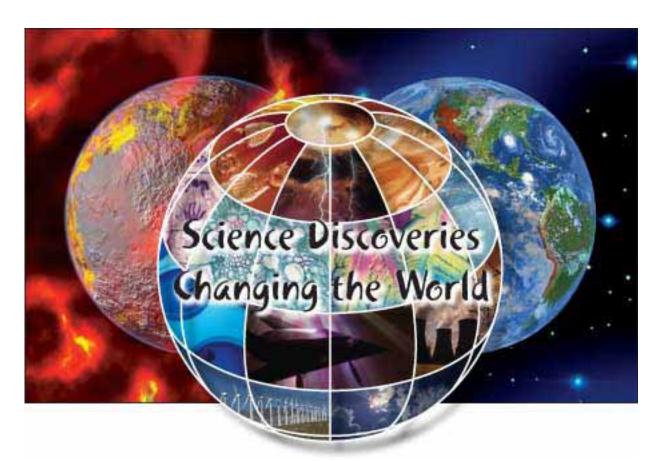


Competition Book



May 1–6, 2008

Washington, D.C.

SUMMARY OF COMPETITION RULES

Competition Structure:

- The first tournament is in a round robin format with **8 divisions**. Each team will play every team in its division.
- The **top 2 teams** from each round robin division will move on to the **double elimination** tournament.
- In the event that the top 2 teams from each division are not clearly identifiable, the **team's ranking in the Division Team Challenge** (DTC) will be used to break the tie.

Rules Summary:

- Two types of questions will be used:
 - Toss-up questions: any member of either team that is currently playing may buzz in and answer a toss-up question. The toss-up must be answered correctly in order for a team to be offered a bonus question. No consultation is permitted among team members during a toss-up.
 - Bonus questions: after a toss-up question is answered correctly, the team is given the opportunity to answer a bonus question.
 Consultation among team members is permitted.
- A player is allowed to **interrupt** the reading of a toss-up question after the moderator has read the subject.
- Before answering a toss-up question, the student must be **verbally recognized**. If a student is not recognized prior to giving an answer, and they have buzzed in, it is considered a **Blurt**, and 4 points will be awarded to the opposing team.
- Challenges may only be made by a team member who is actively competing and must be made before the moderator begins the reading of the next question (including going from a toss-up to a bonus question). All decisions of the judges are final.
- Members of the audience will need to turn off all electronic devices while matches are being played, are not permitted to record any questions or answers, and may not take photographs during the match.

Timing:

- The match is played until either time expires or all of the toss-up questions have been read.
- In each round, there are **two 10 minute halves**, with a 2 minute break in between.
- After a toss-up question is read in its entirety, team members have **5 seconds** to buzz in.
- After a bonus question is read in its entirety, the captain of the team answering has **20 seconds** to begin answering the question.
- Teams will have **30 seconds** to begin answering **bonus visual questions**.
- So long as the moderator has read the subject of the question when time runs out, the entire process continues.

Scoring:

| Type of Question | Points Awarded |
|--|---|
| Correct Toss-up | +4 points, & eligible for bonus |
| Incorrect Toss-up | +0 points |
| Correct Bonus | +10 points |
| Incorrect Bonus | +0 points |
| Interrupted Toss-up: | |
| Correct Answer | +4 points, & eligible for bonus |
| Incorrect Answer | +4 points to opposing team |
| After a team member buzzes in: | |
| Unrecognized Toss-up (Blurt) | +4 points to opposing team |
| Unrecognized Interrupted Toss-up (Blurt) | +4 points to opposing team |
| Before a team member buzzes in: | |
| Answering a Toss-up | +0 points but team will be |
| | disqualified from toss-up |
| Consultation Among Players | +0 points but team will be disqualified from toss-up |



2008 NATIONAL SCIENCE BOWL®

May 1–6, 2008

National 4-H Youth Conference Center National Building Museum

http://nationalsciencebowl.energy.gov

| TEAM | REGIONAL SITE | DIVISION & NUMBER |
|--|---|-------------------|
| Aberdeen Central High School | WAPA - Huron | |
| Acalanes High School | Lawrence Berkeley National Laboratory | |
| Adlai E. Stevenson High School | William Fremd High School | |
| Albany High School | Sandia National Laboratories - California | |
| Albuquerque Academy | Sandia National Laboratories - New Mexico | |
| Amarillo High School - Gold | B&W Pantex | |
| A&M Consolidated High School | Texas A&M University | |
| Bellevue East High School | Natural Resources Conservation Service | |
| Biomedical STEP/Buffalo Prep | Monroe Community College | |
| Blue Valley West High School | Kansas City Plant | |
| Brooklyn Technical High School | Brookhaven National Laboratory | |
| Brophy College Preparatory | WAPA - Desert Southwest | |
| Burnt Hills-Ballston Lake High School | Knolls Atomic & General Electric Upstate New York | |
| Cape Elizabeth High School | University of Southern Maine | |
| Capital High School | National Energy Technology Laboratory - Morgantown | |
| Cedar Rapids Marion Home Schools | Ames Laboratory | |
| Chico High School | City of Redding Electric Utility | |
| Cole Valley Christian School | Batelle Energy Alliance - Idaho | |
| Dickinson High School | WAPA - Bismarck | |
| Edinburg North High School | University of Texas - Pan American | |
| Fairview High School | WAPA - Rocky Mountain Region | |

