

The Okaloosa County School District

presents

The Thirty-Third Annual
Robert Sheffield
East Panhandle Regional
Science & Engineering Fair



Awards Ceremony

February 18, 2010

Niceville, Florida

*Please turn all cell phones to "off" or "vibrate" for the ceremony.
Photo opportunities will be available after the program.*

Program

Presentation of the Colors.....	Niceville HS ROTC
Pledge of Allegiance.....	Howard Hill, Okaloosa School Board member
Introduction.....	Shawnea Tallman, RSEF Director
Welcome.....	Dr. Alexis Tibbetts, OCSD Superintendent
Category Awards.....	Trish Willis, Joyce Gruber
Special Awards.....	Jodi Maker, Cyndi Stone
State Finalists.....	Shawnea Tallman
Grand Awards.....	Dr. Alexis Tibbetts
Closing.....	Shawnea Tallman

Category Judges

John Allen	Christopher Cox	Heidi Kjos	Cindy Pettit	Josh Tatum
Bradley Balling	Kevin Dean	Minty Knighton	Scott Pierce	Brittney Theis
Janine Bennett	Dr. Richard DeLorenzo	Dr. David Lambert	William Pizzolato	Taylor Tidwell
Dr. Bonnie Benshoof	Angela Diggs	Michael LaMonica	Curtis Peterson	Brian Tong
Karen Berkley	Kevin Diggs	Robert Lamott	Ryan Phillips	Andrew Tompkins
Donald Bohler	Kevin Diggs	Dr. David Lee	David Predis	Victor Torres
Ellis Boudreaux	Darlene Douglass	Louis Lindsey III	Juan Ramirez	Jose Torresvelez
David Bowers	Sheila Dunning	Chris Long	Rachel Ramirez	Todd Tuckey
Bridget Brown	Penny Eubanks	Raul Lopez Jr.	Annette Register	Catina Turgeon
Jarrod Brown	Diane Fraser	Eric Lum	Adam Rigg	Dr. Gretchen Tyler
Dave Bullock	David French	Joy Damen Makela	Daniel Robeen	Sonya Vazquez
Andrew Burns	Mark Gabbard	Phillip Martin	Kristy Robinson	Cody Villa
Linda Busch	James Gwyn	Graham Mavity	Neal Rogers Jr.	Damien Waden
Terry Byrd	Richard Hardin	Evan Meeks	Doug Russell	Darrell Wagner
William Cary	Ed Harris	Travis Miller	Brooke Saari	Brian Walton
Brian Cassidy	Don Harrison	Walter Monteith	David Salinas	Michael Webb
Jeremy Castro	Jordan Harrison	Dr. Venita Morell	David Sears	Joseph Weiderhold
Frank Clark	Mary Lesa Harrison	Michelle Muessig	John Sekas	Eric Welle
Tim Cleaver	Jaime Harvey	Matt Mumm	Steven Silvester	Sherri Wellman
Matthew Coleman	Amy Hermundstad	Robert Murphey	Jennett Sharratt	Benjamin White
Thomas Cooper	Dr. Perian Herring	Brian Nagle	Cary Shephard	Joe Whiteaker
Dr. William Cooper	Heath Honaker	Jennifer Napier	Jared Steeman	Kevin Wiley
Dean Couch	Bejaze Hoxha	Marvon Newby Jr.	Joshua Smith	Maria Wilson
Dave Cramblet	Ed Hughes	Joseph Nguyen	Jessica Stainaker	Roxanne Worden
Darrell Crowe	George Jones	Tina Nguyen	William Storms	James Yurack
Ty Coulter	Michael Kambic	Terren Niedraurer	Dr. Michael Tallman	Hassan Zaff
	Eric Kitchen			Adam Zimmer

Awards Sponsors

Eglin Chapter of the Association of Old Crows

Eglin Chapter of the Air Force Association

Emerald Coast Chapter of the International Test & Evaluation Association

Air Force Association (AFA), Hurlburt Chapter 398

Air Force Research Laboratory Munitions Directorate (AFRL/RW)

Armed Forces Communications and Electronics Association (AFCEA),

Emerald Coast Chapter

Embry-Riddle Aeronautical University-Worldwide, Fort Walton Beach area campuses

Emerald Coast Chapter, Florida Engineering Society

Garnier's Beach Garden Club

Jacobs TEAS Team

InDyne, Inc.

