

Friendly Advice to Dissidents

By

David de Hilster

Overview

- Working alone
- Engineer / Theoretician – how to verify a theory
- Pitfalls
- Neutrino example
- Myths
- Mainstream & Dissident fears
- Getting others to read your work
- Advice
- Steps to Improve your theory
- Conclusions
- Future – When & How will we be recognized?

This Talk to be Part of a New Book

- ***‘Why There are No Flying Cars – Yet’***
 - A History and Case-Study of gravity, Physics, and Cosmology of the 20th and 21st Centuries
- By Robert, David, & Mike de Hilster
- In conjunction with the documentary ‘Einstein Wrong’
- Popular book for the mass market

I'm on Your Side

- I have no theory to defend so I don't feel the need to "justify" theory or ideas
- I see what I think are good habits and bad habits among dissidents
- I admire everyone's work because everyone has **SOMETHING** to say
- In my talk, I'm like a dissident's best friend: best friends tell you the truth even if it hurts
- I do encourage almost everyone even if I don't agree with certain assumptions
- I like this because I am walking with the Aristotles, Galileos, and Newtons of our time – the greatest scientists living today; that is you!

Working Alone

- Typical dissidents work in isolation
- Often no one critical in their neighborhood to keep them honest
- Often your audience is only layman or the mainstream – bad and worse!
- **Overworked Theory Syndrome**
 - Too much time, wrong assumptions appear
 - Theory extends beyond its scope
 - Theory starts to include bad science

Engineering Vs Theoreticians

- Theoretician are not bad but theoreticians tend to have more pitfalls than engineers
- SLAC scientist said that “Theoretical Physicist” should not exist
- Astronomers versus Physicists
 - Astronomers can “see” other’s claims easily whereas not everyone has a particle accelerator or raw data from current experiments to check physicists work

Take an Engineering Attitude

- Paradox means “problem” (Bob de Hilster)
- Engineers heavily rely on real-world data
- Change & Uncertainty is the norm
- Getting closer is the goal
- Arrival at a complete solution is an illusion
- **Are Engineers the true physicists?** They are forced to actually work with the physical world
- When a theory doesn't work, they let the physical world guide them
- Theory is a crutch, not the answer
- Real-world math & behavior is not pretty or symmetrical

Experiment

- **Eventually**, even the most theoretical ideas must be translated into experimental evidence or practical uses or no one will accept them
- If you think along these lines, you have a chance to have your theory accepted
- Otherwise, how can we distinguish which candidate theory is correct?
- **Brutal honesty**: dissidents can fall in love with their theory and find justification for why experiment is not important
- How do you expect the world to “verify” your theory?
 - Fitting the data?
 - Experiment?
 - Will your version of “verify” for your theory hold up to the world?

How to Verify Your Theory

- Find experiments to verify your theory
- Make real-world predictions that will make your theory valuable
 - Find oil in new places (expanding earth, Scalera), cold fusion machine, controlling gravity, new predictions for atomic or subatomic behavior or structure

Pitfall: Theory Overgeneration

- Don't assume that mainstream is correct on the sub-sub-atomic level (below electrons, protons, etc.)
- Atomic & sub-atomic level is safe to copy
- Quarks, W & Z particles, and the neutrino should not be copied or assumed correct
- How can we say the mainstream knows sub atomic structure when they treat them as points?
- Why do you reject one thing from the mainstream and trust another without checking?
- This is no different from the mainstream

Overgeneration Case Study

- Neutrino
- A majority of dissidents believe the neutrino exists (ouch!)

Neutrino Evidence Research

- <http://neutrinos.autodynamics.org>
- Extensive research on neutrino non-existence including examples of nuclear-nuclear collisions described without the neutrino
- Neutrino evidence research is almost non-existent
- Dissidents do not know the origin, history, or evidence for the neutrino
- Why do they accept the neutrino without knowing these things?

