

Program

2008 GREATER CINCINNATI SCIENCE BOWL

EXPLORER 1

50TH ANNIVERSARY

What's In Your Orbit?

Sponsored by the U.S. Department of Energy Environmental Management Consolidated Business Center Cincinnati, Ohio

February 2, 2008



Welcome to the Seventeenth Annual Greater Cincinnati Regional Science Bowl!

Since 1992, high school students in the Greater Cincinnati area have tested their knowledge answering various science and math questions. The Greater Cincinnati Regional Science Bowl competition acknowledges the hard work and dedication of the best science and math students in the region, while promoting science education, and brings recognition to your school. I applaud your participation in this exciting and rewarding competition, and encourage each of you to continue pursuing your education in science, mathematics, engineering, and technical fields.

The Environmental Management Consolidated Business Center (EMCBC) serves as a central clearinghouse for a wide range of activities supporting the Department of Energy's (DOE) national environmental cleanup mission. As Director of the EMCBC, I am committed to the Department's national outreach programs, and cultivating those educational outreach programs within the Greater Cincinnati area. The Science Bowl exemplifies how students who are engaged, encouraged, and equipped with proper resources can succeed academically. The goal of the Science Bowl – is to invest in you, our next generation of scientists, engineers and educators, so America can remain at the forefront of innovation and successfully compete in the 21st century global marketplace.

We are pleased to partner again this year with Cincinnati State Technical Community College in hosting the 17th Annual Greater Cincinnati Regional Science Bowl. You and your team members are our future leaders and we are very excited about your achievements today.

Thank you for participating, good luck in the competition, and enjoy your day.

A handwritten signature in black ink, appearing to read "Jack R. Craig". The signature is fluid and cursive.

Jack R. Craig, Director

2008 Science Bowl Team Participants

Amelia

Joan Lewis
Katherine Hart
Michelle Andrews
Sam Ivers
Logan Coulson
Will Lewis

Badin

Jennifer Reader
Joshua Minton
Laura Boehm
Ryan Miller
Robby Hansen

Beavercreek

Team A
Kristine McDaniel
Deepak Chona
Michael Ausserer
Shiyuan Zhou
Ian Suzuki
Kelin Hu
Team B
Barbara Eagan
Michael Fu
Colleen Best
Christian Cone
Erin Best
Rakesh Guha

Bellefontaine High School

Sarah Stahler
Jamie Patrick
Justin Guenther
Sarah Rody
Rahul Prasad
Andrea Walker

Centerville

Penny Valentini
Jonathon Lin
Neel Patel
Lila Kerr
Amy Kramer
Jack Hoehn

Cincinnati

Country Day

Kevin Koller
Josh Brown
Howard Kim
Max Victor
Shrenuj Bansal
Kevin Breneman

Colerain High School

Elaine Dria
Abby Gillman
Emily Gardner
Amber Crowley-Gall
Alyssa Bushelman
Krisina
Bebdzokova

Graham High School

Chantelle Rose
Kenneth Moak
Mitchell Errett
Micael Hughes
Sarah Galluzzo
Sarah Fries

Greenon High School

Jared Shore
Kevin Dorney
Lindsey Hinton
Brian Durkee
Trevor Filer

Harrison

Steve Brickner
Regina Krahenbuhl
Kristin Frederick
Amy Crone
Ronnie Towe
Jimmy Minges

Lakota East High School

Craig Gleason
Andrew Breland
Lisa Liu
Emma Dorgan
Haley Davis
Tanisha Greene

Loveland

Jennifer Weill
Team A
Mick Eskender
Oli Ononye
Jen Bosse
Brie Elking
Team B
Jeff Kamperman
Isyoma Okafor
Vidhya Sabapathy
Ian Patter
Amanda LaCombe

