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RESEARCH ARTICLE

THE PHYSICS OF HEAT AND EXPANSION

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ABSTRACT

This essay is a journey into the nature of heat and expansion how, and why, and by what these come about. Unless similar essays have been read all of this will be new, as in previously unheard of. It therefore should be interesting as well as educational.

INTRODUCTION

How will it be to know what heat really is, and not just by what cause expansion comes about, but exactly how that comes about? As I searched the minds of our scientists and educators into the nature of heat and of expansion - I was astonished to discover that we have no idea as to the nature of either.

Essay: If by probing the mind of man I may show where and wherein we err it should come to reveal what is, and what is not, as well as how that may be right, or wrong. Accordingly, we come to our quest:

What is heat?

By quotation: "Heat is a form of energy, arising from the motion of particles, that is present in all matter." If now the words "energy" and "particles" were not in that statement I would give it credit. It however leads to the question - as to what energy might be? For as it arises from the "motion" of particles - what is arising? What is that motion giving off, or producing, so as to be energy? If then we look up what energy is - it comes to nothing more than motion. And so the answer should have been that - "heat is a form of movement arising from the movement of particles." But then that is not accurate since the proper reply would be to say that - "heat arises as movement from and/or by the movement of those particles." That then boils down to - heat being the motion, or motion being the heat. With more and more questions it appears that the answers come down to motion, that - heat is in fact motion, and by motion.

And why then did we not say so in the first place? Why the coy disguises if not because we were without eyesight, or as I might say, without insight, not realizing the common logic of it. Heat then is indeed motion, and since that comes in degrees of, heat must logically be in and by degrees of movement. Logical is it not? And where it is said: "*All forms of energy are associated with motion,*" it should have been: "*All forms of energy are motion.*" And for another quotation, "*Heat is a form of energy, but it is energy in transit. Heat is not a property of a system.*" If heat - as said - is a form of motion that can only be in transit. What is the logic of that? And so it appears - we are in need of insight. Atoms are said to have movement, in other words, they have energy, which is motion, and motion being heat, or heat motion, how is that movement of or upon that atom not any property of it? And yet again it is as said; "*not a property of it,*" since heat itself as such is but a sensation, a property by interpretation. If anything were idle, it would be devoid of energy, but then it could not exist in the first place. But having movement that then must be a very part of it, if not its main part. Or how can a "system" be a system without movement? What is "system" if not that term invokes motion as well as coordinates as the very ingredient of it.

Another quotation: "*In general, when two objects are brought into thermal contact, heat will flow between them until they come into equilibrium with each other. When a temperature difference does exist heat flows spontaneously from the warmer system to the colder system.*"

This person tries but is still hung up on that notion as if something is given off when two movements equalize themselves.

The word "thermal" for example should have been "physical." And instead of "flow" the term diminish would have been better. And so allow me to accurately display what heat really is.

Rate of Movement to Sensation: That my dear reader is what heat really is, we sense movement as temperature, just as we sense or interpret lengths of movement into light, and the angular deviation of those lengths into color. And the coordinates of movement into smell as well as taste. Even as sound is our interpretation by movement in vibrations, and we in turn produce vibrations that by others are interpreted for sound. For it is by what we interpret that all things are as they appear to be.

And so let us backtrack to basics. It was asked quote: "What causes the Sun to give off Heat?" To which I must answer "That is does not give off heat." Since that which the sun does bring to us through the cold of space called light is not light, but rather the innovation towards light. It being nothing more than a mechanical innovation that we in spirit come to interpret into a beholding, and that beholding is light unto us.

And so now that we have made a difference in light and the means by which it comes about, let us speak of that mechanical innovation how that comes about and the heat by the sun. The order however by which to educate us in the norm of heat that comes of and by light, we must first understand what that mechanical something is and how it travels. We have it correct that it appears as waves in lengths of. In reality it are circular formations in lengths of - that are driven forth through space around the atoms in their path. And that they make contact with each atom in their path is obvious from that wet haze on a warm road where the atoms are spaced further apart compared to higher up whereby the trajectory of the light changes. What the sun therefore brings to us are segments of angular movement (like unto codes) at the speed of light that for their rotational trajectory come to a very high rate of rotation. As then these strike upon the format of any atom too large by which to circumvent them, as they do for the atoms in air and space, they increase the general movement of these atoms.

