

THE PLANE PAPER

A PUBLICATION OF THE
RHODE ISLAND PILOTS ASSOCIATION

644 Airport Road, Warwick, RI 02886

<http://www.ripilots.com/>

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PRESIDENTS CORNER

Rollin' Rollin' Rollin'.....and we're off. Life at sea level during the colder months may be hard on the body but the airplane loves it. You get off the ground in shorter distances, climb faster and have higher true airspeeds. Everybody loves airplane performance in the winter time. But summertime and higher Density Altitudes are just around the corner.

This is not normally a show stopper for operators flying in and out of seal level airports, but there are a few things we need to remember. At sea level on a standard day (59°F. or 15°C.) your altimeter should read 29.92 in Hg or 1013.2 mb if your altimeter reads in millibars. That equates to a column of air measuring 1 square foot (sf²) over any point on the surface that weighs 2116 pounds per square foot (psf²) or 14.7 pounds per square inch (psi²). This also gives us a Std Day Sea Level Air Density of 0.002377 Slugs per cubic foot (F³). Remember that slugs are a measure of mass, not volume and melt if you pour sugar on them.

All of these values are directly proportional (except for temperature) and decrease as we go higher in that column of air. At 22,000 ft. they're approximately ½ and at 40,000 ft. approximately ¼ of their sea level value. Consequentially, the reduction in air density at the higher altitudes has an adverse effect on the aerodynamic capabilities of the airfoils and propellers. You won't accelerate or climb as fast and your indicated airspeed is much lower. You may even notice a difference in the pitch attitude of the aircraft to maintain straight and level. Generally speaking the one performance value that will improve is your True Airspeed (TAS).

To give you a graphic example of the significance of altitude on aircraft performance I departed Bellingham, WA one morning at 10:00 am. The field elevation is 170 ft., the temperature 70°F and the runway was 6700 ft. long. My takeoff gross weight was 12,500 lbs. We had a takeoff run of 1250 ft. and an initial climb of 2800 fpm. That afternoon we landed in Jackson Hole, WY. The field elevation is 6451 ft., and the runway is 6300 ft long. The next day we departed at 10:00 am, T/O weight 12,500 lbs, with the temperature at 70°F. The takeoff run was 3980 ft and the initial climb was 1900 fpm. Another departure from an 8300 ft elevation

airfield with the same gross weight and similar ambient conditions resulted in a 6000 ft T/O run and an initial climb of 1100 fpm.

Most airplanes have a maximum altitude for takeoff which is predicated on "Density Altitude". In the aircraft above, a Beech 200 King Air, that altitude is 10,000 ft. Sure you can get in and out of airfields that are higher but the overall performance is significantly reduced and the single engine performance is non-existent. In a single engine airplane with a fixed pitch prop, the only variable you have to play with is leaning the mixture for peak rpm, which allows you to develop maximum horsepower for takeoff.

Enjoy the summer flying; anticipate reduced performance and as always "Fly Safe"

Tom Magnan



HANGAR FLYING

Weekend Flying

Hello to all and welcome to spring. The snow has finally melted, thank God. Now if the temperatures rise, we'll be on our way to better weather which translates into more flying for all of us.

On Sunday, March 13th, Block Island Airport was the destination of a number of aircraft from SFZ, as well as a few from other locations. Even though I took off in a light mist because of passing clouds, the weather turned sunny and clear. The wind was howling which made the flight a little ruff and made us work for a decent landing. The purpose of this flight was to attend the St. Patrick's Day Breakfast at St. Andrew's Parish Hall. Again, we were welcomed with open arms. The food was extremely delicious and plentiful as usual. There seemed to be a pretty good turnout in general and we filled two large tables with RIPA pilots. We always have a good time and leave with a full stomach. Thanks go out to St. Andrew's Parish for all the good food and terrific service.

Fly Safe.....Frank Oliveira.



Jen, Paul Tocco, Jan and Frank Oliveira at Block Island.

MEETING MINUTES

Dinner Meeting
March 8, 2010

Tom Magnan, President, called the dinner meeting to order at 7:05 pm at Chelo's in Warwick. There were 48 members and friends present at the meeting. A dinner recess was called after table introductions.

The Secretary's Report was accepted as written in the Plane Paper.

Beth Tetreault, Treasurer, reported that there was \$3823.63 in the General Fund and \$2876.22 in the Scholarship Fund. The report was accepted.

Announcements:

- Donations are being accepted for our windsock program.
- Volunteers are needed at the next board meeting to assist with the Twenty Week Club Mailing.
- The Ladies Guild of St Andrew's on Block Island has invited us to their St Patrick's Day brunch March 13th.

