

Baby Hen 2003 Packet 9, number nine number nine
Written by Mark Pellegrini, Roger Craig far from the Madding Crowd.

9-1. It's not a stellarator, but it does the same job in a different way. Invented by Igor Tamm and Andrei Sakharov, its name is a Russian contraction for what it does. The Novillo one is the smallest in the world. Usually shaped like a donut, this is FTP, what device that captures plasma in a magnetic field.

ANSWER: **Tokamak**

9-2. Eugene Bird wrote a novel about him titled The Loneliest Man in the World, while his son Wolf maintains to this day that he was murdered by the British SAS. Known for most of his life simply as prisoner number 7, other than Walter Funk, he was the only Nuremberg Nazi sentenced to life imprisonment. On the eve of the Nazi invasion of Russia, he flew to Scotland under mysterious circumstances. He supposedly committed suicide in 1987 when many predicted his impending release. FTP, name this man who for the last 21 years of his life was the only occupant of Spandau Prison.

ANSWER: Rudolph **Hess**

9-3. Its construction took only five years, as the ruling emperor tried to appease the public whose rioting destroyed the previous church, which was begun by Constantine and was completed in 360 AD. Designed by Anthemius of Tralles, an expert in geometry and theories of kinetics, and Isidorus of Miletus, a teacher of physics and author of treatises on vaulting techniques, the church consists of a large open elliptical nave dominated by a mosaic-decorated pendentive dome above. After the Turkish conquest in 1453, the church was converted to a mosque, and four minarets were added. FTP, identify this most important monument of Justinian's reign in Constantinople, constructed from 532-537 AD.

Answer: **Hagia Sophia** (accept Church of Holy Wisdom)

9-4. Rosemary Woods became ^athe scapegoat in this affair, offering an explanation that few believe even to this day. Months before, ^LPatrick Gray, acting director of the FBI, resigned after admitting he destroyed evidence pertaining to it. Many people trace its start to the Pentagon papers. In an attempt to stem the scandal, the president initiated the Saturday Night Massacre. As detailed in 'All the President's Men', Bob Woodward had a source inside the White House christened deep-throat who told him all about it. This is, FTP, what presidential scandal that ultimately caused Nixon to resign?

ANSWER: **Watergate**

9-5 In Act III, a character says: "This is a sharp time, now, a precise time -- we live no longer in the dusky afternoon when evil mixed itself with good and befuddled the world. Now, by God's grace, the shining sun is up, and them that fear not light will surely praise it." Its Broadway run was a spectacular success, despite being first published in 1952 at the height of the McCarthy scare. Although based on real events and still retaining actual historical names, the author took many liberties with the facts. FTP, name this novel starring John Proctor, by Arthur Miller, set during the Salem Witch Trials.

ANSWER: The **Crucible**

9-6. Born in 1860, on the Sea of Azov, his first major play debuted in St. Petersburg in 1896 and was so badly received that he vowed to give up playwriting. That play would later achieve success with the Moscow Art Theatre. Shortly thereafter, he moved to Yalta, where he wrote such works as "In the Ravine" and "The Wood Demon". FTP, name this playwright whose major works include "Uncle Vanya" and "The Cherry Orchard".

ANSWER: Anton Chekhov

9-7 They were first isolated in the 1960s by Choh Hao Li, who extracted them from dried camel pituitary glands. Avram Goldstein first predicted their existence their 1973. A polypeptide and strong analgesic, they were discovered shortly thereafter by John Hughes and Hans Kosterlitz. As neurotransmitters, they usually act as natural painkillers, particularly during childbirth. This is FTP, what class of chemical that can give a natural high?

ANSWER: Endorphins

9-8. In 1998, a Sudanese factory that primarily produced this drug was destroyed when it was hit by a cruise missile. Introduced in 1974 by Upjohn Laboratories, it reached record sales in its first year due in part to its reported lack of side effects. It has been sold under the name brand name Rufen, although you might know it better as Motrin. The best-known of the non-steroidal anti-inflammatory drugs available, FTP, name this analgesic and alternative to aspirin.