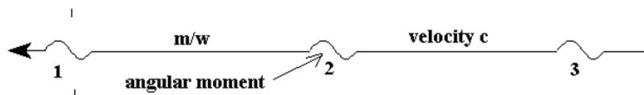


Figure 1

Illustration figure 1 here compliments both man's scientists and me. Man has it that waves are continues, when of course no wave is ever continues. Since however these waves as segments of rotational format are always imbedded or imposed upon nature's fundamental magnetic movement, and driven by it at the speed of constant it will appear as illustrated, namely as part of a continues line. Each segment then is separated from the next by a distance relative as to how fast these were imposed upon that line of movement. This can be compared to a transport band upon which boxes are placed, The band moves at a constant speed, the number of frequencies then will be as to how rapid one can place boxes upon that band. The number of segments that can literally fit upon any line at that great speed of constant, like between 1, 2 and 3 can be anywhere from many thousands to billions, but it is literally impossible to fill it to the full. An indent requires a stop and go, or forward and back movement while the line passes at full speed. The best that can be obtained is half frequency. The same comes to compliment our eyesight. When we view a green bush at some distance - how is that seen? The wave segments of the bush in its green color comes to us by mere segments on a line that is more empty than anything else. If that were broken up, to be segments only - how is there a connection between us and the bush? The segment (code) alone may reveal green but not the bush. These are like unto indents imposed upon nature's fundamental movement, that is not only forever constant in velocity, but a power as well, and as such these segments for all reality are part of that line of movement. And as it is by magnetic that most things come to their

being, so these are driven, like simply going along for the ride at full velocity of constant. That is also why all waves for their true velocity pass through all media, and all densities at the velocity of constant, with only their relative velocity, their distance in time curtailed by their angular momentum known in lengths of. The sun thus does not bring heat but rather it generates it upon the larger atoms by means of simple movement, by angular momentums at high speed and rotation. These segments (that man calls photons) are not heat - nor do they present heat, nor are they sensed as heat. For the many billions entering into our eyes we feel no warmth, nor are we burned by them. And so it is that heat as a sensation to movement is not just by any movement - but by a particular form of movement. And the sun as it appears to be hot is only so for the appearance of it. Some of the angels in heaven put on fire as raiment, shall it then be hot for them? Not so, since heat as warmth is by interpretation of physical beings like us and the animals, not so by spiritual beings.

This, putting it short and simple is wisdom. This is understanding, and also by revelation, by God's gift unto the sons of the earth that these may have understanding to become into the image of Him. And He blessed me to relate these things to all the earth. It therefore is not in my cunning, wherefore grant your Creator the praise of it. Does it not make common sense that all of nature comes to us by sensation, by interpretation? And how all interpretations are from and by movements? For to realize these things is wisdom, as in understanding rightly. What for example might possibly be in the atom to account for heat? It is not green cheese, nor any particles, nor anything of a material nature. But as the illustration figure 2, here shows - in a single atom there is no reality of heat. It is in the "general movement" of parts whereby heat is conversant. And general movement does not usually come about but between two or more. The nature of heat cannot be in the speed of the eight of force, nor in the magnetic movement passing in eight, for that movement is of the fundamental power, and not as such any general movement.