Milford

James Craven
Brian Wernke
Naomi Fitter
Stephanie Foster
Brad Theilman
Lorie Koch

Oak Hills

Paul Gansle
Garrett Sprague
Bryan Schwing
Carly Schaeffer
Abby Segbers
Ashley Ng

Reading

Jay Thomas
Krystal Amburgey
Jen Craven
Sarah Gehring
Eddie Hubble

Ross High School

Meg Cottingham
Dan Dolan
Emma Yohey
Evan Jacobs
Justin Karr
Augusta Rawlins-Rader

St. Henry

Tony Kreinbrink
Andrew Kling
Chris Hamann
Sean Connolly
Brian Green
Lee Cahill

Sycamore

Cindy Parrott
Team A
Gabriel Ng
Nathaniel Eckman
Lizzy Wei
Ashvin Srivatsa
Samantha Seker

Team B

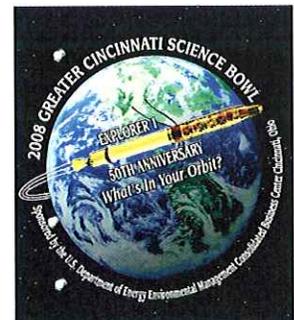
Benjamin Lee
Gracia Ng
Neil Krishnan
Paolo Gabriel
Eric Schwartz

Walnut Hills

Scott Grunder
Team A
Peter Komerak
Courtney Giannini
Lei Fan
Sam Stuard
Tony Tan
Team B
Simone De Jarnett
Rachel Horn
Joshua Aaron
Matthew Jaroszewicz
Scott Hornblower

Wyoming

Andrew Felczan
Kyle Glackin
Michael Backman
Ryan Spore
Chris Raptis
Dai Zhang



AGENDA

2008 17th Annual Greater Cincinnati Regional Science Bowl

8:00 - 8:30	.....	Registration - Room 341
8:30	.....	Welcome - Commons Area
9:00	.....	Round Robin- Round #1
9:35	.....	Round Robin- Round #2
10:10	.....	Round Robin- Round #3
10:45	.....	Round Robin- Round #4
11:15	.....	Round Robin- Round #5
11:45	.....	Round Robin- Round #6
12:15	.....	Round Robin- Round #7
12:45	.....	Tie Breaks - If Necessary
11:15 to 12:30		*Lunch - Commons Area
12:30- 12:45		Explorer I Bonus Questions and Drawing for Planet Earth- The Complete Series - Commons Area
1:00	.....	Double Elimination- Round #8
1:30	.....	Double Elimination- Round #9
2:00	.....	Double Elimination- Round #10
2:30	.....	Double Elimination- Round #11
3:00	.....	Double Elimination- Round #12
3:30	.....	Double Elimination- Round #13
4:00	.....	Double Elimination- Round #14
4:30	.....	Presentation of Awards





Eligibility

The Greater Cincinnati Regional Science Bowl competition is open to teams of high school students in the Greater Cincinnati regional area. High Schools throughout Ohio, Indiana and Kentucky are also encouraged to participate.

The competition will consist of oral question and answer rounds in which one four-person high school team will attempt to outscore another high school team. The winning team will proceed to the next level in the competition until only one team remains. Questions will be presented in toss-up - bonus format. Questions will be taken from the fields of:

- Astronomy
- Biology
- Chemistry
- Earth Science
- Physics
- Mathematics
- General/Applied Science

SPONSORED BY

Environmental Management Consolidated Business Center, DOE

2008 Greater Cincinnati Regional Science Bowl Prizes

The First Place Team, alternate, and coach will receive an all expense-paid trip (travel, hotel, accommodations and arranged activities) to compete in the National Science Bowl in Washington D.C., a Greater Cincinnati Regional Science Bowl Championship trophy to display at their school for a year, a 8 X 10 smoked and etched glass team plaque, and 5 X 7 smoked and etched glass plaques for each team member. Each team member and coach will also receive a gift certificate valued at \$30.00.