| TEAM | REGIONAL SITE | DIVISION & NUMBER |
|---|---|----------------------|
| Glastonbury High School | University of Connecticut | |
| High Technology High School | Princeton Plasma Physics Laboratory | |
| Homestead High School | Stanford Linear Accelerator Center | |
| Huntsville High School | University of Arkansas - Fort Smith | |
| Idaho Falls High School | Idaho National Laboratory | |
| J.M. Hanks High School | SHPE New Mexico State University | |
| Lafayette High School | Strategic Petroleum Reserve | |
| Lakeside High School | Savannah River WSRC | |
| Lexington High School | Boston University | |
| Marshfield High School | Milwaukee School of Engineering | |
| Miami Palmetto Senior High School | SHPE - Florida International University | |
| Mira Loma High School | WAPA - Sierra Nevada Region | |
| Mississippi School for Mathematics and Science | Mississippi University for Women | |
| Mountain View High School | Bonneville Power Administration | |
| North Hollywood High School | Los Angeles Department of Water and Power | |
| Oak Park High School | Kansas City Plant | |
| Oak Ridge High School | Oak Ridge Institute for Science & Education | |
| Palm Harbor University High School | Science Center of Pinellas County | |
| Pueblo Centennial High School | National Renewable Energy Laboratory | |
| Pullman High School | Pacific Northwest Site Office | |

| TEAM | REGIONAL SITE | DIVISION & NUMBER |
|--|---|----------------------|
| Punahou School | Hawaii Science Bowl | |
| Renaissance High School | NOBCChE Midwest Region | |
| Saint John's School | Society of Hispanic Professional Engineers - University of Puerto Rico - Mayaguez | |
| Saint Mary's Hall School | Texas San Antonio | |
| Santa Monica High School | Jet Propulsion Laboratory | |
| School of Imaging & Information Technology at Edison | NOBCChE Northeast Region | |
| Skyview High School | WAPA - Billings | |
| Soda Springs High School | U.S. Department of Energy - Idaho Operations Office | |
| Star Valley High School | Rocky Mountain Oilfield Testing Center | |
| State College Area High School | National Energy Technology Laboratory - Pittsburgh | |
| St. Croix Educational Complex | Virgin Islands Department of Education | |
| Stockdale High School | California State University | |
| St. Paul Central High School | Minnesota Academy of Science | |
| Sycamore High School | DOE Environmental Management Consolidated Business Center | |
| Terre Haute South Vigo High School | Indiana State University | |
| Texas Academy of Mathematics and Science | Texas Society of Hispanic Professional Engineers | |
| The Meadows School | National Nuclear Security Administration - Nevada Operations Office | |

| TEAM | REGIONAL SITE | DIVISION & NUMBER |
|---|---|----------------------|
| Theodore Roosevelt High School | SHPE Region 6 - Chicago Science Bowl | |
| The Preuss School UCSD | NOBCChE San Diego | |
| The Randolph School | Alabama School of Math & Science | |
| Thomas Downey High School | Modesto Irrigation District | |
| Thomas Jefferson High School for Science & Technology | Thomas Jefferson National Accelerator Facility | |
| Walton High School | Armstrong Atlantic State University | |
| Walt Whitman High School | Montgomery College | |
| William G. Enloe High School | North Carolina Central University | |
| Woodrow Wilson Senior High School | Howard University | |

U.S. Department of Energy 2008 NATIONAL SCIENCE BOWL® TEAM NAMES BY DIVISION

| | ARRHENIUS DIVISION | BROMERY DIVISION | | | |
|--------|--------------------|------------------|--------|--|--|
| TEAM # | SCHOOL | TEAM # | SCHOOL | | |
| A - 1 | | B - 1 | | | |
| A - 2 | | B - 2 | | | |
| A - 3 | | B - 3 | | | |
| A - 4 | | B - 4 | | | |
| A - 5 | | B - 5 | | | |
| A - 6 | | B - 6 | | | |
| A - 7 | | B - 7 | | | |
| A - 8 | | B - 8 | | | |
| A - 9 | | B - 9 | | | |

| | CURIE DIVISION | | DARWIN DIVISION |
|--------|-----------------------|--------|-----------------|
| TEAM # | SCHOOL | TEAM # | SCHOOL |
| C - 1 | | D - 1 | |
| C - 2 | | D - 2 | |
| C - 3 | | D - 3 | |
| C - 4 | | D - 4 | |
| C - 5 | | D - 5 | |
| C - 6 | | D - 6 | |
| C - 7 | | D - 7 | |
| C - 8 | | D - 8 | |
| C - 9 | | | |

U.S. Department of Energy 2008 NATIONAL SCIENCE BOWL® TEAM NAMES BY DIVISION

| | EINSTEIN DIVISION | FERMI DIVISION | | | |
|--------|-------------------|----------------|--------|--|--|
| TEAM # | SCHOOL | TEAM # | SCHOOL | | |
| E - 1 | | F - 1 | | | |
| E - 2 | | F - 2 | | | |
| E - 3 | | F - 3 | | | |
| E - 4 | | F - 4 | | | |
| E - 5 | | F - 5 | | | |
| E - 6 | | F - 6 | | | |
| E - 7 | | F - 7 | | | |
| E - 8 | | F - 8 | | | |

| | GALILEO DIVISION | HYPATIA DIVISION | | | |
|--------|------------------|------------------|--------|--|--|
| TEAM # | SCHOOL | TEAM # | SCHOOL | | |
| G - 1 | | H - 1 | | | |
| G - 2 | | H - 2 | | | |
| G - 3 | | H - 3 | | | |
| G - 4 | | H - 4 | | | |
| G - 5 | | H - 5 | | | |
| G - 6 | | Н - 6 | | | |
| G - 7 | | H - 7 | | | |
| G - 8 | | H - 8 | | | |

