Georgia Tech Round of Questions

(used in 1982 NIT, 4-2-82)

Tossups.

1. This man was voted out of command by his troops after he had won his most famous victory. He was then captured by the British, but managed to escape and join Washington at Valley Forge. For 10 points, name this man who has great fame as a soldier, but whose only military achievement was the capture of Fort Ticonderoga.

    Answer: Ethan Allen

2. For 10 points, what American city acquired its name when it was christened in French as "city of the strait" when founded in 1701 by Antoine de la Mothe Cadillac?

    Answer: Detroit (ville d'etroit)

30 3. He is the counterpart of the Chaldaic Xithuthros, the Hindu Prithu, and the Greek Deucalion. For 10 points, name this son of Lamech, 10th in descent from Adam.

    Answer: Noah

4. If you went from Memphis to St. Louis, you would be traveling along the Mississippi River. For 10 points, if, while making this journey you were singing "The Memphis Blues" and the "St. Louis Blues," whose songs would you be singing?

    Answer: W. C. Handy

5. President Reagan wanted her to be his Secretary of Education, and she has been a subject for "60 Minutes" and "Phil Donahue." For 10 points, who is this woman whose Westside Prep School in Chicago has sparked controversy and acclaim?

    Answer: Marva Collins

6. They are complex molecules containing carbon atoms arranged in four interlocking rings. Three of the rings contain 6 carbon atoms each; the fourth contains five. Examples would be vitamin D, male and female sex hormones, the adrenal cortical hormones, bile salts, and cholesterol. For 10 points, name this familiar class of compounds.

    Answer: steroids

7. Its official name is the Jules Rimet Trophy and it represents the world championship in a particular sport. It was first played for in 1930 and is awarded every four years. For 10 points, what is the common name of this trophy?

    Answer: World Cup (in soccer)

8. "Chapter 46. In which Miss Pecksniff makes love, Mr. Jones makes wrath, Mrs. Gamp makes tea, and Mr. Chuffey makes business." For 10 points, in which Dickens novel would you find this chapter heading?

    Answer: Martin Chuzzlewit

9. They didn't get to play in any of the 1981 divisional playoffs, but this National League team with its .611 won-lost percentage had the best record in major league baseball for the year. For 10 points, name the club.

Answer: Cincinnati Reds or Cincinnati

10. An Italian mathematician of the early 13th century is generally credited with the adoption of Arabic numerals in Europe. You may remember him not for this, but for a series of numbers named for him: 1, 1, 2, 3, 5,8,13, etc. For 10 points, who was he?

Answer: Leonardo Fibonacci or Leonardo of Pisa

11. For 10 points, name either of the two rivers which ran near the city of Troy in classical mythology.

Answer: Xanthus or Scamander

12. The Fathers..."Battle of Murfreesboro" and "Ode to the Confederate Dead" are--for 10 points--works by what 20th-century American author?

Answer: Allen Tate

13. Everyone associates J. Robert Oppenheimer with the Manhattan Project which developed the atomic bomb. But for 10 points, what was the name of the Army general who headed the project?

Answer: General Leslie Richard Groves

14. You'll find Mr. Roberts in the play of that name. For 10 points in what work of prose fiction would you find Mr. Kurtz?

Answer: Heart of Darkness (by Joseph Conrad)

15. The wild carrot has a name suggesting the delicacy of its flower, which is tiny, but blooms in a flat-topped cluster. The royal name £ of the flower suggests that the plant is not a mere weed. For 10 points, what is the name?

Answer: Queen Anne's Lace

16. An English logician in 1880 developed a method of approaching syllogisms by diagrams which utilized circles. The diagrams are today known by his name. For 10 points, what sort of diagrams are they--or, in other words, what's the man's name?

Answer: John Venn

17. Gulliver travelled to the lands of the Lilliputians and the Houhyynhms and to the floating island of Laputa. You've probably been asked those things before. This is a simpler question. For 10 points, what is Gulliver's first name?

Answer: Lemuel

17. This nation has a tradition of nearly a century of democratic rule; its people enjoy a relatively even distribution of wealth. It has never suffered a major invasion or occupation by a foreign power. It is to be the home of the United Nations University of Peace. Its 1949 Constitution forbids the maintenance of a formal military establishment. For 10 points, name this Latin American country.

Answer: Costa Rica

18. Except for the Sun, Proxima Centauri and the Alpha Centauri system are the stars nearest to the earth, at distances of 1.31 and 1.34 parsecs respectively. For 10 points, what is the fourth nearest star to the Earth at a distance of 1.81 parsecs which has the largest proper motion?

Answer: Barnard's Star

19. First explored by Martin Pring in 1603, this river is 350 miles long, from Bangor to the Atlantic, making it the longest river in the state of Maine. For 10 points, what is the name of this river which is also the name of Hotlips Hoolihan's husband in M*A*S*H?

