

Ether-Physics and -Philosophy

First Part

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01.01. Objectives and Approach

Ether-Continuum-Theory

At considerations to rotor systems, questions came up concerning inertia, mass, weight, acceleration and deceleration. Results of experiments didn't fit to common definitions. So I made up considerations by my own, concerning fundamental terms of physics. After subject of Fluid-Technology (written in 1998, with appendix up to 2002), of Rotor-Technology (2000 to 2002) and Perpetuum Mobile (2001 to 2003), thus subject of Ether-Continuum-Theory (2001) was presented at this website.

Common understanding of physics only knows materia and 'fields'. More and more however, old term of Ether (Aristoteles, 350 BC) again is discussed. By this consideration, again common understanding is, there is materia at the one side and ether aside resp. there is ether between materia. Prevaingly, ether is thought as 'gas-like or fluid-like substance'. By these understandings, ether should behave like an ideal gas, on the other hand should show extreme hardness.

By these points of view, I also examined e.g. inertia and found, mass not only should consist of its material part but should include some 'Phantom-Body' of ether. It took some months to leave 'thinking-by-particle' (and everyone still is thinking 'by parts' resp. 'accepts' part-wave-duality). Only at later chapters, I managed to think all occurrences are only expressions of movements of ether within ether.

My logical conclusion was, there can exist only one single matter (really existing, thus by material sense). My 'bold' conclusion was, this single matter should have unique property (what's permissible as no comparable matter exists). This matter not again can be build by parts (otherwise logically same question would come up: which matter should exist between ether-parts).

So logically, ether must show property of partlessness, must be a real continuum, whole universe one piece of ether. Often, ether was described to be 'like a continuum'. However, nowhere I could read, understanding of ether is not only 'similar to continuum' but really existing continuum.

By understanding of ether as real continuum, all physical occurrences (materia, forces, radiation etc.) are only expressions of ether movements. On the other hand, this ether well can be medium for all other occurrences (spirit, soul, ideas etc.). Intension of my Ether-Theory is to show unity of materia and spirit, unified by mutual medium of ether.

Even more 'painful' than this conclusion, for me was that further consequence, also we - with our material like 'astral' body - are nothing else than 'only' a vortices-structure of ether. We even don't exist by certain part of ether - only 'whirlpool of ourselves' wander through space (while ether is resting more or less within space resp. is moving at larger structures).

These considerations I wanted to discuss at chapter 'Flowing Ether Movements' of my (old) Ether-Continuum-Theory, planned at early 2001, however adjourned again and again in favour of other (essential) workouts. Now at spring 2003, I can start with this subject, in order to describe considerations, conclusions and approvals in details by this (new) Ether-Physics and -Philosophy.

Physics and Philosophy

Sciences made major progresses and produced very useful formulas, on which is based actual technical civilisation. Physics offered explanations to most different occurrences,

outstanding physicist Richard Feynman however stated lots of facts, which up to now are not explainable at all.

Above this, known physics work with terms (e.g. like 'field'), which are defined only vaguely or even not at all. At Relativity- and Quantum-Theories one even is proud to work with facts and processes, which by 'normal' intellect or based at common experiences are beyond understanding.

I don't doubt, known formulas represent physical realities in useful manner resp. allow sufficiently technical calculations. With my Ether-Physics however, I just want to point at 'phenomena' not explainable up to now (or not even talked about). My objectives are to make physical occurrences and their true essence easier to understand (however not to improve formulas).

Thereto I here describe a physical theory at pure 'materialistic' bases, using only simple expressions of everyday experience. I present alternatives to common explanations of many physical occurrences and I offer quite new understanding to some phenomena.

A theory is the more 'true' the fewer axioms are assumed (while most assumptions are implied unconsciously or not named explicitly). I assume only three axioms apriori and name these precisely. I deduce these axioms from material facts of normal experiences. By strict logic, all other facts and processes are to deduce of these few assumptions. I will pay attention, no additional assumptions are implied occasionally resp. I ask readers to point at eventual logical errors like this.

Up to now I got impression, nobody shares my 'extreme' understanding of ether (as real continuum, whole universe being one single ether-'monolith'). It's to accept, many people can't imagine any movement within a material block (even one knows, also a rock lastly is nothing else than 'only' movement). Indeed, within that block no longer are possible all kinds of movements - only these 'laws of nature' allow resp. are by themselves.

It's difficult for readers without good imagination of space to get impressive picture of these (invisible) movement processes. However I'll do my best to visualize and to describe complex movements of ether within ether. Naturally it's hard to work with quite new ideas. However I'll use only simple terms of common speaking.

This workout is also called philosophy, cause worldview (also pure materialistic) always is mental subject. Just within last years, philosophy at western world made enormous progress and opinions of many people did change fundamentally, e.g. by many activities concerning 'Esoterics'. However, also there are used expressions but hard to understand and lots of confusing theories were produced.

Opposite to these 'spiritual' developments (nevertheless rather positive), fundamental other developments are prior expression of western understanding: ruin of ethic values. Turbo-capitalism and selfishness boom like never before, 'cleverness' is maximum idea, life seems to be worth to live only by 'events'.

By Ether-Philosophy I want to point out, also 'spiritual' occurrences not at all are nebulous aspects within many 'dimensions' anyhow within misty 'networks', but are based at concrete matter - real existing (in technical sense) ether. It's true, besides 'coarse-matter' occurrences there are also 'fine-matter vibrations', both only different movements within one single, real medium.

So it should become obvious, relation between materia and spirit (with dispute of priority for hundreds of years) is real fact, both existing parallel and mutually (not differed of each other).

If one realizes direct relationship of everything with everything, everyone with everyone, thoughts with handling and results, immediate kind, then this conviction has immediate consequences for ethic behaviour of everyone.

So at second part of these workouts, I'll try to explain also some 'spiritual phenomena', for at least some easier understanding. Naturally, these considerations are some more speculative than considerations about well known physical occurrences. Nevertheless, some readers might take some valuable hints of my 'philosophic' points of view.

Follow of chapters

So I'll write a 'book', chapter by chapter, just like it happens and I hope, lastly continuous line is visible. Naturally, I already have some central thread. I'll take and precise earlier chapters of Ether-Theory. However, lots of new chapters with new contents are to write, for one or two years.

Each section I'll present immediately at this website. At the one hand, it might be entertaining for steady readers, at the other hand steady feedback is necessary for me. By many mails I got hints and points of view and I always try to pick out importance for actual considerations. So 'coincidence' dictates which and how next subject is done. Nevertheless, sequence of ideas won't be 'by chance'.

My ambition at the one hand is, better understanding of real essence of physical occurrences will make possible to develop 'cleaner' technologies. At the other hand my ambition is, by realisation of real medium also of 'spiritual' occurrences, discussion about materia / spirit is grounded at an actual, 'material' bases. Naturally I do hope, thus ethic behaviour versus nature like fellow human being will change, if it's clear, anything isn't bound anyhow to anything, but directly connected by material reality.

So I here won't presents new 'world-formula' but I want to contribute to new world-view. I hope readers will enjoy following theses ideas. I express thanks for many hints - also in advance.

01.02. Real und Abstract

Thinking Abstract

Humans are proud being most 'rational' animal. Indeed by brain, we mentally digest sense impressions, plan further actions, critically judge results, consider carefully and decide again. Indeed during the day, wide-awake brain is talking monologs steadily, thinking continually (however most in circles). Indeed by this capacity, we got most successful species, at least by submitting world to human's rules (even with side-effects).