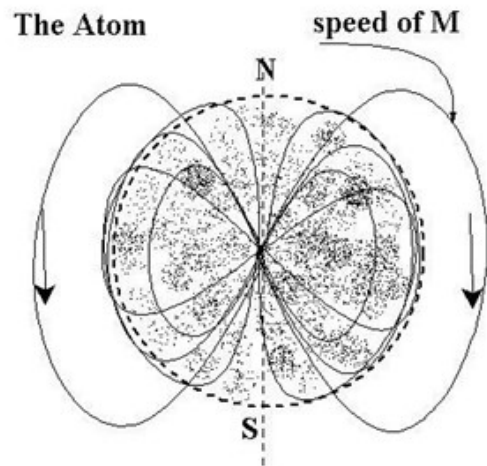


Figure 2. The atom with its magnetic field

Notice how these circulars have a twist in them whereby they come to resemble the way in which we write the number of eight. And that for its unique being becomes and is a system of movement, like coordinates, forming patterns. And that pattern is unique, and essential for all things in nature to come about, since it presents the two factors of movement, namely Linear and Angular. That angular by its format in eight becomes what we term magnetic as the one and only entity in nature whereby linear power is produced in all that is fundamental, not pertaining to kinetic movement, as secondary means to movement. Accordingly when warmer air comes in contact with cooler air it is like two wheels at different rates of revolution equalizing their rate of speed simply by contact. And that contact is the equal by which magnets attract and repel, in other words conductive movement and at that directionally conductive.

Nothing whatsoever is given off, nor produced by that, no Dutch cheese, no green cheese, no heat, no cold, no waves, nor anything that we would like to fantasize into it. It is no more than a change in the rate of speed for both. And it is "the rate" of that speed in movement that we in our spiritual nature interpret for different temperatures. In all essence no different by which we see and hear, taste or smell. And for us to look upon the fundamentals thereof is simply to look upon any magnet for its movement. Does that explain it? Are we now the wiser? We ought to be for what more can I say to clarify these fundamentals of nature for us? In my judgment I am being quite clear for the mind of man to absorb that of which I am speaking in terms that are most common to us. I am not man's average scientist, nor physicist, nor did God appoint me to be a preacher. Nor do I speak like them, nor is my education from anything of this world.

HEAT AS GENERAL MOVEMENT

Now that I have linked the cause of heat to general movement, am I right, or am I wrong? For evidence let us investigate the practice of refrigeration. Quote: *"The refrigeration cycle is based on the physical principle that a liquid expanding into a gas extracts or pulls heat from its surroundings."*

To correct upon this is when a liquid is expanded into a gas; its general movement is slowed down. In other words, in expanding it does "not" pull heat from its surrounding, but loses it from its own self. For how else will it be cold? While when it is compressed with the atoms driven into one another a greater general movement will take place between them that as such comprises to be heat. The simplicity is that when there is no longer a force driving anything things slow down, and slowing down in general movement (G/m) is equal to the decrease in temperature. Our own law states quote: *"The second law of thermodynamics states that energy always flows from a warmer body to a colder body. Therefore, air conditioners are always absorbing heat energy rather than releasing cold energy."*

This of course is not correct, there is no such thing as cold energy, it's simply the lower rate of movement. With the atom/molecules forced apart (expanded) its own so-called heat energy (G/m) simply slowed, it as such vanished, for which cause it is now very cold to our sensation. Then as we blow ambient air over it we are slowing down the G/m of that air. The refrigerant at that point does not absorb heat, if it did it would not be cold, and yet again by figure of speech it takes on heat as the warmer air transfers its G/m to the radiator, and I did say radiator, not the gas. Meanwhile part or most of the G/m of that air is simply slowed without transfer. Then as the gas is compressed back into a liquid we are introducing heat (G/m) into it by compression that then for much of it is dissipated by blowing cooling air over that radiator. In all essence we need but a single cycle to cool the air we wish to cool by vaporizing the refrigerant since that slows the G/m. But in order to do so the liquid must first be at high pressure, and that is the drawback in air conditioning. And so like our internal combustion engines that are but 40 to 50 percent efficient, so are our air conditioners, as also our electrical generators. In order to get to number 2 we have to add 1 to 1 to accomplish it. If then we enumerate where and how G/m is found. A flame is the restructuring of molecular substance that as such instigates G/m. The flame itself is the high movement in that G/m - seen only because of the wavelengths comparable to light that are produced in the violence of that restructuring.