Answer: Penobscot

20. The Frenchman, Sully Prudhomme, won the first Nobel Prize in Literature in 1901. For 10 points, who was the last Frenchman to win the Literature Prize, in 1964?

Answer: Jean Paul Sartre

21. The Seychelles lie in the Indian Ocean about 700 miles northeast of Madagascar. For 10 points, what is the capital city of the Seychelles, with a population of about 23,000 people?

Answer: Victoria

22. For a quick 10 points, what was the familial relationship between Henry VII of England and Henry VIII of England?

Answer: father-son

<u>Bonuses</u> (Georgia Tech)

1. (30 points) Reconstruction was one of the most turbulent eras
    in American history. For 10 points apiece, answer these questions
    concerning the Reconstruction Era.
    a. In August of what year did President Johnson officially pro-
        claim the end of the rebellion?

        Answer: <u>1868</u> ✗

    b. This southern state had been readmitted to the Union and
        federal troops were withdrawn in 1868, but then the state
        legislature expelled Negroes and federal troops were re-
        turned to power. Name the state.

        Answer: <u>Georgia</u>

    c. Radical reconstructionists received a setback in 1866 when
        the courts ruled that martial law was not permitted when
        the civil courts were in operation. Name the famous case.

        Answer: <u>ex parte Milligan</u>

2. (30 points) Identify this 8-letter word from a series of clues.
    Name it after the first clue for 30 points; after the second
    for 20; after the third for 10.
    ane.It is a higher plane curve and a special case of a hypo-
        cycloid. Its equation is x to the two-thirds plus y to the
        two thirds equals R to the two-thirds.
    two. If you add the letters "ea" to the end of this word you
        have a class of the phylum Echinodermata ᴂ including the
        starfish.
    three. They are certain small members of the orbital system
        whose orbits lie between the orbits of Mars and Jupiter.

    Answer: <u>asteroid</u>

3. (30 points) From its beginning, Hollywood has been fascinated
    with "Kings." For 10 points each, give me the titles of the
    following 3 films, each with "King" in the title.
    a. Jack Nicholson, Bruce Dern, and Ellen Burstyn starred in
        this 1972 film about the host of a late night radio talk
        show.
            Answer: The <u>King of Marvin Gardens</u> ✗

    b. This 1941 movie deals with small town life about 1900 and
        how 3 children grew up--starring Ann Sheridan, Robert Cum-
        mings, and Ronald Reagan. ✗
            Answer: <u>King's Row</u>

    c. Merian Cooper and Ernest Schoedsack directed this 1933
        favorite, which won a nomination for Oscar for best photogra-
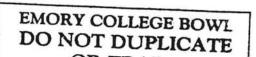   phy.
            Answer: <u>King Kong</u> ✓

4. (30 points) I will describe some events that occur in four tra-
    ditional American folk songs. For 5 points each, you name the
    song; you getan extra 10 points if you name all four.
    a. a lady and her husband head west, with oxen, a hog, a dog,
        and a rooster.
            Answer: <u>Sweet Betsy from Pike</u>

b. Woman shoots lover after catching him in arms of Nellie Blye.
   Answer: Frankie and Johnny

c. Girl dumps guy because of ignominious form of transportation.
   Answer: Bicycle Built for Two

d. Girl becomes guy's "tootsie-wootsie" and strolls down shady lanes with her.
   Answer: In the Good Ol' Summertime

5. (30 points) For 10 points each, tell me in what famous disaster of history each of these men perished.
   a. the Roman historian Pliny the Elder.
      Answer: eruption of Vesuvius or destruction of Pompeii

   b. John Jacob Astor IV.
      Answer: sinking of Titanic

   c. Harry Truman.
      Answer: eruption of Mt. St. Helens (obviously, this is not Pres. Truman—but the old man who refused to leave his home near mountain)

6. (30 points) Heat capacity is defined as the amount of heat in calories required to raise the temperature of one mole of a substance one degree centigrade. In the following questions, "R" is the universal gas constant.

   a. C_v (read C sub v) is the heat aapacity at constant volume of an ideal monatomic gas. For 10 points, what does C_v equal in terms of R?
      Answer: $C_v = 3/2\ R$ ✓ (three-halves R)

   b. For another 10 points, what does C_p, heat capacity at constant pressure, equal in terms of R?
      Answer: $C_p = 5/2\ R$ ✗ (five-halves R)

   c. For a final 10 points, what does the heat-capacity ratio (C_p divided by C_v) equal?
      Answer: $5/3$ or 1.67

7. (30 points) The Nine Worthies were champions of medieval romance. Three were drawn from the Bible, 3 from classical history, and 3 were Christians. For 10 points each:

   a. Name one of the 3 worthies drawn from the Bible.
      Answer: Joshua   David   Judas Maccabaeus ✗

   b. Name one of the 3 worthies of classical history.
      Answer: Hector   Alexander the Great   Julius Caesar ✓

   c. Name one of the 3 Christian worthies.
      Answer: Arthur   Charlemagne   Godfrey of Bouillon

8. (30 points) Name this modern American novelist from 3 titles of his works. Name him after the first clue for 30 points; for 20 after the second; for 10 after the third.
   one. The Great American Novel
   two. Our Gang (Starring Tricky and His Friends)
   three. Portnoy's Complaint.