Our special ability is thinking in abstract terms, gathering common characteristics by abstract collective names. That's helpful for daily routine like for description of physical occurrences like for philosophic considerations. As examples might do these sentences: foods are cheaper at countryside. Fruits are essential for health. Mass shows property of inertia and weight. Gravity is attracting force between bodies. Men feel sympathy or antipathy mutually. Egoism is opposite of charity.

Only by using abstract terms we can untie from concrete single case and come to statements in general resp. judgements universally valid. This makes easier daily decisions, allows understanding of general laws, is practically prerequisite for any communication (like examples above exclusively use abstract terms).

Mathematically it's no problem, by these both 'earthly' values to extrapolate into universe for billions of light-years. However it well is question, if based at these two questionable values, results could be close to reality out there.

By Kepler/Newton-Theory was founded, 'attracting-forces' exists resp. a 'gravity-field' must exist. In reality however, only occurrence of weight at earth was made calculable (approximately). Already within sun-system, corresponding 'attractional forces' affect between each celestial body concerned - and mathematics are not able to calculate forces between only three concerned bodies in motion. In reality (but not often spoken about), even our well known planets don't bother about calculated tracks. So calculations beyond sun-system are not only purely theoretical but must be called pure fictions.

Above this, Richard Feynman (sorry, I have his book at my table at the moment) reports 'up to now, nobody could tell something about basic mechanism of gravity'. That's not quite true, however alternative statements (besides Einstein's 'bended spacetime') were not considered. As one doesn't know real foundation (above pure formalism), one can't assume abstract general validity of this gravity hypothesis.

Real fact is knowledge about mass-inertia of a body at earth: if in movement, body will go on moving same direction by same speed. If track of that body should be redirected, sideward force is demanded, e.g. if a body hanging at a string is forced to move at circled track around an axis.

It's real fact, this body must be pulled towards turning axis steadily. However, it's pure theoretical assumption to transfer matter of fact of this mechanical example analogue to mechanism of celestial bodies. Never ever anybody could make out attracting forces - one only can see occurrence 'as if' earth is guided at a string, turning around sun.

By rash defined term of gravity-field, science did withdraw from task to find real 'mechanism' of this effect. Official science didn't check considerations analogue to movements of bodies within fluids, did not even take notice of presented, precise discussions based on fluid-technology (real essence of gravity is discussed later).

Model of Atom

In spite of that unsolved problem, previous mechanism was transferred onto most small dimensions, as diverse electrons (planets) turn around atomic nucleus (suns with different masses by rather same diameters) in common understanding of atom model.

Negative electrons keep distance based at repulsion of likely charges, at the other hand negative electrons are fixed at sphere-like tracks by attraction of positive protons of atomic nucleus - and everybody well knows phenomena (no, dilemma), that all likely protons of atomic nucleus keep together by incredibly forces, instead of flying off immediately.

Also there, one well knows many 'natural constant values' and is able to calculate mathematically exactly. However again, one introduced 'electromagnetic field' as abstract term, estimated its purely abstract definition and its (limited) possibility of calculations and 'forgot' to search for real backgrounds.

Just with concern to electromagnetic waves, meanwhile idea of 'light-ether' came up. However, experiments were designed wrong and results were interpreted insufficiently, so lastly ether was superfluous by Einstein's bended spacetime (and Einstein's later arguments for existence of ether officially is not noticed up to now).

Outsiders well could have impression of some humour, as physicians keep secrets untouched for following generations to solve.

Connection to Reality

This chapter pointed out, for rational (brain-like) worldview we are bound to use abstract terms. Nevertheless we must differ situations, where we talk about concrete reality and where we mentally handle only abstract terms.

As soon as results of considerations are no longer approved by direct real facts, it's not allowed to extrapolate further on or to transfer analogue to other subjects. Mathematics are very helpful, however each step of calculations must fit completely to real experience, otherwise it's not allowed to calculate further steps.

If there is only 'appearance' of an effect, it can not be considered as real fact - and not at all can be considered as established fact when analogly transferred to other cases. At least, if assumed effects (like attractive and repulsive forces above) are contradictory within smallest dimensions (like at atom model above), reality and abstract terms are mixed up totally wrong.

Previous examples demonstrate damages, which come up, if abstract terms are installed too early, 'became independent' and were extrapolated and analogue transferred to other problems, so wrong results are produced inevitably. These hypotheses of gravity and atom are graved into brains thus hard, so other explanations are rejected before thinking about. Steady usage ('naturally' but un-reflected) of terms like this, prevents researches for basic realities.

Naturally I will show at both examples, which results are possible by other kind of approach and above this, I will show explanations to many other problematic 'phenomena'.

01.03. Real Certainty

Appearance and Existence

An esoteric bented aesthete might enthuse about: 'there is confidence, hope, life, will, substance, motion, power, reason and effect'. A real materialist is terrified about that stuttering and asks: 'what, by which, how, when, why and what for'. A scientist soberly states: 'there is materia, energy, movement, power and no effect without cause'.

Scientific correct approach is to check statements above: what's certain experience of real existence and what's only mental, abstract 'representative' expression (term agreed with explicitly defined meaning or only 'empty word'), so to differ between real and only mental 'truth'.

'Ex oriente lux', truth is coming from eastern enlightenment, even western world likes to 'limit' at old Greeks. Astonishingly progressive e.g. seems Demokrit, who saw everything based on atoms. Opposite, Aristoteles looks rather old-fashioned with his four elements of earth, fire, water, light plus fifth 'Quint-Essenz' of his ether. Heraklit's 'panta rhei' again sounds up-to-date, like actual flowing, appearing and disappearing. Platon became rather unpleasant by putting us into caves, riddling and discussing about shadows of reality not visible for us. Even more worse unreasonable demand of far-east worldview appears, claiming all estimated reality nothing else than illusion would be.

Finally modern science did stop riddling about real characteristics of different occurrences, e.g. of construction of materia.

Material Parts

One scientist 'relieved' us from illusion of air being 'esoteric element', by approval of

material air-pressure by his two half-spheres. An other scientist put off candle-light by simple glass, thus discovering nitrogen. Water no longer is considered 'esoteric elixir of life' cause discovered as H₂O (even this mixture of two gases still is wet).

Unlimited variety of material occurrences lastly was reduced to some 80 'chemical' elements (plus some few more, some less durable substances).

This clarity of different substances again was reduced decisively by knowledge, lastly all atoms only are based at different numbers of elementary particles, atom's real constructional elements. So everything is constructed only by both stable particles of electrons and protons, plus some neutrons. Electrons turn around nucleus at different tracks, also nucleus is steadily at turning movements.

For some short time, world was organized by simple structures, materia (resp. also 'esoteric element earth') was reduced to few, real existing 'bricks'. Same time, everything is in motion, thus materia in reality is never resting.

Even 'esoteric element of light' was discovered as photon - even up to now it's uncertain, whether there are parts moving ahead or only waves are spreading within space (thus it's still question, all electromagnetic occurrences are real parts or 'only' waves). Besides lots of detected radiations, now are assumed resp. probably approved also neutrinos are stable particles.

Quarks & Co

'Intact' world of atom-model was disturbed rather fast by understanding, also elementary particles lastly are not really constructional elements of all substances. At first, some 'quarks' were detected, afterwards more and more, now more than hundred are known and there is no end. Previous elementary particles now represent only special mixtures of these new basic 'bricks'.

However, practically all of these 'stones' have extreme short lifespan, are changing from one occurrence to the other in steady metamorphosis (like old Greek told). Lifespan of some particles takes some seconds, most parts however 'exist' only nanoseconds or much shorter.