Light itself as the mechanical innovation of it for its high movement linear as well as angular as such rattles the cages of the greater atomic structures so increasing its G/m. It may increase the speed at which the movement of eight proceeds upon these atoms. If so there would be an expansion of the substance, like hot air above a roadbed, The eight of movement itself upon a magnet or the atoms however does not produce heat nor is it felt as heat. That as such is not general movement. Rubbing hands together increases warmth for in so doing we increase the G/m of the molecules of our skin. And to bring two measures of air or any substance with different degrees or rates of G/m will do both, the lower to slow the higher, and the higher to

speed up the lower. In other words I am contradicting man's law where he states that quote:

"energy always flows from a warmer body to a colder body."

Man may have a point in wherever there is a lack of driving force movement will always slow down or come to a stop. But with two different rates of movement making contact each one will attempt to bring the other to its own rate of movement. So it is not all cut and dry as by sight deception we tend to make it out. The same is seen at any positive contact to any negative contact. These being rotational movements in opposite direction of rotation from one another; each attempt's to bring the other to its own mode of movement. So also it is that no negative can ever be attracted, nor repelled from any positive. And that as such does destroy man's version of the atom. What general movement now might there be in air at the oxygen and nitrogen atom/molecules to maintain or absorb warmth? It is a gas and as such a deterrent to warmth. The light of the sun finds no terminal on these parts wherefore it is not heated by the sun. Yet there is a small degree of G/m in that these elements as the atoms of air are of a dual nature, and as such when heated by transfer retains that G/m to some degree. In ice when the two elements bind themselves together they are very stable settling down to little or no G/m, about as efficient as gasses that have room to themselves whereby to alleviate the G/m between them. The G/m in fusing hydrogen to oxygen (H₂O) is short lived, but with great expansion serving to downgrade the G/m.

It is astounding how all these things work together by and in movements, and to rates of movement complimenting each other not only by rates of but by direction as well. Especially the atom how for its magnetic nature it varies its polarities by these very rates of movement. When at higher speed its parts float along one another with little attraction to one another. (Water) Then as the internal movement slows down these come to lock themselves together. (Ice) Increase their rate of movement and these will drive themselves apart magnetically into steam. Compressing the steam is to drive its magnetic atoms into one another against their repulsive force, that when released moves the train. Burning gasoline in our internal combustion engines is a bit different in that the pressure is by the expansion of magnetic rather than by repulsive action.

PRESSURE

Quote: *"An increase in pressure can cause an increase in temperature. This is because an increase in pressure increases the amount of effective collisions between molecules, which increases the rate at which the molecules move and the speed of vibration, leading to an increase in temperature. High pressure in the middle layers of the atmosphere acts as a cap, allowing heat to build up at the Earth's surface."*

Collisions between molecules or atoms, rare as they are have nothing in common with heat or pressure. Nature is not conversant with particles as it is with coordinates of movement, and these in their confrontation produce the variants. The factor to heat lies more in what I termed "RAM", Relative Angular Movement. Like a virus for its variant invading a molecular cell, and these by their differences come to RAM. The same takes place in our atomic power plants whereby water is heated into steam, particles or collisions has nothing to do with it. And so it is upon the Sun and any planet for their interior. This may serve as a hint in how and by what stars and planets are self sufficient, or regenerative as also a term. Always remember the first in fundamentals, how before anything else the Almighty Creator called for a movable power to come into existence. And that by process of came to what we view upon any magnet, the ideal of angular movement forming linear movement, as illustrated by figure 3. As that fundamental movements proceeds by a figure of eight, from both sides of that atom or magnet - the direction of movement is incoming at the south and outgoing at the north, consequently there is now a linear movement. And that being conductive, it links with others. And being directionally conductive it will push as well as pull, attract and/or repel.

