## New Hampshire Anti-Primary : MIT DNRC Tossups

TOSSUP 1
Although nothing can travel faster than the speed of light in a vacuum, a particle _can_ travel faster than light does through a medium. When this occurs, the particle leaves a wake of light trailing behind. FTP, what is this phenomenon, named for the Russian scientist who discovered it in 1934? Answer: the _CHERENKOV RADIATION_ effect (or _CHERENKOV LIGHT_)

## TOSSUP 2

Its government has never included a Minister of Education, surprising for a nation with a $99 \%$ literacy rate and the world's highest rate of participation in post-secondary education, where all colleges and universities receive some funds from the national government. FTP name this country where schooling at all levels is the responsibility of each province.
Answer: _CANADA

## TOSSUP 3

Rudy Baylor has just graduated from law school, but his promising job gets eaten up in a merger, so he has to go it on his own. By chance he happens upon an insurance case with the potential to make him rich. Rudy's attempts to get a lawsuit filed and adjudicated form the plot of what recent John Grisham work? ANSWER:_THE RAINMAKER_

## TOSSUP 4

The name's the same. One was an ancient mathematician whose _Mathematical Classics_ contain the first elements of what is now called the Chinese Remainder Theorem. The other was a general and military strategist for the state of Wu, best known today for his work _Ping-Fa_, or _The Art of War_. FTP give the shared Chinese name.
Answer: _SUN TZU_

## TOSSUP 5

Stories of King Arthur have been told by such authors as Sir Thomas Malory and T.H. White, but Arthur first appeared in "History of the Kings of Britain" by a certain bishop of St. Asaph. FTP, name this 12th-century English chronicler. Answer: _GEOFFREY OF MONMOUTH_, or_GALFRIDUS MONEMUTENSIS_

## TOSSUP 6

Born in 1667 in Dublin to English Parents, this author first gained fame as a satirist with "A Tale of a Tub" and "The Battle of the Books". He was a leader against English oppression in Ireland and published a series of letters using the pseudonym M.B. Drapier that convinced Ireland not to accept 100,000 pounds in copper coins from England. FTP name the author, creator of Lemuel Gulliver.
ANS: Jonathan _SWIFT_

## TOSSUP 7

His father voted for the execution of Louis XVI, and he himself was an officer in the French Republican army and a Jacobin, even though he was part of the French royal house. FTP, name this head of the Orleans family who replaced Charles X as King of France in the July Revolution of 1830.
Answer: _LOUIS-PHILIPPE_, Duc d'Orleans

TOSSUP 8
On official maps, it is indicated in yellow. Its 27 stops include Euston Square, Tower Hill, Westminster, Baker Street, Victoria, and Paddington. FTP give the oxymoronic-sounding name of this London Underground route that takes just under an hour for a complete circuit.
Answer: the _CIRCLE LINE_

## TOSSUP 9

Many people are questioning not only Israel's policy of destroying the family homes of suicide terrorists in its occupied territories, but also the exception that was made in this man's case. FTP name the Brooklyn-born physician who probably violated his Hippocratic oath when he gunned down 29 worshippers at the Ibrahimi mosque in Hebron in 1994.
Answer: Baruch (or Benjamin) _GOLDSTEIN_
TOSSUP 10
Uncle Francis helped him get started with a job reading lines in auditions, but he has since made his own name, with roles in films such as "Raising Arizona" and "Wild at Heart". For ten points, who is this actor with parts in the more recent movies "Kiss of Death" and "The Rock"?

ANSWER: Nicolas _CAGE_ or_NICOLAS COPPOLA_

## TOSSUP 11

Born around 1580, he spent his adult life in Haarlem, the Netherlands, dying there in 1666. There he painted such group portraits as "Regentesses of the Old Men's Almshouse." FTP name this master portraitist best known for "La Bohemienne" and "The Laughing Cavalier."
A: Frans HALS