So there is question in general, short-running occurrences like these can be considered as real existing substances at all. Above this, these 'constructional elements' are defined by properties absolutely insufficient for description of real substances: up, down, strange, charmed, bottom, top (those terms however would fit well for description of movements, especially for steady 'interplays').

Unsharpness and Probability

Completely destroyed was impression of concrete materia, build of real particles, by detection of Heisenberg's Unsharpness-Relations. Electrons around atomic nucleus are not to determine exactly, only actual location or only speed of electron is to measure, never both values same time. So there remain only probabilities - instead of certainty.

Mathematically all that stuff is to handle without problems, all values of all atoms and particles are determined exactly, everything's fitting, all 'natural constant values' are approved by multiple counter- and cross-calculations. Nevertheless, every calculator well knows, 'useful' constructed set of formulas allows everything to calculate and every given basic factor reversive is confirmed. Possibility of calculations about any subject, by itself, doesn't approve result's relation to reality.

So science did search for real existing constructional elements of all materia - lastly didn't find anything than abstract values of probability-calculations. So it seems rather 'courageous' to consider these understandings as most possible true picture of reality.

Something in Motion

By criteria mentioned earlier, one must differ strongly between terms describing certainly real occurrences and abstract terms useful only for mental handling or communication. By this point of view are to consider as certain knowledge about real existence only two facts: 1. there is something and 2. there is motion.

These are two of three axioms, I mentioned earlier. First: substance is real perceptible fact. Second: movement is real perceptible fact.

Third axiom is based at fact, nobody can tell why - for heaven's sake - something should exist or should be in motion. As homo-sapiens we are not able to assume existent things without cause for its existence, as homo-faber we are not able to assume existent things without its production process. In concern with this, our dilemma in general, we commonly use term of 'God' as founder and producer of universe. Even some don't like to use that abstract 'empty word' (cause we are not able to define more precisely, based at our limited view), this assumption still remains unexplained - an axiom.

One Thing and many Movements

It's question, how many different kinds of substances are existing. By 'chemical' view, there are as much substances as chemical elements, its variations and all possible combinations exist. That's enormous variety of all material occurrences.

Searching for basic original substances, this number was decisively reduced to few different elementary particles, afterwards however extended to probably numberless different sub-elementary particles.

By earlier mentioned criteria resp. generally agreement is, a theory is the better, the less input values are assumed. So instead of assuming many different substances, best solution would assume only one single thing as basic substance of all occurrences.

Obvious huge variety of occurrences (also below elementary particles) then is to assume as unlimited possible forms of movements of that single substance.

First however, just introduced 'empty word' of this 'single-one' is to define more exactly. By statements above, valid is only fact: there is some-thing and some-motion. If now I claim, this some-thing is only one-thing, so this is pure mental abstraction.

However, just knowledge of Quantum-Physics approves this logic conclusion by two occurrences. First, sub-elementary particles change shapes within shortest times. While these most short intervals, no real, distinguished 'substances' can really be build, but well could one real substance change its movement's characteristics within these short intervals.

Second, there exists unsharpness while watching electrons, based on Heisenberg's Theory, today however well known by real 'pictures' of atoms, showing 'cloudy' shapes. This unsharpness would not exist, if different and separated substances would really exist. One single real existing substance, differently occurring only by locally different movements, indeed would be hard to 'located' sharp, however movements would produce only unsharp, wandering reflections, thus result 'blurred photos'.

So it well is to assume as real certainty, it exists indeed only one single substance, which however must allow most different variation of movements. This Ether-Theory is based at

these two axioms (plus above axiom of 'God'). As described later, this basic understanding allows to describe clearly physical phenomena resp. explains occurrences as inevitable consequence of these properties. So assumptions of this Ether-Theory are also approved by results.

01.04. Everything and Nothing

Table and Apple

Everything and Nothing are philosophic terms, so 'elementary' requisites of philosophers are demanded: a table and an apple. Esoteric aesthete above immediately enthuses harmony of colours and charisma of apple. Real materialist above is hungry and takes the apple - apple disappears, nothing left. Scientist above states, materialist obviously did satisfy his urge (however he refrained from explications about real chemical-physical processes of this emotional process).

Real philosopher however needs real processes not at all. By pure mental forces he imagines that table and this apple. He is conscious of thinking about this constellation. He doesn't doubt certainty of existence of both objects (if they would be real instead of only imagined by his fictive experiment). He draws evident conclusion, also he as watching subject objectively is existent, not only fictively but also really.

Meanwhile, esoteric aesthete enthuses about beautiful grained table and which wonderful materia wood would be. Now, scientist explains, wood is no 'materia' but exists of cellulose, mostly of carbonhydrogens etc.

Based at previous chapter however, I deny table like apple to exist really, cause only that single something by different movements produces appearance of both occurrences. Indeed, that's most extreme abstraction, however based at previous only valid understanding of really only one-thing's existence and its various movements. By this One lastly exists All, only its different movements result impression of all different stuff.

Patterns of Movements

Different occurrences differ only by different patterns of movements. Movement-patterns of material bodies can't mutually penetrate each other (apple keeps resting at the table, regardless of his weight). Material bodies show different stability (if apple hits hard onto table, apple-mush could result). Also molecules resp. atoms are mutually impenetrable patterns, however can be mixed up (e.g. gases of air or mixture of fluids).

Above this, there are physical movement's patterns, which can penetrate into or through other patterns or are reflected by other patterns, e.g. electromagnet waves. Light of sun e.g. is reflected by table like apple, by the way into eyes of viewer (and / or warms up materials). On the other hand, x-rays e.g. could penetrate more or less material parts of table like apple. Electric flux however can not run though dry wood but well through wet apple.

So only by different shape of movements of ether, different physical occurrences result, those of different density of material bodies, but also those of real effects of physical forces, not only of mechanical kind, no matter regarded as movements of particles or waves.

All

These statements not at all are only philosophical understanding. At main sections of this workout, each pattern of movements will be described in details, as totally real motion of totally real original substance. Philosophically extreme abstraction however is statement 'All

exists of that One'. This single substance, at the following is called 'ether' (at the moment as provisional 'empty word', until this term is defined precisely further down).

So we come to original subject of this chapter. Apple above - regardless of its real existence of ether - as subset could be included into superior, thus abstract terms like food, plants, living-beings, earth, sun-system, galaxy, universe. Each of these subsets resp. abstract hierarchies however are embedded in collective term of 'all' (more than every things), thus 'all' includes maximum of real and abstract range.

Nothing

There is only one term with even larger contents, word 'nothing' that already appeared upside. After hungry materialist had eaten this apple, nothing left at this table. This statement is not correct. Correct statement would have been, now no apple exists at the table.

It's allowed to negate, e.g. 'it exists no fruits'. This limited negation however means, there is all - besides fruits. General negation of unlimited 'nothing' however excludes all - not only existence of real facts but also existence of abstract terms.

By this meaning, 'nothing' includes more than 'all': it even excludes 'existence' or 'being' resp. possibility of 'it is'. Philosophically resp. by strong logic, 'it is nothing' is contradictory by itself.

So it's to state: as soon as there exists certain knowledge of 'there is some thing', i.e. 'there is being', then statement 'it is no thing', i.e. 'there is not-being', no longer is possible. To many readers these considerations might look like 'lawyer's splitting hairs'. Un-logic of 'nothing' however is easy to demonstrate by concrete examples.

Vacuum

Modern science of physics called considerations about existence of ether 'naive mechanistics', has replaced concrete ether by abstract terms of 'fields' or 'space-time'. By modern physic-theories, universe is 'filled up with vacuum', so universe is a space with at least extremely diluted materia, practically some softer definition of 'nothing'.