ARRHENIUS DIVISION

Nine (9) Teams

| ROUND | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | BYE TEAM |
|-----------------|--------|------------|--------|------------|--------|-------------|-----------|-------------|-------------|
| 1 11:15 A.M. | 1 VS 2 | ОНЮ | 3 VS 4 | MINNESOTA | 5 VS 6 | JOHN DEERE | 7 VS 8 | MISSOURI | 9 |
| 2 12:00 NOON | 1 VS 3 | ОНЮ | 2 VS 4 | MINNESOTA | 6 VS 9 | JOHN DEERE | 5 VS 7 | MISSOURI | 8 |
| 3 12:30 P.M. | | NO | | GAMES | | THIS | | ROUND | |
| 4 1:00 P.M. | 1 VS 4 | CLOVER "A" | 2 VS 3 | CLOVER "C" | 5 VS 9 | AMERICA "A" | 6 VS 8 | AMERICA "B" | 7 |
| 5 1:30 P.M. | 4 VS 8 | CLOVER "A" | 3 VS 7 | CLOVER "C" | 2 VS 9 | AMERICA "A" | 1 VS 5 | AMERICA "B" | 6 |
| 6 2:00 P.M. | 3 VS 8 | CLOVER "A" | 2 VS 7 | CLOVER "C" | 4 VS 9 | AMERICA "A" | 1 VS 6 | AMERICA "B" | 5 |
| 2:30 P.M. | В | R | E | A | K | RECREATIO | N CTR & I | KANSAS COUR | TYARD |
| 7 3:00 P.M. | 1 VS 7 | CALIFORNIA | 3 VS 6 | MONTANA | 8 VS 9 | IDAHO | 2 VS 5 | ILLINOIS | 4 |
| 8 3:30 P.M. | 1 VS 9 | CALIFORNIA | 6 VS 7 | MONTANA | 2 VS 8 | IDAHO | 4 VS 5 | ILLINOIS | 3 |
| 9 4:00 P.M. | 7 VS 9 | CALIFORNIA | 4 VS 6 | MONTANA | 3 VS 5 | IDAHO | 1 VS 8 | ILLINOIS | 2 |
| 10 4:30 P.M. | 4 VS 7 | CALIFORNIA | 2 VS 6 | MONTANA | 5 VS 8 | IDAHO | 3 VS 9 | ILLINOIS | 1 |

| 5:15 P.M. | ANNOUNCEMENTS | RECREATION CENTER |
|------------------------------|--|-------------------|
| 5:00 P.M. TO 6:45 P.M. | DINNER & TEAM CAPTAINS RECEIVE DOUBLE ELIMINATION NAME TENTS | CLOVER CAFÉ |

Svante ARRHENIUS (1859 – 1927); Physical Chemist, Professor

Svante Arrhenius, who won a Nobel Prize in Chemistry, was a Swedish physical chemist most noted for his theory that electrolytes are dissociated into electrically charged particles, or ions, even when there is no current flowing through the solution as well as his work on the greenhouse effect.

| TEAM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL POINTS | DTC RANK |
|------|---|---|---|---|----|---|---|---|---|-----------------|-------------|
| 1 | | | | | | | | | | | |
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| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | 1 | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |

BROMERY DIVISION

Nine (9) Teams

| ROUND | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | BYE TEAM |
|-----------------|--------|------------|--------|------------------|--------|-------------|-----------|-------------|-------------|
| 1 11:15 A.M. | 1 VS 2 | CLOVER "A" | 3 VS 4 | CLOVER "C" | 5 VS 6 | AMERICA "A" | 7 VS 8 | AMERICA "B" | 9 |
| 2 12:00 NOON | 1 VS 3 | CLOVER "A" | 2 VS 4 | CLOVER "C" | 6 VS 9 | AMERICA "A" | 5 VS 7 | AMERICA "B" | 8 |
| 3 12:30 P.M. | 1 VS 4 | CLOVER "A" | 2 VS 3 | CLOVER "C" | 5 VS 9 | AMERICA "A" | 6 VS 8 | AMERICA "B" | 7 |
| 4 1:00 P.M. | | NO | | GAMES | | THIS | | ROUND | |
| 5 1:30 P.M. | 4 VS 8 | WISCONSIN | 3 VS 7 | WEST VIRGINIA | 2 VS 9 | WASHINGTON | 1 VS 5 | LOUISIANA | 6 |
| 6 2:00 P.M. | 3 VS 8 | WISCONSIN | 2 VS 7 | WEST VIRGINIA | 4 VS 9 | WASHINGTON | 1 VS 6 | LOUISIANA | 5 |
| 2:30 P.M. | В | R | E | A | K | RECREATIO | N CTR & I | KANSAS COUR | TYARD |
| 7 3:00 P.M. | 1 VS 7 | WISCONSIN | 3 VS 6 | WEST VIRGINIA | 8 VS 9 | WASHINGTON | 2 VS 5 | LOUISIANA | 4 |
| 8 3:30 P.M. | 1 VS 9 | WISCONSIN | 6 VS 7 | WEST VIRGINIA | 2 VS 8 | WASHINGTON | 4 VS 5 | LOUISIANA | 3 |
| 9 4:00 P.M. | 7 VS 9 | WISCONSIN | 4 VS 6 | WEST VIRGINIA | 3 VS 5 | WASHINGTON | 1 VS 8 | LOUISIANA | 2 |
| 10 4:30 P.M. | 4 VS 7 | WISCONSIN | 2 VS 6 | WEST VIRGINIA | 5 VS 8 | WASHINGTON | 3 VS 9 | LOUISIANA | 1 |

