FUCT 2002: The Fabulous Unnamed Chicago Tournament
Tossups by UIUC McGarnigle (Mike Sorice and Sudheer Potru)

1. Alaska's Ernest Gruening and Oregon's Wayne Morse were the only senators who opposed it, and it was unanimously passed by the House. It is now believed that one of the events that prompted it, the August 4ᵗʰ attack on the USS C. Turner Joy, was either embellished or fabricated, meaning that only the USS Maddox had really been attacked. For 10 points—name the 1964 congressional resolution that gave LBJ the power to wage war in Vietnam.

answer: the Gulf of Tonkin Resolution (or the Tonkin Gulf Resolution)

2. Its opening describes "a comfortable room, furnished inexpensively but with taste." Dr. Rank and Christine Lind come to visit the main character, who is blackmailed by Nils Krogstad after committing forgery against her husband. For 10 points—name this Ibsen play in which Torvald Helmer is unmasked as a hypocritical fraud by his wife, Nora.

answer: A Doll's House (accept Et dukkehjem)

3. It is the reaction of an aldehyde or ketone with a phosphorous ylide [ILL-id] to produce a double-bonded compound. Discovered during its creator's tenure at Heidelberg, this reaction is invaluable in the synthesis of complex organic compounds such as steroids and prostaglandins. For 10 points—name the reaction from organic chemistry that garnered its namesake a half-share of the 1979 Nobel prize.

answer: Wittig reaction

4. It features the heart-wrenching story of a swan in "Olim lacus colueram" and a famous baritone solo in "Ego sum abbas," after building on a Burgundian chivalric tradition in the third section, "Cour d'amours." Based on a collection of Goliard poems found in its namesake monastery, this cantata begins and ends with its best-known song, "O Fortuna." For 10 points—name this 1936 masterpiece by Carl Orff.

answer: Carmina burana (or Songs of Beuren)

5. Williams Jevons first proposed this concept in 1862's "General Mathematical Theory of Political Economy" to resolve the so-called "paradox of value." The law of its diminishment explains why gold is more valuable than bread, and also explains why a man with three loaves of bread would pay less for another loaf than a man with one. For 10 points—name this concept defined as the additional benefit derived from the purchase of one additional unit of a good.

answer: marginal utility (do not accept "utility")

6. According to Tacitus, the Fourteenth and Twentieth Legions under Suetonius Paulinus used close wedge formations to crush this leader's revolt, killing an estimate 80,000 people. The leader of the Iceni and successor of Prasutagas, she rode before her troops with her "defiled" daughters to inspire her army before her final defeat. For 10 points—name this British rebel who led a revolt against Roman rule in East Anglia in 60 C.E.

answer: Boudicea (accept Boudicca or Boadicea)

7. His first novel, *Nip the Buds, Shoot the Kids*, showed the influence of Albert Camus and described the author's life in a remote village during World War II. His novella *The Catch* won the Akutagawa Prize for its portrayal of the friendship between a black POW and a Japanese boy, but he is better known for describing his brain-damaged son in *A Personal Matter*. For 10 points—name this Japanese novelist and 1994 Nobel laureate.

answer: Oe Kenzaburo (or Kenzaburo Oe)

8. Its longest river is the Ishikari and its cities include Hakodate and Otaru. Formerly known as Yezo, it has been connected to the country's most populous island by the Seikan tunnel since 1968, and its economic expansion has been symbolized by the growth of its capital, Sapporo. Located east of Russia proper, south of Sakhalin, and west of the Kuril Islands, this is—for 10 points—what northernmost island of Japan?

answer: Hokkaido [do not prompt on "Japan"—the Ishikari is Japan's 2nd longest river]

9. It is small for neutrinos in practically anything, and large for thermal neutrons in cadmium. The mean free path for radiation in a medium is the reciprocal of the macroscopic variety of this material property. The macroscopic variety is the product of the microscopic variety and the target's atom density, and the ratio of its microscopic type to a beam area is the probability that a beam particle will interact with a target nucleus. For 10 points—name this property critical in nuclear and particle physics which is the effective area subtended by a target particle.

answer: cross-section (prompt on sigma)