## TOSSUP 12

Founded by Roger Conant in 1626, this town was the site of the first Congregational Church in America. Roger Williams served as pastor here before founding Rhode Island. FTP name this city that is home of a house built by Captain John Turner, imortalized by Nathaniel Hawthorne.
ANS: _SALEM_, Massachusetts
TOSSUP 13
Originally published on 126 pages of mimeographed newsprint and sold for 35 cents a copy, its recently released 25th anniversary edition has expanded to a 752-page hardcopy book by Simon \& Shuster, selling for $\$ 20$-- or for $\$ 6$ to clinics, educators and health professionals. FTP name this best-selling work described by Gloria Steinem as "like a light coming on in a very dark room", written by the Boston Women's Health Book Collective.
Answer: _OUR BODIES, OURSELVES_: A Book By And For Women

## TOSSUP 14

This national language has two distinct varieties. The so-called "book language" is the literary standard, while the "land language" or "new" variety is the creation of one man, Ivar Aasen ["EE-var OH-sen"] who synthesized it from rural dialects in the mid-19th century. FTP name this language that has been heavily influenced by six centuries of Danish and Swedish rule.
Answer: _NORWEGIAN_ (or _NORSK_)
(The two varieties are called Bokmaal and Landsmaal/Nynorsk.)

TOSSUP 15
After his mother's death, he moved to Moscow, became an obstetrician, served in World War I, and the Russian Civil War, moved back to Moscow, and became a poet. After his 1930 death, his lover, Lara Antipova, was sent to the gulag. FTP identify this title character of a novel by Boris Pasternak.
A: Doctor Yuri _ZHIVAGO_
TOSSUP 16
The initials are the same. One was a top secret force led by Jim Phelps on a '60s TV show, the other is a United Nations agency responsible for currency stabilizing loans to many countries. FTP points, what are the common intials?

ANSWER: _IMF_ (Impossible Mission Force/International Monetary Fund)

## TOSSUP 17

These rites were considered sacred in Ancient Greece, and legend holds that they were established by Triptolemus. FTP, name the ritual ceremonies which told the story of the abduction of Persephone by Hades, the mourning of Demeter, and the creation of the seasons.
Answer: _ELEUSINIAN MYSTERIES_, or _ELEUSIAN MYSTERIES_
TOSSUP 18
In the decade after General Francisco Franco died, Spain witnessed a tenfold increase in the number of killings by bombing or assassination by this group. For ten points, what is this Basque sepratist group whose name literally means "Basque Homeland and Liberty"?

ANSWER:_ETA_or _EUZKADI TA AZKATASUNA_
TOSSUP 19
Originally built in 1651, all of its flagstones are numbered for ease in assembly of parades. Named for the massive Gate of Heavenly Peace at its northern end, it is surrounded by various museums and monuments to the Chinese Communist Revolution. For ten points, what is this public Beijing square which has been the site of student demonstrations since 1919 ?

ANSWER:_TIANANMEN_square
TOSSUP 20
It will arrive in the US in Los Angeles on April 27, and it will then snake its way across the country visiting almost all of the lower 48 states. FTP name this object that started from Olympia, Greece and will arrive in Atlanta on July 19 just in time for the opening ceremonies.
ANS: the _OLYMPIC TORCH_or_OLYMPIC FLAME_
TOSSUP 21
Examples include Wigner's Friend, the Superluminal Scissors, Schroedinger's Cat, and the Twin Paradox. FTP give the term coined by Einstein to describe a procedure that one carries out in one's head instead of using a physical apparatus.
Answer: _GEDANKENEXPERIMENT_or_THOUGHT EXPERIMENT_

## TOSSUP 22

Born in 1503 in France, as a physician he became well known for his innovative treatments of the Plague. He became an astrologer and cast the horoscopes of King Henri Il's children. He is better known today for his "Centuries" which consist of almost 1000 numbered quatrains that contain his prophecies. FTP name this seer who may have predicted the Fire of London of 1666, the rise of

Hitler, and other great events.
ANS: _NOSTRADAMUS_or Michel De_NOTREDAME_
TOSSUP 23
First Sammy "the Bull" Gravano took down John Gotti, and now prosecutors may use his testimony to indict this person, considered by many to be merely a senile old man who wanders around his neighborhood in a bathrobe and slippers mumbling to himself. FTP, name this reputed head of the Genovese crime family. A: Vincent "the Chin" _GIGANTE_

TOSSUP 24
With a circulation of over 4 million, the most widely read daily newspaper in Britain is a tabloid that shares its name with a separately owned chain of tabloid dailies in Edmonton, Calgary, Ottawa and Toronto. FTP give the name also shared by the major newspaper of Baltimore and half the name of the second most popular paper in Chicago.
Answer: The_SUN_
(Note to potential protesters: The Daily Telegraph, Times, Independent and Guardian all have circulations of 1.1 million or less.)

