

PARFAIT Round 9

Freelance

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with sagacious advice from Matt Lafer
and moral support from Leo Wolpert and Adam Bishop

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1 Freelance Tossups, Round 9

1. The composer quoted a melody from his earlier bass arietta, “Un Bacio di Mano,” near the end of this work’s first movement, whose dramatic beginning uses fast ascending triplets to connect the three powerful C chords that open it. A muted Andante Cantabile movement in F major and a minuet with a descending chromatic theme follow, while the final Allegro Molto movement takes the unconventional form of a fugue. This C major symphony’s epic nickname first appeared in print decades later when it was published in London in 1823. FTP, identify this last symphony of Wolfgang Mozart, named for an Olympian.

Answer: Jupiter Symphony or Symphony No. 41 in C Major

2. Notable events include pretending to have lost an amethyst brooch; getting one’s under-aged bosom friend drunk on currant wine; attempting and failing to walk on the roof, resulting in fainting from a broken ankle; going to Queen’s College; a hair dye job gone horribly wrong; a brown silk dress with puffed sleeves; treating a child with croup; and forgetting the flour in a cake. And of course, Gilbert Blythe whispering “carrots!” at Miss Shirley. Matthew and Marilla want a boy to help out at the title farm, but the orphanage sends a girl instead. For ten points, name this L.M. Montgomery book about the title high-spirited girl growing up on Prince Edward Island.

Answer: Anne of Green Gables

3. Elaine Wherry conducted the ethnographic design, Tony Fadell designed the interface, and Synaptics created the innovative capacitive sensors that could detect skin contact. The first and second generations used an optical chopper for the wheel, while later ones used a sawtooth pulse. The first offered menus in English, French, German, and Japanese, and a 60 milliwatt amplifier. Slashdot panned it as “No wireless. Less space than a nomad. Lame.” although it lauded its Firewire interface. For ten points, name this iTunes enabled media player from Apple.

Answer: iPod

4. For a homogeneous transmission line, the square of this property is equal to the ratio of the inductance density and capacitance density. For an EM wave, the propagation version of this property is inversely proportional to the propagation velocity and is purely real, whereas in a lumped AC circuit, this value is generally complex, but is purely real for a resistive load. This electromagnetic property is the inverse of the admittance and is generally symbolized Z [“capital Z”]. For 10 points, name this generalization of the resistance.

Answer: impedance

5. It is the source of three eponymous meteor showers: the Eta, Theta, and Pi, all of which occur from mid-February to April. Its eponymous supercluster is located near its northern border with *Coma Berenices*, while the southern end contains the Sombrero galaxy, located near this constellation’s border with *Corvus*. Its brighter stars include Porrima, Auva, Zavijah, and its alpha star, Spica. FTP, name this constellation situated

between *Leo* and *Libra*, with a name that translates as “The Maiden.”

Answer: Virgo (prompt on an early buzz of “The Maiden”)

6. The earliest version of it can be found in the Peniarth series of manuscripts, which dates to the 1200’s. Its name most accurately applies to a collection that tells the stories of Math and Manawydan in the last two of its four parts, though it can also be appended with independent tales like “The Dream of Maxen” and “Lludd and Llefelys” and a trio of Romances. First used to describe a translation by Lady Charlotte Guest that also featured the story of Taliesin, this is the title of, FTP, what most well-known collection of Welsh folk tales?

Answer: Mabinogion or Mabinogi

7. In “An Awakening,” its protagonist loses a fight with Ed Handby over Belle Carpenter. Earlier, its protagonist receives a letter saying “I’m yours if you want me” and goes off to meet Louise Trunnion for a brief encounter in “Nobody Knows.” Other characters that interact with the protagonist are Doctor Parcival and Doctor Reefy, as well as Seth Richmond in “The Thinker” and the reclusive Wing Biddlebaum in the opening story, “Hands.” FTP, name this collection of stories that ends with reporter George Willard leaving the titular small town, a work by Sherwood Anderson.