10. They allowed Metallica to crash with them for part of the 1980s, and denied Beavis and Butt-head's 1993 request to "…like, go on tour with you and stuff." These members of the Beyond Music label made the news more recently with the reissue of their albums *Sound of*

White Noise and *Stomp 442*. For 10 points—name this band whose members are taking cipro to avoid an ironic death.

answer: <u>Anthrax</u>

11. He was a son of Zurvan and the father of Atar, who defeated the dragon Azhi Dahaka. His symbol was a winged disc, and he was often surrounded by the *amesha spentas*; he had two sons, Spenta Mainyu and Angra Mainyu, who became known as Ahriman and Ormuzd, respectively. For 10 points—name this deity, the "Wise Lord" who was the supreme god of Zoroastrianism.

answer: <u>Ahura Mazda</u>

12. Its author claimed that it was published "rather as a psychological curiosity, than on the ground of any supposed *poetic* merits," at the request of a famous poet—most likely Lord Byron. If a man from Porlock had not interrupted, the author might have finished describing his "damsel with a dulcimer" and the mighty fountain that sprang up from the chasm that was the source of the Alph. For 10 points—name this 1816 poem by Samuel Taylor Coleridge.

answer: <u>Kubla Khan</u>

13. Mrs. Marty Chonks, "that bastard" McCaffrey, "Curly" Bob Tanner, Mikey "Lips" Forelli, "Chunky" Lee Chong, and Kenji Kasen all join Salvatore Leone on the list of people you must whack in order to complete this game. Easily the #1-selling videogame of 2001, this third game in its series was named game of the year by IGN and Gamespy. For 10 points—name Rockstar Games' controversial "mafioso masterpiece."

answer: <u>Grand Theft Auto III</u> (prompt on "Grand Theft Auto" or "GTA III" or "GTA")

14. Renson Gasela, a member of parliament, and Welshman Ncube, the secretary-general of this country's main opposition group, were arrested and charged with treason in March. Both were associated with the Movement for Democratic Change, which had sought to make Morgan Tsvangirai the president of this southern African nation. For 10 points—name this country, formerly called Southern Rhodesia, that is led by Robert Mugabe.

answer: Republic of <u>Zimbabwe</u>

15. If the base field is the complex numbers, the fundamental theorem of algebra guarantees that at least one of these scalar quantities exists. If a matrix can be diagonalized, then these are what appear on the diagonal. For Hamiltonian operators, these are the energy values of stationary

states. For 10 points—name the set of values for a parameter, generally symbolized by lambda, that is defined for a linear operator P as those values of lambda such that P x equals lambda x for some nonzero x in the vector space.

answer: eigenvalues

16. Juan Bautista de Toledo and Juan de Herrera designed this building in the pattern of a gridiron, which is the symbol of its dedicatee, St. Lawrence. Its name literally means "the slag heap," and Philip II was required to finance its construction by the will of his father, Charles V. For 10 points—name this palace, monastery, and tomb located near Madrid, Spain.

answer: el Escorial

17. His lesser-known works include the political tract *Perpetual Peace*. A lover of the poetry of Lucretius and a devout Pietist, this devotee of the Rationalist philosophy of Christian Wolff compared the thinking of Newton and Leibniz in his *Monodologia physica*, before writing his *Groundwork for the Metaphysics of Morals* and *Critique of Judgment*. For 10 points—name this philosopher best known for his *Critique of Pure Reason*.

answer: Immanuel Kant

18. His first book was a biography of Mozart, and he first used his pen name in the travel book *Rome, Naples, and Florence in 1817*. This one-time soldier under Napoleon is better known, however, for describing Fabrizio del Dongo's journey from Waterloo to a Carthusian monastery and for documenting the social climbing of Julien Sorel. For 10 points—name the French novelist who wrote *The Charterhouse of Parma* and *The Red and the Black*.

answer: Stendhal (or Henri Marie Beyle)

19. Its manifesto, drafted by William Lovell, contained six demands: universal manhood suffrage, equal voting districts, vote by ballot, annually elected Parliaments, payment of MPs, and the end of property requirements for membership. But the movement failed to collect a million signatures, and its rejection by Parliament in 1839 led to rioting among English workers. For 10 points—name this reform movement whose name came from the title of its manifesto.