Within this 'relative' nothing, electromagnetic waves wander. It's questionable, whether there are particles running through space or waves resp. for safety's sake abstract term of part-wave-dualism is concepted resp. accepted. At any case, eventually remaining part of real materia is not thought to be medium for spreading of electromagnetic waves.

By naive mechanical understanding, waves are movements. Now, movement logically demands motion of something. Even if statement 'it is nothing' (within vacuum) would be accepted, statement 'it is moving nothing' speaks for itself. If mechanistic is called naive, then this 'courage for abstraction' must be called voluntary fiction, lacking every logic like real foundation.

Opposite, if instead of waves however would run concrete, real existing particles (photons, neutrinos etc.) through 'empty' universe, two questions comes up: of which substance photon is part resp. of which substance photon is build of. First: photon-parts are part of all materia, like a brick is part of a house. Second: bricks are made of loam - and photon-particles are made of 'nothing'?

Even statement 'photon-particles are made of nothing' would be accepted: why should this 'assembly of nothing' not dissolve immediately into rest of nothing of universe-wide vacuum? Common answer is: cause attractive forces of atomic nucleus keep electrons together - however, photons have no nucleus. So what ever should photon-wave or photon-particle protect for diffunding into nothing, not only by square of distance, but immediately?

Attractive Forces

At previous chapter, attractive forces of gravity already were mentioned. Corresponding attractive forces (however much stronger) are defined as property of electric fields between likely charges. Above this, strong nucleus-forces hold particles together (again essentially stronger) and are essential property of atomic nucleus. All these abstract terms of attractive forces are based on - insufficiently interpreted - naive mechanistic.

Analogue to gravity effect as an example was mentioned that ball, turning around an axis, guided by string. Into radial direction towards fulcrum is demanded a force - however this force not at all must be pulling force (like done by string). If this ball would roll alongside a round wall, ball would be pressed into circled track likely.

So not at all it's compelling consequence, circled movement or keeping-together could only be done by 'attracting forces'. Opposite, it's mental arbitrariness to assume attracting forces (analogue to mechanical processes, one of diverse solutions) as exclusive possibility.

By example of string it's imaginable, pulling forces could really exist. At later chapters however I will describe, this holding-together of materials (until breaking point) in reality is result of pressing-forces of ether.

If now however, attractive forces of gravity, electric charges or of atomic nucleus should affect through 'nothing', over distances, so this is quite impossible to imagine. It's not allowed to introduce abstract terms, besides collective terms for realities. If there is nothing else but 'appearance' (working likely to simple mechanism) - attractive force is nothing else but 'empty word', unjustified fiction.

Pressing Forces

There are clear alternative solutions, as shown upside by mechanical example of that ball, rolling alongside a round wall, thus pressing ball into circled track. There is an other example, totally real and important, discussed intensively at my Fluid-Technology: effect of suction. Suction is a shape of (apparently) attracting force within fluids or at solid bodies within fluids.

Suction is an area with relative less density - however this suction by itself doesn't affect anything. Movement exclusively comes up, as particles of neighbouring areas of higher medium-density fall into relative 'vacuum'. However, in sum no stronger movement (no higher kinetic energy) results, only directions of movements are other kind (by majority showing into same direction) and distance of each molecule's movement becomes some longer.

New appearing force (only towards outside) is caused by steady given, normal molecular movements within gases and liquids. Effects of forces come up - but energy (sum of kinetic energy of all movements) remains constant. Only little bit other kind of movement of concerned molecules results appearance of 'attractive forces' of suction - which in reality however is based at normal pressure forces within medium.

Physical Fields

Known 'fields' of different kind are mental matrix, into which each direction and value of physical force is marked (resp. is to calculate by compressed shape of corresponding formulas). This abstract arrangement is useful for calculations about effects of these forces.

However it's not allowed drawing logic back-conclusions from abstract, mental tool onto real effect of forces and assuming abstract nothing as medium. This empty word 'field' was introduces provisionally, only cause one was not able to define properties of medium corresponding to real identified effects of forces. Cause abstract calculation-techniques did produce sufficient results, one 'forgot' to search for basic realities. Nevertheless it won't be

useful for searching truth of real medium and processes by installing abstract terms like 'nothing' or as a precaution assuming 'vacuum'.

Space-Time-Continuum

As essential progress was celebrated abstract design of 'bended space-time-continuum' 1905 by Einstein, where existence of ether was declared 'superfluous'. Totally 'forgotten' resp. neglected are Einstein's later publications, e.g. of 1925: 'There are grave arguments for ether-hypothesis. Complete negation of ether would mean, empty space no longer would show any physical qualities ... based at General Relativity Theory space has certain physical properties; so by this sense there is ether existing. Based at General Relativity Theory, space without ether is unthinkable'.

So also Einstein did recognize logically clear, by 'nothing' indeed will remain just nothing in total. It's remarkable, space 'based' at his theory should show this or that property (so also he deduced from abstract terms to reality, like above at common interpretation of 'fields'). It's logically not quite understandable, that it should exist ether only 'by this sense' - if next sentence space-without-ether is called 'unthinkable'.

Old term of ether as name for real substance was 'cancelled', cause one could not find nor define proper properties of medium for diverse physical occurrences. (Supposed) negative experiments for approval of ether like all theoretical considerations are based at one, not mentioned but steady present assumption: here is materia resp. are particles and around these 'matter' of facts is - probably - ether.

This permanent demarcation resp. thinking-by-parts blocks researches for 'proper' ether up to now. However, today it's no longer quite naive to think about real substance instead of thinking about abstract nothing.

01.05. Space and Time

Space-Time-Continuum

Thinking about space and time is superfluous, cause everyone knows we live within bended, four-dimensional space-time-continuum. Everyone knows picture of dented plate and knows planets thus falling around its sun at circled resp. elliptic tracks. However one may doubt if anybody - inclusive Einstein - this nice picture could imagine in total reality. Appropriate science generously renounces to imagine concretely also fourth dimension. As a substitute three space-dimensions mentally are reduced to two in order to make time-dimension 'visible', thus totally abstract operations are necessary for 'concrete' understanding.

This worldview is generally accepted opinion, regardless of various criticism and precise hints to inconsistency. Presented approvals for relativity-theory were also 'relativated' by many authors. I won't add further comments of this kind. However, I will discuss Einstein's statements of 1925 (see previous chapter), where he made three findings (by these words):

- Total negation of ether means, empty space no longer would have any physical quality.
- Space however has physical qualities, so by this sense ether is existent.
- Space without ether is unthinkable.

Previous 'by this sense' is only to interpret that kind, Einstein's space has physical qualities, which all are contributed by ether resp. which all are represented by ether. For space by

itself, thus only physical quantities would remain (cause common understanding is, quantity is single complement of quality).

These are most interesting aspects and it's only question, which physical qualities are contributed by ether into this space-ether-construction and which physical quantities (besides common length-width-height) space by itself contributes. 'By this sense' (using Einstein's word once more), one simply could state: there is ether with certain properties within a totally normal, three-dimensional space.

One could follow unrestricted these - rarely published - findings of Einstein and probably everyone could imagine this simple reality - if time not again is packed upside as fourth 'imaginary' dimension.

Reflected Being

Man however don't like simplicity - cause we all are philosophers. Our brain, by his self-consciousness, puts itself steadily outside of surrounding nature as 'objective' viewer. Brain continuously makes conclusions by abstract terms. It's most difficult exercise to be pure spectator, to switch off thinking (like eastern wise man recommend), in order to realize 'qualities' of being directly, i.e. un-reflectedly).

