

# Benedictas Mikulis Memorial Singles

## Round 2

Jerry Vinokurov

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1. Nephridia remove waste from hemolymph of this phylum of animals with a cavity housing gills used for gas exchange in addition to an anus. Nudibranchs and chitons belong to this coelomate phylum, which like Annelida, has ciliated larva called trochophore. It includes limpets, nautilus, and the extinct ammonites, and feeds by scraping food with a radula. An unsegmented protostome, it has a mantle, a calcium carbonate shell, a muscular foot, and a visceral mass of organs. FTP name this phylum of Gastropoda, Bivalvia, and Cephalopoda, including snails, clams, and squids.

Answer: **Mollusca** or **mollusk**

2. It was conceived as a response to Stephen Gosson's *The School of Abuse* and followed on the footsteps of an earlier similar work by Thomas Lodge. Among those singled out for praise in this work are those who imitated the "inconceivable excellences of God," and the author also finds philosophy too general and history too particular to compete with the title concept for the place of *Architectonike*. This work's author berates the *Mysomousoi* and notes that seven cities wanted Homer for a citizen while many banished philosophers as "not fit... to live among them." Blaming those who ape practitioners of the title art for its ill repute and noting that "no philosopher's precepts can sooner make you an honest man than the reading of Virgil," for ten points, identify this essay which urges people not to "jest a the revernt title of a 'rhymmer'," written by Sir Philip Sidney.

Answer: **Defence of Poesie**

3. Following Napoleon's defeat at Waterloo, this man secured the peaceful withdrawal of the French armies covering Paris, and Chateaubriand described his and Talleyrand's presentation of themselves to Louis XVIII as "vice leaning on the arm of crime." An opponent of the Concordat of 1802, this man, though an anti-clericalist, sheltered many priests during the terror, and in 1794, he had a brief tenure as president of the Jacobin society. After Napoleon's coup, he was made envoy to Milan and then The Hague before assuming his most famous post, in which he served Napoleon intermittently from 1799 until 1810, during which time he was made Duke of Otranto. His independent negotiations with England led to his 1810 disgrace, and he resumed his most famous post once more under Napoleon during the Hundred Days, and again under Louis XVIII before being proscribed as a regicide in 1816. For ten points, identify this Frenchman, most famous as the head of the French secret police during the First Empire.

Answer: Joseph **Fouche**

4. This painting inspired and gave its name to the final movement of *The Venetian Collection* by Johan de Meij, which depicted in music four paintings from the Guggenheim museum in Venice. A tree in the foreground of this painting breaks the separation of the sky from the scene in the lower half, and that tree's trunk is located next to two lit windows, which can be seen on the left-hand side. This work also illustrates the cover of and gives its name to a history of photonics written by physicist Sidney Perkowitz, and there is a lake in the lower half of this painting which reflects the house depicted, the aforementioned tree, and

this painting's most conspicuous object. Consisting of a blue sky with puffy clouds overlooking a nighttime street, for ten points, identify this painting in which a single lamppost illuminates the lower half, painted by Renee Magritte.

Answer: The Empire of Lights or L'empire des lumieres

5. This man shares his royal name, though not the number, with a predecessor who constructed the Phimeanakas, or "Celestial Palace." This man himself expanded his kingdom as far west as Pagan, though later in his reign his imperial ambitions would be thwarted by defeat at the battle of Chakling. Crowned in the presence of the guru Divakarapandita, this ruler blended the cults of Vishnu and Shiva and promulgated Vaishnavism as the official religion of his kingdom. He coerced the king of Champa to aid him in a series of unsuccessful campaigns against Dai Viet from 1123 to 1136, and he later temporarily deposed the Cham king, placing his brother-in-law Hariveda in his place. For ten points, identify this Khmer king, most famous for the fact that his rule saw the construction of Angkor Wat.