TOSSUP 25
Directly above this company's headquarters, Raymond Ihrke had a heart attack while flying his Cessna seaplane near Lake Washington last month. Though the pilot died soon after, his passenger took over the controls and was able to land the plane with guidance from air traffic controllers at Renton Municipal Airport. FTP name the Renton-based company above which the pilot had a heart attack.
Answer: _MICROSOFT_Corporation

## TOSSUP 26

This country didn't abolish its feudal system until it adopted its current constitution in 1993, creating an elected General Council. The nation's independence is generally credited to Charlemagne who recovered the region from the Muslims. FTP name this dual principality.
ANS:_ANDORRA_

## TOSSUP 27

On April 1, the Reds-Expos game was called off, not because of rain or snow, but instead because of a tragedy. FTP name the 328-pound umpire who collapsed seven pitches into the game, and died an hour later.
ANS: John _MCSHERRY_

New Hampshire Anti-Primary : MIT DNRC Bonuses
BONUS 1
(30) FTP each, name the Asian country from its official national ideology. 1. "Juche" ["JOO-chay"], or "self-reliance".

Answer: _DEMOCRATIC_People's Republic of _KOREA_
or _NORTH KOREA
or _CHOSUN_ Minchu-chui Inmin Konghwa-guk
2. "Pancasila" ["PAHN-cha-SEE-lah"], or "the five principles" of monotheism, humanitarianism, national unity, democracy by consensus, and social justice. Answer: Republic of _INDONESIA
3. "Vision 2020", the goal of becoming a fully developed country by the year 2020.
Answer: Federation of _MALAYSIA_

## BONUS 2

(30) For 10 points each, name the three evil children of Loki, the trickster, and his mate Angerboda, the distress bringer, according to Norse mythology, one the goddess of death, one a serpent, and the third a wolf.
Answers: -_HEL_, the goddess of death

- _JOERMUNGAND_r, or the _MIDGARD SERPENT_, or the _WORLD SERPENT_
- _FENRISULFR_, or _FENRIR_or _FENRIS_ the wolf

BONUS 3
(30)30-20-10 Name the Composer from the works
(30) the unfinished opera, _Moses and Aaron_
(20) a series of recitations with chamber accompaniment, _Pierrot Lunaire_
(10) the string sextet _Transfigured Night_

ANS: Arnold_SCHOENBERG_
BONUS 4
(30) (Given a license plate moto, name the state FTPE
"The greatest snow on earth!"
ANS: _UTAH_
"Amber Waves of Grain" ANS: _INDIANA_
"The Spirit of '76 - in the American West"
ANS: _WYOMING_
BONUS 5
(30) Contrary to popular belief, the entire Greek army did not hide inside the Trojan horse. According to the second book of Virgil's _Aeneid_, there were only nine Greeks inside it. Name any three of them for 10 points each.
Answers: _TYSANDER_

_ATHAMAS_

_ULYSSES_or_ODYSSEUS_ _MENELAUS_ _EPEUS_ _PYRRHUS_ _MACHAON_ _STHENELUS_

BONUS 6
(30) Fifty years ago, the U.S. set up its first National Laboratory, in Illinois. Answer these questions about it for 10 points each.