Answer: Winesberg, Ohio

8. He consulted heavily with Paddy Cheyefsky and Dalton Trumbo while working on his early stories and character sketches, well after the completion of his poetry volume *Permit Me Voyage*. The Prologue to his lone novel was originally a Partisan Review essay on childhood and was eventually set to music by Samuel Barber. That work opens with Rufus being taken to see a Chaplin movie by his father, before his father brags of his reading abilities in a bar, and ends with a butterfly appearing on Jay’s coffin. For 10 points, name this influential film critic and screenwriter, who wrote *The Morning Watch* and *Let Us Now Praise Famous Men* as well as *A Death in the Family*.

Answer: James Agee

9. Guy du Faur de Pibrac wrote an apology in defense of this event, while the historian De Thou provided an oft-cited eyewitness account. The Duke of Guise and Henri, the Duke of Anjou were among those involved in the planning of this event, which was preceded a day earlier by an assassination attempt on Gaspard de Coligny, who was one of the roughly 70,000 killed. First erupting after the wedding festivities of Henri of Navarre and Margaret of Valois in Paris, this is FTP, what Catherine de Medici-ordered slaughter of Huguenots?

Answer: St. Bartholomew’s Day Massacre

10. Ernest May was originally asked to be the day-to-day overseer of their creation, though he turned the job down and Leslie Gelb was appointed to head the project with Morton Halperin. Fifteen closely guarded-copies were made of the 47 volume set, though Senator Mike Gravel made many of them public by printing them in the Congressional Record. Reporter Neal Sheehan was illegally given a copy by a disgruntled RAND Corporation employee named Daniel Ellsberg, and the Supreme Court case *New York Times v. U.S.* dealt with the government’s effort to prevent newspapers from publishing them. FTP,

name this series of top secret documents produced by the Department of Defense as a study of the Vietnam War.

***Answer:* Pentagon Papers**

11. Inclusion of a Lorentz-type body force term in this equation yields the ideal MHD equation, while line integration of this equation along a streamline yields Bernoulli's principle. The standard form of this statement contains the Laplacian of the velocity components because its primitive version contains the divergence of the fluid stress tensor, and the continuity equation can be used to transform this equation to conservation form. For 10 points, name this non-linear partial differential equation representing momentum conservation in an incompressible, ideal Newtonian fluid.

***Answer:* Navier-Stokes equation(s) or N-S equation(s)**

12. Middle chapters of this work feature illustrations including a sequence of vessels floating in a stream of urine to demonstrate the meaning of the thoughts of a French nanny. Many versions of this work have appended a paper by the same author about the culmination of a premonitory version of the titular phenomenon; the secondary revision of that phenomenon is postulated in this book's sixth chapter, on that phenomenon's namesake "work." Chapter Five discusses typical examples, including those about the death of beloved persons and embarrassing examples involving nudity. For 10 points, name this epochal book that attempts to explain unconscious thoughts as the fulfillment of wishes, the 1900 work of Sigmund Freud.

***Answer:* The Interpretation of Dreams or Die Traumdeutung**

13. The most prominent example of this event was conducted under the auspices of The Weepers and an army of child spies, and it involved a pyramid measuring sixty feet on each side. It was a cause of the riot of the Compagnacci, and as it occurred, a sermon was preached denouncing "Popes and prelates" for being "plunged up to their ears" in "pride and ambition," which raised the ire of Alexander VI. Botticelli contributed many of his own paintings, while masks, cosmetics, playing cards, and musical instruments were also targeted in this occurrence at the Piazza della Signoria during the carnival of 1497. For 10 points, name this event conducted by Girolamo Savonarola in which the citizens of Florence purged themselves of unspiritual objects.

***Answer:* the bonfires of the vanities [pretty much never called anything else, but if someone gives an early answer clearly referring to Savonarola and burning stuff, you should take it]**

14. Types I and III of these biological entities are part of large complexes with their antagonist methylases. These macromolecules operate by hydrolyzing phosphodiester bonds and were discovered by Arber, Smith, and Nathans. The operative sites for the second type of these proteins are generally symmetric and four to eight base pairs in length, but the cuts resulting from the reactions they catalyze are often asymmetrical, giving rise to sticky ends of DNA fragments. For 10 points, name these enzymes indispensable in creating recombinant DNA because they cleave DNA at specific molecular sites.