Answer: Suryavarman II

6. It can be derived from the Kompaneets equation by assuming, among other things, a blackbody spectrum for the radiation, and the distortion due to this phenomenon becomes positive at the crossover frequency of about 217 GHz. First observed by the Cambridge Radio Astronomy group in galactic clusters, it is proportional to a hyperbolic cotangent factor, and another assumption made in its derivation is that each photon scatters only once. This effect's observation can be used to measure the value of the deceleration parameter by examining distant clusters, and in combination with X-ray observations can be used to measure Hubble's constant, as done by the WMAP experiment. The inverse of Compton scattering, for ten points, identify this effect described by a Russian and an Indian physicist, the scattering of cosmic microwave background photons in dense clouds of hot gas.

Answer: Sunyaev-Zeldovich effect (accept reversed)

7. One man with this first and last name was the author of a collection entitled *Studies in Empirical Philosophy*, and his "systematic philosophy" was described by A.J. Baker in a book titled *Australian Realism*. Another man with this first and last name played the grandfather of Angus MacGyver, while yet another man with this name formed a band with Bill Buford and Tony Kaye in 1969 and was for some years a collaborator of Vangelis. Better known is the politician of this name, an advocate of instant runoff voting who chose Patrick Lucey as his running mate and received 7% of the popular vote running with a slogan abbreviated "ABC." For ten points, identify the shared first and last names of these individuals, one of whom founded the band Yes, and the most famous of whom is probably the man who ran for president as an independent in 1980.

Answer: John Anderson (both required)

8. It is directly referenced by Jesus in Mark 12:29, and there are differing interpretations as to whether it is to be performed while reclining or while rising from sleep and going to bed. Its third section promises rain to the land so that the participants may gather in their grain, their wine, and their oil, though it also promises that if "your hearts be deceived... the earth will not give you its fullness." Among the commandments enumerated in this prayer is the instruction to make fringes on the corners of one's clothing and color the corner of the fringe blue, so that "when you look at them you will remember all of the Lord's commandments." Arnold Schonberg incorporated this text into his *A Survivor from Warsaw*, and it is named after the first two words of Deuteronomy 6:4. For ten points, identify this important Jewish prayer, which begins with the exhortation for Israel to hear that "Adonai Eloheynu, Adonai Ehad," or, "the Lord is our God, the Lord is One."

Answer: Shema Yisrael

9. This work's preface is a letter addressed to Bracke and contains the request that the foregoing document be sent to the Unity Congress, as well as disputing assertions made about the author by Bakunin in *Statism and Anarchy*. This work's fourth section favorably comments on the American education system and states that "government and church should... be equally excluded from any influence on the school." Its second section also includes a criticism of a mistaken interpretation of Lasalle's iron law of wages, and ends by advocating the abolition of class distinctions, while the last section claims that the socialist ideas of the German Workers' Party are not even skin deep, and ends with the accusation that the titular plan contains nothing but "mere echoes" of the bourgeois People's Party. Stating that only with the establishment of communism can "society inscribe on its banners: From each according to his ability, to each according to his needs," for ten points, identify this 1875 work of Karl Marx, analysing a plan put forth by a workers' congress in the titular town.

Answer: Critique of the Gotha Program

10. In response to it, David Erskine assured Robert Smith that the order which in part prompted it would be revoked, even though Erskine was not authorized to make that promise. Opposition to it was led by the "Quids" under John Randolph, and increased following the signing of the Enforcement Act. Timothy Pickering, a prominent member of the Essex Junto, alleged that Napoleon had inspired this measure, though Napoleon reacted to it with the Decree of Bayonne, which stated that all U.S. vessels entering French, Italian, and Hanseatic ports be seized, and the final effect on British commerce was minor. Superseded by the Non-Intercourse Act and effectively repealed by Macon's Bill No. 2, for ten points, identify this piece of legislation recommended by Jefferson, which outlawed all maritime trade with foreign nations and was widely satirized as "O, grab me!"

Answer: Embargo Act of 1807

11. In a song from one of this man's solo albums, he imagines a Western star who "looks like *Heroes*-period Bowie," and claims that "I'm the ruler of this moon, boy, so if you move I shoots." The album that contains that song, *Pistolero*, was followed by one which contains a song dedicated to this man's father with the plea to "take my rifles, take my guns, a single bullet loaded in each one." Songs like "All My Ghosts" and "Back to Rome" are contained on his first album with his current band, and he wondered "Whatever Happened to Pong?" on his 1994 album *Teenager of the Year*. A former bandmate of this man appeared on *Devil's Workshop*, with whom this man formed a band allegedly based around the influences of Peter, Paul, and Mary and Husker Du. He reunited with that man, Joey Santiago, as well as drummer Dave Lovering and bassist Kim Deal for a recent tour, and is better known as the main lyricist on such albums as *Bossanova* and *Debaser*. The current frontman of The Catholics, for ten points, identify this musician better known as the lead singer of The Pixies.

