



Aviation Art Contest Winners Announced

By David J. Hoerner

The Montana Department of Transportation's (MDT's) Aeronautics Division announced the students taking top honors in the 2012 Aviation Awareness Art Contest. Lieutenant Governor John Bohlinger presented the winners of the aviation art contest with awards at the State Capital on June 12, 2012.

The goal of MDT's Aeronautics Division is to promote career opportunities in the aviation and aerospace industries, and broaden awareness of the importance of aviation and aerospace to the transportation system and the economy of the State of Montana.

"Aeronautics plays an important role in the vitality of Montana's economy. Reaching out to our youth is important to MDT," said Tim Reardon, Director. "Contests like this are a great way to educate and reward kids for their extra efforts."

In Category 1, Reese Duck claimed 1st Place. Reese is a 4th grader from Lima Elementary School. Reese's drawing was of an airplane flying through the clouds.

In Category 2, Hannah Vraspir claimed 1st Place. Hannah is a 7th grader from Winnett School. Hannah's drawing was a helicopter flying over the mountains with a long-line and net hanging below the helicopter.

In Category 3, Brandon Tromley claimed 1st Place. Brandon is an 11th grader from Browning High School. Brandon's poster is a drawing of a bald eagle with the Montana flag in one wing and the American flag in the other wing. Below the eagle are two F-14 Tomcat fighter jets. Brandon writes, "I included the Bald Eagle as a part of my Native American culture and also it is part of the United States emblem. I like the thought of being or flying in the sky, also the way a jet is built and operated to maintain flight. The engineering is what really caught my eye."

Congratulations to all the winners on a job well done and thanks to all the students that participated in the contest this year!



Pictured (l-r) Lt. Governor John Bohlinger, along with first place winners, Brandon Tromley, Reese Duck and Hannah Vraspir.



First place selection in Category 3 went to Brandon Tromley, 11th grade student at Browning High School. See more winning artwork on page 4 of the newsletter.

Administrator's Column

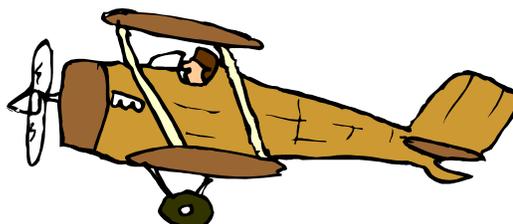
Recreational Aviation Foundation gathers: Members of the Recreational Aviation Foundation (RAF) traveled to Kalispell recently for educational seminars, The Glacier Summit. The group's mission is to preserve, protect and maintain rural airstrips. Members of the group include many state liaisons, family members and friends gathered from places as far away as Maine, New York, Florida, New Mexico, California, Arizona, Washington, Wyoming. Constructive information was presented on a variety of topics by many public and private association leaders, including Bill Ayer, Chairman Alaska Air Group; Craig Fuller, President of the Aircraft Owners and Pilots Association; representatives from the US Forest Service, Bureau of Land Management and many others. The Summit concluded with its annual BBQ at Ryan Field located near West Glacier.

Customs to open at Bozeman: The Bozeman Yellowstone International Airport is pleased to announce that the U.S. Customs and Border Protection User Fee Airport office opened on July 1, 2012. In conjunction with the Yellowstone Club and Signature Flight, Support, the Gallatin Airport Authority remodeled a portion of the "Old Terminal Building" to provide a "state of the art" Federal Inspection Service (FIS) User Fee Facility. Customs and Border Protection will staff the facility from 9am to 5pm, Thursday through Monday. For more information regarding hours and User Fees, go to <http://www.bozemanairport.com/general-aviation-ai-cargo.php>

MedXPress Use becomes mandatory: Effective **October 1, 2012**, pilots must use FAA MedXPress to complete an electronic application for an Airman Medical Certificate or Airman Medical and Student Pilot Certificate, FAA Form 8500-8. The government is taking steps across the board to become more efficient and to reduce costs, and the move to electronic records is consistent with those initiatives. One of the significant enhancements will establish a tracking program so that pilots and AMEs can query the system and electronically determine the status of applications. Try using MedXPress now it is located at <https://medxpress.faa.gov/> If you encounter issues, contact MedXPress Support at 877-287-6731.