***Answer:* restriction enzymes (or restriction endonucleases; prompt on "endonucleases")**

15. Believed to exist as revived versions of the mystic Chenrezig, they have historically resided in the Norbulingka and Potala palaces, alternating seasonally between the two. They were bestowed their common title in a meeting at Lake Kokonor between Altan Khan and Sonam Gyatso, the third one. Gedun Drub was the first of the present line and began the use of the *tulku* system, in which succession of this office is bestowed upon a small child who is sought out under the belief that he is reincarnation of the prior holder. FTP, give this term for the highest spiritual leader of Tibetan Buddhism.

Answer: Dalai Lama or Gyalwa Rinpoche or Yeshe Norbu

16. In his final adventure he slays a horde of elephants while perched in a tree, freeing himself from the bonds of slavery he had entered after being kidnapped by pirates while returning from the Isle of Serendib. Much like Odysseus, he and his men blind a one-eyed giant with a burning stake in his third adventure. More memorably, he struggles to escape the grasp of the Old Man of the Sea on his fifth outing and goes on an expedition to the Diamond Valley that sees him wind up in the nest of a giant roc on his second trip. FTP, name this sailor whose seven voyages are recounted in the *Arabian Nights*.

Answer: Sinbad the Sailor or Sindbad the Sailor

17. Callimachus and Simplicius credited him with writing a guide to celestial navigation, while Diogenes Laertius wrote that his entire output consisted of two treatises: *On the Solstice* and *On the Equinox*. He broke from tradition by ignoring mythology and the supernatural and seeking to explain worldly phenomena, like earthquakes and the dimensions of earth in naturalistic terms. Pythagoras and Anaximander were notable pupils of this man, whose cosmological doctrine is commonly simplified to say that the principle substance of the world is water. FTP, who is this thinker from Miletus, often labeled as the first philosopher?

Answer: Thales of Miletus

18. In 2001, the state in which this structure is located began building another one running parallel to its current version, hoping to ease traffic problems. Designed in 1950 by Dexter Smith and Charles Andrew, it was built as a four lane highway with reinforced trusses to correct the problems of the original, and most remembered one, that was designed in 1940 by Leon Moisseff to provide access to Gig Harbor. Reporter Leonard Coatsworth provided a firsthand account of the last day of the original one, as he was driving across it when it started to sway violently before its failure. FTP, name this Washington bridge that, before its collapse, was nicknamed “Galloping Gertie.”

Answer: Tacoma Narrows Bridge (prompt on “Galloping Gertie”)

19. Comic relief is provided by the inept neighbor Telegin, who lurks around the estate, occasionally plays his guitar, and bears the nickname “Waffles” for his scarred face. The pathetic existence of the title character is cemented by his inability to successfully shoot his ex-brother-in-law and his attempt to present a bouquet of roses, only to find the physician Astrov in an embrace with his own love object Yelena, the wife of the professor and estate owner Serebryakov. FTP, name this Anton Chekhov play whose title character is formally named Ivan Voynitsky.

Answer: Uncle Vanya or Dyadya Vanya

20. He once told the Duke of Newcastle that it was “his duty to insult England, and he meant to do so,” and he later tried to convince the President to provoke a war with Britain to distract Americans from domestic events. After serving four years as a New York state senator for the Anti-Masonic Party, he became governor of that state as a Whig and later a U.S. Senator. In the Senate, he denounced the Compromise of 1850 in the “higher law” speech, and his other anti-slavery efforts caused Lewis Powell to stab him in the throat on the same night that Booth shot Lincoln. For 10 points, name this Secretary of State throughout the 1860s, who paid Russia for Alaska in a purchase known as his “folly.”

***Answer:* William Henry Seward**

2 Freelance Bonuses, Round 9

1. For your token geography bonus, answer the following about controversy surrounding the Seven Summits, FTSNOP.

5, 15 Five for one, fifteen for both: disagreement on whether the Caucasus Mountains count as part of Europe has raised questions over whether this Russian peak or this tallest mountain in the Alps should be Europe's member of the Seven Summits.

Answer: Mount Elbrus and Mount Blanc

5, 15 Five for one, fifteen for both: disagreement on whether Oceania counts as part of Australia has raised questions over whether this Australian mountain named for a Polish general or this 16,000 foot peak in Indonesia's side of New Guinea should be Australia's member.

Answer: Mount Kosciusko and Carstensz Pyramid or Punchak Jaya (accept "Mount Carstensz" or "Mount Jaya")

2. Name these video games that might be more controversial if released today than they were originally, for 10 points each.

