a rose, mother said, uttered one of the little living dolls.

— And me again, interjected No. 2, I must have come from a head of cabbage.

"I, yes I was picked up by a stork," said number three. Whereupon she, who had come out of a rose, scornfully and proudly turned to the poor little scantily clad girl child, and said nobly:

— And you, there, where did you come from?

— Alas, answered little Cinderella, we are so poor, so terribly poor back home, that mother and father have to make their children themselves.

DAMN LUCK

— Hello, my lord, cried the energetic flower seller, buy some flowers for your darling.

- I have no sweetheart, said the young man.

- Then buy some flowers for your wife.

— I have no wife.

- Well, lucky cheese, then buy some flowers to celebrate your damn luck.

THE CUCKOO

The teacher (who told about the cuckoo):

— Well, what is it in the main that you now know about the cuckoo?

Student:

— It does not lay its own eggs.

OVERWEIGHT

Editor Julie Hirn was famously in possession of an impressive body shack. One day he came walking down the Esplanade. At the corner of Mikaelsgatan, a group of boys stood and gaped open-mouthed at the sight of Hirn's vastly

enlarged body. 1 lim stops wide-legged in front of them and thunders with grave seriousness:

— What are you staring at, boys. Have you never seen a full grown man before?

ABOUT DOGS WITH LONG HAIR

— How do they know which end the dog's head is on when it has such long hair?

— They must listen to which duck is barking.

DOG TAX

— I wish I were a dog

— Why?

— Well, then someone else should pay my taxes.

HEREDITY

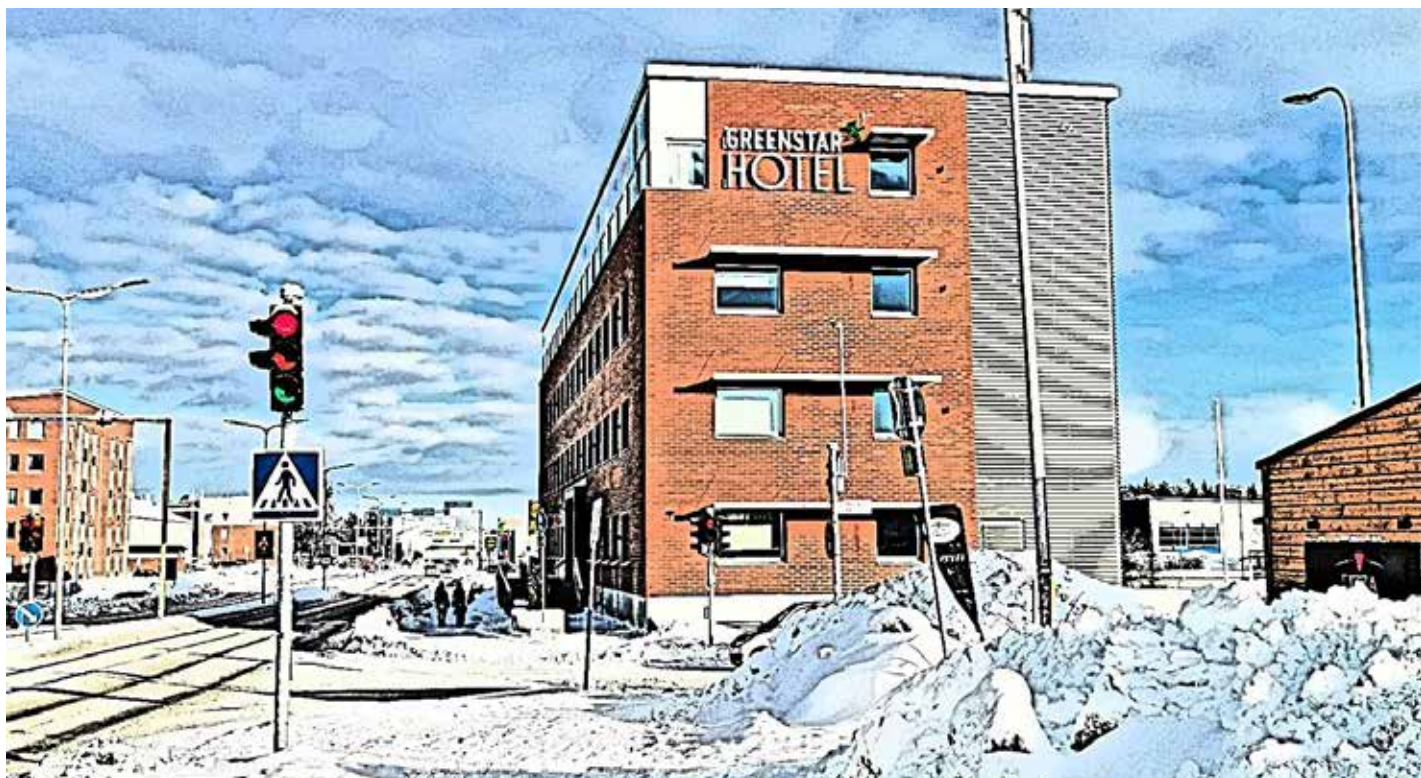
The teacher (ending a long and boring lecture about his wonderful and profound soul):

— Stupidity is hereditary like all spiritual qualities.

One of the students:

— Why do you speak so badly of your parents?

What house is this?



Last weeks house:
The Opisto House

This weeks astronomical picture:



Saturn (planet) large.jpg

This true color picture was assembled from Voyager 2 Saturn images obtained Aug. 4 [1981] from a distance of 21 million kilometers (13 million miles) on the spacecraft's approach trajectory. Three of Saturn's icy moons are evident at left. They are, in order of distance from the planet: Tethys, 1,050 km. (652 mi.) in diameter; Dione, 1,120 km. (696 mi.); and Rhea, 1,530 km. (951 mi.). The shadow of Tethys appears on Saturn's southern hemisphere. A fourth satellite, Mimas, is less evident, appearing as a bright spot a quarter-inch in from the planet's limb about half an inch above Tethys; the shadow of Mimas appears on the planet about three-quarters of an inch directly above that of Tethys. The pastel and yellow hues on the planet reveal many contrasting bright and darker bands in both hemispheres of Saturn's weather system. The Voyager project is managed for NASA by the Jet Propulsion Laboratory, Pasadena, California, United States.

Voyager 2
 Public domain

A PIECE OF WAVE

The father: Does the chieftain think you can provide for my daughter without going bankrupt?

Suitor: Of course.

Father: It's more than I can handle, take her and try to be happy.

BARGAIN

— You claim that you have a fixed price and yet that lady was allowed to haggle for a full 200 marks.

- Absolutely, but she didn't come below the fixed price.

TAIL

Putte sees an unassuming snake and calls out to his mother: "Mother, mother, here's a tail crawling in the grass, whose does it belong to?"

BIG EGGS

A gentleman asked a German lady which animal lays the biggest eggs.

The lady: "Der Elephant, I believe."

The gentleman: »Nein der Strauss«.

The lady: »Ach so, der berühmte Komponist!«.

From our readers

We very much welcome submissions from our readers. Comments, stories, memories, debate, news from home. Probably this will be the most important part of this spring paper. But space is limited, so please write as short as possible! So please send posts to: wasadagblad@gmail-com

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