Air has quality - we however pulled it to pieces, nitrogen and oxygen. Water by sure has special qualities - but common science nothing else found than H₂O. Time has quality, earlier or later for diverse actions - however we cut time into days, hours, minutes, seconds. By this quantity-viewing we forgot - at least at western world - to realize real qualities of real being.

We (western man) practically live only for planning - and to 'pass away' schedules resp. check-off life. Continuously we think about best coordination of all facts and next activities, thus practically 'live' within future and forget to live short (however steady given) present moments. If reality of life occasionally conflicts with plans, we withdraw into past times and 're-live' loved memories.

Real Being

Here I make considerations to actual physics, next rather sober-minded. For short moment however, I ask readers to feel qualities of 'old elements' (and not to reflect about). Please imagine this scenario:

You feel air at your skin and air's flowing and waver. You see clouds moving and how they bubble. Sun is shining through cloud's gaps and illuminates clouds like earth by fantastic colours. You sit at warm stones at the beach and waters mirror lights. Waves come and go by unsteady movements, nevertheless by unlimited repeating motions. A fire burns at beach and flames leap up, even higher fly sparks. Everything is in motion, most different and same time by great harmony.

If you managed to realize these feelings - that's real being, to look at and take it without contribution of brain. My abstract word were only necessary, cause you was not really there at this place and that time. Being described above however is completely independent of abstract names, which we assign to things and real being is independent of our usage of collective words for easier communication.

Real Ether

Once more I ask you for short moment, to realize quality of age-old element ether. Please imaging this scenario:

You still sit at that stone and still observe this spectacle of nature. Only one fact has changed: you look through things, into a transparent and pervious matter, which exists real and continuous, and everything exists of and is included within that substance.

Air, clouds, sun, water, sand and stones, burning wood - all exists of this matter. However, at each location this substance is moving other kind, molecules appear like twisting tiny purls, multiply embedded into others, partly far reaching movements. All is turning, never straight ahead, only by spiral tracks, narrow curves or wide ones, slower or faster, everywhere nothing else than turnings in unlimited including tracks. Also light is nothing else than some special movement of this substance, is reflected by other movements or is penetrating into and accelerating other motion's patterns.

Ether is anywhere, there is nothing else but diverse varied movements of that single stuff. Naturally you by yourself are also rather complex whirlpool of ether, not outside of but totally integrated within. You can see, but must not view, cause no motion ends anywhere. Your ether-whirlpool can feel every pattern of movements, no matter how far its kernel might be, large or small, from all sides you directly get impressions of everything.

It's like bath within unlimited, all-around sea with unlimited various waves of all kind. Each single movement one can filter-out, depending only on focus, no matter were this special vortex was, no matter how long time ago it was most intensive. One even can imagine inevitable further development of some movement's patterns, practically view in advance. Everything and everybody continuously gives his 'vibrations' into this unbelievable variously moved sea, makes input by actions or thoughts, no matter if conscious or unconsciously.

It's only that single matter, anywhere in steady most different movements - thus that One produces unlimited variety of all appearances, each other kind, nevertheless all appearances mutually connected by direct resonance of all-including medium.

This report might not be misunderstood as enthusiasm of an esoteric aesthete (however spiritually 'touched' readers will understand better). This report describes rather concrete physical qualities of real fact of ether, like mentioned above by Einstein's quote. For example, Einstein did well find necessity of bends - however called inevitable curved ether movements a quality of space (however only at his early workouts, while later he corrected this misunderstanding).

Space

Once more I ask 'realists' for patience and to listen to 'a short story of space'.

A group of young people invaded that beach, marked a field and installed net for volleyball. They probably were students of physics, amusing about quotes of their prof. Everyone talked about x- and y-coordinates, which must show 'normal' angles, also z must show perpendicular, all scalar values must correspond to norm, cause only by these prerequisites objectively reproducible results of planed experiment could be measured with certainty.

This discussion obviously enjoyed everyone more than ball-game by itself. They commented each of their movements and every (miss-) stroke, by constance of impulse and kinetic energy, gravity and ballistics, heat and entropy, velocity and vector, twist and momentum etc. etc., thus in reality they made up competition about best handling of physical terms.

What did happen with that scenario, before viewed and directly realized?

Before, there was only reality of that single substance of ether with its reality of unlimited and various movements, resulting variety of diverse appearances. Also these occurrences were real, however they have no stand-alone reality as separated stable bodies or 'physical force-

particle', but occurrences are only result of ether-movements. 'By this sense' occurrences have no primary, substantial reality, but are secondary, 'kinetic' reality existing of ether-movements. It's only (primary) existing ether with (secondary) existing ether-movements.

Which 'reality-third-kind' now these (future) scientists brought into play?

They restricted interests at only some few occurrences, as they observed only elements demanded for their game. They introduced abstract terms, by which they thought and communicated. They reduced attention to observing and judging only physical occurrences. As they didn't include neither primary nor secondary realities, they practically discussed only outer criteria of appearances.

Lastly they produced 'space', measurable by three planes right-angled to each other with voluntarily chosen coordinate's zero point. Within that space they acted, were able to measure distances and speeds, to calculate and judge events. They used stable bodies for marking their space and they observed movements of bodies - but abstract term of space, lastly was (and is in general) only necessary for exact counting, measuring, weighting and calculating.

If this group had interested in ball-playing by itself (and not in 'scientific word-game'), they would have needed only a ball (no 'field' nor 'space', no discussions with (empty-) words). With that word-game they made up their own 'abstractly third kind'.

Just this is relation between reality of ether and exclusively abstract term of space: ether simply exists and plays its 'game of movements' - and this reality for itself is not depending on any abstract term, thus existing regardless of term 'space'. Universe (as synonym for 'all') is ether, simply existence of this substance, totally real and totally independent of any abstract terms. 'Space' is human invention, a mental tool for brain's understanding - reality however is not affected by abstract terms, so 'by this sense' ether exists without space.

Time

Primary, material reality is existence of ether as single substance universe-wide. This reality exists completely independent of our abstract term of space (nevertheless, ether naturally is also 'storage-medium' e.g. for our terms, thus indeed their exists 'reality third kind', as will be described much later). Space is mental 'stage' for description of certain location, relative to voluntary chosen zero-point of coordinate-system and voluntary fixed planes, however right-angled to each other.

Secondary (above 'kinetic' called) reality is existence of steady movements of ether. Movement is change of location (to describe relative within coordinate-system) and speed is movement within time-unit.

Again it's really existing only that motion of ether. This movement will occur totally independent of our mental measurement-tool of 'time'. Reality is only that motion of ether. Only if we want to determine 'exactly', how fast a portion of ether is moving from one location to an other - then we use time-units.

We do hard with time-measurement, just cause time doesn't exist as an original reality. Naturally it gets lighter and darker and we call this day and night - but these are indirect appearances (resp. abstract terms), while reality by itself are only some movements of ether. For time-measurement, we only can take a seemingly constant motion resp. constantly repeated event as comparison, build fictive time-intervals and thus 'measure' (compare) speed of other movements.

At the one hand, time-measurement is technical problem, at the other hand is based only at 'relative' exact repetition of comparable events, third however is only pure mental tool for observation or prediction of movement's processes resp. events.

Ether moves this very moment, did move before and will move further on. We name this before-now-afterwards as past, present and future. Nevertheless, also these are only abstract terms for mental handling and communication - while regardless of these considerations about time, there is only reality of moving ether on and on (moving ahead or circled, never backwards, so 'backward-directed-time-arrow' would be 'double-fictive' term).

Fictions

It's true, a 'portion' of ether can't be accelerated relative to surrounding ether on and on. Relativity Theory now tells change of speed (at upper end near light-speed) would change time. It's mixing up reality (ether and its limited possibility of movements) with abstract terms (mental tool of time) - that's miss-understanding basic logic, fiction pure.