Accident info plotted: Air Safety Institute's interactive accident map shows that pilots keep getting caught by the same snags that have trapped others before them. The map reveals year-by-year patterns in accidents related to takeoff, landing, fuel management, VFR-into-IMC, and stall/spin accidents. Check it out [here](http://www.aopa.org/asf/ntsb/maps.cfm?WT.mc_id=120622epilot&WT.mc_sect=sap). http://www.aopa.org/asf/ntsb/maps.cfm?WT.mc_id=120622epilot&WT.mc_sect=sap

F-15s get good news: Great Falls will retain its F-15s through the end of September 2013. A new C-130 mission for the Montana Air National Guard is proposed and will provide long-term stability for the unit but they are not set to arrive until 2014. It has been confirmed that the fighter jets will not leave before the end of FY 2013.



Montana and the Sky
Department of Transportation

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Tim Reardon, Director

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Calendar of Events

July 20-22 – Schafer Meadows Work Session. For further information phone (406) 444-2506.

July 21-22 - Jim Bridger fly-in and celebration days. Pancake breakfast at Bridger airport from 7:00 a.m. to 9:00 a.m. the fly in is held in conjunction with Jim Bridger days that will be going on in the town of Bridger. For further information contact Merrill Pfeifer at (406) 662-5134.

July 22 – St. Ignatius (52S) EAA Young Eagles pancake breakfast/fly-in, 8:00 a.m. to noon. For further information phone Mike Keifler at (406) 544-2274.

July 27-29 – International aerobatic competition at Cut Bank International Airport. For further information phone Dave Ries at (406) 229-0376 or Roy Nollkamper (406) 450-1078.

August 2-4 – Montana Antique Aircraft Association (MAAA) annual Three Forks Fly-In. Flour bombing and spot landing contests. Free camping on the airport. For further information contact Pat Green at greenrrg@aol.com or Ken Flikkema at (406) 480-6207; Bob Green at (406) 539-7830 or Tim Linn at (406) 451-5897.

August 3-5 - “Splash In 2012” sponsored by the Glacier Pilots EAA Chapter 102 Kalispell. Seaplanes, music, a magic weekend for visiting aircraft, water or land. Contact Ry Keller at forestkeller@montanasky.us. Camping, food, and other activities; musicians and music fans contact Bill Montgomery at bill@stillwaterlanding.com

August 4 - Central Montana Hangar will host a work session at Russian Flat from 9:00 a.m. until finished. For further information contact Pete Smith at (406) 535-7979.

August 12 – Lions Club Drive In, Fly-In breakfast and Model Airplane Show at Hysham Airport beginning at 7:00 a.m.. For further information contact Bob Miller at (406) 342-5252.

August 17-19 – Montana Fun Weekend Car Show and Fly In, Cut Bank Airport. Friday night burnout contest and Lawn Chair Drive In movie. Show and shine for cars and aircraft on Saturday, bowling ball drops Saturday afternoon, \$500 price for direct hit; drag racing Saturday night. Cash awards for cars and planes with breakfast Saturday and Sunday mornings by Moose Lodge 334. Free camping on site, lots of tie down area, courtesy cards available. For further information, phone Roy Nollkamper at (406) 450-1078 or Dave Ries at (406) 229-0376.

Rocky Student Participates in MDT Internship



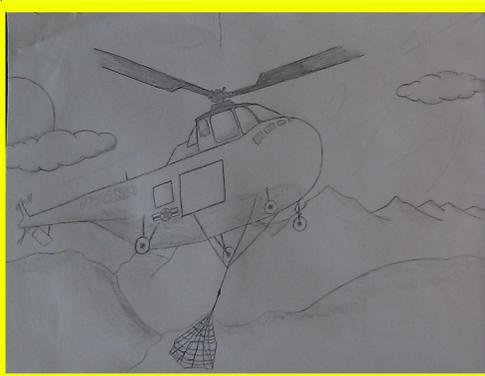
The Yellowstone Airport has participated in MDT’s internship program for the past three years and this year’s Airport Manager Intern is Luke Duley of Davenport, IA.