The Second Place Team, alternate, and coach will receive a team 7 X 10 etched jade glass plaque and 4 X 6 etched jade glass plaques for each team member. Each team member and coach will also receive a gift certificate valued at \$25.00.

The Third Place Team, alternate, and coach will each receive a team 6 X 8 etched jade glass plaque and 4 X 6 etched jade glass plaques for each team member. Each team member and coach will also receive a gift certificate valued at \$20.00.

The Fourth Place Team members, alternate and coach will each receive a gift certificate valued at \$15.00.

All participants will receive:

- Regional Science Bowl T-shirt
- Regional Science Bowl Nylon Bag
- Regional Certificate of Participation
- Regional Maze Puzzle
- National Science Bowl Posters, Calendars, Magnets, and Brochures

PAST NATIONAL SCIENCE BOWL GRAND PRIZES

The team that receives the DOE Civility Award will attend a one-week research trip.

Each team that reaches the double elimination phase of the competition will receive \$1,000 for their school's science department.

All top 5 team members and their coach will each receive a TI-89 calculator and a trophy.

The top three teams will win prizes including scientific research trip to France and U.S. Department of Energy laboratory sites.

* National Science Bowl Prizes and Awards vary year to year.

2008 Greater Cincinnati Regional Science Bowl

Uranium Division

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 vs. 2	A - 376	3 vs. 4	B - 374	5 vs. 6	C - 372
2 9:35 a.m.	NO	GAMES	NO	GAMES	NO	GAMES
3 10:10 a.m.	1 vs. 4	D - 370	3 vs. 5	E - 365	2 vs. 6	F - 367
4 10:45 a.m.	1 vs. 5	A - 376	2 vs. 4	B - 374	3 vs. 6	C - 372
5 11:15 a.m.	4 vs. 5	A - 376	2 vs. 3	B - 374	1 vs. 6	C - 372
6 11:45 a.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
7 12:15 p.m.	1 vs. 3	A - 376	2 vs. 5	B - 374	4 vs. 6	C - 372
12:45 p.m.	TIEBREAKS	IF	NECESSARY	TIEBREAKS	IF	NECESSARY

2008 Greater Cincinnati Regional Science Bowl

Uranium Division Score Sheet

TEAM	1	2	3	4	5	6	TOTAL POINTS
1 Beavercreek							
2							
3							
4							
5							
6							

2008 Greater Cincinnati Regional Science Bowl

Protactinium Division

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 vs. 2	D - 370	3 vs. 4	E - 365	5 vs. 6	F - 367
2 9:35 a.m.	1 vs. 3	A - 376	2 vs. 5	B - 374	4 vs. 6	C - 372
3 10:10 a.m.	NO	GAMES	NO	GAMES	NO	GAMES
4 10:45 a.m.	1 vs. 5	D - 370	2 vs. 4	E - 365	3 vs. 6	F - 367
5 11:15 a.m.	4 vs. 5	D - 370	2 vs. 3	E - 365	1 vs. 6	F 367
6 11:45 a.m.	1 vs. 4	A - 376	3 vs. 5	B - 374	2 vs. 6	C - 372
7 12:15 p.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12:45 p.m.	TIEBREAKS	IF	NECESSARY	TIEBREAKS	IF	NECESSARY

2008 Greater Cincinnati Regional Science Bowl

Protactinium Division Score Sheet

TEAM	1	2	3	4	5	6	TOTAL POINTS
1 Walnut Hills							
2							
3							
4							
5							
6							

2008 Greater Cincinnati Regional Science Bowl

Thorium Division

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	NO	GAMES	NO	GAMES	NO	GAMES
2 9:35 a.m.	1 VS 3	D - 370	2 VS 5	E - 365	4 VS 6	F - 367
3 10:10 a.m.	1 VS 4	A - 376	3 VS 5	B - 374	2 VS 6	C - 372
4 10:45 a.m.	1 VS 5	G - 366	2 VS 4	H - 364	3 VS 6	I - 362
5 11:15 a.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
6 11:45 a.m.	1 VS 2	D - 370	3 VS 4	E - 365	5 VS 6	F - 367
7 12:15 p.m.	4 VS 5	D - 370	2 VS 3	E - 365	1 VS 6	F - 367
12:45 p.m.	TIEBREAKS	IF	NECESSARY	TIEBREAKS	IF	NECESSARY