Time-measurement lastly is nothing else than comparing different movements. There is no reason given, why high accelerated motion here could have any influence to an other motion there, far away, used for comparison. There is no real nor logic cause, why signal speed of light should have any influence to both motions.

It's true, possibilities of ether-movements are limited that kind, motions are done only at bended tracks. However, any bending can only by stated by comparison with mentally, absolute straight lines of abstract coordinate-system. Nevertheless, common science calls Euclide (straight lines) superfluous and claims bended space. However, that's mixing up reality (ether movements at bended tracks) with pure mental tools (of abstract coordinates).

That's why it must be differed strictly between real certain knowledge (resp. terms for real facts) and only mental tools (abstract terms resp. collective terms without direct relation to real facts). Absolutely certain are only facts of ether and its movements. Besides this, abstract terms are absolutely necessary and useful. But mixing up both 'worlds' will inevitably result pure fictions.

Certainly it will be hard for many people to accept space and time as pure illusions and 'looking' at invisible ether as single real existing substance, above this to 'visualize' ether's movements. However, Eukid's Space and any voluntary time-unit will do. So all we need for considerations about reality, are three rods right-angled to each other and any chronometer (both showing / going straight ahead) as mental tool (and some people are able to exist, some even to live without these tools).

01.06. Boundary or Boundless

Outer Border

Universe is immeasurably wide and we really can't imagine billions of light-yeas. These distances are far beyond horizon of man's normal experiences, which are 'naturally' limited to range of millimetres to kilometres.

On the other hand it's astonishing how easy we escape natural boundaries. For example, we can draw a circle, symbolically representing our universe, draw besides further 'universe-circles' and ask hypothetically, God would have liked to put one or diverse universe into state of existence.

By this 'divine' distance we even are able to ask, whether outside our universe (or between diverse) really Nothing could exist. Then each Something would border to Nothing. These questions are of real 'divine' dimension, thus illusionary to speculate about possible answers. Nevertheless, question of outer border of our universe is relevant anyway.

One attempt to answer (or bypass) this question is hypotheses of bended space: a hollow body bended back into itself, like circle without starting and ending point. By previous 'divine' view however, also (twisted) torus like this still has an outer border surface. So for us by view from inside, question still is, why ether-inside shouldn't disperse into nothing-outside.

Cohesion

Substance of ether could be gaseous, however gases expand into areas of lower density resp. pressure, so our universe immediately would disperse into surrounding areas of pressless nothing.

Substance of ether could be liquid, as liquids show much better cohesion, e.g. based on tension of surfaces at least building tropes. By minimum outer pressure however, fluids vaporize, thus also universe of liquid ether would disperse into nothings.

Within stable bodies however, parts keep together based on diverse mechanism (as described later), e.g. a clean crystal keeps stable shape even within extremest vacuum. So our universe could show stabile outer-surface, if ether would have consistence of extreme hard crystal.

That's the point, where searching for properties of ether (and ether by itself) was stopped. Based on recognized, real give, rather smooth movements within universe like on earth, ether should have to behave like 'ideal' gas, be extreme soft and elastic resp. compressible and expansible. Opposite, ether should have characteristics 'harder than steel' - otherwise outmost dubious appearance of extreme attracting forces would have to be existent anyway.

Dividing and Assembling

It's normal experience of everyday problems, which limit horizon twice and hinder us to find solution to previous problem.

At the one hand we are 'mentally limited' as we can concentrate only each one fact. We experience and consider and discuss - however only one special topic, at one time by one point of view. We know well, comprehensive knowledge will come up finally by 'holistic view', by integration and (especially modern) by networks overlaying all subjects. However it is to state in general: as long one thinks by parts, assembling is necessary.

Second we practically all times have to do with parts: all materia is to divide into parts. There is nothing within our material world of everyday experience, which is one whole piece (and if it looks like, it's common understanding it's made of diverse, separate chemical compounds or molecules or atoms etc.). To handle by parts is normal usage as e.g. all products are made of parts. As soon anything 'big' shall be achieved, parts must be assembled that kind it keeps together.

Whole

Previous question was, how ether of universe could anyway keep together. Answer is so simple, to most it will seem like 'piece of juggling' - however remember lots of incredible hypotheses, wildest speculations and pure fictions within all sciences all times.

My deduced answer simply is: there must no parts keep together, cause ether is one whole, coherent by itself. Ether with that property can't disperse, cause there are no parts of ether

anywhere. So my conclusion of problem above is, whole universe is one whole piece of ether.

This claim naturally provokes opposition, cause un-dividability is contradictory to all normal experiences. At everyday life we only handle with parts and just Quant-Physics did demonstrate, even elementary particles once more are divided into sub-elementary particles and no end of dividability is to see.

I agree completely, cause concrete experiences reflect variety of physical occurrences. Naturally, at scale of material bodies there are separated parts, one scale further down naturally there are separable molecules and atoms. However material bodies different kind don't exist of diverse 'materias' and same time each elementary particle or each kind of sub-elementary particle exists not each of an own substance. All these 'parts' are occurrences of each other kind of ether movements. Various occurrences show most different properties, e.g. one is possibility of separated appearance (as a single 'whirlpool' within ether).

As in reality there is only one single materia, that ether-materia logically is not to compare with any corresponding fact. So ether well can show solitary property of undividability. Opposite, occurrences can be situated more or less dense to each other up to completely separated appearance of an isolated single part.

Ether of universe is one whole, it's part-less cohesion is essential characteristic. Ether thus must not be hard like crystal, opposite ether can be totally soft and still totally cohesive. Indeed, status of 'gel' is good comparison: gel keeps together like being one whole, based at adhesion of parts (however gel appears only like a whole, while ether really is one whole).

Thinking by Parts

Question concerning outer boundary of universe resulted previous conclusion. However also by microscopic view, ether as one whole is inevitably logic consequence.

It's certainty, all elements of atoms lastly are nothings else than movements. Even largest machines of nuclear research plants, lastly show nothing else than photo of spiralic ending motion, as a 'particle radiates into energy' (remarkable usage resp. mixup of terms: supposed reality of a material particle converts into abstract expression of 'energy'). Materia like energy lastly is any kind of motion, motion however can only be movement of something, here called ether.

However practically all explorers (event those who honestly think about existence of ether) regard ether again being build by ether parts. So one discusses about density of ether, assumes materia to be condensed ether, speculates about different speeds of ether particles, so about hot and cold areas of ether etc.

Thinking that kind however, only transforms established understandings inclusive inherent problems and unsolved phenomena from level of material bodies and their parts onto level of ether and its parts and sub-particles etc. That kind of 'alternative' physics is really superfluous, cause there is no progress, e.g. discussion about gaps between suggested ether-parts and inevitably about something / nothing again is completely same than before. So thinking by ether-parts is in vain, cause only shifting words.

Billardballs

Parts include existence of gaps between, no matter how narrow 'billardballs' are placed at table. If one ball is pushed into certain direction, carambolages by most different angles result, so originally directed motion is spread chaotically, lastly diffuses into 'heat'. If ether would really exist by parts, universe really would already have suffered 'heat-death'.

On the other hand, 'signal-speed' within medium of parts is rather limited. Parts of air e.g. move by some 450 meter each second, so sound moves ahead by some 330 meter each second. Molecules of fluids are more dense, so sound is transported correspondingly faster.

If however speed of light within (earlier assumed 'light'-) ether should be possible, its parts should be packed incredibly dense (previous 'harder than steel') - and easiness of other movements within ether would be quite impossible (so one decided any medium of high-speed motions superfluous).