Luke just finished his second year at Rocky Mountain College in Billings studying Aeronautical Science and Business Management. Luke started the internship on the 21st of May just two weeks after finishing his spring semester at school. Luke says that the internship has more than exceeded his expectations and is thankful for the opportunity. MDT’s internships are designed to prepare you for a real career in an exciting and rewarding field, and with the opportunities that have arisen for Luke; the internship is doing just that.

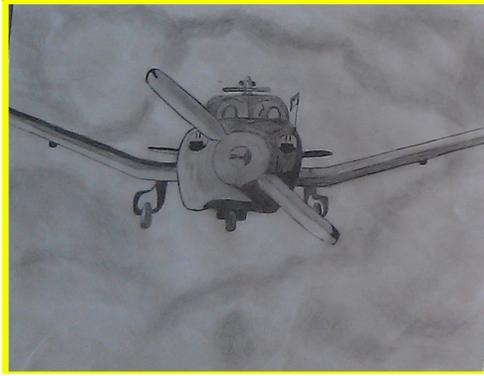
Some of those opportunities include building airport tenant relations, participating in the financial aspect at the airport, writing contract agreements, learning Part 139 airport operating procedures, and going through Aircraft Rescue and Fire Fighting training.

Luke finishes his internship on August 17 and will head back to Rocky Mountain College.

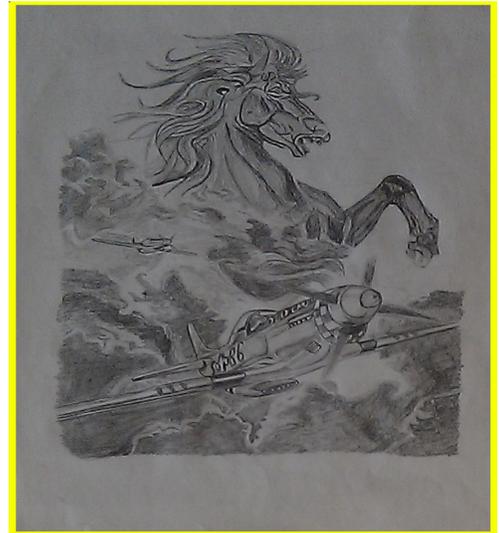
2012 Aviation Art Contest



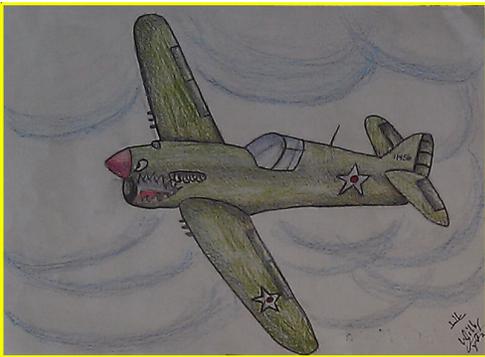
Category 2 winning entry by Hannah Vraspir a 7th grader at Winnett School.



Category 1 winning entry by Resse Duck a 4th grader at Lima Elementary School.



Category 3 second place Nolan Coldwell, 11th grade, Jordan High School.



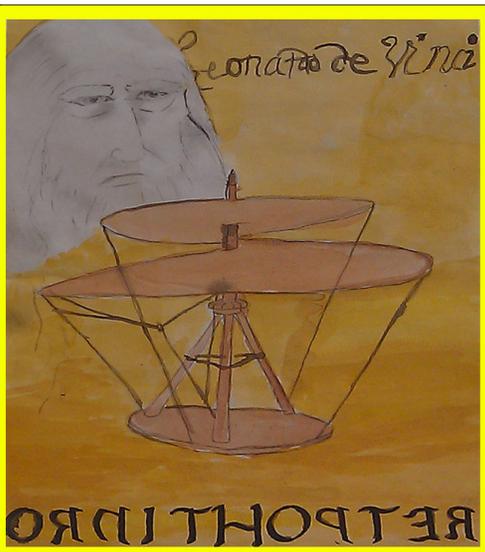
Category 2 second place Willy Lytton, 5th grade Polson School.