Neutrino and the Dissident

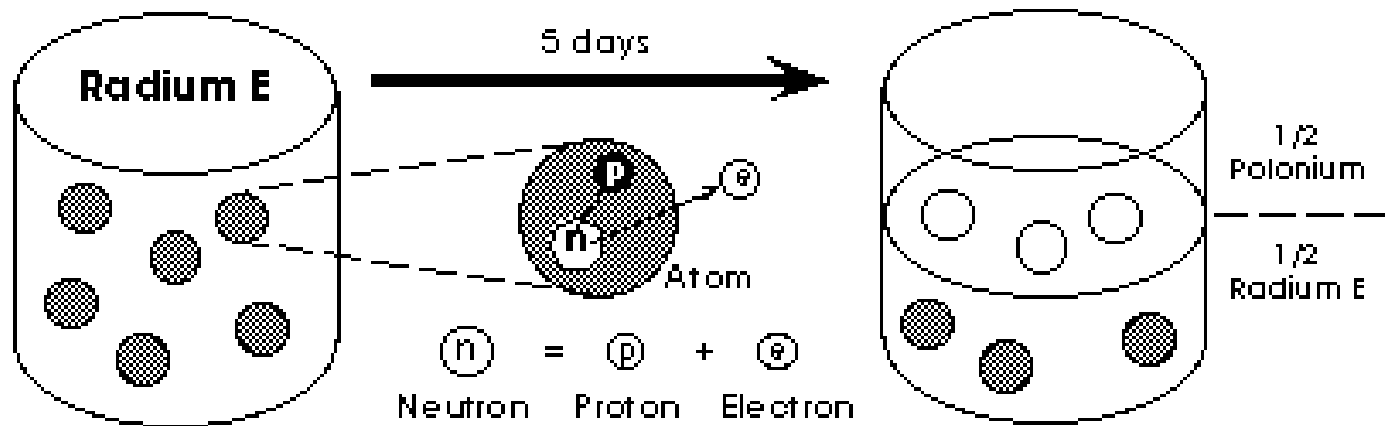
- Why do dissidents like the neutrino?
- They are in search of ether or gravity
- They are seduced by its smallness, number and properties
- They truly do not know or emulate its properties and assume the ones they want
- It's 'mysterious' (wrong reason!)

Neutrinos Origin

- Postulated by Wolfgang Pauli 1931
- Applied relativistic kinematic equations to decay (ouch – see Carezani et. al.)
- Classical chemistry and physics predicts exactly the correct energy **WITHOUT** the neutrino
- Pauli said that if we are to **believe** in Special Relativity, the electrons flying out of decay at $0.86 c$ requires more “energy” than predicted, so he postulated a massless, chargeless particle (neutrino named by Fermi after Pauli’s death)

Decay

Radium E decaying to Polonium



Unstable Radium E atoms with neutrons in nucleus

Neutron emits an electron leaving behind a proton

5 days later, 1/2 Polonium atoms & 1/2 Radium atoms

$$1 + (1 - 1) = 1$$

Postulating the Neutrino

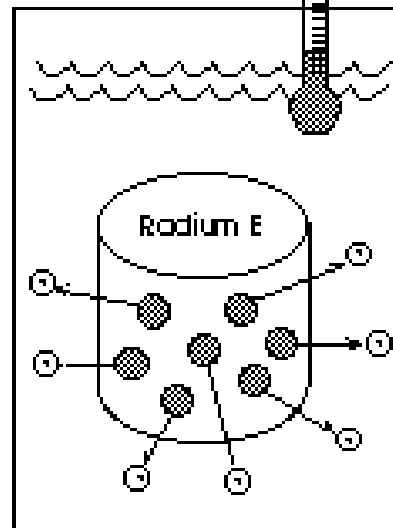
1.16 MeV per atom

↑↑↑↑↑↑↑↑
predicts

$$E = m_0 c^2 \left(\frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} - 1 \right)$$