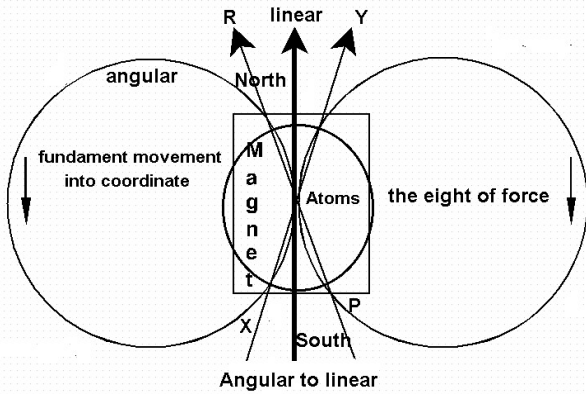
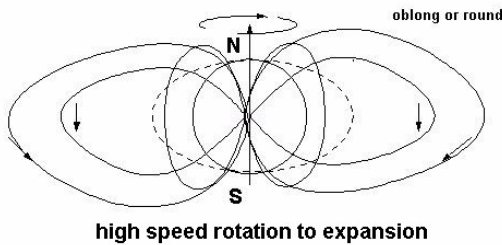


Figure 3.

EXPANSION

By quotation: "What is the underlying cause of thermal expansion? As is discussed in *Kinetic Theory: Atomic and Molecular Explanation of Pressure and Temperature*, an increase in temperature implies an increase in the kinetic energy of the individual atoms. In a solid, unlike in a gas, the atoms or molecules are closely packed together, but their kinetic energy (in the form of small, rapid vibrations) pushes neighboring atoms or molecules apart from each other."

It is temperature indeed by which things come to expand, since temperature is heat, and heat is movement. And since movement is by speed or velocity high or low - so it comes to rates in movement. Does that make sense how when we refer to a pig - the terms swine, or four-footed animal, come to the same end? Therefore to cut short on all our fancy terms would it not wise to simply say; "Expansion is by movement in a higher rate thereof?" But how do these atoms by molecules and locked in grids at a higher rate of movement come to expand?



high speed rotation to expansion

Figure 4. Atom into expansion.

For that I made an illustration figure 4. At lower rates of movement as its field has angular momentum and/or the atom is caused to spin - its field of force spinning with it - maintains an average diameter. But as it is caused to spin faster and faster its field of force by centrifugal action is driven outwards expanding. And as they expand these are magnetically driven further from one another - that to our eyes appears as expansion. Since then the velocity of that fundamental movement is always at the constant of 300.000 km/sec so explosions come about. The underlying cause to any explosion is the high velocity of constant effecting the high rate of chain-reaction. Here we have it in a nutshell, and there is no error. But what it does mean, and implies, is that these atoms, as all atoms, must have a field of force, and how that force can only be what we understand by magnetic. And that this magnetic must exist by an angular movement that produces linear movement as well (Ref-figure 3) or else these would never group into molecules, nor ever come to any grid, nor ever make for any kind of substance. Does it not make perfect sense for a pig to have four legs, a rump, as well as a head, and nose - in order for it to be classified or known as a pig? Is my reader getting the drift? For it destroys all of man's work in respect to the atom. Nor is anyone able to find any kind of force nor coordinate of force that is like unto magnetic, that typical and very unique coordinate by which all magnetic is known, it for its unique nature of presenting both factors of motion - linear in addition to the angular. Nothing else in nature is like unto it, and nothing else in nature is capable of joining atom to

atom, as well as forming grids by which to secure openings between them. Nor is anything else in nature suited to produce expansion, nor is there anything in nature that does produce expansion.

Unless we cast all our theories about the atom into a bottomless pit, never to be heard of again, and accept what I was given to teach - we will never come to any real understanding of nature. For my word shown by everything in nature is confirmed by all that we may experiment upon. And to enhance our understanding of that unique force in nature our reference will be to figure 5. We all have heard of electricity, but none among knew what it was, even though we work with it every day. And since we have deposited our fantasies into that bottomless pit, let's get to reality. When we spin an armature with copper guides through a stationary magnetic field, we in all reality are picking up on these lines of magnetic movement and twisting them around one another - to make for braids, braids made of magnetic lines. Braids of magnetic movement. And what does a braid look like? It looks like figures of eight end on end. And that is exactly what that - so-called - electricity is - a rotating string of magnetic lines of force. Twist a rubber band and you have the format of electricity.

