



American Association of Physics Teachers PHYSICSBOWL 2007

2007 PhysicsBowl Results

Dear Physics Teacher,

Thank you for having your students participate in this year's AAPT PhysicsBowl high school physics contest. This year there were over 5700 students participating from over 270 schools all across the country and Canada.

Enclosed are lists of the top two schools in each division and top two students in each division by region. Several placings were determined by tie-breakers. For students, the answers were compared from the end of the test forward until the tie was resolved. For schools, the tie was broken by comparing the highest scoring students for each team.

Unfortunately, several students had to be disqualified because they had not properly filled out their entire answer sheets. The individual scores of students who improperly filled out the forms were not included in the team scores.

A copy of this year's test along with solutions, as well as individual and team winners can be found at the following web site:

<http://phys.udallas.edu/AAPT>

Thank you for participating in this year's PhysicsBowl competition!

Best wishes,

Richard P. Olenick

Richard P. Olenick
AAPT Examinations Director
Department of Physics
University of Dallas
1845 E. Northgate Dr.
Irving, TX 75062
olenick@udallas.edu

The enclosed sheets give the school's team score and the following information obtained from each student's answer form:

Student Name	School ID Number	Division	Region	Score
All of the above information was read directly from each student's answer sheet. Errors are the results of improperly filled out forms. For any missing students, please contact Dr. Courtney Willis, Courtney.Willis@unco.edu .				

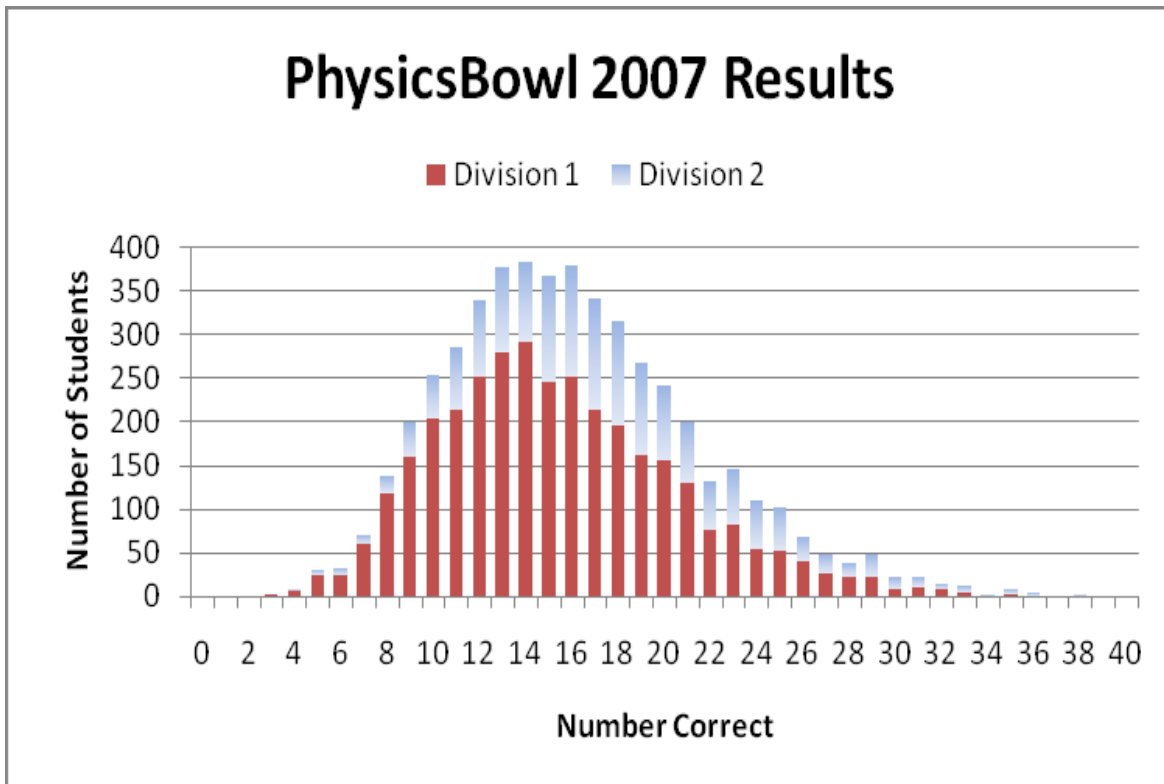


American Association of Physics Teachers PHYSICSBOWL 2007

Statistics

Average Score for Division I = 15.0 with a standard deviation of 5.6

Average Score for Division II = 17.0 with a standard deviation of 6.6





American Association of Physics Teachers PHYSICSBOWL 2007

Top Division I Student

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
14	38	YANG ZHOU M	Arcadia HS	Arcadia	CA