Door prize winners were Myron Mitchell, Dan Scanlon, Mike Falcone, Jen Tocco, Barbara Nelson, Fred Crudale, Bill Williams, Joan Falcone, John Hayes, Ann Crudale, Tony Fontana and Jim Terry.

Our speakers, Paul Tocco with Frank Oliveira, were introduced.

The meeting was adjourned at 8:30pm

Respectfully Submitted
Marilyn Biagetti Acting Secretary

RIPA's sponsoring businesses

ROGER BIAGETTI
EXCAVATING

401 568 3497



"Auto Doctor" Carlos Vares
1524 Smith St Rt 44 No. Providence
401 354 4111

Stanley Granite Co. Dave Czerwonka
Monument Manufacturers
91 Pawtucket Ave. Rumford
434 4064 www.stanleygranite.co

President= Tom Magnan 440 0719 tjmagnan@msn.com
V President Dan Scanlon - 885 1196, F1212@aol.com,
Treasurer:: Beth Tetreault - 447 5048, etetreault1@verizon.net
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Membership: Steve Nelson= 934-2494 Beech_23@hotmail.com
Events Chair: Rene Cardon - 651-3528 Rcardon182@aol.com
Website: <http://www.RIPilots.com/> Email: RIPAE@aol.com
Group: ripa@yahoogroups.com

A student pilot finally spotted the airport after getting multiple vectors.

Pilot: "Tower, I'd like to make this a touch-and-go and then depart the pattern."

Tower: "Oh no! It took so much effort for us to get you here, and now you want to leave right away."

CLASSIFIED ADS

FOR SALE: 1971 Cessna 172L Skyhawk N7623G

Garmin 430W, Narco MK12D with GS, STEC 20 AP, GPS Steering, King ADF, Narco Xponder and audio panel, Strikefinder, EI UBG16 engine analyzer, 406 Mhz ELT, Powerflow exhaust, Standby vacuum, Tanis engine heater. Hangared at PVD. Will be listed on www.tsunami-air.com. Howard Rowland

FOR SALE: Magic Chest Freezer 34"x34"x24" like new \$125.
Call Gene Bielecki at 401 231 6229 or 447 9354

Bose X head set FOR SALE

With new ear cushions and mic cover. Drop cord is set up for standard audio & mic jacks. Includes carrying case. \$500.00
Joe Simanski 401-399-2580

Comant XM Antenna CI-420-1:



This is a brand new Comant Industries XM Satellite Antenna Model CI-420-1. It is in its original box and has the 8130 form with it.

This item sells for over \$520.00 on every aviation site. It is compatible with Garmin, Avidyne, and others. Asking: \$250.00.
Larry 401-714-2220

Based at SFZ: 1969 Piper Arrow PA 28-200R, Factory Reman Lycoming, New Hartzell Prop, IFR with Dual Narco Digital Radios & Glideslope CDI's, Panel Mounted GPS, Auto Pilot, Nice Cross Country Aircraft
\$13,500 for 1/3 share or \$20,000 for 1/2 share
Call Al for details 401-578-4494

1/2 Share 1964 Beech Bonanza S-35: Based at SFZ. 4800 TT, 1300 SMOH, 200 STOH. Scimitar prop, GAMI's, STEC-30, GNS430W, Avidyne EX500, KX155, Shadin, JPI-700, MP3 player, D'Shannon Baffles, XM Weather. Much more. Meticulous maint. Good paint & int. Fly 170kts on 14 GPH! \$40,900. Call Marc (401) 714-1864 or email: mcatanese@aol.com

USED CESSNA PARTS FOR SALE:

Complete **exhaust system** for a Cessna 172M, (O320 engine) in good condition. This system was removed so as to install a Power Flow Exhaust System. Asking \$600

One complete set of **McCauley main wheels and brake calipers** from a Cessna 172M. All in good condition. Removed for upgrade with Cleveland wheels. Asking \$150

Sigtronics Intercom, SPA-400, w/ installation manual. Asking \$100. ARC **Nav/Com** RT-385A with IN-385 indicator (24V). Asking \$400. ARC **marker beacon receiver** R-402A (24V). Asking \$75. Cessna 172 **Service Manual**, 1969 - 1976, \$25. (NEW) **Rapco vacuum instrument filter**: #RA 1J10-1, \$10. Seven Quarts of **Aeroshell W65**, asking \$30.
Call Frank...days 401-787-2338 or evenings 401-727-2580

FOR SALE: Ocean State Oil is offering current members a discount on AEROSHELL(cases & drums). 123 Ocean State Dr. North Kingstown, RI 02852 1800 554 4557

Free Classified ads of current members for aviation related items.

Marilyn: 568 3497, Fax: 568 5392, email biagettim@cox.net

NOTAMS

TOWER TOUR

Tom Lafen has sent instructions for attending the tour. He asks us to start early and will need attendees ID's. Meet at the tower at Warwick Industrial Drive.