1. What is its name? Answer: _ARGONNE_National Laboratory
2. Who was Argonne's first director, a Canadian-born physicist who also designed the first breeder reactor?
ANS: Walter Henry _ZINN_
3. Finally, Argonne sponsors what contest that challeges high school students to create the most complicated machine to perform a simple task?
ANS: _RUBE GOLDBERG_Contest
BONUS 7
(30) The history of Rome is the history of warfare. Given the name of battle
and the year, identify the enemy of Rome for ten points apiece.
4. Battle of Cannae, 216 BC A: _CARTHAGE
5. Battle of Caudine Forks, 321 BC A: the _SAMNITE_s
6. Battle of Lake Regillus, 496 BC A: the _LATIN LEAGUE_

BONUS 8 : 30-20-10, give the common name after sublime or ridiculous clues.
30: This cat was the star of a simple Hypercard stack that won the Boston
Computer Society's Shareware Award for 1987.
20: Mr. Jones was surveyor of works to James I and Charles I, and founded the English classical tradition of architecture.
10: Sen~or Montoya seeks to avenge his father's death in the movie _The Princess Bride_.
Answer: _INIGO_ (pronounced "eye-NEE-goh", "IN-ig-oh", or "ee-NEE-goh")
BONUS 9
This being an MIT pack, it's only fair to ask questions about that most prevalent fashion statement on campus, eyeglasses. Answer the following for 10 points each.

1. All or nothing, name the three most common types of lens deformities that can necessitate eyeglasses.
Answers: _MYOPIA_,_HYPEROPIA_,_ASTIGMATISM_
(Prompt on near-sightedness, far-sightedness)
2. Although they existed previously, this scientist made the earliest recorded comment about the use of eyeglasses to correct vision in 1268. Answer: _ROGER BACON_
3. This man invented contact lenses in 1887.

Adolf _FICK_

BONUS 10
For 10 points each, name the Paraguayan person, place or thing.

1. The flat, arid region that constitutes the western three-fifths of the country's area but contains less than 5 per cent of the population.
Answer: the Gran _CHACO_, or _CHACO_Boreal
2. Most Paraguayans are a mixture of Spanish and this aboriginal tribe, whose language is also an official language alongside Spanish.
Answer: _GUARANI_
3. The son of a German immigrant, he was president from 1954 to 1989, the longest period of unbroken rule by one individual in 20th-century Latin America.
Answer: Alfredo _STROESSNER_Matiauda

BONUS 11
(30) For ten points apiece, identify the three novels which comprise John Dos Passos' "USA" trilogy.
Answers: _THE 42ND PARALLEL_
_1919
_THE BIG MONEY_

BONUS 12
(25) For the stated number of points, identify each of the following Native American leaders who resisted white expansion into the Northwest Territory. For 10: In 1794, in the Battle of Fallen Timbers, this Miami warrior's forces were defeated by General "Mad" Anthony Wayne. In the resulting Treaty of Greenville, 12 tribes ceded their lands in what is now Ohio to the U.S. government.
Answer: _LITTLE TURTLE_
For 5: This Shawnee warrior sought to unify Native American Indian tribes. His headquarters at Tippecanoe Creek were destroyed by General William Henry Harrison in 1811.
Answer: _TECUMSEH_
For 10: In 1832, this chief led the Sac and Fox tribes in a fight to regain lands in Illinois. Many died when federal troops and Illinois militia drove them back across the Mississippi River.
Answer _BLACK HAWK_

BONUS 13
(25) CJD strikes about one in a million people each year, causing mental deterioration, slurred speech, and difficulty in coordination skills.
It may be linked with BSE, or "mad cow disease."For 15 points for one or 25 points for both, identify the two individuals who lend their last names to CJD.
Answers: Otto _CREUTZFELD_ ["KROYTS-felt"]
Alfons _JAKOB_ ["YAH-kup"]

BONUS 14
For 10 points each, give the number from Buddhist philosophy.

1. The number of noble truths listed by the Buddha in his first sermon.

Answer: _FOUR_ (4)
2. The number of "folds" in the path to Enlightenment.

Answer: _EIGHT_ (8)
3. The number of elements, or "khandha", that sum up an individual's mental and physical existence.
Answer: _FIVE_ (5)
(They are: physical form, sensation, perception, volition, and consciousness. Buddhists don't believe in the concept of a soul.)

BONUS 15
(30) Many composers left compositions unfinished at the time of their death. Given the work, name the composer who failed to complete it, for the stated number of points.