ANSWER: Ibuprofen

9-9. This collaborator with Judge and Olcott spent some formative years in Vermont and Egypt, but stressed time spent with Morya and Koot Hoomi in the mountains of Tibet, where she supposedly discovered the true nature of light and spiritual evolution onto the astral plane. Her ideas were synthesized into an amalgam of traditions as diverse as Gnosticism, Hinduism, and the Cabala, which she characterized as the rediscovery of ancient, esoteric wisdom with its 1875 founding. FTP, name this Russian mystic, author of *Isis Unveiled* and *The Secret Doctrine*, and founder of Theosophy.

ANSWER: Madame Helena Petrovna Blavatsky

9-10. Written by Amir Ban and Shay Bushinsky, with help from Boris Alterman, it is multiprocessor capable and its most famous outing was in January of this year at an event sponsored by X3D World. There, as black, it played the stunning sacrifice of bishop takes h2 on the tenth move of the fifth game against a former world champion. FTP, name this computer chess program which fought Garry Kasparov to a draw in January 2003.

ANSWER: Deep Junior (accept Junior before "multiprocessor capable" is said, otherwise do not accept Junior)

9-11. In differential form, two of Maxwell's equations contain them, for the E and H fields. Taking its magnitude gives the area of the parallelogram between the two argument vectors. An anti-commutative operation, if the arguments are equal, the result will be zero. For vectors A and B, the resulting vector of this operation is the magnitude

of A times the magnitude of B times the sin of the angle in between them, in a direction perpendicular to both. This is, FTP, what mathematical operation signified by a small X?
ANSWER: **Cross Product**

9-12. Although not much is known about his life, we know that he was born in Westin Hills, Ohio in the 1940's to mother Amanda, who herself was born in 1907. Growing up in Springwood Orphanage, he was later beaten by his presumable foster father and turned to torturing small animals. Later, he would marry wife Loretta and have a child, Maggie. At the same time, he started murdering children, including Virginia and Mike Cross, Bobby Doyle, and later his wife. Arrested and prosecuted by district Attorney Dix, he was released on a technicality. Furious parents then found him and burned him to death, probably in an old power plant. FTP, this is the biography of what fictional man, nicknamed the son of 100 maniacs, who kills people in their sleep.
ANSWER: **Freddy Krueger** (accept either)

9-13. Stanislaw Ulam once challenged Nobel laureate Paul Samuelson to name one proposition in all of the social sciences that is both true and non-trivial. Several years later, Samuelson responded by naming this theory, which dates back as far as 1815's '*Essay on the External Corn Trade*'. It typically assumes homogenized goods, and unequal distribution of labor and costs in different countries. Ricardo's classic example of it is wine and wheat production in England and Portugal. FTP, name this theory of economics, of which absolute advantage is a special case.
ANSWER: **Comparative Advantage**

9-14. Work on it began in 1369 under Hugh Aubriot, for the purpose of augmenting the city's defenses. However, gradually the populace began to fear it, thinking that at any moment royal troops would pour out of it and attack the city. At the urging of Camille Desmoulins, a mob stormed it, killed the governor, and demolished it. Its most famous inmates were the Marquis de Sade and Voltaire. This is, FTP, what Paris landmark, whose destruction on July 14, 1789 signaled the start of the French Revolution?
ANSWER: The **Bastille**

9-15. He was a high official, essentially prime minister, under the Persian King Xerxes. Filled with rage after Mordecai refused to bow down to him, he tried to persuade Xerxes to slaughter all the Jews in Persia. When Xerxes discovered Mordecai's loyalty, he ordered this man hanged from the gallows fifty cubits high. FTP, give the name of this Old Testament Persian, whose name completes the saying – 'to hang higher than.'
ANSWER: **Haman** (hay-min)

9-16. First published in 1922, Chinua Achebe titled *Things Fall Apart* from one of its lines. Some of its lines are: "The darkness drops again; but now I know/That twenty centuries of stony sleep/Were vexed to nightmare by a rocking cradle,/ And what rough beast, its hour come round at last,/Slouches towards Bethlehem to be born." FTP, what is this poem by William Yeats?
ANSWER: The **Second Coming**

9-17. It lies beneath Yggdrasil's third root, near Nastrond. It is ruled over by the daughter of Angrboda and Loki, from whom it derives its name. The river Gjoll that flows from Hvergelmir and encircles it. Once inside, not even Gods can leave. A frozen subsidiary of Niflheim and the destination for those who die of old age or disease, FTP, identify this place in Norse mythology ruled over by Hel.