Answer: Frank Black or Black Francis or Charles Thompson

12. A structure with a similar name was discovered in 2003 by the Sloan Digital Sky Survey, which is larger than this structure, discovered in 1989 by Margaret Geller and John Huchra. Discovered by the CfA2 redshift survey, and in plots of angle against velocity, this structure appears as a band running across the 10,000 kilometer per second region from 9 to 16 hours. One of its ends terminates at the Hercules supercluster, but its center is in the Coma cluster, and it is hypothesized that its "strings" represent regions of dark matter in which galactic formation has occurred. Located about 300 million light years away, and itself about 600 million light years long, 280 million light years high and 15 to 20 million light years thick, for ten points, identify this second-largest known aggregation of galaxies in the universe which is located just beyond the Great Attractor.

Answer: The CfA2 Great Wall

13. This man's artwork includes an illustration of a Swedish version of *The Thousand and One Nights*,

and he denounced Portuguese imperialism in Angola in *Song of the Lusitanian Bogey*. This man's largest novel includes a lengthy discussion of Gericault's *Raft of the Medusa* and focuses on the members of a group called the "Red Orchestra" which is engaged in the titular activity, while his early works include the experimental novella *The Shadow of the Body of the Coachman*. More famously, this man is sometimes associated with the "Theater of Fact" movement, and his works in that genre include a denunciation of the Vietnam War, *Discourse on Vietnam*, and a play concerning the trial of Nazis who oversaw the exterminations at Auschwitz, *The Investigation*. He also wrote of the exile of a leader of the Russian Revolution, but is best-known for a work which includes such songs as "The Corday Waltz" and "Fifteen Glorious Years." For ten points, identify this German-born author of the novels *The Aesthetics of Resistance* and *Vanishing Point*, best remembered today for a play-within-a-play set during the French Revolution, *Marat/Sade*.

Answer: Peter Ulrich Weiss

14. In the third chapter of this work, whose title refers to the titular type of revolution, this man contends that Jews, Catholics, and Protestants are really atheists who are too cowardly to admit it. In a section on "the Pyramid," the author notes that people are finding music to be the best teacher, and this work repeatedly refers to sections of society as segments of a triangle which is moving upward, with the practitioners of the titular activity sitting at the triangle's apex. Among the paintings cited in this work are Cezanne's "Bathing Women" and Raphael's "Holy Family," and this work claims that "the abstract idea is creeping into art, although, only yesterday, it was scorned and obscured by purely material ideals." Including a chapter on the "psychological workings of color" which contains a brief discussion of synaesthesia, for ten points, identify this 1911 work containing the aesthetic philosophy of Wassily Kandinsky.

Answer: Concerning the Spiritual in Art or Uber das Geistige in der Kunst  
or The Art of Spiritual Harmony

15. Notable commentaries on this work include a 1953 book by Charles Dodd and a 1991 book by Donald Carson, and Leon Morris has referred to this work as being "a pool in which a child may wade and an elephant may swim." This work includes the injunction that "the servant is not greater than his lord," and its first section contains a conversation between Nathaniel and Philip, while this work ends with the observation that the all the actions of its subject could not be contained in the world should they be written down. Among the events omitted in this work, which are present in its companions, are the temptation in the wilderness and the agony in Gethsemane, and rather than focus on events in Galilee, it references instead Jesus' ministry in Jerusalem, including the story of the resurrection of Lazarus. Beginning "In the beginning was the Word," for ten points, identify this fourth Gospel, most famous for the sixteenth verse of its third chapter, which states, "For God so loved the world that he gave his only begotten Son, that whosoever believeth in him should not perish, but have everlasting life."