10 In this Enix title for the SNES, Gaia guides the player through the various ages of the Earth as he is changed by "mysterious time stream." The objective is to kill and eat enough other animals to evolve into a higher animal and find Eden, just like in real life.

Answer: EVO: The Search for Eden

10 This infamous Mystique title for the Atari 2600 has the player portraying the titular American colonel, who is naked and has a hankering to perform some semi-consensual sexual acts on a bound Indian girl. Look out for arrows in your junk.

Answer: Custer's Revenge

10 This 1990 Rareware 2-on-2 basketball title for the NES was sponsored by British Knights and features such characters as the "top shooter" Lewis and "tough and mean" Mohawk. Gameplay emphasizes the players' skills at punching opposing team members and dodging debris thrown by the crowd.

Answer: Arch Rivals: A Basketbrawl! (do not accept or prompt on just "Basketbrawl," which is a different game)

3. Stuff about a prince, FTPE.

10 Though born to a French family, he made his name leading the Austrian forces against the French in the War of Spanish Succession, with his greatest victory coming at Blenheim.

Answer: Eugene of Savoy

10 Eugene and his ally the Duke of Marlborough had less resounding success in this 1709 battle near the France-Belgium border, a Pyrrhic victory that saw over 20,000 casualties on their side.

Answer: Battle of Malplaquet

10 Even after the Treaty of Utrecht was signed, fighting between Austria and France continued until Eugene and French Marshal Villars negotiated this March 1714 treaty, which was itself supplemented by the Treaty of Baden.

***Answer:* Treaty of Rastatt**

4. Identify these British plays with a common character element, FTPE.

10 Giovanni impregnates the title character, his sister Annabella, and kills her and her husband-to-be Soranzo at the end of this John Ford play.

***Answer:* 'Tis Pity She's a Whore**

10 The prostitute Doll Common aids the con artist, Face, and the "miracle-working" title character, Subtle, in this Elizabethan comedy.

***Answer:* The Alchemist**

10 The vague title of this controversial George Bernard Shaw play is clarified when Vivie learns that her mother Kitty, the title character, made her fortune in the prostitution business.

***Answer:* Miss Warren's Profession**

5. Name these delicious insurrections for 10 points each.

10 George Washington sent Lighthouse Harry Lee to dispel this 1794 uprising against tax collectors by Pennsylvania farmers under David Bradford.

***Answer:* Whiskey Rebellion**

10 This 1808 action against Governor William Bligh by the New South Wales Corps under George Johnston was in protest of the arrest of John Macarthur and was ended by the arrival of new governor Lachlan Macquarie.

***Answer:* Rum Rebellion**

10 A 1729 act of Parliament increasing the tax on a popular vice in Britain resulted in years of resentment, culminating in this 1743 action in London, which led to a reduction of the price controls and a subsequent eight million gallon a year industry.

***Answer:* Gin Riots**

6. That Hilbert guy sure proposed a lot of problems. For ten points each . . .

10 Hilbert's first problem asks for a proof or disproof of this statement, which claims that there is no set with cardinality between that of the integers and that of the real numbers.

***Answer:* continuum hypothesis or Mächtigkeit des Kontinuums**

10 The tenth problem asked for an algorithm to solve these types of equations that are required to have integer solutions; it has since been shown that no such algorithm can exist.

***Answer:* Diophantine equations**

10 Emil Artin solved the problem of finding a generalized one of these for abelian extensions of the rational numbers.

Answer: reciprocity theorem

7. Answer some related law questions, FTPE.

10 In this document format, empirical data and sociological information are presented in a report to provide extra-legal arguments for a case. It is named for its creator, the first Jewish Supreme Court justice.

Answer: Brandeis brief

10 The Brandeis brief was first used in this 1908 Supreme Court case, where the Court upheld a state law limiting the working hours for women in factories.

Answer: Muller v. Oregon

10 *Muller v. Oregon* partially overturned this 1905 decision that struck down a state law limiting the working hours of bakers.