Highest Scoring Division I Students in each Region

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	33	MASER DANIEL L	Arlington HS	Arlington	MA
03	35	WANG JIXUAN	Don Mills Collegiate	Toronto	ON
04	32	TINTEA STEFAN P	Millburn HS	Millburn	NJ
05	31t	INGBER MICHAEL B	Beth Tfiloh Dahan HS	Baltimore	MD
06	33	MORALES ISRAEL	Miami Coral Park Sr	Miami	FL
07	30t	LAI ALEC C	Hawken School	Gates Mills	OH
08	29	LI JIMM J	Northville HS	Northville	MI
09	35	PETRAROLI ALEX	Libertyville HS	Libertyville	IL
10	23	BRIOL MATT J	Stillwater Area HS	Stillwater	MN
11	34	VONLAVEN KURT A	Randolph School	Huntsville	AL
12	35	BAUMER MICHAEL A	St. Louis Univ HS	St. Louis	MO
13	28	LEE MATTHEW C	William P Clements	Sugar Land	TX
14	38	YANG ZHOU M	Arcadia HS	Arcadia	CA
15	30	LI CHAO	Sir Winston Churchill	Vancouver	BC
20	30	XU ZHAOYANG	Oklahoma Sci/Math	Oklahoma City	OK

Second Highest Scoring Division I Students in each Region

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	32	BHATTACHARYA R	Arlington HS	Arlington	MA
03	33	LI EVAN Y	Ward Melville HS	East Setauket	NY
04	31	ISRAEL JOSHUA M	Millburn HS	Millburn	NJ
05	31t	PAN QINXUAN	Thomas S Wooten	Rockville	MD
06	31	ANGELL MICHAEL G	North Gwinnett HS	Suwanee	GA
07	30t	ZHANG MYRON	Hawken School	Gates Mills	OH
08	23t	STAMER DANIEL J	Carmel HS	Carmel	IN
09	32	SCHMALING JOHN A	Libertyville HS	Libertyville	IL
10	22t	HANSELL FELICIA T	Northfield HS	Northfield	MN
11	31	ZHANG WENDONG	Jackson Preparatory	Jackson	MS
12	33	KRAUTMANN KURT	Helias HS	Jefferson City	MO
13	27t	CRONHOL TRENTON	St. Mark's School	Dallas	TX
14	32	MAGYAR ALBERT F	University HS Irvine	Irvine	CA
15	29	HSU ERIC	Morrison Christian Acad.	Taichung	TAI
20	29t	GRIMMETT ZACH	Oklahoma Sci/Math	Oklahoma City	OK



American Association of Physics Teachers PHYSICSBOWL 2007

Top Division II Student

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
10	38	STREICH PHILIP V	Home School	Platteville	WI

Highest Scoring Division II Students in each Region

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	33	PONSUKCHAROEN UMNO	Worcester Academy	Worcester	MA
03	36	FEI LIN	Don Mills Collegiate	Toronto	ON
04	35	ZHAN BOHUA	W Windsor Plainsboro S	Princeton Junct	NJ
05	32	WEERAKKODY SEAN C	Thomas S Wooten	Rockville	MD
06	36	LARUE JASON R	Miami Palmetto HS	Miami	FL
07	35	CONNORS JAKE A	Beavercreek HS	Beavercreek	OH
08	33t	LIU SIYUAN	Troy HS	Troy	MI
09	31	GAEBLER LEIF M	Cedar Rapids Home Sch	Cedar Rapids	IA
10	38	STREICH PHILIP V	Home School	Platteville	WI
11	36	BECK SAMUEL W	Jackson Preparatory	Jackson	MS
12	35	HUANG YIPENG	Clayton HS	Clayton	MO
13	35	HU KENNETH	William P Clements HS	Sugar Land	TX
14	36	TUNG HENRY P	Torrey Pines	Santee	CA
15	34	LIU YU XIANG	Western Canada HS	Calgary	AB
20	37	ZHU DANNY	Stuyvesant HS	New York	NY