| 5:15 P.M. | ANNOUNCEMENTS | RECREATION CENTER |
|------------------------------|--|-------------------|
| 5:00 P.M. TO 6:45 P.M. | DINNER & TEAM CAPTAINS RECEIVE DOUBLE ELIMINATION NAME TENTS | CLOVER CAFÉ |

Randolph BROMERY (1926 –); Geophysicist, Geologist, Educator

Randolph Bromery, a Tuskegee Airman and pioneer in the integration of African Americans into the field of Earth science, contributed in the ground-breaking efforts of airborne geomagnetic surveying that involved the development and testing of new equipment and the interpretation of data.

| TEAM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL POINTS | DTC RANK |
|------|---|---|---|---|----|---|---|---|---|-----------------|-------------|
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| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |

CURIE DIVISION

Nine (9) Teams

| ROUND | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | BYE TEAM |
|-----------------|--------|---------|--------|-----------|--------|------------|-----------|-------------|-------------|
| 1 11:15 A.M. | 1 VS 2 | INDIANA | 3 VS 4 | MICHIGAN | 5 VS 6 | KENTUCKY | 7 VS 8 | COLORADO | 9 |
| 2 12:00 NOON | | NO | | GAMES | | THIS | | ROUND | |
| 3 12:30 P.M. | 1 VS 3 | ОНЮ | 2 VS 4 | MINNESOTA | 6 VS 9 | JOHN DEERE | 5 VS 7 | MISSOURI | 8 |
| 4 1:00 P.M. | 1 VS 4 | ОНЮ | 2 VS 3 | MINNESOTA | 5 VS 9 | JOHN DEERE | 6 VS 8 | MISSOURI | 7 |
| 5 1:30 P.M. | 4 VS 8 | ОНЮ | 3 VS 7 | MINNESOTA | 2 VS 9 | JOHN DEERE | 1 VS 5 | MISSOURI | 6 |
| 6 2:00 P.M. | 3 VS 8 | ОНЮ | 2 VS 7 | MINNESOTA | 4 VS 9 | JOHN DEERE | 1 VS 6 | MISSOURI | 5 |
| 2:30 P.M. | В | R | E | A | K | RECREATIO | N CTR & I | KANSAS COUR | TYARD |
| 7 3:00 P.M. | 1 VS 7 | INDIANA | 3 VS 6 | MICHIGAN | 8 VS 9 | KENTUCKY | 2 VS 5 | COLORADO | 4 |
| 8 3:30 P.M. | 1 VS 9 | INDIANA | 6 VS 7 | MICHIGAN | 2 VS 8 | KENTUCKY | 4 VS 5 | COLORADO | 3 |
| 9 4:00 P.M. | 7 VS 9 | INDIANA | 4 VS 6 | MICHIGAN | 3 VS 5 | KENTUCKY | 1 VS 8 | COLORADO | 2 |
| 10 4:30 P.M. | 4 VS 7 | INDIANA | 2 VS 6 | MICHIGAN | 5 VS 8 | KENTUCKY | 3 VS 9 | COLORADO | 1 |

| 5:15 P.M. | ANNOUNCEMENTS | RECREATION CENTER |
|------------------------------|--|-------------------|
| 5:00 P.M. TO 6:45 P.M. | DINNER & TEAM CAPTAINS RECEIVE DOUBLE ELIMINATION NAME TENTS | CLOVER CAFÉ |

Marie CURIE (1867 – 1934); Physicist, Chemist, Professor

Marie Curie's work in radioactivity and isolating radium was a key to a basic change in our understanding of matter and energy and highly impacted new advances in medical research and treatments. She won Nobel Prizes in both Physics and Chemistry.

| TEAM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL POINTS | DTC RANK |
|------|---|---|---|-------|------|---|---|---|---|-----------------|-------------|
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| 7 | | | | 1 | 1 | | | | | | |
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| 9 | | | | | | | | | | | |