Answer: Lochner v. New York

8. This man twice failed the scholar's exam, but still wrote such lines as "fragrant mist, cloud hair, wet;/ limpid light, jade-arm cold" in his "Moonlit Night" or "Yüeh yeh." For 10 points each:

10 Name this Confucian T'ang poet whose work was not translated by Arthur Waley or Ezra Pound.

Answer: Du Fu or Tu Fu

10 Like Li Po, Du Fu often liked to write about this non-alcoholic object, which was "Broken," with "no one to rap its rim" in a titular homage to traveling by it. Li Po said that if life was not gratifying, one should relax in a tiny one.

Answer: a boat or equivalents

10 In their work, both poets paid homage to this classic text, likely assembled centuries prior to Confucius in the early Zhou ("joe") dynasty, which contains four sections, kuo feng, smaller ya, greater ya and sung.

Answer: Shih Ching or Shi Jing or Book of Poetry or Book of Songs or Book of Order or Book of Odes

9. This author of Operation Overflight was shot down in 1960 over Sverdlovsk. For 10 points each:

10 Name this American pilot accused of spying on the Soviet Union.

Answer: Francis Gary Powers

10 Powers was flying this model of single-seat reconnaissance craft, in use from 1955 to the emergence of the SR-71 later in the 60s, which gave its name to the affair.

Answer: U-2 (prompt on Black Lady)

10 Powers was sentenced to ten years imprisonment at a Soviet trial, but served less than two before being exchanged, along with Frederic Pryor, for this British-born man convicted of espionage on behalf of the USSR in America.

Answer: Rudolf Abel (or Emil R. Goldfus; or Andrew Kayotis; or William August Fisher)

10. Name these areas coveted by Hitler for 10 points each.

10 This German-populated region of Czechoslovakia had its own Nazi Party led by Konrad Henlein and Karl Franck supporting Hitler's demands for it, which were met by Britain and France at the Munich conference.

Answer: Sudetenland

10 The treaties of Versailles and Locarno specified a thirty-kilometer demilitarized zone on the German side of this riverbank border zone, but in March 1936 Hitler sent troops to reoccupy it in order to test France's will to enforce the treaties.

Answer: Rhineland or Rhénanie

10 This area, constructed in order to give the namesake country access to the Baltic, incorporated the province of Posen and separated East Prussia from the rest of Germany.

Answer: Polish Corridor

11. Yet another bonus on Willa Cather novels from plots, FTPE.

10 The titular architect finds himself torn between a boring marriage to Winifred and passionate affair with Hilda Burgoyne, his mistress in London.

Answer: Alexander's Bridge

10 Father Jean LaTour works with Father Joseph Valiant to organize a Catholic diocese in the New Mexico territory.

Answer: Death Comes for the Archbishop

10 Thea Kronborg, a farm girl from Moonstone, Colorado, travels to Chicago to study music and discovers her vocal talent in this work based on the life of soprano diva Olive Fremstad.

Answer: The Song of the Lark

12. Answer the following about an oft-quoted philosopher, FTPE.

10 This Spanish-American thinker wrote in his work, *The Life of Reason*, "Those who cannot remember the past are condemned to repeat it."

Answer: George Santayana

10 In this work, Santayana tries to reconcile a titular form of inquisitive thinking with the other titular concept, a tendency for people to follow biological instincts and delude themselves in myth.

Answer: Scepticism and Animal Faith

- 10 At Harvard, Santayana studied under this leading pragmatist and author of *The Principles of Psychology*.
Answer: William James
13. Name these works by Leonardo da Vinci, for 10 points each.
- 10 In this painting, Mary wears a dark blue robe and sits in a cavern with Jesus, John the Baptist, and the angel Uriel.
Answer: Madonna of the Rocks or Virgin of the Rocks
- 10 Leonardo's best-known anatomical sketch, this drawing shows a nude male inside a circle, with two superimposed renditions of each arm and leg to analyze motion.
Answer: Vitruvian Man
- 10 Leonardo never completed this 1482 work, leaving only a gold and brown-toned underpainting. In it, Mary sits in the center while numerous gawkers surround her and stare in awe at the baby Jesus in her lap.
Answer: Adoration of the Magi
14. Identify these notable authors who have released novels in the last two years for 10 points each.
- 10 His *Shalimar The Clown*, which details the conflict between Hindus and Muslims in a Kashmiri village, has been better received than his *Fury*, but fails to compare with his allegorical *Haroun and The Sea of Stories*.
Answer: Salman Rushdie
- 10 She returned to science fiction with her post-apocalyptic tale of Snowman, *Oryx and Crake*. Previous forays into the realm include *Lady Oracle* and *The Handmaid's Tale*.
Answer: Margaret Atwood
- 10 Though MC Paul Barman insists she "takes off her clothes quick," this author is noted for the restraint shown in classically influenced works like *The Puttermessaer Papers*, *Heir to the Glimmering World*, and the concentration camp tale of Rosa, Stella and Magda, "The Shawl."
Answer: Cynthia Ozick
15. Name these human hormones for 10 points each.
- 10 Produced by the anterior pituitary gland, this hormone stimulates the production of milk from the mammary glands and causes the corpus luteum to produce progesterone.
Answer: prolactin
- 10 This hormone originates in the adrenal glands and acts to regulate the reabsorption of sodium by the kidneys and, thus, helps to ensure osmoregulation and water balance.
Answer: aldosterone