At the one hand, real energy-constance (instead of energy levelling) is only possible, if movements ahead are possible without losses. On the other hand, high speeds of electromagnetic occurrences demand extreme 'dense' medium.

However, it's again an unpronounced assumption, if density of a medium is implied only to be possible by most compact package of separated parts. Same effect is automatically given, if medium by itself is not compound of parts but is implied to be a real whole (like at common physics lots of properties are defined to be 'inherent', strange enough - even to nothing).

Right Angles

Only if ether is assumed to be a whole, an impulse within this medium is transported without loss and delay - nevertheless there exists no 'time-less' fast signal speed. In addition, each electromagnetic wave does not only run straight ahead but 'induces' right-angled other 'fields'.

Why within 'vacuum' electromagnetic motion should not be timeless fast and why should electric fields generate right-angled magnetic fields, mutually again and again - these are major, not pronounced questions. Just phenomena of simultaneous, inevitable, additional and right-angled effects are clear evidence for gap-less-ness of ether.

One 'portion' of ether can not simply move ahead, cause there are already other portions, without gaps between. These would have to move aside, so that first portion could move ahead. That second portion getting out of way, by itself demands siding of third ether-portion there. So lastly all has to make place right-angled for each other, every lateral-movement to left side, as well known basics of electromagnetism.

Naturally ether never moves by right-angled-edges anywhere, but all is turning at spiral tracks, around wandering fulcrums with differing radius, multiply overlaid, by differing and varying speeds - and only as an appearance results extreme fast light-speed of electromagnetic waves. Naturally there is no 'portion of ether' hunting through space, like no waters flow over ocean, even waves produce impression of stormy seas running ahead (as will be described next section).

Laws of Nature

Here at first it's only to state, within parts (billardballs) never would exist steady compulsion to each right-angled additional effects (cause separate balls can move as they like it, e.g. get out of way in all directions - like parts of fluids do). If universe really would be build up by parts, chaos would exist indeed, cause within parts every motion is possible, e.g. anything can move alongside boundary surfaces into any direction, or wouldn't have to keep together anyway.

Only if ether is assumed to be one whole, moving within itself, possibilities of motions are limited resp. are resulting inevitable follows of movement's processes - like they are recognized as essential physical occurrences.

Remaining possibilities of motions are still of huge variety, however only within that frame which is determined by laws of nature - or vice versa: finally these restrictions (based and only demanded by gap-less ether) result strong limitations resp. mutual relationships of physical factors, i.e. these restrictions are laws of nature by itself.

Strange enough - like logically same time - strong order within system of universe only results, if there are no internal boundaries, but everything is immediate connected with all next, most direct possible kind, as really one whole. Cause ether is no assembly of (bulky) parts, motions within 'soft' ether can take place without problems, however only by 'mutual understanding' of neighbouring areas, within that frame in practically unlimited variety.

01.07. Special Terms

Language

Workouts of this Ether-Physics and -Philosophy uses expressions of common daily talking (thus should be understandable for everyone). Following terms however are used by different resp. special meaning.

Really existent

As certain knowledge is only assumed, first there is something, second there is movement. That Something is named 'Ether', real moving is only ether's movement.

Mentally abstract

Naturally also 'ether' and 'movement' are mental terms, however these are names for real facts. Naturally above this, there are demanded as mental tools lots of mental expressions and terms for summarizing likely appearances and for communication are also required quite abstract collective terms. At logical conclusions however, real facts may never be mixed up with pure mental tools.

Substance

As matter resp. substance real existing is only ether, which by this meaning is only 'materia' (in common understanding). Regardless to this fact, term of 'materia' or 'material world' is still used in sense of common understanding.

Occurrence

Diverse kinds of ether movements result various occurrences, which thus produce 'towards outside' (with regard resp. with effect to other occurrences) appearance of being real existent. As 'occurrences' here are called e.g. solid bodies, atoms and diverse physical forces etc., however also mentally and spiritually appearances. This difference between ether and its movements versus occurrences resulting of, is necessary with concern of difference of real facts versus abstract terms and with concern of logic conclusions at both levels.

Whole

Opposite to all considerations of sciences, inclusive common understanding of ether, here ether is regarded as un-dividable, gap-less substance, as indeed really existing continuum. As there are no parts nor gaps between, e.g. terms like density or heat are not applicable to ether (but only at level of occurrences). So here understanding of ether is like it's told age-old: the real One of which All is 'made' of.

Space

Term of 'space' here is used exclusively in sense of Euklide, thus only as a mental tool,

existing of three right-angled planes resp. coordinates, which mentally are thought absolutely straight, with voluntary chosen place of coordinates zero-point. This mental tool exclusively is used for exact definition of a location by x-, y- and z-coordinates.

Etherpoint

If ether would exist of separated parts, movements of ether could be described as change of location of ether-parts. As there are no separated 'portions of ether' with demarcation borders, certain location of ether is named 'ether-point' (as pure mental tool) and its movement relative to previous (pure mentally) coordination-system is described. However words like up, down, left, right, front, back resp. upwards and downwards etc. are sufficient.

Time

Time here exclusively is used as abstract term, which has no own reality (cause real is only ether's movement). Time exclusively is mental tool in order to follow ether movements resp. also to determine speed of movement resp. describe changes of speeds. Words like steady or constant, faster or slower, progressively-accelerated or slowed-down etc. are sufficient.

Physical Terms

All other common terms of sciences, like e.g. mass, inertia, elementary particles, electromagnetic wave etc. are used corresponding to common understanding (so regardless of fact, real basis of these occurrences only are ether's movements). Also terms of materia or material-world are used commonly (thus regardless, ether is only real matter).

Example Inertia

At proper time however, definitions of many of these physical terms will be described new, in order to express 'true' essence of each occurrence most best.

This might seem arrogant, cause e.g. everyone knows and accepts, 'inertia is mass inherent property'. So question might be allowed, whether inertia is 'mass-inherent-property' or 'motion-inherent-property' or (secondary) occurrence of movement (that case also in case of 'resting mass').

Courage for Gaps

Might be, my definitions seem too courageous or too banal of differing too pedantic. Please compare with actual status of cosmology (and watch at terms), e.g. like reported at Neue Züricher Zeitung at 12. February 2003, with this shortened content (start of quote):

Courage for Gaps - New Worldview of Cosmology mostly is based on unknown Physics

... 'dark' energy contributes some 70 percent of total energy density of universe ... materia assembled by common atoms contributes less than one fifth of remaining 30 percent. Dominating part of materia is invisible and like dark energy of unknown nature ... a model is established, which is based by 95 percent at unknown physics ... passed through by mysterious energy, which affects negative pressure ... same likely, whole space could be bended, as locally near neighbouring celestial bodies is real case ... an exact analyses however did approve, photons are running straight through space and time ... what it might be ... candidates are exotic elementary particles like neutrinos, supersymmetric parts or axions ... the only problem is, most of these parts up to now are only hypothetically existing ... dark energy to assume same as energy density of vacuum ... calculated value however is too large by at least 40 scale-units ... to associate with a quantfield, which is interacting with materia ... connected with hidden space-dimensions ... so cosmologists, whether they like it or not, will have to live with a worldview at the one hand successful, at the other hand full of gaps. (quote end).

One can't deny courage - but which encouraging success is mentioned?

Ranges of Scale

Finally frame of arrays is to mark resp. relevant terms are listed (however most will be defined or detailed later):

Universal - Whole of ether within total universe, which mostly exists of 'Free Ether', which at a whole is moving by certain 'rhythm'.