ANSWER: **Helheim** (Accept **Helgardh**; prompt on **Hel** before mentioned)

9-18. The second day of hostilities saw the Battle of Latakia, the first missile battle in naval history. It started on October 6, when the Bar Lev cease-fire line was breached. King Hussein, who was not told about the war in advance, decided to remain neutral, although he did commit troops to defend Damascus. Following fighting in the Sinai that was the biggest tank battle since Kursk, the aggressors were turned back and general Ariel Sharon led Israeli forces toward Cairo. This is FTP, what war, which saw Israel attacked simultaneously by Egypt and Syria, in 1973?

ANSWER: **Yom Kippur War** (Accept **Ramadan War**, or **1973 War** before it appears in question; prompt on **October War**)

9-19. The founder, and president of the Liberal Party from 1953 to 1968, this author had international successes with works such as *Too Late the Phalarope* and *Tales from a Troubled Land*. However, his best known novels, such as *Ah, But Your Land is Beautiful*, deal with the racial tensions in his native South Africa. FTP, name this anti-apartheid author who detailed the lives of Stephen Kumalo and James Jarvis in *Cry, the Beloved Country*.

ANSWER: Alan Stewart **Paton**

9-20. On the Dr. Demento basement tapes, it is said that a celloist must have scorned the composer of this work and as revenge, he wrote it with the most awful part for celloists he could think of. In 1991, RCA put out a compilation CD containing 8 different versions of it, including performances by James Galway, Isao Tomita, and the Canadian Brass orchestra. It was originally written as chamber music for 3 violins and a bass continuo, and first published along with a gigue in the same key, it can be broken up into 5 sections – parallel, anti-line, reserve, expanded, and reduced. This is, FTP, what piece of classical music, commonplace at weddings, in the key of D-minor.

ANSWER: **Pachelbel's Canon** in D minor

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BONUSES|

9-1. Name these world leaders, FTPE.

[10] Malaysia's prime Minister for 22 years, he stepped down in October 2003.

ANSWER: **Mahathir** Mohamad

[10] In 2002, he won a runoff vote to defeat Evo Morales for Presidente of Bolivia.

However, a year later he would resign and be succeeded by Carlos Mesa.

ANSWER: Gonzalo **Sanchez de Lozada**(prompt on incomplete last name)

[10] She was elected Prime Minister of New Zealand in 1999. According to the BBC, "Trekking is one of her favourite ways to relax."

ANSWER: Helen **Clark**

9-2 Oh boy, a literature bonus that asks for neither titles nor authors. For the stated number of points, identify these rhyme schemes.

For 10 points: Literally meaning "third rhyme," this form reached its apogee in a little Italian poem about hell, purgatory, and heaven.

Answer: **terza rima**

For 15 points: This reduction of the ottava rima to seven lines of three rhymes, ababbcc, was first used in English by Chaucer in *Troilus and Criseyde*.

Answer: **rime royal**

For 5 points: This is a pair of rhyming verses; one ends every Shakespearian sonnet.

Answer: **couplet**

9-3. Common nitrates from description, FTPE.

10) It is commonly used as a fertilizer or in high explosives, such as the Oklahoma City bombing.

ANSWER: **Ammonium nitrate** (do not accept ammonia nitrate)

10) Also known as saltpeter, this compound is white or dirty gray in appearance and is composed of an alkali earth metal.

ANSWER: **Potassium nitrate**

10) Usually used as a canned meat preservative, it tends to turn meat pink, which is why it is used heavily in salmon. In the stomach, it decomposes to produce nitrosamine.

ANSWER: **Sodium nitrate**

9-4. Old Testament prophets, FTPE

10) After he ordered the deaths of hundreds of priests of Baal, this Old Testament prophet was nearly executed by Ahab and Jezebel.