answer: Chartism (accept Chartist Movement or Chartists)

20. The operation of RNA polymerase upon the structural genes of this regulatory scheme generally produces a single strand of mRNA that codes for several proteins. In the attenuator-

controlled type, transcription is autoinhibitory and must be catalyzed by the promoter in order to occur. For 10 points—name this gene expression control mechanism, in which genes coding for functionally related proteins are bunched-together, whose "lac" variety for *E. coli* was discovered in 1961 by Jacob and Monod.

answer: operon

1.   Name these things related to disorders of the central nervous system for 10 points each:

a)   This neural tube defect results from a failure of the spine to close during the first month of gestation. In severe cases, the spine may protrude from the back.

answer: spina bifida

b)   This usually fatal neural tube defect results from the failure of the anterior neuropore to close. Affected infants are born without a forebrain or cerebrum and usually die hours after birth.

answer: anencephaly

c)   Excess retinoic acid, which is a metabolite of this vitamin, can cause such neural tube defects as spina bifida and anencephaly, as well as other developmental abnormalities.

answer: vitamin A

2.   Name these products mocked by *The Onion* for 10 points each:

a)   A March 2002 issue claims that this company used the Grapist, a noted pederast, as its mascot until 1989. *Our Dumb Century* claims to have found the company's actual mascot, its namesake man, who supposedly died in the mass suicide at Jonestown.

answer: Kool-Aid

b)   This company's "essentalicious" Mandatory version, announced in an October 2001 issue, is expected to face stiff competition from RC Optional.

answer: Coke or Coca-Cola

c)   The consumer news from an August 1999 issues claims that 80 billion tons of merchandise related to this movie character are now available at over 70% off.

answer: Jar-Jar Binks

3.   It ruled India from roughly 325 to 183 B.C.; under it, the entire country was united for the first time, and the subcontinent's culture reached its greatest heights until the Gupta dynasty. For 10 points:

a)   Name this dynasty.

answer: Mauryan dynasty

b)   Who was the founder of the Mauryan dynasty, an emperor who conquered the kingdom of Magadha and defeated Seulucus I Nicator?

answer: Chandragupta Maurya

c)   What emperor, Chandragupta's grandson, became so upset at the violence he unleashed in the conquest of Kalinga that he became a Buddhist and proclaimed the importance of *ahimsa*?

answer: Asoka

4.   Name these bodies of water connected to the Indian Ocean for 10 points each:

a)   This sea is directly south of Borneo, east of Sumatra, and north of its namesake island.

answer: the Java Sea

b)   This sea is named for an Indian-held island group located north of the Nicobar Islands and directly west of the southern tip of Myanmar.

answer: the Andaman Sea

c)   The Malay Peninsula is separated from Sumatra by this body of water, which begins south of the Andaman Sea.

answer: the Strait of Malacca

5.   Name these Eugene O'Neill plays for 10 points each:

a)   This 1931 trilogy seeks to retell the story of the *Oresteia* in New England, with Ezra Mannon representing Agamemnon, Christine as Clytemnestra, and Lavinia as the title character.

answer: Mourning Becomes Electra

b)   This play focuses on the romance between Eben Cabot and Abbie, his new stepmother. In the end, both are taken away by the sheriff for Anna's killing of their son.

answer: Desire Under the Elms

c)   This nine-act stream of consciousness play describes how Nina Leeds deals with the loss of Gordon Shaw, who was killed as a fighter pilot in World War I.

answer: Strange Interlude

6.   Name these things from chemistry, for 10 points each:

a)   This is the relationship between two or more substances that have the same composition but different chemical properties. It was discovered and named by Berzelius around 1830.

answer: isomerism

b)   This type of isomerism is occurs when two substances have the same composition but are mirror images of each other, as occurs with most amino acids.

answer: optical isomerism or enantiomerism

c)   This is a mixture of optical isomers such that the mixture consists of equal concentrations of each enantiomer; they are optically inactive.