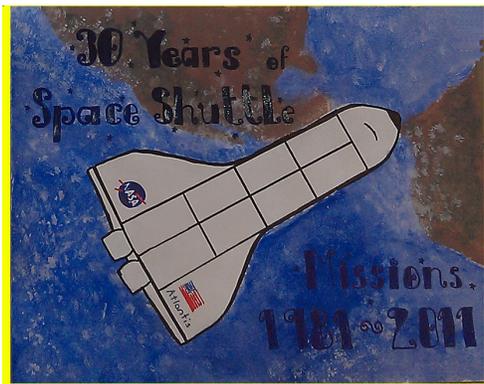
Category 1 second place Michael Hayden, Blue Creek Elementary, Billings.



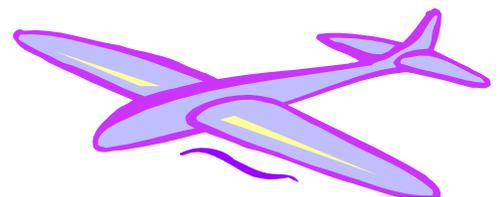
Category 3 third place Daniel Lurie, Roundup, home schooled.



Category 2 third place Sandra Crossett, Polson, home schooled.



Category 1 third place Brooke Sangray, Havre, home schooled.



Students Explore Aviation Careers

By David J. Hoerner



The students visit to Museum of Mountain Flying in Missoula was definitely one of the high points of the two day camp.



The students had a great afternoon with an up close and personal tour of Neptune Aviation.



The students were excited to hear about aviation careers such as working for the Forest Service as a smoke jumper.

The Aviation Career Academy (ACE) program this year was held June 21 & 22. The agenda gave high school grade students the opportunity to explore different aviation career programs. Twelve students were picked from individual essays and teacher recommendations from around the state.

The Academy visited the Museum of the Mountain Flying in Missoula where Stan Cohen gave an expert discourse on the Mann Gulch tragedy and the history of Johnson Flying Service. The students were able to climb into the pilot's seat of the museum's Douglas DC3 and dream about being the pilots of the old historical airplane. Cris Jensen, the airport director at the Missoula International Airport, gave students a tour of the new state of the art, high tech Control Tower.

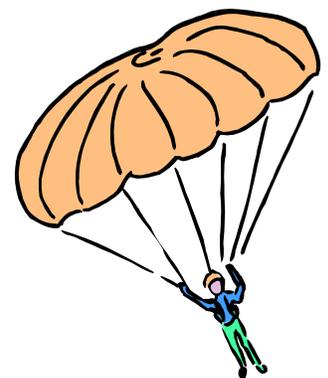
The afternoon program started at Neptune Aviation with talks given by different maintenance personnel on engineering parts, rebuilding engines and propellers. All the students crawled up through the big Lockheed P2V front wheel well and into the pilot's seats. The cluster of engine instruments and avionics showed the training and commitment it takes to pilot the venerable water bomber over wild fires.

The day ended with a visit to the U.S. Forest Service's smoke jumpers training facility. The students were briefed on the requirements of hard work and dedication it takes to be a smoke jumper.

The second day was filled with a guided tour of a missile silo and a mockup of a launch cab at Malstrom AFB in Great Falls. The students learned about the creation of the missile base at Malstrom shortly after the Cuban missile crisis and were coached through a make believe missile launch. They learned of all the safe guards and safety redundancies in place that keeps a nuclear missile from be launched accidentally.

The afternoon was filled up with individual airplane rides provided by Lance Seaman and Fred Hagel of the Experimental Aircraft Association. The day ended with a talk on aviation careers with awards for completing the program.

This Academy is sponsored by Montana's Department of Transportation's Aeronautics Division and is a great opportunity for our students to learn about careers associated with aviation. Hopefully, we can open the minds and eyes of our students into reachable opportunities for their futures.