- 10 The delta cells of the islets of Langerhans secrete this inhibitory hormone, which prevents the release of growth hormone and can induce release of insulin or glucagon.
Answer: somatostatin
16. FTPE, answer the following about a Catholic sacrament.
- 10 Consisting of seven gradually ascending steps, this sacrament describes the process by which priests are invested with the authority to perform various duties and, eventually, issue sacraments.
Answer: Holy Orders or ordination
- 10 Before being given the Holy Orders, candidates would traditionally be initiated into the clerical order by this process, named for the shearing of the hair of candidates that it entailed.
Answer: tonsure
- 10 Preceding the official status of “priest” is this lowest of the Major Orders, whose title translates to “servant.” Those who hold this office assist in baptisms and weddings and help administrate local parish duties.
Answer: deacon or diakonos
17. Answer these related questions about electromagnetism, FTPE.
- 10 It is a long coil of wire that generates a uniform magnetic field when current passes through it.
Answer: solenoid
- 10 This law, an analogue of Gauss’ Law, is used for magnetic field calculations of a solenoid. It relates the path integral of the magnetic field around a closed loop to the amount of current passing through it.
Answer: Ampere’s Law
- 10 As Ampere’s law states, the sum of the length elements times the magnetic field in that direction is equal to product of the amount of current and this constant.
Answer: permeability of free space (do not accept “permittivity”)
18. Identify the following regarding unconventional chamber music pieces, FTPE.
- 10 Instead of building off the traditional string quartet ensemble, Franz Schubert replaced the second violin part with a bass for this piano quintet in A Major, Op. 114.
Answer: Trout Quintet or Die Forelle
- 10 The *Octet for Strings* was the lasting chamber music contribution of this composer of the oratorio *Elijah* and the *Scotch* and *Italian* symphonies.
Answer: Felix Mendelssohn-Bartholdy

- 10 This eight movement piece calls for a violinist, cellist, clarinet player, and a pianist, who were the only musicians its composer had access to when it was composed in a Nazi prison camp.

Answer: Quartet for the End of Time or Quatuor Pour La Fin Du Temps

19. This fundamental representation of a chemical bond is simply the probability density for a multielectron wavefunction in a multinuclear potential. For 10 points each:

- 10 Name this concept which, for simple cases, comes in bonding and anti-bonding varieties.

Answer: molecular orbitals (prompt on orbitals)

- 10 This widely used approximate method for calculating molecular orbitals was introduced by Lennard-Jones in 1929. In it, one assumes that the molecular wavefunction is representable as a weighted combination of single nucleus wavefunctions.

Answer: linear combination of atomic orbitals approximation

- 10 In a proper semi-classical limit, molecular orbital theory makes the same predictions as this simple model for molecular orientation, which predicts such familiar shapes as bent, linear, and trigonal planar.

Answer: valence shell electron pair repulsion theory (accept “vesper”)

20. Answer the following about a Norse god, FTPE.

- 10 This Vanir fertility god, husband of the giantess Gerd, and owner of the golden boar Gullinbursti is fated to die at the hands of the fire giant Surt at Ragnarok.

Answer: Frey or Freyr

- 10 Frey is also the ruler of this land, the home of the fairies and the light elves.

Answer: Alfheim

- 10 The dwarves built for Frey this magic ship, which could be folded up and carried in his pocket.

Answer: Skidbladnir