For 5: The Art of the Fugue
Answer: _J_ohann _S_ebastian _BACH_
For 10: Turandot
Answer: Giacomo Antonio Domenico Michele Secondo Maria _PUCCINI_

For 15: Khovanshchina
Answer: Modest Petrovich _MUSSORGSKY_

BONUS 16
FTPE name the play by Shakespeare from a partial list of characters.
(a) Antonio, Bassanio, Nerissa ANS: _MERCHANT OF VENICE_
(b) Emilia, Roderigo, Brabantio ANS:_OTHELLO_
(c) Katherine, Pistol, Bardolph, Westmoreland ANS: _HENRY V_

BONUS 17
(20) Many notable people have had their lives cut short due to assassination. Given the year and assassin, name the person
killed for 10 points each.

1. 1812, John Bellingham

Ans: Spencer_PERCEVAL_
2. 1935, Dr. Carl Austin Weiss

Ans: Huey Pierce _LONG_
3. 1948, Nathuram Vinayak Godse

Ans: Mahatma _M_ohandas Karamchand _GANDHI_
BONUS 18
(30) We were just recently visted by a very bright comet, For Ten Points Name this comet discovered by a Japanese Astronomer, and designated Comet C/1996 B2. ANS: Comet _HYAKUTAKE_ (HYAH-KOO-TAH-KAY)

A potentially even brighter comet will appear in the Spring of 1997. For Twenty Points name this comet, designated Comet C/1995 O1.
ANS: Comet_HALE-BOPP_
BONUS 19
(30) Identify the following not-so-randomly chosen religious figures for 10 points apiece.

1. A Spaniard canonized in 1234, he founded the Order of Friars Preachers to combat the heresy of the Albigensians.
Answer: Saint _DOMINIC_, or Santo _DOMINGO_de Guzman, or Domingo de _GUZMAN_
2. The most celebrated of the followers of St. Francis of Assisi, he was declared a doctor of the church in 1946. He is invoked for the return of lost property.
Answer: Saint_ANTHONY_ of Padua, or San _ANTONIO_di Padova
3.The Italian Jesuit missionary who introduced Christian teachings into the

Chinese Empire in the 16th century by adopting the local language and customs.
Answer: Matteo _RICCI_, or _LI MADOU_
BONUS 20
(20) Labor Secretary Robert Reich coined this two-word term to describe knowledge workers who identify and solve problems, or act as "strategic brokers". For 20 points, what is this trendy buzzphrase that describes computer programmers, writers, artists, designers, researchers, librarians and presumably also professional College Bowl question writers?
Answer: _SYMBOLIC ANALYST_s
BONUS 21
Making the most of a past disaster, the Chinese government is setting up an "Earthquake City" theme park in a northern industrial center where a major quake killed at least 240 thousand people. This act of God may have been an omen presaging the death of Chairman Mao later the same year. For 15 points name the city, and for 10 more, give the year of the earthquake that measured 8.2 on the Richter scale.

Answers: _TANGSHAN_ (do not accept Tien Shan or Tientsin or Tianjin) and 19_76
BONUS 22
(30) Software companies always have interesting code names for products that they're developing, FTP given the product, give the code name.
OS-2 Version 4 ANS: _MERLIN_
MacOS System 8 ANS:_COPLAND_
Netscape Version 4 ANS:_DOGBERT_
BONUS 23
(25) Parker Brothers, Canadian, both, or neither?

For each game, say whether it is now made by Parker Brothers, was invented by Canadians, both, or neither. Five points apiece.

1. Trivial Pursuit BOTH
2. Balderdash BOTH
3. Scrabble NEITHER
4. Clue
5. Pictionary

PARKER BROTHERS CANADIAN

BONUS 24
(30) $30-20-10$, name the movie from the quotes.

30: "So what if we break our chains? What do we do then?"
20: "Even the most sublime ideas sound ridiculous if heard too often."
10: "Your smile spreads like a butterfly."
Answer: II _POSTINO_, or The _POSTMAN_ (accept The _MAILMAN_)
BONUS 25
(30-20-10) Name the rock group
(30) Members of this band came from the groups Mother Love Bone and Bad Radio.
(20) They have done covers of such songs as "Hey Hey, My My" and "Rockin' in the Free World."
(10) They even gained the attention of people who do not listen to their music when they filed an antitrust suit and led a boycott against Ticketmaster.
Answer: _PEARL JAM_