Special relativity predicts
1.16 MeV per atom

0.36 MeV per atom

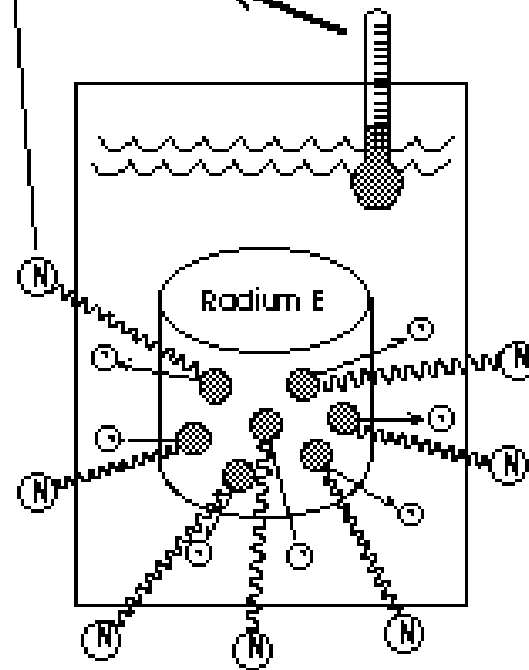


Experimental results yield
only 0.36 MeV per atom

1.16 MeV per atom

↑↑↑↑↑↑↑↑

0.8 MeV per neutrino
0.36 MeV per electron



Postulate new 0.8 MeV
NEUTRINO particle

Neutrino Detectors

- **Small Number Statistics** – 30 argon atoms from 100,000 gallons of liquid for a month's worth of neutrino detection
- What are they detecting if they are not detecting neutrinos?
- Answer is another question: why do they shield neutrino detectors?
- Answer: to try and filter out false hits
- They are detecting false hits, not neutrinos

Missing Neutrinos

- Neutrino detection never seems to match predictions
- Neutrino “scientists” are the masters of tweaking theory until it fits the data
- Amnon Meyers – the perfect neutrino detector will detect nothing

Evidence Against Electron Neutrino

- Physical Review Volume 70, Numbers 3 and 4
August 1 and 15, 1946

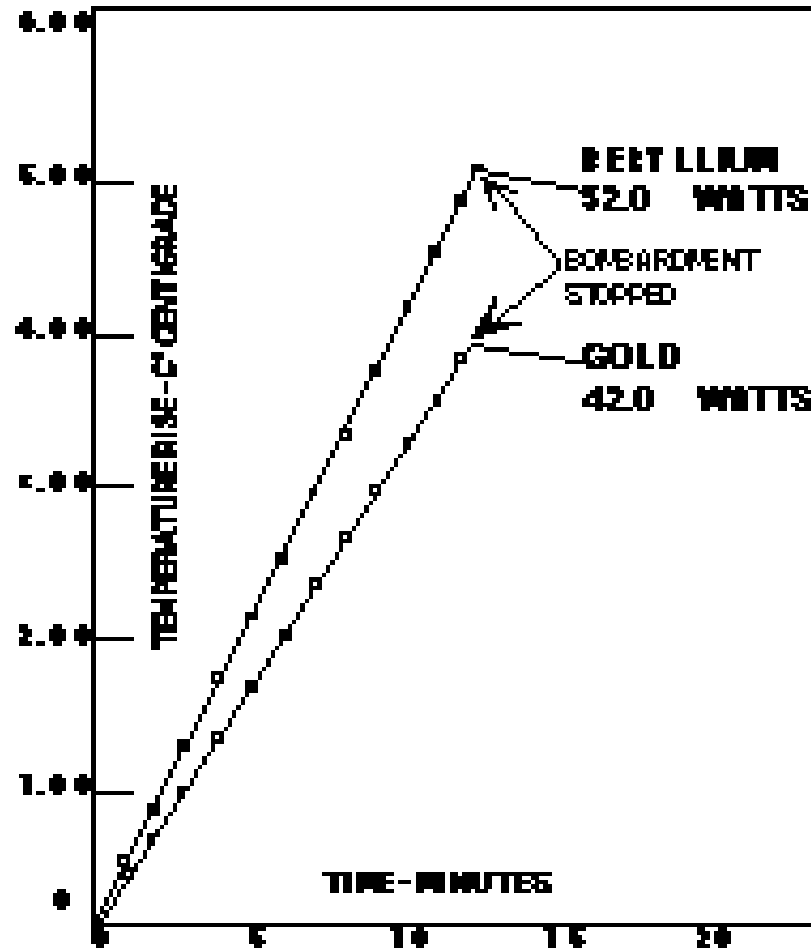
Calorimetric Experiment on the Radiation
Losses of 2-MeV Electrons [1]