Second Highest Scoring Division II Students in each Region

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	31	WU SHENGKAI	The Hotchkiss School	Lakeville	CT
03	35	ZHAO CHENXING	Don Mills Collegiate	Toronto	ON
04	33t	CAI WARREN	W Windsor Plainsboro S	Princeton Junct	NJ
05	28t	CHEN CHUANJUNG	Thomas S Wooten	Rockville	MD
06	33	WOOD CHRISTOPHER D	Stanton College Prep	Jacksonville	FL
07	32	DIAB KENAN S	Hawken School	Gates Mills	OH
08	33t	TANG ALBERT T	Northville HS	Northville	MI
09	30t	XIA PATRICK J	New Trier HS	Winnetka	IL
10	31	BEYER DAVID M	Century HS	Rochester	MN
11	27	MORAES EDUARDO P	Homewood HS	Homewood	AL
12	33	AN JIM	Clayton HS	Clayton	MO
13	30	FLOM ZEKE D	McClintock HS	Tempe	AZ
14	35	CHEN ERIK L	Mira Loma HS	Sacramento	CA
15	32t	ZHANG LINDA	Western Canada HS	Calgary	AB
20	36	WEI HAOFEI	Oklahoma Sci/Math	Oklahoma City	OK



American Association of Physics Teachers PHYSICSBOWL 2007

First and Second Place Schools Division I

Highest School Score in Division I

<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
127	Libertyville HS	Libertyville	IL

Highest Scoring Division I Schools in each Region

<u>Region</u>	<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	118	Arlington HS	Arlington	MA
03	119	Ward Melville	East Setauket	NY
04	121	Milburn HS	Milburn	NJ
05	107	Thomas S Wooten HS	Rockville	MD
06	106	Walton HS	Marietta	GA
07	113	Hawken School	Gates Mills	OH
08	82	Carmel HS	Carmel	IN
09	127	Libertyville HS	Libertyville	IL
10	85	Stillwater Area HS	Stillwater	MN
11	111	Oak Ridge HS	Oak Ridge	TN
		Montgomery Bell	Nashville	TN
12	126	St. Louis University HS	St. Louis	MO
13	104	William P. Clements HS	Sugar Land	TX
14	119	University HS Irvine	Irvine	CA
15	108	Sir Winston Churchill Academy	Vancouver	BC
20	109	Oklahoma School of Sci/Math	Oklahoma City	OK

Second Highest Scoring Division I Schools in each Region

<u>Region</u>	<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	102	Guilford HS	Guilford	CT
03	117	Don Mills Collegiate	Toronto	ON
04	104	George Washington HS	Philadelphia	PA
05	106	Beth Tfiloh Dahan HS	Baltimore	MD
06	94	Miami Coral Park Sr HS	Miami	FL
07	87	Lakota East HS	Middletown	OH
08	81	Luddington HS	Luddington	MI
09	111	Vernon Hills HS	Vernon Hills	IL
10	81	Northfield HS	Northfield	MN
11	108	Randolph School	Huntsville	AL
12	114	Helias HS	Jefferson City	MO
13	102	St. Mark's School of Texas	Dallas	TX
14	116	Arcadia HS	Arcadia	CA
15	103	Morrison Christian Academy	Taichung	TAI
20	106	Manalapan HS	Englishtown	NJ



American Association of Physics Teachers PHYSICSBOWL 2007

First and Second Place Schools Division II

Highest School Score in Division II

<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
135	Don Mills Collegiate	Toronto	ON

Highest Scoring Division II Schools in each Region

<u>Region</u>	<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	116	Andover HS	Andover	MA
03	135	Don Mills Collegiate	Toronto	ON
04	126	West Windsor-Plainsboro South	Princeton Junct	NJ
05	114	Thomas S Wooten HS	Rockville	MD
06	117	Stanton College Prep School	Jacksonville	FL
07	118	Beavercreek HS	Beavercreek	OH
08	113	Carmel HS	Carmel	IN
09	116	Libertyville HS	Libertyville	IL
10	109	Stillwater Area HS	Stillwater	MN
11	94	Jackson Preparatory School	Jackson	MS
12	119	Clayton HS	Clayton	MO
13	113	William P Clements HS	Sugar Land	TX
14	118	Mission San Jose HS	Fremont	CA
15	123	Western Canada HS	Calgary	AB
20	122	Oklahoma School of Sci/Math	Oklahoma City	OK

Second Highest Scoring Division II Schools in each Region

<u>Region</u>	<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	95	Concord Academy	Concord	MA
03	114	Ward Melville HS	East Setauket	NY
04	100	Milburn HS	Milburn	NJ
05	104	Sidwell Friends Schools	Washington	DC
06	108	Miami Palmetto HS	Miami	FL
07	111	Hawken School	Gates Mills	OH
08	104	Troy HS	Troy	MI
09	108	New Trier HS	Winnetka	IL
10	107	Edina Senior HS	Edina	MN
11	92	Oak Ridge HS	Oak Ridge	TN
12	82	Millard South HS	Omaha	NE
13	96	St. Mary's Hall School	San Antonio	TX
14	113	Mira Loma HS	Sacramento	CA
15	119	Sir Winston Churchill	Vancouver	BC
20	119	Stuyvesant HS	New York	NY

t = ties determine by tiebreaker