ANSWER: **Elijah**

10) Abraham's son by Hagar, in Islamic tradition, he was the one nearly sacrificed by Abraham - not Isaac.

ANSWER: **Ishmael**

10) The namesake of the fourth book of the Twelve (Minor) Prophets. His book contains only 21 verses, the smallest of the Old Testament.

ANSWER: **Obadiah** (also spelled Abdias)

9-5. Signal processing theory, for fifteen points each.

10) This fundamental law of signal processing states the rate at which information can be transmitted over a bandwidth limited channel. It is named for the so-called the father of information theory.

ANSWER: Claude **Shannon's law**

10) Shannon's sampling law states that a signal must be sampled at this rate, named after the law's other creator.

ANSWER: **Nyquist** rate

9-6. Name the architects from works, FTPE.

[10] The Notre-Dame-du-Haut at Ronchamp and the masterplans for Buenos Aires and Algiers.

ANSWER: Le **Corbusier**(Charles-Édouard **Jeanneret**)

[10] Hospital of the Innocents in Florence and the dome and lantern of the Florence cathedral.

ANSWER: Filippo **Brunelleschi**

[10] Barcelona's La Sagrada Família aka Church of the Holy Family

ANSWER: Antoni **Gaudí** (i Cornet)

9-7. The turn of the century America, FTPE

10) This strike of 1894 saw Chicago railroad workers protesting wage and hour cuts. Grover Cleveland eventually sent federal troops to break the strike.

ANSWER: **Pullman Strike**

10) The federal government ran out of gold and could not redeem notes. Secretary of the Treasury John Carlisle threatened to redeem them in silver. The major causes of this panic were the Sherman Silver Purchase Act and the McKinley Tariff.

ANSWER: **Panic of 1893**

10) Announced in 1904, this modification of the Monroe Doctrine stated that the US reserved the right to intervene in the affairs of Latin American countries to keep Europeans nations out.

ANSWER: **Roosevelt Corollary** to the Monroe Doctrine

9-8 Parts of the brain, FTPE

10) This organ, thought by some to be vestigial, is responsible for the production of melatonin. It is often calcified

ANSWER: **Pineal Gland**

10) This is the area of the brain that controls body temperature, hunger, and thirst. The hormones it produces link the endocrine and nervous systems

ANSWER: **Hypothalamus**

10) This region is largely responsible for higher brain functions, including voluntary muscle movement, reasoning, and memory.

ANSWER: **Cerebral Cortex**

9-9. Given musical works, name the composer, FTPE.

[10] The choral-orchestral works Psalm 150 and Helgoland and his Symphony No. 4 in E-flat major, nicknamed "Romantic."

Answer: (Josef) Anton **Bruckner**

[10] Tales from the Vienna Woods and The Blue Danube waltz.

Answer: **Johann Strauss Jr.**

[10] Mazeppa, Hungarian Coronation Mass, and A Symphony to Dante's Divina Commedia.

Answer: Franz **Liszt**

9-10. Given an NFL franchise, name their leading scorer for the 2002 regular season on a 5-5-10-10 basis.

[5] Kansas City Chiefs

Answer: Priest **Holmes**

[5] Atlanta Falcons

Answer: Jay **Feely**

[10] Miami Dolphins

Answer: Olindo **Mare**

[10] St. Louis Rams

Answer: Jeff **Wilkins**

9-11. Name these random works of literature from characters, FTPE five if you need the author.

[10] Myrtle Wilson, Daisy Fay and Tom Buchanan

[5] F. Scott Fitzgerald

ANSWER: The **Great Gatsby**

[10] Vanderdendur, Don Issachar, and Cunégonde

[5] Voltaire

ANSWER: **Candide**

[10] George Willard and Helen White

[5] Sherwood Anderson

ANSWER: **Winesburg, Ohio**

9-1.2 Every nation in Europe that uses the Euro gets to choose images for the country-specific faces. FTPE, name the country from an image or images.

[10] Different coins feature a corvette and an owl.

ANSWER: **Greece**

[10] The artwork Unique Forms of Continuity in Space.