W. W. Buechner and R. J. Van de Graaff

*Massachusetts Institute of Technology
Cambridge, Massachusetts*

(Received May 21, 1946)

Results



Buechner and R. J. Van de Graaff

- *“It thus appears that the large energy losses which have been previously reported cannot be accounted for by the suggested emission of the neutrinos or other extremely penetrating radiation.”*

Dissidents & the Neutrino

- Gravity & Aether theories
 - This is strange given that a neutrino can go through 100,000 light years of lead without any interaction
 - Dissidents ignore these properties and invent their own properties for the neutrino (double ouch!)
- Dissidents “distrust” mainstream where it is convenient, and “trust” them where it is convenient
- Dissidents in not studying what they are re-creating in the subatomic world are doomed to repeat the same mistakes as the mainstream
- When neutrinos are accepted to not exist, where will your model or theory stand?

Neutrino & Balancing Equations

- Subatomic physics cannot balance energy without the neutrino – **FALSE**
- Relativistic kinematic equations used in particle accelerators prove the neutrino exists – **FALSE**
- The neutrino must be there to take away the magic energy introduced in mainstream physics – **TRUE**
- Use non-relativistic equations, no neutrino is needed (see Carezani et. al)
- Not simple without the neutrino but then again, we have little idea of what really is happening at the end of particle accelerators so a massive overhaul is needed
- Smashing particles
 - Is that the correct way to find parts?
 - If you smash enough parts, you can find anything
- Neutrinos have **NEVER** been detected directly

Neutrinos

- Electron neutrino
- Electron anti-neutrino
- Muon neutrino
- Muon anti-neutrino
- Tau neutrino
- S neutrino

Neutrino Flavors

- Neutrino flavor
- Tau-neutrino flavor
- Neutrino two flavor
- Neutrino Three flavor

Neutrino Types

- Light neutrino species
- Heavy neutrino species
- Mixing two-flavor Mikheyev-Smirnov-Wolfenstein neutrino and two-flavor long-wavelength neutrino

Neutrino Oscillation

- Neutrinos change type, color, flavor, etc in mid course
- Why?
- They have to in order to match theory
- The real answer is decay – for each decay case, different properties are needed and things don't balance so mid-course magical changes are needed

Neutrino Behavior

- Neutrino decay
- Neutrino oscillation
- Neutrino oscillation in to sterile neutrino
- Matter enhanced flavor neutrino oscillation
- Short-range neutrino oscillation
- Long-range neutrino oscillation
- Neutrino oscillation matter dependence
- Neutrino oscillation in vacuum
- Neutrino oscillation sensitive to size of production locale

Neutrino States

- Neutrino helicity state
- Wrong-helicity-state neutrino
- Eigenstate of a freely propagating neutrino
- Dirac neutrino mass (four helicity state)
- Neutrinos as Majorana particles
- Neutrino with magnetic moment equal zero
- Non-zero neutrino magnetic moment

Neutrino Mass

- Massless neutrino (chargeless) - this is the original version
- Small mass neutrino 10^{-7} (dm/eV)² 10^{-4}
- Moderate mass neutrino (Russian neutrino) 20-30 eV
- Large mass neutrino (Canadian neutrino) 1000-2000 eV
- Extra-heavy mass neutrino (Canadian neutrino) 17.1 keV
- Special heavy neutrino (3 neutrinos together)

Neutrino Misc.

- Seasonal variation neutrino flux from the Sun
- Super Nova 1987A was the moment of absolute proof for the neutrino
- Or was it?
- Space Park, de Hilster meets with 9 physicists about a possible Nobel prize experiment

SN 1987A

- The supposedly "OVERWHELMING" evidence is reduced to very weak evidence: %25 of the neutrino detectors reported activity.
- Accepting that there *is* simultaneity between Mont Blanc and Kamiokande II, the evidence is only 50%, which is not too OVERWHELMING.
- No mechanism given to explain the incredible number of neutrinos *assumed* to have arrived on earth.
- No explanation given for the neutrino sphere. (Meaning: if we can only detect 1 out of billions and billions and billions what fantastic device can trap them, and then release them? Was the universe different there than it is here for the supernova explosion?)