Innovative Research in the Field of Chemistry (Aubrey Craig)

Miracle Strip Veterinary Medical Association

National Defense Industrial Association (NDIA)

New Investigator's Award (Anonymous)

Northwest Florida State College

Nutrition and Living Well

Okaloosa County Master Gardener Association

Okaloosa County Teachers of Math

Okaloosa County Medical Society

Okaloosa County Recycling Office

Playground Amateur Radio Club

Society of American Military Engineers (SAME) Emerald Coast Post

Gulf Power Engineering Society – Tesla Award

Special Awards National Contributors

American Meteorological Society

American Psychological Association (APA)

ASM Materials Education Foundation

Association of Women Geoscientist

Intel Excellence in Computer Science

Mu Alpha Theta

National Association of Corrosion Engineers

National Society of Professional Engineers

Ricoh

Stockholm Junior Water prize

US Metric Association

U. S. Air Force

U. S. Army

U. S. Navy

Yale Science and Engineering Association, Inc.

JUNIOR DIVISION

Animal Sciences

Arvin, Samantha, Baker
Bufkin, Kristen, Davidson
Casey, Karly, Saint Mary
Clothier, Austin, Shoal River
Escoffier, Nicole, Ruckel
Gehnar, Emily, Davidson
Gottschalk, Kemi, Ruckel
Gunn, Ashley, Pryor
Pan, Rachel, Shoal River
Turner, Alison, Rocky Bayou CS

Behavioral & Social Sciences

Bridier, Savana, Walton MS
Duke, Margaret, Pryor
Makela, Megan, Destin MS
McLendon, Mercedes, Walton MS
Parsons, Rachel, Shoal River
Rossel, Olivia, Davidson
Tommasone, Jonathon, Saint Mary

Biochemistry

Gillette, Katie, Meigs
Kannapel, Melissa, Davidson
Nguyen, Sabrina, Saint Mary
Woelfel, Kristin, Davidson

Chemistry

Ashley, Anna, Pryor
Bush, Christian, Shoal River
Henderson, Harley, Freeport MS
Humphrey, Rachael, Davidson
Hutchison, Corine, Pryor
Hydle, Laura, Walton MS
Kitchen, Molly, Davidson
Munz, Karlyle, Pryor
Senterfitt, Eugenia, Baker
Simler, Carli, Emerald Coast MS
Wolfe, Sarah, Shoal River

Computer Science

Cyrus, Joshua, Davidson
Neiger, Joseph, Saint Mary
Ponder, Claire, Ruckel
Tawfic, Tiffany, Saint Mary

Earth & Planetary Science

Aviles, Anthonio, Pryor
Adams, William, Saint Mary
Allen, Samuel, Shoal River
Bouley, Emma, Shoal River
Spires, Avery, Walton MS

Engineering: Electrical & Mechanical

Barys, Peter, Saint Mary
Brannon, Cheyenne, Baker
Bufkin, Jared, Davidson
Colby, Joel, Davidson
Graziano, Anthony, Saint Mary
Reiter, David, Saint Mary

Environmental Management

Barkley, Matthew, Saint Mary
Barys, Shane, Saint Mary
Dawson, Nick, Ruckel
Leach, Celby, Walton MS
Winter, Andrew, Emerald Coast MS

Engineering: Materials & Bioengineering

Atchley, Kayla, Walton MS
Briggs, Cole, Baker
Cockrum, Mary Claire, Saint Mary
Harvis, Keenan, Meigs
Hencinski, Alex, Lewis
Hopper, Crystian, Ruckel
Majors, Matthew, Walton MS

Energy & Transportation

Alford, Hayden, Paxton MS
Davis, Kristen, Pryor
Edwards, Ryan, Shoal River
Gatewood, Jonathan, Baker
Hart, Hannah, Emerald Coast MS
Heintzelman, Dana, Pryor
Lynch, Conner, Rocky Bayou CS
McInnis, Bradley, Pryor
Miles, Brayton, Ruckel
Nowers, Hannah, Ruckel
Parquet, Jared, Shoal River
Shaw, Patrick, Ruckel
Smith, Andrew, Pryor
Stewart, Jr, Dennis, Davidson
Torres, Lilli, Liza Jackson PS
Tovrea, Honour, Liza Jackson PS
Vaughn, Natalie, Saint Mary

Environmental Sciences

Allredge, Abigail, Rocky Bayou CS
Bartosik, Kristen, Shoal River
Bodie, Morgan, Paxton MS
Chesser, Leanna, Walton MS
Clark, Lydia, Pryor
Craig, Sarah, Davidson
Curtis, Haley, Davidson
Gasbarro, James, Pryor
Hopkins, Nick, Meigs
Kellum, Cailin, Rocky Bayou CS
Lux, Foster, Davidson
McDonald, C.J., Pryor
Morris, Rebecca, Davidson
Richard, Brook, Pryor
Shaw, Nathan, Davidson
Strom, Emma, Liza Jackson PS

