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Volume 6 - Winter 2013

## **This Issue of Windwords**

Welcome to the Winter 2013 issue of 'Windwords'. In this issue you will find the following topics...

**A New Photo Contest Begins** - We have started a new photo contest. Start sending your photos for a chance to win an upgrade to the current ATI Sonic Electronics.

**For The Record** - We continue with our history of the Sonic Anemometer, however there is so much to tell you, that we decided to put it on our website. Visit <http://visitor.benchmarkemail.com/c/?u=2DB2E6A&e=3B7091&c=182E3&t=1&l=33CED48&email=tpCXPeuF7zuT4cisakRYCg%3D%3D> to read "Advances in Meteorology and the Evolution of Sonic Anemometry by Dr. J. C. Kaimal.

**New Articles of Interest** - New Articles related to the science of Meteorology

**Just The Facts** - More facts about the Applied Technologies, Inc. Sonic Anemometer

**For the Fun of it** - Fun, funny stories, and notable quotes...

For those of you who have just received your first copy of Windwords - we invite you to take a look at some previous issues. The Windwords Archive can be found on our website: <http://visitor.benchmarkemail.com/c/?u=2DB2E6B&e=3B7091&c=182E3&t=1&l=33CED48&email=tpCXPeuF7zuT4cisakRYCg%3D%3D>

### **A New Photo Contest Begins!**



Ok shutterbugs and non-shutterbugs. We are doing it again. The Applied Technologies Photo Contest is ON one more time! YES!, you too can win an upgrade to your ATI Sonic Anemometer. We will install and test our latest electronics board in the Sonic Anemometer of the winner of this contest, and if the timing is good, we should have our latest version by then, which will give you the newest and most added features available.

Thank you to everyone who sent in an entry the first time, and congratulations to the Clarkson University Research Team and Professor Pier Marzocca for the UAV photo featuring our A-Probe. If you missed the winning photo, it can be found at: <http://visitor.benchmarkemail.com/c/?u=2DB2E6C&e=3B7091&c=182E3&t=1&l=33CED48&email=tpCXPeuF7zuT4cisakRYCg%3D%3D>

Your photo can also be featured on our website! Take an interesting photo of how you are using our equipment, or an exotic location where our instruments are being used and send your photo (in .jpg or .png format) to: [photocontest@apptech.com](mailto:photocontest@apptech.com). Please include a description of the installation as well as your full name, organization, address, email and phone, so we can notify you if you win.

This contest is not limited to organizations that own ATI equipment. If you are a person who may have a picture of our equipment that you borrowed and don't own, or may have leased from us, send us your photo. You could get a fabulous discount on a new Sonic, equivalent to the cost of the upgrade.

Please remember, none of the information you give us will be shared in any way outside of Applied Technologies, Inc. All photos submitted become the property of Applied Technologies, Inc.

You have plenty of time to get us a photo. It takes us a few months to get this publication out to everyone, so start snapping some photos and send them to the address listed above. We will remind you of the amount of time you have left on our Facebook Page as the contest winds down, so visit our page often. We will also feature some of the entries on our Facebook Page, so please visit us at Facebook and LIKE our page while you're there to keep up with the new entries being submitted.

THANK YOU AND GOOD LUCK!!!

### **For The Record...**



It appears that the statement we made in the last Windwords was incorrect. ATI is now THE oldest company building Ultrasonic Anemometers. The first oldest company has stopped making them.

In our last issue we started what we thought would be a couple of issues worth of history on the Sonic Anemometer. With the help of Dr. Kaimal it has expanded to such a tome; we have decided to

### **Just The Facts**



Do you have an application that requires the measurement of air flow in a location that is not adaptable to the standard sonic probe? If so, ATI has built several specially shaped instruments for customers, so they could be placed within their application.

Do you have an application that requires collecting air flow at some strange data rate? The ATI sonic can be set to just about any strange values, up to the maximum of 200 Hz.

Did you know that you can get all the features and commands of the SATI sonic in a 2D probe or even a 1D sonic probe for those who already know what the direction is going to be.

Do you need to measure the temperature in a location where you would like the 'dry air equivalent'? You don't have to post process your data, the ATI sonic has the ability of turning off the RH so your measured results have been processed for you.

Do you need to measure temperature more accurately? If so, the ATI sonic has the ability for the operator to do just that. The operator can calibrate the sonic to a very accurate degree, and then also put in the proper parameters that will allow the instrument to calculate a more accurate temperature reading for the output. No need to do any post processing of the data.

### **For the Fun of it!**



A Limerick:

$$((12 + 144 + 20 + (3 \times \sqrt{4})) \div 7) + (5 \times 11) = 9^2 + 0$$

Translation:

A Dozen, a Gross and a Score, plus three times the square root of four, divided by seven, plus five times eleven, equals nine squared and not a bit more.

"According to a new U.N. report, the global warming outlook is much worse than originally predicted. Which is pretty bad, when they originally predicted it would destroy the planet." -- Jay Leno

If it's Zero Degrees out today and it's supposed to be twice as cold tomorrow, how cold is it going to be?

Q: What do you call fifty penguins in the Arctic?

A: Lost! REALLY lost! (Penguins live in the Antarctic.)

just put the complete document on our website for those of you that would really like to know how it all actually happened.

#### Advances in Meteorology and the Evolution of the Sonic Anemometer by Dr. J. C. Kaimal



Dr. J. C. Kaimal

Dr. Kaimal has been a key player in the development of the Sonic Anemometer Science.

He tells his story of the evolution of the Sonic Anemometer and how his involvement in the development of the science helped shape the sonic anemometer of today.

You can find the entire article, exclusively, on the Applied Technologies, Inc. Website. Here is a direct link to the [Evolution of the Sonic Anemometer Page @ apptech.com](http://www.apptech.com/evolution)

#### New Articles of Interest



There is another sonic anemometer comparison test being performed as this document goes to print. A follow-up paper is anticipated. Keep an eye on these pages and we will make sure it gets referenced here when it is complete.

#### Windwords Archive

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If you are in a spaceship that is traveling at the speed of light, and you turn on the headlights, does anything happen? --Steven Wright

"The storm starts, when the drops start dropping. When the drops stop dropping then the storm starts stopping." -- Dr. Seuss

When you see the weather report and it says "partly cloudy" and then the next day it says "partly sunny"; what's the difference?

Fool me once, shame on you. Fool me twice, shame on me. Fool me 92,748 times, you are a weather man.

Energizer Bunny Arrested - Charged with Battery.

A pessimist's blood type is always B-Negative.

Does the name Pavlov ring a bell?

Practice safe eating - always use condiments!

A chicken crossing the road is poultry in motion.

With her marriage, she got a new name and a dress.

When two egotists meet it's an I for and I.

A gossip is someone with a great sense of rumor.

Show me a man with his feet planted firmly on the ground and I'll show you a man who can't get his pants on...

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