



The Daily Bull is probably not suitable for those under age 18 and should not be taken seriously...like drug dreams.

The Ghost of Aerial Photography's Past: Kite Flying!

by Nathan 'Invincible Miller ~ Daily Bull Immortal

A long time ago, I started a hobby called "Throw my camera in the air and hope for a good photo." I'd set a timer, toss it in the air as high as I dared (30-50 feet), and attempted to catch it. The catching part was trickier than I thought, which wound up with a couple broken cameras and a lot of blurry photos to show for it. Perfection was tough.

One day last winter, I had an epiphany: what if I attached a camera on a kite? I bet I could get awesome photos that way! I still don't know where I came up with the idea, but as it turns out there are a decent number of people who do just that. I was in luck! It's known as kite aerial photography (or KAP for short), and there are probably a couple thousand dedicated folks that do this around the world, with many more dabbling here and there. I ain't no dabbler, so I took to it like a kite to a heavy breeze.

Probably the easiest part (at first) was choosing my camera. I already had upgraded my throwing camera to a waterproof, ruggedized Panasonic, which had proved itself worthy of the worst falls onto rocks. Selecting a kite came next: I went with a 9ft Levitation Delta, a giant colorful wing that bucks and weaves in gusty weather like a bullfighter. It's kinda sketchy but does the job in medium winds. With those two pieces covered, I built a massive kite reel for 1000' of line and a rig to house the camera. Servos hooked up to a little chip press the shutter and I'm set!

For about \$150 of initial investment (not counting camera), I had a fully automated aerial photography rig that is both fun to fly and significantly safer and easier to work than a drone or R/C plane or copter. Of course, **see Let's Go Fly a Kite on back**

Engineers With Borders

by Alex Piotrowski ~ Guest Writer

Most engineers come to Michigan Tech realizing the market potential they may soon be able to take upon themselves in today's society. "Michigan Tech is such a wonderful place to be year round, especially spending time with strangers you may soon find out to be your new friends!" droned on Tech President Glen Mroz, "a magical place full of happiness surprises and wonder!" Contrary to popular belief, once you arrive and get snatched in the prison they call Michigan Tech, the windows and doors are soon barred and resemble prisons much of the likes of Alcatraz. "Man, this some bullshit!" Mike Literis complained when asked to comment on the deceit of the university. "I was promised booze, hand grenades and an ample supply of Hustler magazines in my drawer upon my arrival... what is this shit?"

Much to the surprise of incoming students who are trapped in the fantasy mindset of the college life they hear about from friends and see in movies, Michigan Tech has instituted an "Engineering with Borders" mindset starting this semester. Conspiracy theorists have discussed the origination of these issues and most have come to the conclusion it was a student's fault last year who was not following standard dorm procedure of playing sports in the hallways. The student was said to have been playing putt-putt with a friend tapping the ball lightly down the hall eight feet in front of him when a female RA came by and rushed to break up the foul acts the boys have been creating against mankind. Screaming profanities at them to stop their madness as she stamped through the hall, she was soon stricken by

see A Spoonful of Sugar on back

"You don't have much experience with heat, do you?"
--Kristoff (Frozen)

Repost IRL: Tell me about it.

HOW TO DESCRIBE DOCTOR WHO TO DIFFERENT PEOPLE

| | |
|-------------------------|---|
| PARENTS | REMEMBER WHEN YOU WATCHED MONTY PYTHON? IT'S KINDA LIKE THAT, BUT IN SPACE. |
| COOL FRIEND | BASICALLY HE'S A TIME TRAVELER THAT RIDES AROUND IN AN OLD POLICE BOX, OH AND HE WEARS A BOW TIE! BUT THAT'S NOT- HEY WAIT WHERE ARE YOU GOING! |
| NERDY FRIEND | YOU HAVE SUCH A WONDERFUL JOURNEY AHEAD OF YOU. |
| BOYFRIEND | IT'S BASICALLY BATMAN FOR BRITISH PEOPLE. |
| CO-WORKER | AND THAT'S WHY I NAMED MY FANTASY BASEBALL TEAM "VICTORY OF THE DALEKS" |

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from Let's Go Fly a Kite on front

that initial investment only got me so far. I'd need lower wind kites (6.5' and 8' rokkaku), replacement parts for when things crash, and constant upgrades to get better photos. It's paying off though, which is more than could be said about my camera throwing hobby.

Why use a kite instead of a drone? Well, for one it's way cheaper. Either of my rokkaku kites in a steady breeze of 6-12 mph can more than lift the equivalent weight of a DSLR, and they both cost at most \$150 each. You'd need a really pricey drone to be able to lift that amount of weight, and then you'd be limited by the battery life. My KAP rig can fly for hours at a time, gathering thousands of photos with a limited amount of effort. Plus, who doesn't love kites?! Drones are loud, intrusive, and prone to randomly crashing into things. Kites have only to worry about trees, lulls in the wind, and Charlie Brown.

Still hard to believe that a kite aerial photography rig can pull it off? Check out and like my facebook page at www.facebook.com/KAP.Invincible. I'm able to fly from the ice now, so be on the lookout for me as you travel the Keweenaw. I guarantee I'm the only guy out there flying a kite in -20°F wind-chills. 🍷

from A Spoonful of Sugar on front

the hall RA opening the kitchenette doorway in a flurry to see what the issue was and knocked her unconscious, later to be pronounced dead on the way to Marquette General Hospital after the 45 minute airlift from Houghton. As a result, both students involved in the issue were executed in front of the next incoming fall freshmen class to provide an example of the behavioral traits now expected of them. "They have to learn at some point...." Stroker mumbled as his words drooled out of his mouth along with his saliva as he proceeded to take a nap.

After the incident, authorities at Michigan Tech began tightening their policies of bad behavior across the board. The greatest change was found in the dorms, where students were recently informed of the changed policies of Housing. Many students are up in arms, with some of the changes being a ban on playing music, a zero tolerance policy for voices above a whisper, and prohibiting students from using the letter "F" because "it looks too aggressive.

Students are planning protests to in the upcoming weeks against the policy.🍷

Come join us! We meet in Walker 144 at 9:15 pm on Wednesdays!



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