Mathematical Sciences

Ammons, Allison, Shoal River
Glenn, Emily, Saint Mary
Kelsey, Julia, Davidson
Mullen, Bray, Shoal River

Medicine & Health Sciences

Barefield, Savannah, Davidson
Dunn, Jared, Saint Mary
Grabowski, Ashley, Davidson
Hopkins, Alexis, Meigs
Hsiang, Monica, Ruckel
Parker, Emily, Davidson
Parker, Matthew, Saint Mary
Smith, Aaron, Shoal River
Welborne, Dakota, Saint Mary
Williams, Joshua, Shoal River

Microbiology

Henderson, S. Austin, Davidson
Herndon, Autumn, Baker
Hsiang, Maddie, Ruckel
Linares, Jeffrey, Shoal River

Lindner, Adrian, Meigs
Murphey, Erin, Ruckel
Palpallatoc, Lauren, Saint Mary
Schenck, Christie, Meigs

Physics & Astronomy

Campbell, Alex, Walton MS
Collier, Leslie, Pryor
Ensor, Joe, Davidson
Glattke, Taylor, Saint Mary
Horner, Dakota, Pryor
Ireton, Garron, Ruckel
Kaira, Benson, Liza Jackson PS
Lloyd, Sierra, Shoal River
Peters, Gillian, Davidson
Robertson, Arden, Destin MS
Steele, Sara, Pryor
Wise, Alyssa, Saint Mary
Young, Heather, Meigs

Plant Sciences

Beck, Caleb, Emerald Coast MS
Bills, Anna, Baker
Cauley, Brendan, Saint Mary
DePauw, Steven, Walton Middle
Dixon, Emillee, Shoal River
Godair, Aaron, Davidson
Long, Devonaire, Emerald Coast MS
McMorrow, Robert, Saint Mary
Morales, Diego, Walton MS
Morris, Maiya, Liza Jackson PS
Munz, Siena, Pryor
Muscella, Bryanna, Walton MS
Ringel, Morgan, Ruckel
Roscovius, Victoria, Rocky Bayou CS
Sanguyo, Stefan, Baker
Tipton, Mackenzie, Pryor
Treaster, Micheal, Shoal River

Junior Teams

Casey, Gatlin, Saint Mary
Chapman, Jessica, Emerald Coast MS
Chatam, Devin, Shoal River
Cryar, Brianna, Emerald Coast MS
Emery, Alex, Ruckel
Englebright, Quinton, Davidson
Gaylord, Ryan, Saint Mary
Hatcher, Michael, Emerald Coast MS
Kopald, Alison, Emerald Coast MS
Kriese, Deanna, Emerald Coast MS
Missroon, Mitchell, Emerald Coast MS
Moffo, Anthony, Saint Mary
Moore, William, Shoal River
Nesbit, Andrew, Emerald Coast MS
Palmer, Casey, Emerald Coast MS
Pike, Ryan, Saint Mary
Printy, Joe, Davidson
Shields, Zach, Ruckel
Teddars, Harley, Emerald Coast MS
Thorgaard, Aimee, Emerald Coast MS
Warriner, Isaac, Emerald Coast MS
Zaleski, James, Emerald Coast MS

SENIOR DIVISION

Animal Sciences

Dixon, Xaris, Paxton HS
 Fujan, Paula, Choctaw
 Hammonds, Sabrina, Paxton HS
 Myers, Colton, South Walton HS

Behavioral & Social Sciences

Bauer, Joseph, Walton HS
 Cheney, Jeremy, Crestview
 Fralish, Bethany, Niceville
 Gallagher, Meghan, Niceville
 Huntley, Stephen, Niceville
 Knight, Kevin, Collegiate HS @ NWFSC
 Kratzke, Paige, Niceville
 Kroeger, Jackie, Fort Walton Beach
 Nidy, Katy, Walton HS
 Pearce, Georgia, Niceville
 Rossel, James, Crestview
 Sheekley, Taylor, Niceville
 Willcox, Kaydee, Walton HS

Biochemistry

Haeusler, Camille, Fort Walton Beach
 Maney, Jessica, Rocky Bayou CS
 McKnight, Kelty, Niceville

Chemistry

Craig, Aubrey, Collegiate HS @ NWFSC
 Jones, Morgan, Baker
 Kortbein, Ronette, Niceville
 McClellan, Alyssa, Paxton HS

Earth & Planetary Science

Patrick, Michael, Niceville

Engineering: Electrical & Mechanical

Garland, Justin, Crestview
 Harvis, Mikinzi, Choctaw

Environmental Management

Corkum, Braden, Niceville
 Oldaker, Alex, Choctaw
 Reed, McKenna, Niceville
 Smith, Phillip, Niceville