DARWIN DIVISION

Eight (8) Teams

| ROUND | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM |
|-----------------|----------------|-------------------|----------------|-------------------|-------------|-------------------|----------------|----------------|
| 1 11:15 A.M. | 1 VS 2 | WISCONSIN | 3 VS 4 | WEST VIRGINIA | TEAMS 5 & 6 | OFF THIS ROUND | TEAMS 7 & 8 | OFF THIS ROUND |
| 2 12:00 NOON | TEAMS 1 & 2 | OFF THIS ROUND | TEAMS 3 & 4 | OFF THIS ROUND | 5 VS 6 | WASHINGTON | 7 VS 8 | LOUISIANA |
| 3 12:30 P.M. | 1 VS 3 | WISCONSIN | 2 VS 4 | WEST VIRGINIA | 5 VS 7 | WASHINGTON | 6 VS 8 | LOUISIANA |
| 4 1:00 P.M. | 1 VS 4 | WISCONSIN | 2 VS 3 | WEST VIRGINIA | 6 VS 7 | WASHINGTON | 5 VS 8 | LOUISIANA |
| 5 1:30 P.M. | | NO | | GAMES | | THIS | | ROUND |
| 6 2:00 P.M. | 1 VS 5 | INDIANA | 2 VS 6 | MICHIGAN | 3 VS 7 | KENTUCKY | 4 VS 8 | COLORADO |
| 2:30 P.M. | В | R | E | A | K | RECREATION C | CTR & KAN | SAS COURTYARD |
| 7 3:00 P.M. | 1 VS 6 | ОНЮ | 2 VS 5 | MINNESOTA | 4 VS 7 | JOHN DEERE | 3 VS 8 | MISSOURI |
| 8 3:30 P.M. | 1 VS 7 | ОНЮ | 3 VS 5 | MINNESOTA | 4 VS 6 | JOHN DEERE | 2 VS 8 | MISSOURI |
| 9 4:00 P.M. | TEAMS 3 & 6 | OFF THIS ROUND | TEAMS 4 & 5 | OFF THIS ROUND | 2 VS 7 | JOHN DEERE | 1 VS 8 | MISSOURI |
| 10 4:30 P.M. | 3 VS 6 | ОНЮ | 4 VS 5 | MINNESOTA | TEAMS 2 & 7 | OFF THIS ROUND | TEAMS 1 & 8 | OFF THIS ROUND |

| 5:15 P.M. | ANNOUNCEMENTS | RECREATION CENTER |
|------------------------------|--|-------------------|
| 5:00 P.M. TO 6:45 P.M. | DINNER & TEAM CAPTAINS RECEIVE DOUBLE ELIMINATION NAME TENTS | CLOVER CAFÉ |

Charles DARWIN (1809 – 1882); Naturalist, Geologist, Biologist, Author

Charles Darwin was a British scientist who laid the foundations of the theory of evolution and natural selection and transformed the way we think about the natural world.

| TEAM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | TOTAL POINTS | DTC RANK |
|------|---|----|---|---|-----|--|--|---|-----------------|-------------|
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| 4 | | | | | 1 | | | | | |
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| 6 | | | - | | | | | | | |
| 7 | | WE | | 1 | 7 | - | | | | |
| 8 | | | | | | | | | | |

EINSTEIN DIVISION

Eight (8) Teams

| ROUND | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM |
|-----------------|--------|----------|--------|----------|----------------|-------------------|----------------|----------------|
| 1 11:15 A.M. | 5 VS 6 | IOWA "A" | 7 VS 8 | IOWA "B" | TEAMS 1 & 2 | OFF THIS ROUND | TEAMS 3 & 4 | OFF THIS ROUND |
| 2 12:00 NOON | 1 VS 2 | IOWA "A" | 3 VS 4 | IOWA "B" | TEAMS 5 & 6 | OFF THIS ROUND | TEAMS 7 & 8 | OFF THIS ROUND |
| 3 12:30 P.M. | 1 VS 3 | IOWA "A" | 2 VS 4 | IOWA "B" | 5 VS 7 | ARKANSAS | 6 VS 8 | OKLAHOMA "A" |
| 4 1:00 P.M. | 1 VS 4 | IOWA "A" | 2 VS 3 | IOWA "B" | 6 VS 7 | ARKANSAS | 5 VS 8 | OKLAHOMA "A" |
| 5 1:30 P.M. | 1 VS 5 | IOWA "A" | 2 VS 6 | IOWA "B" | TEAMS 3 & 7 | OFF THIS ROUND | TEAMS 4 & 8 | OFF THIS ROUND |
| 6 2:00 P.M. | 1 VS 6 | IOWA "A" | 2 VS 5 | IOWA "B" | 4 VS 7 | IDAHO | 3 VS 8 | ILLINOIS |
| 2:30 P.M. | В | R | E | A | K | RECREATION C | TR & KAN | SAS COURTYARD |
| 7 3:00 P.M. | 1 VS 7 | IOWA "A" | 2 VS 8 | IOWA "B" | TEAMS 4 & 6 | OFF THIS ROUND | TEAMS 3 & 5 | OFF THIS ROUND |
| 8 3:30 P.M. | 4 VS 6 | IOWA "A" | 3 VS 5 | IOWA "B" | TEAMS 1 & 7 | OFF THIS ROUND | TEAMS 2 & 8 | OFF THIS ROUND |
| 9 4:00 P.M. | 3 VS 6 | IOWA "A" | 4 VS 5 | IOWA "B" | 2 VS 7 | ОНЮ | 1 VS 8 | MINNESOTA |
| 10 4:30 P.M. | 3 VS 7 | IOWA "A" | 4 VS 8 | IOWA "B" | TEAMS 1 & 5 | OFF THIS ROUND | TEAMS 2 & 6 | OFF THIS ROUND |

| 5:15 P.M. | ANNOUNCEMENTS | RECREATION CENTER |
|------------------------------|--|-------------------|
| 5:00 P.M. TO 6:45 P.M. | DINNER & TEAM CAPTAINS RECEIVE DOUBLE ELIMINATION NAME TENTS | CLOVER CAFÉ |