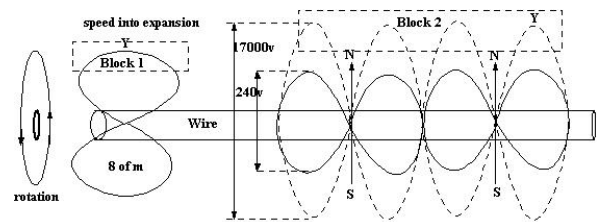
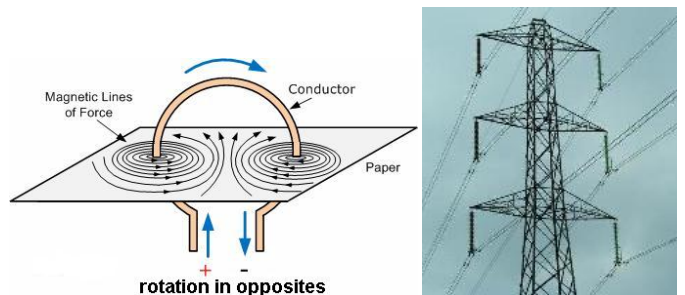


Figure 5. Rotational magnetic force upon a conductor

By the illustration at the right I show but two of those twists, and these are not separate circles, but each one is a full circular path by a pattern after the figure of eight. In other words, it's coordinate is a magnetic coordinate, as it can only be so, since we by the rotation of our armature came to twist magnetic lines over one another. There is therefore no cut off between any of them, but just as a barbwire braids so these braid. As then we have a look at figure 6, our own illustration of these magnetic lines, they seem to be rotating around the wire. And we being essentially blind to insight came to assume as if those magnetic lines around the wire were separate from the force inside of the wire. Blind indeed for we ought to know better from any and all other magnets, how the exterior is the very issue of the interior. And so they are. As then we show them as eccentric circles that too is mere appearance, not reality. The reality is shown by figure 3 and 5, for as the interior is by figure eights of force so is the outside. (Block 1 and 2)

The expansion here is shown from the solid lines to broken lines, one at a given 240 RPS (speed of rotation) with the expanded ones at the speed of 17,000 rotations/second, also called Volts. The volts of any circuit denotes is revolutions per unit in time. Ampere is likewise misunderstood, it is not a flow as it is the amount of quell.



Figures 6 and 7

There is never any real flow in electricity; it at all times rotates in place. The only flow to speak of is at the start, the very instant that the

circuit is turned on. At that instant the format, the pattern of that magnetic string goes down the line at near the speed of light. And so it is only for a fraction of an instant that there is any apparent flow. In order for anyone to test my teaching one can do so with any magnet held next to any single conductor. The rate at which that wire will vibrate back and forth to that magnet is the speed of its rotation, commonly known as voltage.

And why is that so? Look at the illustration each one of these twists; these figures of eight at their center produce linear movement - as any and all magnets do. Wherefore as that field rotates it alternately is pulled and pushed from and to the magnet held next to it. This of course makes hogwash out of our discovery of the electron, but then we already trashed that in our bottomless pit. And for more evidence to the expansion of those magnetic entities as they exist upon a conductor consider as to why the power companies hang their wires so far from the poles (figure 7) The faster the speed of rotation - so much the greater the expansion will be.

As then this is true for all magnetic fields in rotation - so the atoms come to expand in size - driving themselves from one another. But how or when is an atom able to rotate, and expand since not only that it requires room for it - but it must be free to do so. In gasses that is easy. In liquids that come to evaporation, like gasoline and water it is also easy. But in steel each atom is firmly held by at least 4 to 6 other atoms of the same with very strong fields that in all reality serve as a brake to their rotation and consequent expansion. When heat is applied on metals their cages may be rattled, with the atoms slightly moving back and forth in their elastic holds.

When prevented from spinning around the velocity of their fields may increase but that in itself does not come to expansion unless these become free to expand. The increase in movement upon metals will first of all produce the longer wavelengths of light, turning red in color, after which at still higher rate of movement the shorter lengths are produced, and not far from there the integrity of their grid will be compromised, melting as that is commonly called. The wavelengths of light alone emitted from it - all in itself is evidence that the atoms in steel are moved minor being sufficient to produce these waves. Here thus we have acquired a right knowledge into how any substance may or will come to expansion - that can only be of force when nature is constructed of magnetic entities, and no other way.