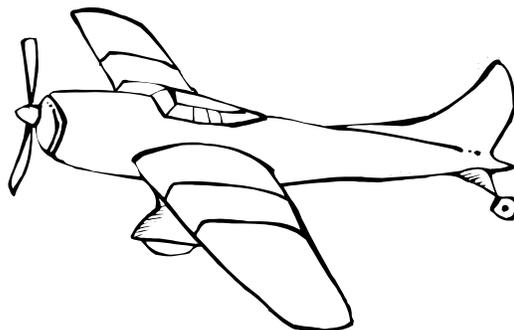
Summer Work Sessions in Full Swing

By Wade Cebulski, Airport/Airways Bureau

The Meadow Creek work session held June 16 was another successful collaboration between the EAA, MPA, MDT/ Aeronautics and Spotted Bear Ranger District. The weather could not have been any better for a work session. Twelve airplanes showed up with approximately 25 volunteers to tackle the day's tasks. Those projects included sawing of down fallen timber, brush removal, cleaning of outhouses, new windsocks, painting of the standards and the middle marker, trimming of the tie down area, adding new cones to mark the runway extension (you might want to consider using this for takeoff especially if hot and heavy), and the extension was mowed. Everybody deserves a big round of applause and a special thanks to Chuck Manning for being the ram-rod, head-cheese or whatever unofficial title we can hang on him. Of course, last but not least a big thank you to the local EAA Chapter and Ry Keller for grilling steaks for lunch. The banana bread Ry's wife sent in for dessert was also a big hit and didn't last long. So in closing, please enjoy the fruits of the volunteer's labor and remember if you fly it in, please fly it out. Have a great summer and be safe.



Pictured clockwise a few of the awesome volunteers who helped make this work session a success, Scott Newpower, Billings; R. T. Adkins, Kalispell; Zack Anderson, Big Fork and Chuck Jarecki, Polson.



Hybrid Solid Rocket Motor Has Successful Test Firing



The Montana Aerospace Development Association (MADA) and Space Propulsion Group, Inc. (SPG) recently conducted hybrid rocket motor and ammonia fuel combustor testing at the Butte AeroTec Facility near Butte, Montana.

During the campaign, two 11-inch diameter paraffin-based hybrid rocket motors were successfully tested, and one test was successfully conducted on a 22-inch diameter version of the motor. An ammonia fuel combustor test was also successfully conducted. The hybrid rocket motor testing is being sponsored by the U.S. Air Force, and the ammonia fuel combustor testing has been sponsored by the Montana Department of Commerce.

The Butte AeroTec Facility involves a partnership between MADA, SPG, Rhodia Corporation, and the City of Butte-Silver Bow. The 22-in. composite case hybrid will undergo additional testing to verify a predicted 5,000-lb. thrust capability at vacuum, with a cumulative 100 sec. of operating time. Thrusting can be stopped and restarted.

The company envisions 22-in. and the previously tested 10-in. versions of the paraffin/LOX hybrid as suitable for the second stage of at least one existing launch vehicle, the Pegasus, and sounding rockets. Testing of the 22-in. version is scheduled to resume in Butte in July.

MDT attempts to provide accommodations for any known disability that may interfere with a person participating in any service, program or activity of the Department. Alternative accessible formats of this information will be provided upon request. For further information call (406) 444-6331 or TTY (406) 444-7696. MDT produces 1,800 copies of this public document at an estimated cost of 39 cents each, for a total cost of \$702. This includes \$483 for postage.

MacPherson Receives Master CFI-Aerobatic Accreditation



Jeanne MacPherson, a 4-time Master as well as a member of IAC and SAFE, recently earned her Master CFI-Aerobatic accreditation. Jeanne is a Helena-area aerobatic flight instructor who owns and operates Mountain Airdance (<http://www.MountainAirdanceLLC.com/>) at Helena Regional Airport (HLN). She also serves as a FAA Team representative in the FAA's Helena FSDO area. Congratulations Jeanne, well deserved!

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Ninety-Nines Airmark Lewistown Airport



Pilots flying into the Lewistown Municipal Airport have a new way to identify the location thanks to the Ninety-Nines. A few of their members flew in to Lewistown to Airmark one of the runways at the airport. The paint for the project was donated by the MDT Aeronautics Division. The Ninety-Nines is an international organization of women pilots that promotes the advancement of aviation through education, scholarships and mutual support while honoring their unique history and sharing their passion for flight. For further information on the Montana Ninety-Nines visit their website at www.montana99s.org/.