ANSWER: **Italy**

[10] Queen Beatrix

ANSWER: **Netherlands**

9-13. FTSNP, name these literary "pilgrims."

5. She is the earthy, 5-times-married Chaucerian pilgrim of the *Canterbury Tales*.

Answer: the **Wife of Bath**

10. He is the hero of John Bunyan's *The Pilgrim's Progress*.

Answer: **Christian**

15. This Englishwoman's biography, probably written between 1432 and 1436, tells of her spiritual conversion and pilgrimage to the holy land.

Answer: Margery **Kempe**

9-14. Name these Titans of Greek mythology, for 10 points each:

1.) This Titan became king of the gods by castrating his father Ouranos. He fathered several Greek gods and goddesses, including Demeter, Poseidon, and Zeus.

ANSWER: **Kronos**

2.) This Titaness was Kronos' sister and wife. She helped her son Zeus overthrow Kronos and become the new king of the gods.

ANSWER: **Rhea**

3.) This Titaness was the goddess of justice and order, as well as delivered oracles at Delphi. She was the mother of the Seasons and the Fates.

ANSWER: **Themis**

9-15. For 10 points each, name these characters from Virgil's Aeneid:

1.) The wife and sister of Jupiter, who unsuccessfully tried to prevent Aeneas from reaching Italy and founding a new Troy.

ANSWER: **Juno** or **Hera**

2.) The Queen of Carthage, whose love for Aeneas compromises her loyalty to her late husband Sychaeus (si-CHAY-us) and drives her to commit suicide.

ANSWER: **Dido**

3.) This daughter of Latinus and Amata is engaged to Turnus, the prince of the Rutulians whom Aeneas slaughters in a duel.

ANSWER: **Lavinia**

9-16. The Chunnel, FTPE

10) All or nothing, the Chunnel connects which two European nations

ANSWER: **France** and **UK** (Accept **England**)

10) Within ten years, when did the first attempt to dig the Chunnel begin?

ANSWER: **1880** (Accept **1870** – **1890**)

10) Name either of the cities that the Chunnel connects

ANSWER **Calais** OR **Folkestone**

9-17. Damn those liberal hippies. Left wing organizations with better known acronyms, FTPE.

10) One of the oldest of the movement, this is the organization that defended Sacco and Vanzetti. It has come under criticism for defending the free speech rights of the KKK, neo-Nazi groups, and NAMBLA.

ANSWER: **American Civil Liberties Union**

10) Mitch Kapor, and John Perry Barlow founded this organization, which has been called the ACLU of cyberspace, in 1990. It has recently defended Jon Johansen and Dmitry Sklyarov.

ANSWER: **Electronic Frontier Foundation**

10) An offshoot of the EFF is this organization, which is committed to defending privacy rights online. It has a grand sounding acronym which it shares with a branch of literature.

ANSWER: Electronic Privacy Information Center

9-18. The Spanish Inquisition, FTPE

10) This is the man appointed in 1481 to head the inquisition. He gained notoriety for his cruelty

ANSWER: Tomas de Torquemada

10) This man was the king of Spain during the inquisition.

ANSWER: King Ferdinand

10) Identify the pope who gave half-hearted approval to form the inquisition. He would later accuse the inquisition of being a ploy to confiscate Jewish property

ANSWER: Pope Sixtus IV

9-19. Fake me out languages, FTPE

10) Literally meaning "one who hopes," it was created in 1887 as an international auxiliary language.

ANSWER: Esperanto

10) The term for it was coined by a Washington University linguistics professor in 1973. It became a hot topic when the Oakland, California school board designated it an official dialect in 1996.

ANSWER: Ebonics (Accept African-American vernacular English or African-American English)

10) Taking its name from a compliment for the people who invented it, this electronic language involves replacing letters with numbers and punctuation.

ANSWER: "Leet" (Elite) speak

9-20 . Name the Sylvester Stallone movies from taglines, FTPE.

A. The first was for himself. The second for his country. This time it's to save his Friend.

A: Rambo III

B. Crime is the Disease. Meet the Cure.

A: Cobra

C. When East meets West, the Champion remains standing.

A: Rocky 4