Albert EINSTEIN (1879 – 1955); Theoretical Physicist, Professor

Albert Einstein, one of the greatest scientific minds of all time, was a German-born theoretical physicist best known for his theory of relativity and specifically mass-energy equivalence, $E = mc^2$. He received a Nobel Prize in Physics.

| TEAM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | TOTAL POINTS | DTC RANK |
|------|---|---|---|---|-----|---------|----|-------|-----------------|-------------|
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| 4 | | | | | 7/4 | | | | | |
| 5 | | | | | | Strains | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | A. P. | | |
| 8 | | | | | | | | | | |

FERMI DIVISION

Eight (8) Teams

| ROUND | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM |
|-----------------|--------|------------|--------|------------|--------|--------------|----------|---------------|
| 1 11:15 A.M. | | NO | | GAMES | | THIS | | ROUND |
| 2 12:00 NOON | 1 VS 2 | INDIANA | 3 VS 4 | MICHIGAN | 5 VS 6 | KENTUCKY | 7 VS 8 | COLORADO |
| 3 12:30 P.M. | 1 VS 3 | INDIANA | 2 VS 4 | MICHIGAN | 6 VS 8 | KENTUCKY | 5 VS 7 | COLORADO |
| 4 1:00 P.M. | 1 VS 4 | INDIANA | 2 VS 3 | MICHIGAN | 5 VS 8 | KENTUCKY | 6 VS 7 | COLORADO |
| 5 1:30 P.M. | 1 VS 5 | INDIANA | 2 VS 6 | MICHIGAN | 3 VS 7 | KENTUCKY | 4 VS 8 | COLORADO |
| 6 2:00 P.M. | | NO | | GAMES | | THIS | | ROUND |
| 2:30 P.M. | В | R | E | A | K | RECREATION C | TR & KAN | SAS COURTYARD |
| 7 3:00 P.M. | 1 VS 6 | CLOVER "A" | 2 VS 5 | CLOVER "C" | 4 VS 7 | AMERICA "A" | 3 VS 8 | AMERICA "B" |
| 8 3:30 P.M. | 1 VS 7 | CLOVER "A" | 2 VS 8 | CLOVER "C" | 4 VS 6 | AMERICA "A" | 3 VS 5 | AMERICA "B" |
| 9 4:00 P.M. | 2 VS 7 | CLOVER "A" | 1 VS 8 | CLOVER "C" | 3 VS 6 | AMERICA "A" | 4 VS 5 | AMERICA "B" |
| 10 4:30 P.M. | | NO | | GAMES | | THIS | | ROUND |

| 5:15 P.M. | ANNOUNCEMENTS | RECREATION CENTER |
|------------------------------|--|-------------------|
| 5:00 P.M. TO 6:45 P.M. | DINNER & TEAM CAPTAINS RECEIVE DOUBLE ELIMINATION NAME TENTS | CLOVER CAFÉ |

Enrico FERMI (1901 – 1954); Physicist, Professor

Enrico Fermi was an Italian physicist best known for his work on the development of the first nuclear reactor, and for his contributions to the development of quantum theory, nuclear and particle physics, and statistical mechanics. He was a Nobel Prize winner in Physics.

| TEAM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | TOTAL POINTS | DTC RANK |
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GALILEO DIVISION

Eight (8) Teams

| ROUND | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM |
|-----------------|----------------|----------------------|-------------|-------------------|----------------|-------------------|-------------|----------------|
| 1 11:15 A.M. | 1 VS 2 | SATURDAY TIME TBD | 3 VS 4 | ARKANSAS | 5 VS 6 | OKLAHOMA "A" | 7 VS 8 | OKLAHOMA "C" |
| 2 12:00 NOON | 1 VS 3 | SATURDAY TIME TBD | 2 VS 4 | ARKANSAS | 5 VS 7 | OKLAHOMA "A" | 6 VS 8 | OKLAHOMA "C" |
| 3 12:30 P.M. | 1 VS 4 | SATURDAY TIME TBD | TEAMS 6 & 7 | OFF THIS ROUND | TEAMS 5 & 8 | OFF THIS ROUND | 2 VS 3 | OKLAHOMA "C" |
| 4 1:00 P.M. | 1 VS 5 | SATURDAY TIME TBD | 3 VS 7 | CALIFORNIA | 4 VS 8 | MONTANA | 2 VS 6 | OKLAHOMA "C" |
| 5 1:30 P.M. | 1 VS 6 | SATURDAY TIME TBD | 4 VS 7 | CALIFORNIA | 3 VS 8 | MONTANA | 2 VS 5 | OKLAHOMA "C" |
| 6 2:00 P.M. | 1 VS 7 | SATURDAY TIME TBD | 4 VS 6 | CALIFORNIA | 2 VS 8 | MONTANA | 3 VS 5 | OKLAHOMA "C" |
| 2:30 P.M. | В | R | E | A | K | RECREATION C | TR & KAN | SAS COURTYARD |
| 7 3:00 P.M. | TEAMS 1 & 4 | OFF THIS ROUND | 6 VS 7 | ARKANSAS | 5 VS 8 | OKLAHOMA "A" | TEAMS 2 & 3 | OFF THIS ROUND |
| 8 3:30 P.M. | | NO | | GAMES | | THIS | | ROUND |
| 9 4:00 P.M. | TEAMS 1 & 8 | OFF THIS ROUND | TEAMS 3 & 6 | OFF THIS ROUND | TEAMS 4 & 5 | OFF THIS ROUND | 2 VS 7 | OKLAHOMA "C" |
| 10 4:30 P.M. | 1 VS 8 | SATURDAY TIME TBD | 3 VS 6 | ARKANSAS | 4 VS 5 | OKLAHOMA "A" | TEAMS 2 & 7 | OFF THIS ROUND |