2008 Greater Cincinnati Regional Science Bowl

Thorium Division Score Sheet

TEAM	1	2	3	4	5	6	TOTAL POINTS
1 Sycamore							
2							
3							
4							
5							
6							

2008 Greater Cincinnati Regional Science Bowl

Radium Division

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 vs. 2	G - 366	3 vs. 4	H - 364	5 vs. 6	I - 362
2 9:35 a.m.	1 vs. 3	H - 364	2 vs. 5	G - 366	4 vs. 6	I - 362
3 10:10 a.m.	1 vs. 4	G - 366	3 vs. 5	H - 364	2 vs. 6	I - 362
4 10:45 a.m.	NO	GAMES	NO	GAMES	NO	GAMES
5 11:15 a.m.	4 vs. 5	G - 366	2 vs. 3	H - 364	1 vs. 6	I - 362
6 11:45 a.m.	1 vs. 5	I - 362	2 vs. 4	H - 364	3 vs. 6	G - 366
7 12:15 p.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12:45 p.m.	TIEBREAKS	IF	NECESSARY	TIEBREAKS	IF	NECESSARY

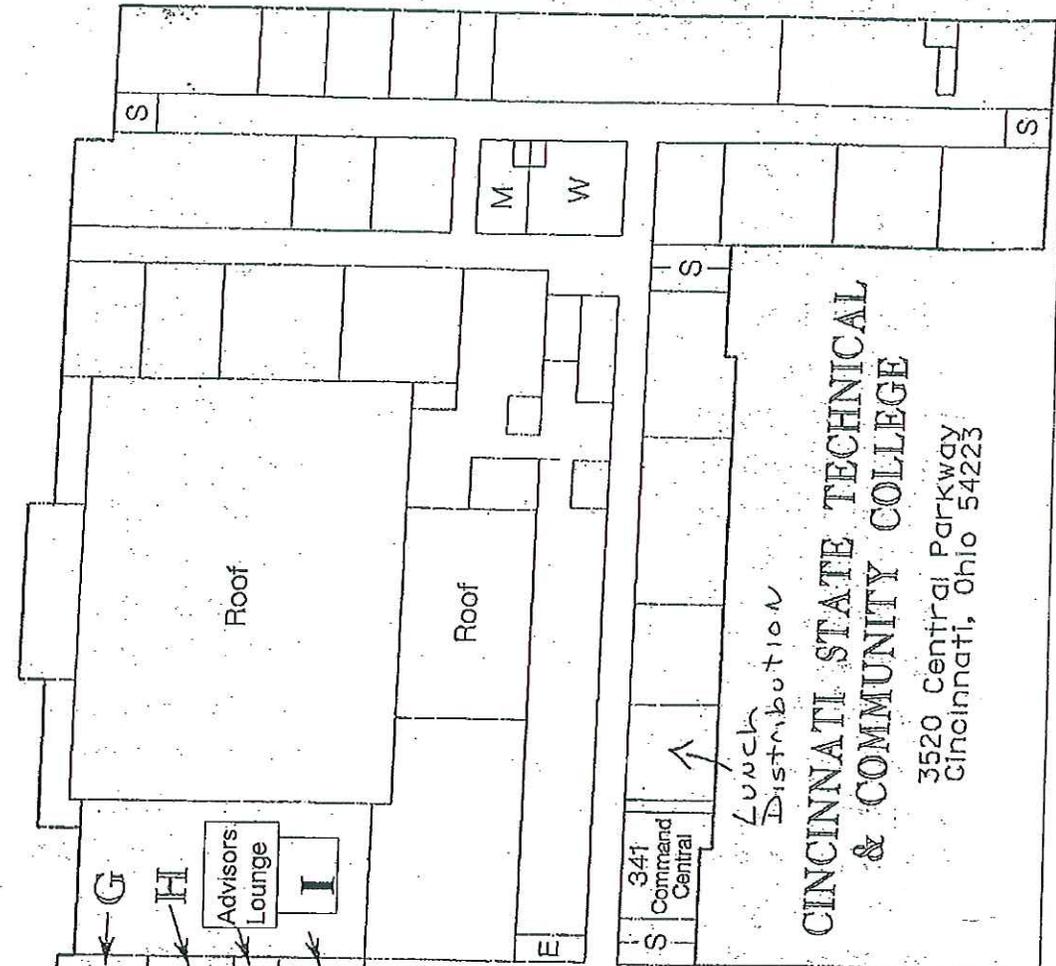
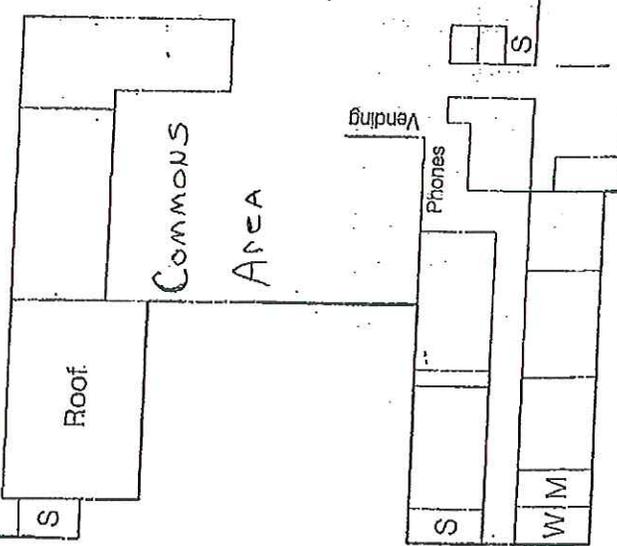
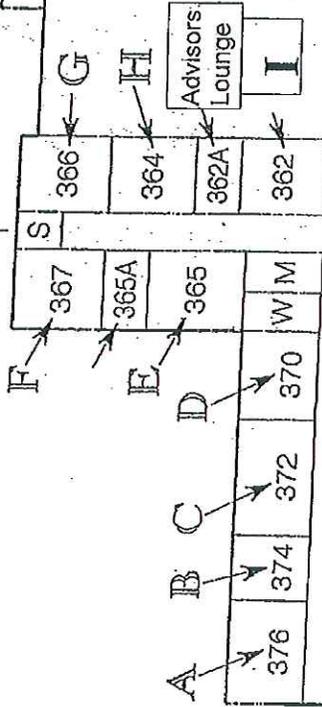
2008 Greater Cincinnati Regional Science Bowl

Radium Division Score Sheet

TEAM	1	2	3	4	5	6	TOTAL POINTS
1 Centerville							
2							
3							
4							
5							
6							