How is it that when we bake the dough of bread it expands if not for the restructuring and expansion of the molecules creating open spaces and all. And it is only by magnetic that repelling forces are found.

EXPLOSIONS

Quote: "Chemists have identified many factors that affect the rate of a reaction. The rate, or speed, at which a reaction occurs depends on the frequency of successful collisions."

And quote: "They move in a straight line until they bounce into another gas molecule or hit the container's wall, and then they rebound and continue in another direction until they hit something else. The combined motion energy of all of the gas molecules in a container is called the average kinetic energy."

There is no moving back and forth in straight lines as we vainly imagine. A rapid restructuring yes together with expansion, all of which proceeds magnetically. Introducing a single spark in gunpowder goes through the entire volume by chain reaction. As the waves of light are taken away at the speed of light, and that spark itself having the speed of light - it contacts its momentum down the road at that rate of movement.

Even though it is from one to the next, it multiplies like 2 to 4, then 4 to 16, and 16 to 256 etc. Consequently at that high rate and multiplication the entire volume comes to expand nearly simultaneously that to us appears as an explosion. It is not anything that the chemist make of it in the above quotations.

COMBUSTION

As all atoms are coordinate systems of movement so all molecules, and/or elements are coordinate systems of movements. And as there are many ways to change these coordinates, or as such to break them up - there are two essentials. First, another or invasive coordinate is needed - that for most fuels comes to the element of oxygen. Secondly a high-speed movement is needed to serve as an igniter, to as one might say rupture the coordinate. In other words, in order for the invasive coordinate to enter in or mix with the other a change in velocity is needed, be it linear or rotational. The spark of an electrical potential is usually high enough to near instantly increase the rate of either of these coordinate systems at their very basics. That as such serves as the breach by which the two coordinates come to interact by which a whole new coordinate may be formed like Oxygen and Hydrogen to be fused into H₂O. Or break up into two or more separate coordinates as done in combustion of hydrocarbons. In reality the high speed spark being a conductive (magnetic) movement by contact upon the internal magnetic movement of the atoms swiftly raises their velocity whereby they (as we have learned from figures 4 and 5) come to expand. This expansion then in itself does not lead to restructuring, but it does open up both systems, the fuel along with the oxygen to interact. As then this takes place simultaneously, and at the speed of light pass it on from one atom to the next by what we call chain reaction. As then that explosion is but small within a cylinder, it by the expanding atoms in their magnetic field is sufficient to by way of the resulting pressure push down the piston, And immediately after that repeat the same. The power pushing down the piston therefore is magnetic, and magnetic alone, since it is by expanding magnetic fields that pressure is obtained. And the reason as to how and why that piston can come to more than one stroke within a single second of time is to be credited to the high speed of magnetic, that is to say the high speed of nature's fundamental movement, magnetic lines of movement being born forth of it.

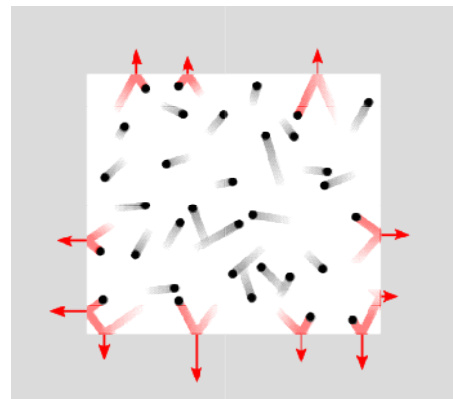


Figure 8

If now I may quote: "When substances are heated, the molecular bonds between their particles are weakened; and the particles move faster, causing the substance to expand."

Figure 8 is a presentation of what pressure is or comes about, but not my presentation. It is most illogical to presume that parts by simply moving back and forth could account for pressure or expansion. It seems as if we have never heard of magnetic, how that phenomena alone presents the ability to push and pull. A simple back and forth movements of parts does not in the least present any kind of pressure or expansion, it is not wise even to suggest the same.