Date: May 10, 2011

Start Time: **5:00PM**

Place: FAA Tower, Warwick, RI

1. Pre-Registration with RIPA required. Pilots can use their pilot certificate or drivers license, as proof of citizenship and it will be incumbent upon them to provide proof of citizenship for their non-pilot guest a minimum of one week prior to the tour. A photocopy of that information can be emailed to Tom Magnan at tjmagnan@msn.com. All information will be documented and shredded.
2. Must be US Citizen
3. Photo ID Required
4. Parking in the 1st parking lot to the left, farthest away from the facility. If that is full, the next closest, etc. When they pull up to the gate, they will either have the gate open, or directions for access on the phone box.
5. Three tours at a time of about 7 people each. Each tour takes about 30-45 minutes.
6. After the tour to Chelo's for dinner.

RIAC Regulations

Don Pillsbury and Frank Sherman met for a workshop, Monday, with 2 RIAC members to clarify the regulations that RIAC has proposed. They explained they are mandated by the state to have rules conforming to the FARS.

SAFETY SEMINAR

Plane Sense; Is it Airworthy?

What to Expect From Your Aircraft Maintenance Technician

Saturday, April 30, 2011, starting at 9:00 am
Landmark Aviation Hangar, 300 Jenckes Hill Road
Smithfield, RI 02917 **[register online !](#)**

Speaker(s): Steve Grota

Brief Description: Who's responsible for the airworthiness of your aircraft? What should mechanics be doing to your aircraft during an annual / condition inspection? Get the real answers to these and other questions concerning the safety of your aircraft and YOU!

Sponsored by Landmark Aviation; John H. Sulyma Insurance Agency; & New England Aviation, Inc.

STEPHEN W. GROTA Phone: (781) 357-4935
stephen.grota@faa.gov

NOTAMS

BOARD MEETING

Tom, Beth, Dan & Dee, Rene, Marilyn, Steve & Barbara Nelson, were joined by Maryann Lamothe for the Twenty Week Club mailing at the March Board Meeting.

It was agreed that we meet on the last Tuesday of the month at 6:30.

Tom Lafen's instructions for the tower tour were reviewed. Starting early will help Tom and hopefully keep the dinner on schedule.

RIPA JACKETS

Jackets with the RIPA emblem are available from Rene Cardon. He can take your orders for the jacket or another article of clothing with the association emblem.

To join the Fly to Lunch Bunch, contact Rene Cardon (651-3528) or appear at Landmark at SFZ around 9:30 on Saturday and/or Sunday. They would be happy to have you.

To join RIPA'S YAHOO Group go to
www.RIPilots.com/join.



Buz Sawyer, Richard Ciolfi, Paul Carroll, Hector Girouard, Norm Marshal, Phil Sargent and Frank Sherman enjoy St Patrick's Day Brunch on Block Island

eMAIL BAG

new 1% tax

Governor Chafee's proposed budget includes a new 1% tax on aircraft purchases, rentals and parts. The RI Pilots Assn should oppose this new tax. There is a similar proposed tax on boats, which I am sure the marine industry is going to fight. *Bill Weedon:*

MEETING NOTICE

Make your reservations today by calling 568 3497 or via email at RIPAemail@aol.com by April 10, 2011

Date: Tuesday, April 12, 2011

Time: 6:30pm Cocktails

7:00pm Dinner

Place: Chelo's in Warwick

Airport exit off Rte.95 to Post Rd south,
500ft on right

Buffet of:

Oven Roasted Chicken Quarters,
Baked Salmon,
Meatballs & Penne Marinara,
Garden Salad w/assorted dressings,
Garden Vegetables,
Roasted Garlic Mashed Potatoes,
Rice Pilaf,
Fresh Bread
Assorted Cake Slices,
Coffee and Tea.

Price: \$25 per person

\$45 per couple

\$5 just coffee and dessert

PLEASE CALL TODAY!!!!!!

Feel free to join us by 8:00pm if you wish to attend just the meeting. There is a \$5.00 charge if you would like just coffee and dessert.

Members wishing to fly into PVD can call any Board Member to arrange transportation to and from the meeting.

GUEST SPEAKER

April - Ken MacDonald

May – Tower Tour



104 East Ironstone Road
Harrisville, RI 02830

EVENTS SCHEDULE

April 12 - Dinner Meeting

April 26- Board Meeting

April 30- Safety Seminar SFZ

Plane Sense; Is it Airworthy?

May 10- Dinner Meeting

Tower Tour (see instructions)

May 24- Board Meeting

June 14- Dinner Meeting

Master Pilots Award

June 24-26 Quonset Air Show

December – Holiday Gala

Air Man of the Year Award