| 5:15 P.M. | ANNOUNCEMENTS | RECREATION CENTER |
|------------------------------|--|-------------------|
| 5:00 P.M. TO 6:45 P.M. | DINNER & TEAM CAPTAINS RECEIVE DOUBLE ELIMINATION NAME TENTS | CLOVER CAFÉ |

Galileo GALILEI (1564 – 1642); Physicist, Mathematician, Astronomer, Philosopher

Galileo Galilei, the "father of modern observational astronomy," was an Italian physicist whose achievements include the first systematic studies of uniformly accelerated motion as well as improvements to the telescope and consequent astronomical observations.

| TEAM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | TOTAL POINTS | DTC RANK |
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HYPATIA DIVISION

Eight (8) Teams

| ROUND | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM | TEAMS | ROOM |
|-----------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|----------------|
| 1 11:15 A.M. | 1 VS 5 | CALIFORNIA | 2 VS 6 | MONTANA | 3 VS 7 | IDAHO | 4 VS 8 | ILLINOIS |
| 2 12:00 NOON | 1 VS 6 | CALIFORNIA | 2 VS 5 | MONTANA | 4 VS 7 | IDAHO | 3 VS 8 | ILLINOIS |
| 3 12:30 P.M. | 6 VS 7 | CALIFORNIA | 5 VS 8 | MONTANA | 1 VS 4 | IDAHO | 2 VS 3 | ILLINOIS |
| 4 1:00 P.M. | TEAMS 5 & 6 | OFF THIS ROUND | TEAMS 7 & 8 | OFF THIS ROUND | 1 VS 2 | IDAHO | 3 VS 4 | ILLINOIS |
| 5 1:30 P.M. | 5 VS 6 | ARKANSAS | 7 VS 8 | OKLAHOMA "A" | 1 VS 3 | IDAHO | 2 VS 4 | ILLINOIS |
| 6 2:00 P.M. | 5 VS 7 | ARKANSAS | 6 VS 8 | OKLAHOMA "A" | TEAMS 1 & 3 | OFF THIS ROUND | TEAMS 2 & 4 | OFF THIS ROUND |
| 2:30 P.M. | В | R | E | A | K | RECREATION C | TR & KAN | SAS COURTYARD |
| 7 3:00 P.M. | 1 VS 7 | OKLAHOMA "C" | TEAMS 3 & 5 | OFF THIS ROUND | TEAMS 4 & 6 | OFF THIS ROUND | TEAMS 2 & 8 | OFF THIS ROUND |
| 8 3:30 P.M. | TEAMS 1 & 7 | OFF THIS ROUND | 3 VS 5 | ARKANSAS | 4 VS 6 | OKLAHOMA "A" | 2 VS 8 | OKLAHOMA "C" |
| 9 4:00 P.M. | | NO | | GAMES | | THIS | | ROUND |
| 10 4:30 P.M. | 2 VS 7 | CLOVER "A" | 3 VS 6 | CLOVER "C" | 4 VS 5 | AMERICA "A" | 1 VS 8 | AMERICA "B" |

| 5:15 P.M. | ANNOUNCEMENTS | RECREATION CENTER |
|------------------------------|--|-------------------|
| 5:00 P.M. TO 6:45 P.M. | DINNER & TEAM CAPTAINS RECEIVE DOUBLE ELIMINATION NAME TENTS | CLOVER CAFÉ |

HYPATIA (about 370 – 415 AD); Mathematician, Astronomer, Philosopher

Hypatia, an Egyptian scholar, was the first woman to make a substantial contribution to the development of mathematics by making geometry intelligible to her students. She also taught philosophy and astronomy.

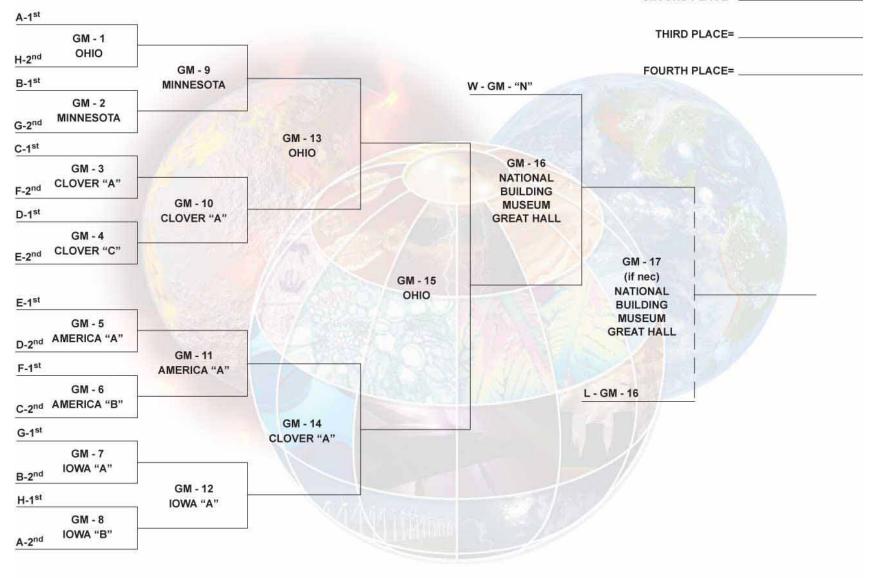
| TEAM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | TOTAL POINTS | DTC RANK |
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SIXTEEN (16) TEAM DOUBLE ELIMINATION