Engineering: Materials & Bioengineering

Haeusler, Cody, Fort Walton Beach
 Kimble-Free, Brittany, Crestview
 Ledo-Massey, Rafae, South Walton HS
 Pridgen, Stephanie, Fort Walton Beach
 Taylor, Patrick, Fort Walton Beach

Energy & Transportation

Basco, Joseph, Niceville
 Mann, Joshua, Baker
 Sekas, Brandi, Niceville
 Wallace, Patrick, Niceville

Environmental Sciences

Bethea, Anna, Fort Walton Beach
 Byrd, Kaitlyn, Niceville
 Chesser, Samuel C. , Niceville
 Evans, Casey, Choctaw
 Kaltz, Callie, Fort Walton Beach
 Sandlin, Christopher, Rocky Bayou CS

Mathematical Sciences

Bernheisel, Ashley, Rocky Bayou CS

Medicine & Health Sciences

Hester, Grace, Paxton HS
 Patel, Shreyans, Niceville
 Rehr, Rachel, Choctaw

Microbiology

Hsiang, Stephanie, Niceville

Physics & Astronomy

Allen, Glory, Rocky Bayou CS
 Amutan, Lucas, Niceville
 Bowers, Daniel, Rocky Bayou CS
 Sandlin, Jessica, Rocky Bayou CS
 Sinopoli, Turner, Crestview

Plant Sciences

Craig, Alan, Baker
 Lallani, Shoeb, Choctaw
 McCarthy, Patrick, Choctaw
 McCarthy, Cayce, Choctaw
 Rose, Ariana, Niceville

Senior Teams

Berghoff, Taylor, Niceville
 Blanton, Jimmy, Fort Walton Beach
 Carr, Kayla, Niceville
 Chestnut, Bethany, Baker
 Day, Lauren, Niceville
 Derrick, Hannah, Baker
 Erickson, Rene, Niceville
 Estes, Ashley, Walton HS
 Freeman, Mady, Niceville
 Gainey, Hunter, Walton HS
 Green, Michael, Walton HS
 Hudson, Sarah, Baker
 Hughes, Daniel, Fort Walton Beach
 Johnson, Madisan Niceville
 Kerrigan, Kyra, Niceville
 McKeel, Taylor, Fort Walton Beach
 Melendez, Kayla, Niceville
 Muench, Taylor, Fort Walton Beach
 Nguyen, Lien, Niceville
 Quigg, Kathryn, Baker
 Radford, Amanda, Fort Walton Beach
 Radford, Melissa, Fort Walton Beach
 Reindl, Jade, Niceville
 Rickmon, Kaitlyn, Baker
 Robinson, Ashley, Niceville
 Saleeby, Kyle, Niceville
 Stone , Katherine, Fort Walton Beach
 Von Kaenal, Carla, Niceville
 Wheeler, Rebecca , Niceville
 Wickery, Katie, Baker
 Wilkinson, Kyla, Walton HS
 Williams, Paige, Niceville
 Willis, Brantley, Fort Walt



Committees & Chairs

Associate Directors	Dr. Cheryl Seals, Debbie Davis, OCSD Specialists
SRC/IRB Chairs	Sharon Richardson, Dr. Venita Morrell
Special Awards Chairs	Cyndi Stone, Jodi Maker
Safety and Display Chairs	Dale Peterson
Judges Dinner Chair	Tim Mills
Judges Chair	Victoria Blaylock
Awards Chairs	Joyce Gruber, Trish Willis
Publications Chair	Suzanne Barber
Student Hospitality Chair	Brian Aldridge

Science Chair Representatives

Okaloosa Schools
 Okaloosa CountyShawnea Tallman
 Baker Becky Madsen, Ollin Griffith
 Bruner Dale Peterson
 Choctaw Joyce Gruber
 Collegiate HSDr. Venita Morrell
 Crestview Nancy Townley
 Davidson Sharon Richardson
 Destin..... Sage Mallory
 Ft Walton Beach Marcia Holman
 Lewis..... Cindy Jannazo
 Liza Jackson.....Trish Willis
 Meigs..... Greer Harvell
 Niceville..... Jodi Maker
 Pryor..... Susan Mikel
 Richbourg Victoria Blaylock
 Rocky Bayou Brian C. Alldredge
 Ruckel Donna Keppel
 St. Mary Laura McNeill

Walton Schools
 Walton CountyDavid Jeselnik
 Emerald Coast MSNancy Parker
 Freeport MSJanice Balentine
 Paxton MS/HSAlvin Wade
 South WaltonGary Houp, Danny Blain
 Walton HSTammie King
 Walton MSGlenda Paul-Ales