It is said quote: "Pressure is the force applied perpendicular to the surface of an object per unit area over which that force is distributed." Then again: "Pressure is simply defined as the amount of force per unit area."

The last statement is the best of all, as it applies to all be it a weight on a table or the force upon the interior of a container. Magnetic may not seem to the culprit to the thinner air near a hot road-bed, still

it is the culprit in that the light of the sun as it heats the road-bed, the heat thereof by convection transfer it to the air molecules expanding their magnetic regions. This takes place close to the roadbed for as the atoms move higher up away from the roadbed mixing with the cooler air their rate of movement slows down again equalizing themselves in their new environment. Nothing at all is given off; it is simply in the rate of general movement. Movements of different rates by contact come to equalization.

RECAPTURING

Heat to expansion or pressure to expansion - both exist as both are systematic forms of coordinates in and by magnetic. Principally because their basic parts, called atoms, are magnetic entities that for their conductive nature forms bonds at and into specific directions of movements - that as such comes to systems of, or coordinates as I have the habit of expressing the same. With the steam locomotive it is the repulsive power of magnetic to drive the piston. With internal combustion it is magnetic expansion. Both of these boil down to magnetic power all the same. The air in a tire will at all times for its degree of general movement come equal to what the degree is upon the tire itself. With electricity it is the linear force of magnetic that is the power and does the work powering motors, etc. The electrical as the rotating magnetic field of force serves only to create the linear where and when needed. Within an incandescent lamp it serves only to vibrate or oscillate the atoms of the element. The power upon a jackhammer is by air pressure, but that pressure is made possible by the magnetic fields of the atoms of the air, maintaining their volume, and if pressed upon push back on it.

As now a table, be it of wood or metal, remains intact, it is to be credited to the magnetic nature of all atoms by which these are held firmly together, and the molecular openings existing in ice or wood or any plant is by the very same magnetic nature in its repulsive capacity. Movements of alike always join, movement in opposite of one another always disjoin. No particle of any kind, like man's illusive electrons, even if they were magnetic, would instantly cling to the core. And while we vainly looked at our solar system we gave them an orbital movement so as to keep them from falling into the core. That my dear reader may work in solar systems, but not in the atom. Any pressure from any neighboring atom would drive these so-called electrons into each other's path resulting into the destruction of man's ill-imagined theory.

THE HEAT OF THE SUN

Shall we speak a little more of the sun how it is so hot and at all times seem to give off so much energy? Would it not make sense that for all the energy it gives off that by now it should have been depleted of it long ago? For so many reasons. But not my kind of reasoning. Man interprets it by a crock called fusion, but I know better and am still contemplating if I should reveal myself. If I mention the key word I will have us wondering and confused unless I went through a lengthy explanation. And that is what is holding me back. I will say that there is neither consummation nor supply upon the sun; it is self sufficient, and regenerative in itself as are all stars. It can go on forever all in itself mainly because of a marvelous ingredient that the Almighty Creator set for it. The power of what I term "fundamental movement" is one thing of-and-by, which every atom came into being, as well as every star and planet.

How is it that there is so much pressure in the sun? And why is the earth a molten mass only at its interior having a cool mantle upon which God gave his creatures to have their abiding? What is the secret to it? No doubt man will have his versions all of which will be in error, the truth being so much simpler. But then things are only simple when understood for their reality. Therefore also King Solomon said. *"Whatever you get - get insight."* As then insight can only come from wisdom, and wisdom only from the Throne of God. When therefore we come to deny Him his handiwork, by something as stupid as evolution, why should wisdom be given, and how will I be induced to speak a word that cannot be understood without a lengthy explanation?

CONCLUSION

Anyone ought to know what my conclusion would be, but what of our conclusion? If knowledge is considered an affliction, with fantasy a taste treat - why bother to come to me? I have never dealt in fantasies, nor will I start, it would be an insult to my Creator, and no doubt my death - as it ought to be. If I in any way should conform to man - put me out of my misery, let Hades be my grave, for life would not be worthy of me.

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