THIRD FLOOR LAYOUT

To 5/3 Auditorium in Health Professions Building

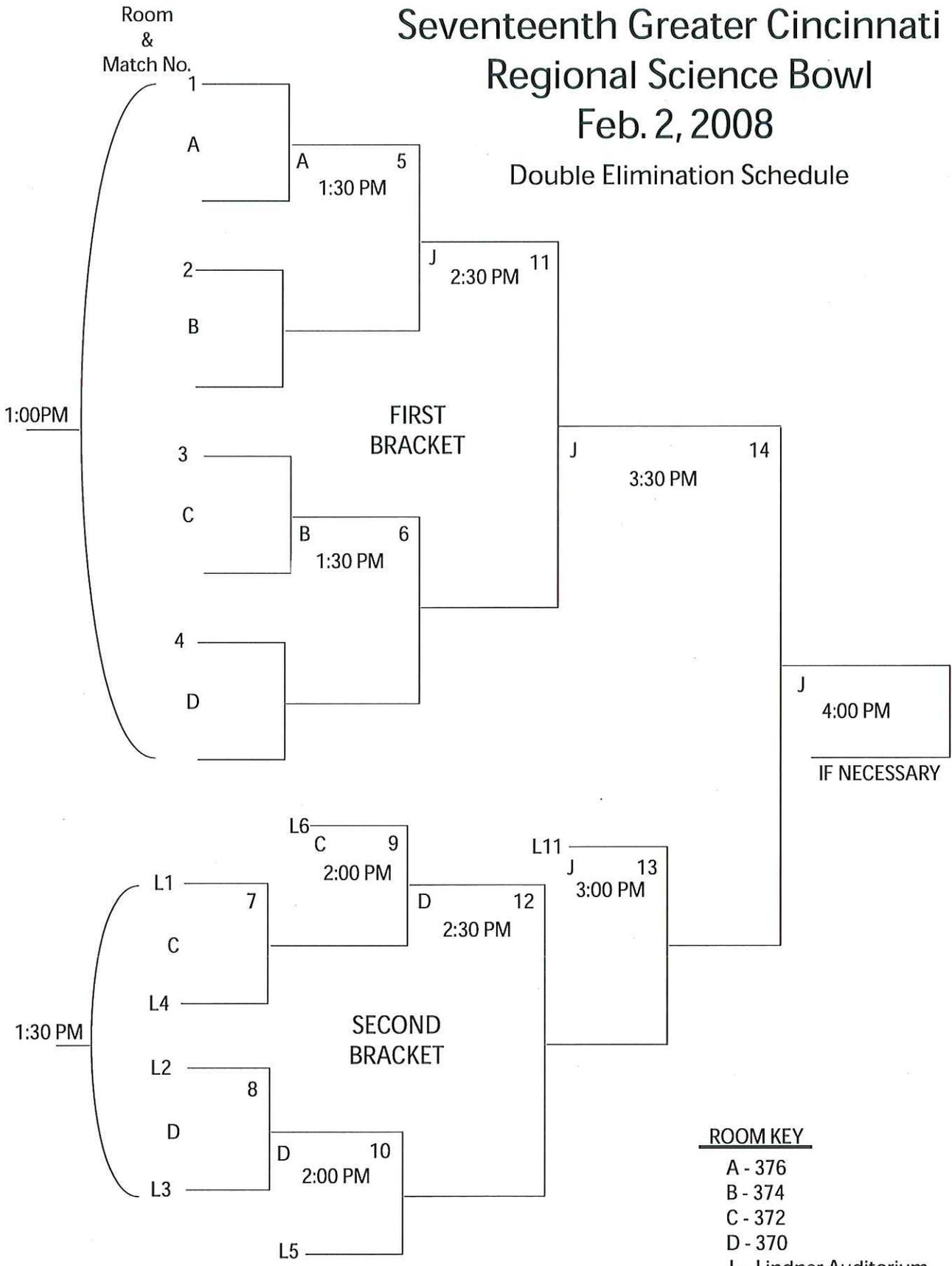


CINCINNATI STATE TECHNICAL & COMMUNITY COLLEGE
3520 Central Parkway
Cincinnati, Ohio 54223