Galactic - array of a galaxy, which is maximum extension of 'Bounded Ether' and same time showing its typical pattern of movement - so one not only looks at visible parts of.

Sun-System - for example our well known sun-system and we also know its extension reaches far beyond planets. Again, we normally watch only nucleus and these few 'dirty pieces' rotating around, let some neutrinos fly through. In reality however, it's a 'massive' whirlpool moving by laws of Bounded Ether.

Solid bodies - that's normal world of our experiences, within which laws of mechanics are valid - essence of however is to explain other kind.

Molecules and Atoms - where molecules are compounds of atoms, atoms are various combinations of some elementary particles - however there is only one kind, electron (with some lateral occurrences, e.g. are called protons).

Electron - is here used as name for elementary shape of movements of Bounded Ether, where Electron is most smallest edition of that pattern, analogue however are shaped electromagnetic waves and radiations.

Spiralcluster resp. Free Ether - is basic movement of all ether of universe, where movement's distances are anywhere at quant's dimensions. This movement pattern is done 'parallel' within whole universe, however locally with modifications.

Bounded Ether - is summarizing term of all movements at larger scale than tracks of movements of Free Ether, so distances reach from photon up to galaxy. By (very rough) comparison, this movement could be described as 'amplitude-modulation' of Free Ether.

Fine-matter - this term is taken for movements below spiralclusters of Free Ether, so is (by rough comparison) 'frequency-modulation' of Free Ether. This 'underlayed' movements represent mental and spiritual contents (while previous Bounded Ether represents occurrences of material world). These 'vibrations' (in reality not simple swinging ahead and back) below basic movements are given within whole ether, by most various overlays.

Astralspheres - this term in general here is used for occurrence, fine-matter vibrations at the one hand are concentrated locally, at the other hand are extendable or extended at spheres of diverse circumference, e.g. in extensions corresponding to all stable bodies above (making these to living beings). Opposite to compound of material bodies, these spheres however can vary nearby unlimited, depending on 'focus' can intensify at voluntary locations.

These 'spiritual' occurrences (also only special movement's pattern within common, single existing medium ether) are to describe precisely at later chapters, after 'simple' movement's patterns of known physical occurrences are discussed and exactly defined. By this first listing of ranges only frame in general was to show.

01.08. Summary

Chaos

Newspaper-report of previous chapter presented quite serious picture of actual status of astrophysics. There are listed results of most complex and precise calculations, based on accurate observations with enormous expensive equipment. If however is assumed, abstract terms are able to 'interact' - hypothetic fictions like these must result. By this 'world-view' of actual physics only five percent are 'common' atoms - however is certainty (sorry, only probability), actual 'atom-view' of physics fit to reality by more than five percent.

To leave disastrous chaos of mixture of abstract terms of modern physics, it's absolutely necessary to base considerations exclusively at totally certain knowledge. These are only two facts: there-exists-something, there-exists-motion. By observed occurrences of these movements, demanded properties of that 'something-in-motion' (called ether) are to deduce.

Based on these properties is to analyse, which possibilities of movements are given. These possibilities are strongly limited, movements are of complex structure, however never chaotic like mental confusions above, but are according to laws of nature resp. are these laws by themselves.

Assumptions

Possibilities for understandings essentially were limited by two (un-spoken) assumptions: thinking-by-different-materia and thinking-by-parts. Considerations about ether didn't come ahead cause one assumed, there would be ether between materia. And it's (again un-spoken) assumption, materia would exist of diverse (sub-elementary) substances. With properties of ether one won't come ahead if still is valid assumption, ether by itself would also be build of ether-particles. Ether mostly was described 'like a continuum', however never was regarded as real continuum.

Only if fixation on these two assumptions is given up, one can come to understanding, there is only one substance of ether (as age-old worldviews tell) and this ether universe-wide is one single, real Whole (like many worldviews also tell and basic understanding of nature is - until western sciences started analysing and dividing), thus All is build of that One.

At my first version of Ether-Continuum-Theory, 'naturally' I started with conviction, there are material bodies and around these should be ether, building a 'phantom-body' (in order to describe terms like mass and inertia).

Painful

Mentally, it was long hard process, no longer to think by parts and particles but thinking only in motions of one single substance. Rather 'painful' got understanding, oneself is 'only' some whirlpool within ether and above this, doesn't even 'possess' an own portion of ether.

So it's to understand 'pain' for scientists to give up illusions e.g. of attractive forces or about fields, even of space and time resp. to re-confirm indeed, these are only mental tools, purely abstract expressions without any 'own' reality.

Above insight concerning 'oneself' mentally means some giving-up of 'own body' in favour of going into some Whole resp. being-embedded within All, i.e. it's relative loss of stand-alone existence. Opposite however, tracing-back abstract und hypothetic terms onto medium of ether, means physically foundation on substantial real basis, offering new explanations of all occurrences. So both 'pains' allow new and well founded possibilities of insights.

Whole

Especially hard is mental challenge to accept one 'whole' as real existent (even e.g. Relativitytheory, Quantmechanics or astrophysics ask for more 'goodwill' resp. explicitly renounce understanding).

Unfortunately I earlier said, universe would be a single 'ether-monolith' and wanted to point out high 'density' of rocks, same time 'heat' within, i.e. there is steady motion within. Nobody however did follow idea, rock within rock could move anyhow. Upside now I said, ether is like soft 'gel' or even would be 'gaseous-soft, compact-hard Whole'.

Movements within ether are transferred much more direct and lossless than within resp. by most hard steel would be possible. This directness is result of ether inherent property of gaplessness. Motions within ether are done as soft as within gases, however anyhow limited. By ether inherent property of un-dividability are resulting reduced possibilities of movements, exclusively at bended tracks.

As ether is single substance in universe, it well can have unique characteristics. Nevertheless it's mental challenge to accept 'inherent' properties of whole-ness, i.e. gaplessness and undividability - however rather modest in comparison to assumed properties 'inherent' e.g. materia or atomic nucleus and much more ideas 'inherent' modern physics.

In principle, it's only our brain's thinking-by-parts which enables thinking-by-whole. We well know, all these parts must connect anyhow - however to understand that direct cohesion as real primary characteristic of all being - vehemently refuses 'partly and temporary working' brain.

Next

Naturally at next section, I must show possibilities of movements within that ether-whole quite concrete. Multiply overlaid movements, first by two dimensions, I'll show by example of ocean-waves with its included circled movements. Free Ether within its three dimension shows even more complex pattern, at tracks comparable with DNA. Embedded resp. somehow enlarged is movement pattern of Bounded Ether, where electron is good example (analogue movements e.g. like electromagnetic waves or galaxies are later discussed).

At further section will be discussed, how chemical elements are build as combinations of that movement's clusters, also how chemical compounds work at this basis. Special challenge e.g. will be, how 'nonconformistic' hydrogen and helium are constructed.

Some sections will discuss physical occurrences of diverse sections of physics, e.g. mass, inertia, gravity, electromagnetism etc. and especially each 'phenomena' will be paid attention. For example, double-slot-experiment (with its part-wave-dualism) will approve previous understanding of ether obviously.

In later parts, also spiritual occurrences are to discuss, e.g. terms like consciousness, will, ideas etc., based at real medium of ether. These considerations naturally are more speculative than 'simple' processes of known chemistry of physics.

So by different examples of material (however also mental-spiritual) occurrences I want to approve, ether quite really is only existing substance with its most special properties and with its most various movements, so ether is that 'One of which All exists'. So I want to contribute to real 'comprehensive world view'. I hope some readers enjoy that challenge resp. contribute writing this 'book' by critical hints.