      Answer: Philip Roth

9. (25 points) Most people knows Indians like Pocahontas and Osceola. For 25 points, identify the man who was of Indian origin and lived for several years on the Kaw Indian Reservation before he became Vice President of the United States for one term in the 20th century.

Answer: Charles Curtis

10. (30 points) For 5 points apiece, name the 4 largest cities in population in India, and for an additional 10 points, indicate which is the largest in population.

Answer: Bombay (largest)   Delhi (do not accept ~~New~~ Delhi)
        Calcutta
        Madras

11. (30 points) For 10 points apiece, identify the sport generally associated with the following terms:
    a. 24-second rule   Answer: basketball

    b. 20-point must system.   Answer: boxing

    c. 20-second rule (not 20-sec. timeout) Answer: boxing (he has
                                                 20 secs. to climb back into
                                                 ring after being forced out)

12. (20 points) Many English writers have actually earned their living in Ireland. For 10 points each, name the English writers who:
    a. in 1580 was appointed private secretary to Lord Grey of Wilton, Lord Deputy of Ireland and who remained in Ireland for the rest of his life.
       Answer: Edmund Spenser

    b. in 1713 was appointed Dean of St. Patrick's Cathedral in Dublin.
       Answer: Jonathan Swift

13. (20 points) The astronomer Johannes Kepler was also an astrologer. He once cast a horoscope for a young man of 25 which predicted that he would lead a life of ambition and violence...and he was right. By 1628 this man was marching through northern Europe with an army of 125,000 men, ostensibly in the service of the Emperor, but actually functioning as an independent force. For 20 points, name this man, who was also Duke of Friedland.

Answer: Wallenstein

14. (20 points) A simple problem in vectors.
    a. For 10 points, add the following 3 vectors together:
       a = 4i - j; b = -3i + 2j; c = -3j.

       Answer: i - 2j

    b. For another 10 points, what is the magnitude of the vector you have just formed by adding the 3 original vectors together?

       Answer: $\sqrt{5}$ or square root of 5

15. (20 points) In Greek myth there was a robber in Attica who placed all who fell into his hands upon an iron bed. If they were longer than the bed, he cut off the overhanging parts; if shorter, he stretched them until they fit. For 10 points, who was he? For another 10 points, what famous hero put an end to his terror by killing the robber on his own bed?

    Answer: Procrustes; killed by Theseus

16. (25 points) He is trying to interest the government of Abu Dhabi in a mastaba, a sort of flat topped pyramid, 49 stories high and made of 390,500 empty oil barrels. He previously strung 24 miles of white nylon curtain through California in 1976 and called it "Running Fence." For 25 points, who is this odd--not to say, weird--artist?

    Answer: Christo or Christo Juvacheff

17. (35 points) To many it seems that the modern world is the age of crazies but ancient history shows some true psychos. A case in point: in 356 B.C. a man determined that his name would be forever remembered if he did something great. So he burned down a building--which happened to be one of the 7 Wonders of the World.
    a. For 15 points, which building was thus destroyed?
    Answer: Temple of Artemis (or Diana) at Ephesus

    b. The indignant citizens of Ephesus decreed that whoever pronounced the name of this man would be put to death. But, unless we have any Ephesians in the audience, you can earn 20 points by pronouncing it, a name which was for a long time synonymous with arsonist.
    Answer: Erostratus

18. (30 points) Swiss literature is not one of the great areas of creative attention. In one field, however, Swiss writers are prominent. For 15 points apiece, name these Swiss authors of children's classics.
    a. The Swiss Family Robinson.
    Answer: J. D. Wyss
    b. Heidi.
    Answer: Johanna Spyri

19. (20 points) He was the last of the Milesian school of philosophers and, like Thales, held that a single element lay behind the diversity of nature. For 20 points, who was this Greek philosopher who thought that all things were made of air?

    Answer: Anaximenes (don't confuse with Anaxagoras or Anaximander)

20. (20 points) For 10 points apiece, name the two major protein constituents of human muscle tissue.

    Answer: actin and Myosin