Answer: Gospel of John

16. An earlier conflict with a similar name to this one concluded with the Treaties of Oliva and Kardis. One of the belligerents in this conflict was party to the Treaty of Altranstadt, while notable naval engagements in this conflict include the battle of Hango, which preceded the capture of the Aland Islands. After the leader of one side was killed during the siege of Frederickshald, the treaty that ended this war stipulated the surrender of Bremen to Hannover as well as of a portion of Pomerania to Prussia. It began when Augustus II the Strong and Frederick IV of Denmark invaded Schleswig-Holstein, where they were defeated and forced to sign the Treaty of Traventhal, and the most famous participant in this war suffered an early defeat at Narva in 1700. For ten points, identify this conflict over the Baltic between Charles XII of Sweden and Peter the Great of Russia which concluded with the 1721 Treaty of Nystad.

Answer: the Second Northern War or the Great Northern War; prompt on "Northern War" but do not accept "First Northern War"

17. It couples the GluR6 receptor to phosphodiesterase, which hydrolyzes cyclic GMP, and causes ion channels in "on" bipolar cells to close. Blocked by pertussis toxin, it activates inward rectifying potassium channels in a membrane-delimited manner, so that internally perfused acetylcholine can cause hyperpolarization in heart muscle. It activates an enzyme stimulated by forskolin which has M1 and M2 membrane spanning regions of 6 domains each, and C1 and C2 cytoplasmic catalytic segments. Inhibiting calcium channels in a voltage-dependent manner via its beta-gamma subunit, it binds to a 7 transmembrane receptor that serves as its exchange factor. FTP name this type of protein that activates effectors like adenylyl cyclase, and hydrolyzes GTP.

Answer: G protein or GTPase

18. In its sixth section, the poet asks "Is there no change of death in paradise? Does ripe fruit never fall?" while the image of paradise is again invoked in the seventh section in connection with a chant of naked men. A woman in its last section hears a voice that tells her "The tomb in Palestine is not the porch of spirits lingering. It is the grave of Jesus, where he lay," and earlier, Jove is described "as a muttering king" who "moved among his hinds." The author himself noted that this poem was "simply an expression of paganism," while in the first section, the "holy hush of ancient sacrifice" is dissipated by the "complacencies of the peignoir and late coffee and oranges in a sunny chair." Ending with the image of "casual flocks of pigeons [making] ambiguous undulations as they sink downward to darkness on extended wings," for ten points, identify this poem published in *Collected Poetry* and written by Wallace Stevens.

Answer: Sunday Morning

19. One of this man's nonfiction works asks the questions "Where is Inca-Blinca? Where is Unsteadystan?" while a recent work of fiction revolves around Gabriel MacKenzie and one nation's act of bringing the title object to a World's Fair. In addition to *The Nanny and the Iceberg*, this man also authored a short novel in which a man alternately claiming to be Max or Leon calls up a woman in her hotel room, entitled *Konfidenz*. His most recent novel centers around the CEO of the Clean Earth corporation who is suffering from Tolgate's Syndrome, and is called *Blake's Therapy*, and his memoir of a "bilingual journey" is entitled *Heading South, Looking North*. However he is best remembered for an analysis of imperialist ideology in a children's cartoon as well as a play about Paulina Escobar's encounter with Dr. Miranda, who tortured her while playing the titular Schubert composition. For ten points, identify this professor at Duke, the Chilean author of *How to Read Donald Duck* and *Death and the Maiden*.

Answer: Ariel Dorfman

20. Its namesake phenomenon can be countered by such effects as anelastic dispersion as well as anisotropy, though effects like dislocation relaxation amplify that phenomenon, some of which is explained by partial melting. Proposed by Beno Gutenberg, it is very thin under shields, and is usually a region of high thermal gradient, though that alone is not enough to explain its existence. An analysis of this region under Australia has led to suggestions that it represents a decoupling of the continental lithosphere from the mantle. Its base is located about 220 kilometers below the surface of the earth and includes the Lehman discontinuity, and it is believed that most basalts originate in this region. For ten points, identify this region of the earth whose existence supports the notion of an asthenosphere and which is named for the slowdown experienced by waves traversing it.

Answer: Low Velocity Zone (do not accept "asthenosphere")