Seventeenth Greater Cincinnati Regional Science Bowl

Feb. 2, 2008

Double Elimination Schedule



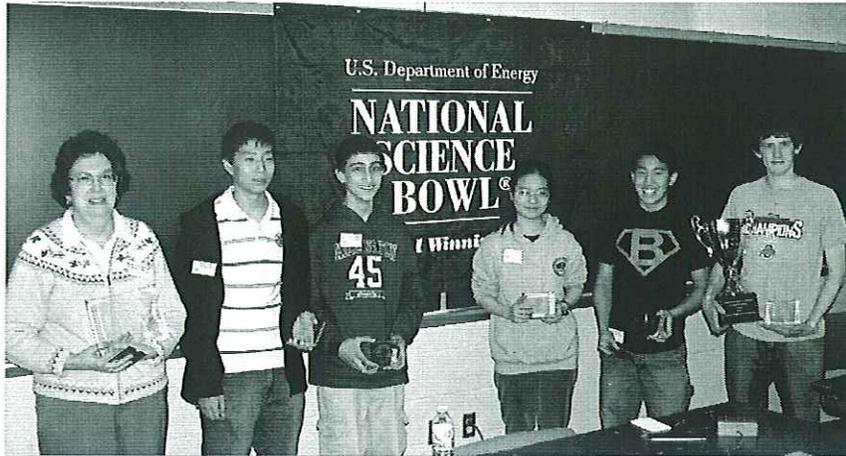
ROOM KEY

- A - 376
- B - 374
- C - 372
- D - 370
- J - Lindner Auditorium

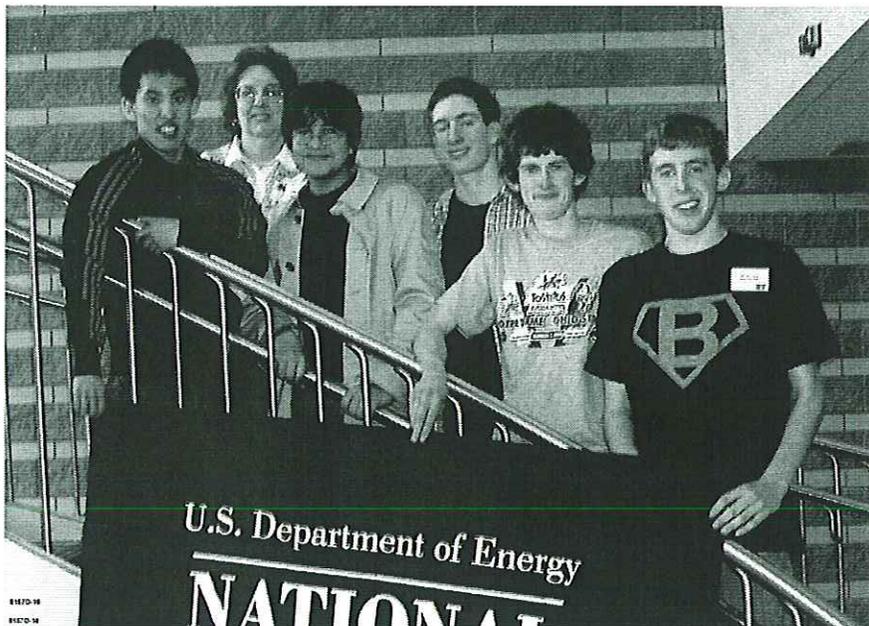
Science Bowl 2008 Volunteers

Rich Abitz
Harris Abramson
Karen Bahan
Trish Brechlin
Greg Campbell
Robin Campbell
Christina Campbell
Mary Kay Chuey
Angela Cooney
Wilmari Delgado
Madan Dev
Brian Devir
Doug Draper
Bartley Fain
Derek Farris
Michelle Farris
Hannah Fournier
Donna Gudaitis
Joe Guido
Allan Harris
Denise Herald
Dave Hess
Adam Hess
Ralph Holland
Renee Holland
TJ Jackson
Jay Jalovec
Kim Johnson
Dave Lojek