OVERALL CHAMPION= _____

NO-LOSS BRACKET

SECOND PLACE=



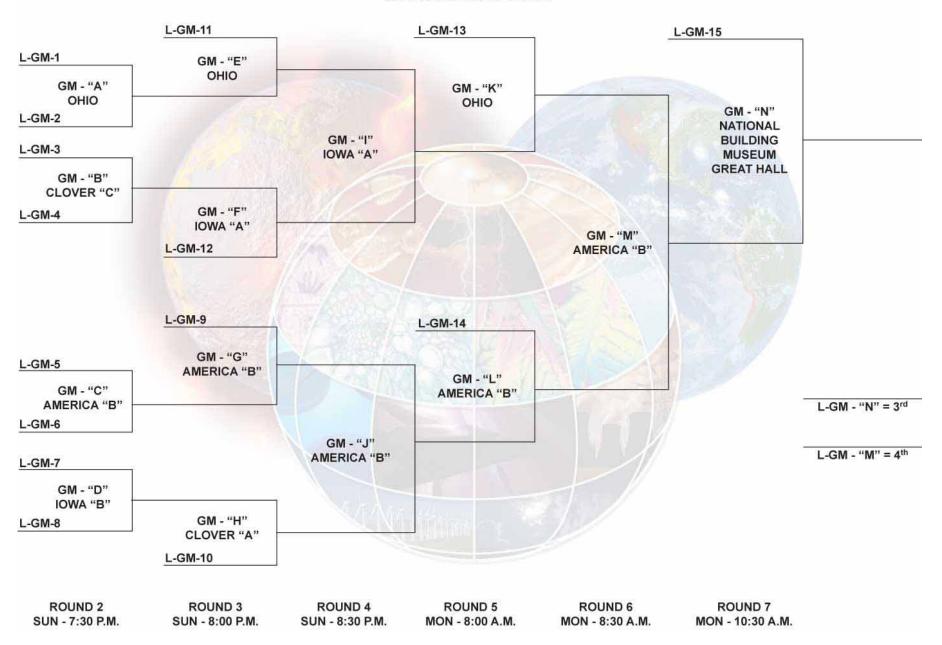
ROUND 1 SUN - 7:00 P.M.

ROUND 2 SUN - 7:30 P.M. ROUND 4 SUN - 8:30 P.M.

ROUND 6 MON - 8:30 A.M. ROUND 8 MON - 11:10 A.M. ROUND 9 MON - 11:50 A.M.

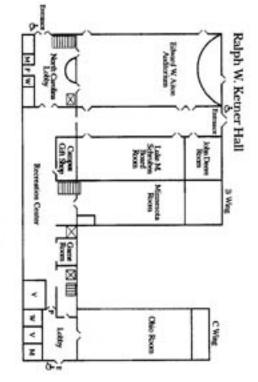
SIXTEEN (16) TEAM DOUBLE ELIMINATION

CHALLENGERS BRACKET

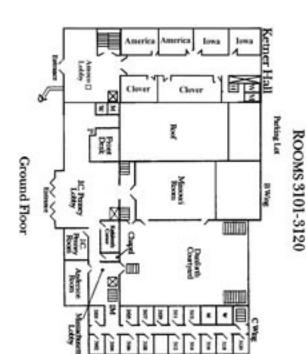


INTERIOR CAMPUS DESIGN 4-H CONFERENCE CENTER

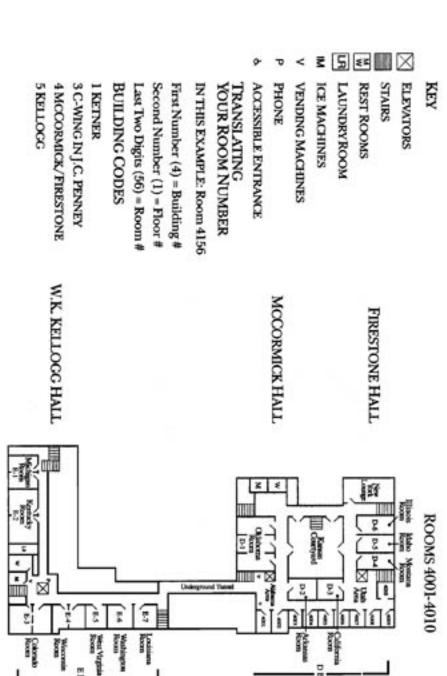
MEETING, DINING AND GUEST ROOMS



Lower Level



J.C. PENNEY HALL



Lower Level

