

WR. 6-06
The Writings of Prof. Bailey
Repulsion Energy,
2004

LETTER 6/06 "Things That Pump"

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Sir, I have "NEVER" received any funding. I have never sold plans on the internet or asked for anyone's money.

I am forced to "IMPROVISE" everything on my Repulsine project.

It's not that I am un-willing to give you a Repulsine.

I NEED MORE TESTS.I MUST BE SURE IT'S SAFE AND BASED ON A FIRM SCIENTIFIC PRINCIPLE.

I am more then happy to share my Repulsine with you.

I am referring in my letter to the "CAPTURED" Repulsine's that are in government hands. I am also referring to the Repulsine in possession of the man who confiscated all of Viktor's notes.

I personally do not believe we will "EVER" see the original Repulsine without paying some un-believable price!

The "SECOND" my Repulsine is tested well enough to be shown to the public, I will be happy to demonstrate it for you.

I have to build my Repulsine's out of "SUB-STANDARD" materials. That is why I am so reluctant to demonstrate them to others.

I have a few important tests to run.

When I have finished those critical tests, I will attempt to video tape the machine in operation.

Again, I am "NOT" referring to "MY" Repulsine! I would be very happy to share it with you at the appropriate time.

I am referring to the "ORIGINAL REPULSINE'S", they exist, but we personally may never see them for security reasons or personal greed of those who have control over them.

Their Repulsine is "PERFECTED". Mine is most definitely still "EXPERIMENTAL" and prone to catastrophic failure.

When the time is right, I will be more than pleased to show my Repulsine to you.

On the web there is a "WATER BASED" Stirling engine sight.

The hot and cold air chambers are connected to a "TILTING" platform.

As I tilt the device water is moved by gravity from the left side to the right.

On the right side is a "HOT" air chamber. As the water forces air out of the hot chamber it moves through a connecting air tube to the "COLD" chamber.

This produces a large suction as the warm air is cooled in the cold chamber and water is drawn into the Stirling engine.

Tilting the device into the opposite direction forces the cold air back to the hot air chamber and the air expands. This pumps water out of Stirling engine.

This is a very interesting way to pump water!

You can look it up on the internet under "STIRLING ENGINES". There are now dozens of good sights.

Your "LACK OF UNDERSTANDING" of how the wavy disc plates resonate is "NOT A PROBLEM".

Take your "SHOP VAC" and blow air into a "WOOD DISC" with a hole in the center. The hole has the exhaust hose mounted flush in the middle.

You can use a piece of solid pipe connected to your shop vac exhaust hose. The solid pipe then goes flush into the wood disc with the hole in the center. The hole simply fits the outer diameter of the exhaust pipe.

The wood disc can be 12 to 24 inches in diameter. The hole is the same diameter as the shop vac exhaust hose or the solid extension pipe connecting to the exhaust hose.

Prop the disc up so that it is horizontal. The same as a table top. The exhaust tube should be at the "BOTTOM".

Turn on your "SHOP VAC" exhaust hose and blow air out of the hole in the center of the disc.

The air should be blown out vertically and toward the ceiling.

Next obtain another disc the same size as wood disc with the hose in it. Place it on top of the disc with the air blowing out at the center. The "TWO" discs will immediately begin to "HOWL" and hum.

I have done this with dinner plates, steel pans or "ANYTHING" I can fit over the bottom pressure plate.

This happens because when the wind is moving "SLOWLY" between the plates the air pressure is greater then when wind is moving rapidly.

Therefore, the plates are dynamically "UN-STABLE".

The further the plates are apart, the faster the air flowing between them.

This generates lift between the plates!

As the plates move together the wind is slowed down and once more exerts pressure!!!

This effect "RESONATES" (like a duck call) until the "SHOP VAC" exhaust is shut off.

Once you have mastered this effect. You can then place a "VACUUM TANK" over the discs and resonate them by "SUCTION". This time the pipe under the disc is not connected to the "SHOP VAC"

It does not matter if you "BLOW" the air into the wood disc hole from below or suck it out from above the wood discs, they will still "HUM".

There was fuel pump on my Weedhopper Chatoia engine. It worked by crank case pressure acting on a rubber diaphragm containing the fuel.

If you have done the "EXPERIMENT" with wind blown between the "TWO DISCS". You will begin to realize the "REPULSINE" discs are "UN-STABLE" when placed together!

ANY WIND BLOWING BETWEEN THE TWO REPULSINE PLATES WILL CAUSE THEM TO "HUM" AND "RESONATE".

If my deductions are correct. We can harness this resonance and use it to "PUMP" air into our Repulsine.

The resonation of those plates as wind blows between them is "THERMO-DYNAMIC" in nature.

Any temperature difference between the wind blowing through the wavy disc plates and vortex core inside the Repulsine can generate power!

This is no different then the power developed in a Stirling Engine as the air trapped inside is resonantly heated and cooled.

Sir, what is a pump???

It is something that converts mechanical or thermal energy into a flow of liquid or gas.

If the Repulsine "WAVY DISC PLATES" act like a "PUMP".

We will "NOW" have a way to heat and pressurize the Repulsine air chamber in addition to the centrifugal flow generated by the spinning wavy discs.

This "HARNESSED" plate oscillation could be the "KEY" to maintaining the power output of the Repulsine indefinitely.

Without this plate resonance effect, the centrifugal compressor driven by the exhaust turbine would soon shut down as its heat is conducted into the environment.

Sir, anytime you heat a large metal chamber by internal pressure you will "INDUCE" a cold downdraft next to it.

This cold downdraft is from natural convection. When that cold downdraft strikes the Repulsine shell it makes it un-stable.

This thermal instability causes the internal Repulsine air to contract and expand. The expansion and contraction is what drives the "WAVY DISC PLATES".

It is important you do the experiments with the wood discs!

Once you have seen the discs "HUM". You will realize this effect can be used to "PUMP" compressed air into your Repulsine.

This will help you understand just "HOW IMPORTANT IT IS" to examine each piece of the Repulsine separately.

It is also a well established fact that "COLD WATER" sprayed into hot steam, can cause an "INSTANTANEOUS VACUUM" to be formed!

This once "DROVE" a steam piston right through the floor of an early steam engine. The cooling jacket around the steam engine had sprung a leak!

After that water spray into steam implosion effect was understood, it was employed on all new steam engines and became standard practice.

You critics "DO NOT" even know the history of their own technology!

GOOD LUCK WITH YOUR RESEARCH EFFORT!

END