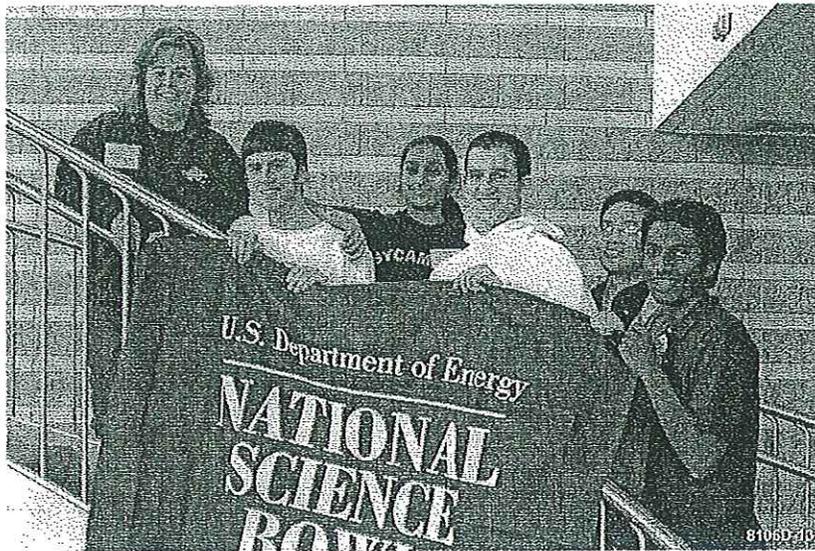
Tamara Ludwig
Tim Marcus
Susan Marsh
Margaret Marks
JoAnne Merritt
Thomas Meyer
John Muskoff
Regina Neal
Phylicia Neal
Barry Page
Dawn Platt
Andrew Peplow
Kathy Reid
Carolyn Roehrig
John Sellards
Gayle Shockey
Michael Sedgebeer
Ed Skintik
Helene Taylor
William Taylor
Emma Thompson
Linda Underwood
Pat Vent
Betsy Volk
Sue Walpole
Anne Wickham
Chuck Wiedenheft
Trisha Zamarron
Justus Zamarron



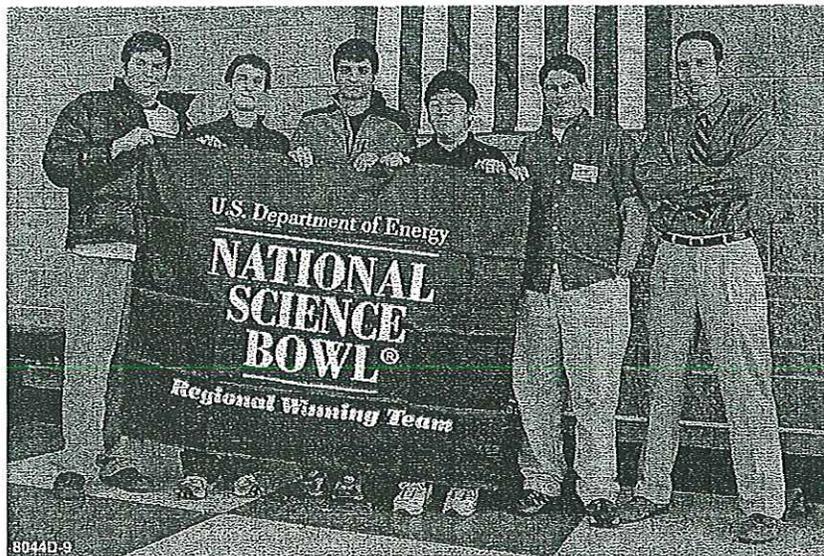
**2007 Regional Champions
Beavercreek High School**



**2006 Regional Champions
Beavercreek High School**



2005 Regional Champions Sycamore High School



2004 Regional Champions Cincinnati Country Day

Notes:

Greater Cincinnati Regional Science Bowl Champions

1993	Milford
1994	Turpin
1995	Dixie Heights
1996	Milford
1997	Turpin
1998	Sycamore
1999	Sycamore
2000	Sycamore
2001	Sycamore
2002	Sycamore
2003	Cincinnati Country Day
2004	Cincinnati Country Day
2005	Sycamore
2006	Beavercreek
2007	Beavercreek