answer: Racemic mixture or racemate

7.   Name these leagues from European history for 10 points each:

a)   This trade association began with a pact between Lübeck and Hamburg in the 1270s, and then dominated northern European commerce until the fifteenth century.

answer: the <u>Hanseatic</u> League (accept the <u>Hansa</u> or the <u>Hanse</u>)

b)   The namesake of a war that began in 1689, it was formed by Holy Roman Emperor Leopold I in 1686 to counter Louis XIV's influence among the German princes.

answer: League of <u>Augsburg</u>

c)   Philip the Magnanimous of Hesse [HESS-uh] organized this league to defend its member against Holy Roman Emperor Charles V, who destroyed it in 1547.

answer: <u>Schmalkaldic</u> League (or <u>Schmalkaldischer</u> Bund)

8.   Do you know your ancient sculptors? For 10 points each, name the artists of these works:

a)   "Discobolos"

answer: <u>Myron</u>

b)   "Hermes Carrying the Infant Dionysus"

answer: <u>Praxiteles</u>

c)   The statue of Zeus at Olympia

answer: <u>Phidias</u>

9.   Name these works by Nikolai Gogol for 10 points each:

a)   Gogol claimed that Aleksandr Pushkin had first suggested the plot of this story, which tells of Pavel Chichikov's scheme to purchase serfs who had died since the last census.

answer: <u>Dead Souls</u> (or <u>Myortvye dushi</u>)

b)   This satirical 1836 play describes how a civil servant named Khlestakov fools the corrupt officials of a provincial Russian town.

answer: The Inspector General or The Government Inspector (accept Revizor)

c) In this 1842 story, a clerk named Akakii Akakievich Bashmachkin begins to climb socially when he changes his style of dress.

answer: The Overcoat (or Shinel)

10. Name the fathers of these Greek heroes, for 10 points each.

a) Jason

answer: Aeson

b) Achilles

answer: Peleus

c) Bellerophon

answer: Glaucus

11. Name these Revolutionary War battles for 10 points each:

a) About 2,300 British troops under William Howe routed the Americans under William Prescott, but only after incurring heavy casualties at this 1775 battle in Charlestown, Massachusetts.

answer: Battle of Bunker Hill (accept Battle of Breed's Hill)

b) About 1700 Americans under Richard Montgomery attempted to assault this fortified city in December 1775. After they were repulsed, Benedict Arnold led the retreat from Canada.

answer: Battle of Quebec

c) A detachment of loyalists under Patrick Ferguson was almost entirely killed or captured by frontiersmen at this South Carolina location in 1780.

answer: Battle of <u>Kings Mountain</u>

12.   Give the namesake of the following things from thermal physics for 10 points each.

a)   This scientist's namesake law says that heat flux is proportional to the gradient of temperature.

answer: Jean-Baptiste-Joseph, Baron <u>Fourier</u>

b)   This mathematician's equation is a case of the wave equation with no variation in time. It states that his namesake operator applied to a function is identically zero and is useful in analysis of steady state temperatures.

answer: Pierre-Simon, Marquis de <u>Laplace</u>

c)   This man's problem is to find a function satisfying Laplace's equation in a region with values for the function given on the boundary.

answer: Peter Gustav Lejeune <u>Dirichlet</u>

13.   30-20-10. Name the sporting superstar.

a)   An infamously poor call regarding a September 24th, 2000, fumble by this player from Winfield, Louisiana led the Big Ten Conference to issue an apology on behalf of its officials.

b)   Taken in the second round of the 2001 draft, this back started eleven of his team's 17 2001-2002 games in spite of injuries. In spite of averaging 4.3 yards per carry in the regular season, he was held to 36 yards rushing on 15 carries in his team's lone playoff game.

c)   This power halfback and graduate of the University of Michigan currently wears number 35 for the Chicago Bears and edged LaDanian Tomlinson out of last year's Offensive Rookie of the Year honors.

answer: The A-Train Anthony <u>Thomas</u> (accept The <u>A-Train</u>)

14. Name these sociologists from works, 10 points from a harder work, 5 if you need easier works:

a) For 10:   *The Rules of Sociological Method*
    For 5:   *The Division of Labor in Society*, *Suicide*

answer: Émile Durkheim

b) For 10:   "Religious Rejections of the World and Their Directions"
    For 5:   *The Theory of Social and Economic Organizations*, *The Protestant Ethic and the Spirit of Capitalism*

answer: Max Weber

c) For 10:   *The Way of the Masks*
    For 5:   *The Savage Mind*, *Structural Anthropology*

answer: Claude Lévi-Strauss

15. For 10 points each, name these African authors who are not Chinua Achebe.

a) This Nobel Prize-winning South African is the author of *The Burger's Daughter*, *July's People*, and *Something Out There*.

answer: Nadine Gordimer

b) This Nigerian playwright is best known for 1962's *The Lion and the Jewel*; his verse has been collected in *Idanre and other Poems* and *Poems from Prison*.

answer: Wole Soyinka (or Akinwande Oluwole Soyinka)

c) This Kenyan has written novels like *Weep Not, Child* and *A Grain of Wheat*, which show his bitterness and anger at contemporary Kenyan politics.

answer: Ngugi wa Thiongo

16. Answer the following about run-time issues in computer science, for 10 points each.

a)   This is the set of problems such that the validity of solutions can be verified in polynomial time.

answer: <u>Nondeterministic Polynomial</u> or <u>NP</u>

b)   If all NP problems are polynomial-time reducible to a chosen problem, then that problem is in this set. Problems in this set are not necessarily NP themselves.

answer: <u>NP-hard</u> (do not accept NP-complete)

c)   This is the intersection of NP and NP-hard; that is, all NP problems are polynomial-time reducible to each problem in this set and all members are themselves NP.

answer: NP-complete

17.   Identify each of the following about a common theme in music for the stated number of points.

a)   (5 points) This doctor's story, related by writhers like Christopher Marlowe, is also the theme of many pieces of music including a symphony by Franz Liszt and some lieder by Richard Wagner.

answer: Doctor <u>Faust</u>us

b)   (10 points) This composer's "dramatic legend" *La Damnation de Faust* appeared after Gérard de Nerval's 1827 translation of Goethe's *Faust* into French.

answer: Hector <u>Berlioz</u>

c)   (15 points) The second movement of this infamous romantic symphony by Gustav Mahler, *Schlussszene Aus 'Faust'*, is an hour long setting of *Faust*'s final action.

answer: Symphony <u>No. 8</u> in E flat major (accept <u>Symphony of a Thousand</u>)

18.   Tennessee will have an open Senate seat this year, thanks to the retirement of its senior senator. For 10 points each:

a)   What Tennessee senator, a former movie actor and chief Republican counsel on the Watergate committee, will not seek reelection?

answer: Fred D(alton) <u>Thompson</u>

b)   What former U. S. education secretary, a presidential candidate in 1996 and 2000, will face Congressman Ed Bryant for the GOP nomination?

answer: Lamar <u>Alexander</u>

c)   What congressman, whose father was governor for three terms, will be the Democratic candidate?

answer: Bob <u>Clement</u>

19.   30-20-10. Name the writer.

a)   Her history of the Roman Republic was apparently lost in the 1850 shipwreck that killed her, her Italian lover, and their illegitimate child off Fire Island, New York.

b)   She expanded her essay "The Great Lawsuit" into the feminist tract *Woman in the Nineteenth Century*, her most important work.

c)   This Transcendentalist is best known for editing *The Dial* from 1840 to 1842, and as the great-aunt of an inventor named Buckminster.

answer: (Sarah) Margaret <u>Fuller</u>

20.   Name these U.S. labor unions, for 15 points each:

a)   Founded by a Philadelphia tailor named Uriah Stephens in 1869, it grew to 702,000 members under Terence Powderly, but lost influence following the Hay Market Square riot.

answer: <u>Knights of Labor</u>

b)   John L. Lewis of the United Mine Workers founded this union in 1935, advocating the industry-wide organization of workers in the mass-production industries (like steel and auto manufacturing.) It was led by Lewis and Philip Murray.

answer: Congress of Industrial Organizations or CIO (accept Committee for Industrial Organization, its original name)