SN 1987A (cont.)

- Extremely tenuous explanation for proof of coincidence.
- NO NEUTRINOS ARRIVED
SIMULTANEOUSLY AT ANY OF THE 4
DEVICES.
- Neutrino existence using SN 1987A - yields an absurd conclusion: namely that 14,000 neutrino events per day must be observed in solar neutrino detectors in order to say that the explosion of SN 1987A yielded neutrinos.

Neutrino & Special Relativity

- The neutrino is the poster-child of Special Relativity
- If you believe SR to be wrong, then you must throw out the neutrino
- The neutrino's existence is due to SR's magical increase in energy we cannot see
- Decay worked fine from the beginning without SR
- This is why it was first postulated without mass and charge
- For every decay case, there is a different situation to explain, thus giving rise to the neutrino "zoo" of particles and properties and behaviors

Neutrinos & SR (cont.)

- Neutrinos were postulated to conserve energy / momentum when SR was applied to decay cases
- Carezani showed in the early 1940s that applying kinematic equations to decay is wrong
- Carezani showed you can describe sub-atomic interactions without the neutrino

Your Model of the Neutrino

- Dissidents include the neutrino in their model
- Dissidents don't explain the property zoo and particle zoo of the neutrino
- They redefine the neutrino and its properties
- How you can redefine something and throw away all the experiment 'evidence'?

Neutrino Lesson for Dissidents

- Don't blindly copy the subatomic world
- In fact, we need to say we know ZERO about the subatomic world except for electrons, protons, and neutrons and there we need new models that are not points
- Study and prove to yourself first that the particles you are copying are real
- If you copy bad ideas, they become your bad ideas
- Don't be selectively skeptical – e.g. throwing out special relativity and not the neutrino

Thomas Kuhn is Overrated

- Kuhn's paradigm shift does not apply to today's crisis in science
- Kuhn's assumption is that a paradigm cannot shift without a replacement – **WRONG!**
- The current crisis needs us to tear down a bad foundation, and start another one
- We can tear down without a replacement
- It will take time to find replacements because there is so many bad assumptions to remove

Thomas Kuhn is Overrated (2)

- Rewriting assumptions 100 years back (Einstein), 400 years back (Newton), 2000 years back (Aristotle)
- We must not let the mainstream keep us down with the statement “what is your replacement for special relativity the big bang?”
- We need none! So Kuhn’s ideas are incomplete and do not apply
- We ourselves create the straw man for the mainstream to keep us down by believing Kuhn’s simplistic model
- The real world politics and science are always much more complex than Kuhn’s simple paradigm shifts

Myths about the Mainstream 1

- Wording, terminology, tack, politics will get the mainstream to listen
 - **Dead soldier syndrome:** no matter how nicely you tell a mother her son or daughter has died in the war, the reaction is the same: shock, denial, and **ANGER**
- The same can be said about dissident work
- If you report the death of a well-accepted theory, the reaction will be violent
- Mainstream will find its way to the real underlying assumptions and the reaction will be violent
- No amount of good wording will mask the underlying basic changes in assumptions
- Einstein Wrong – a good example (Pat's Calls)

Myths about the Mainstream 2

- It is a fact: the mainstream does not read dissident work – see 60 minutes on Cold Fusion
- So no wording, politics, or tact matters if they do not read it
- If the mainstream or even some of the mainstream read or studied dissident work, things would have already changed
- There is no example in history where dissidents changed the mind of mainstream science
- **“Change happens with new minds, not new theories”** –*David de Hilster*

Mainstream Fears

- Losing their jobs
- Putting food on the table
- People will do everything to protect their livelihoods including keeping quiet about anything that would jeopardize their job
- There is no conspiracy
- Scientists in general are nerds, introverts, shy, socially dysfunctional and naturally run away from fights rather than face them

Dissident Fears

- If I read someone else's work, I will be diverted from my own unique path
- If I read someone else's work, they will prove me wrong
- If I read someone else's work, I am wasting the precious time near the end of my life I need to work on my own ideas
- No one will read my work and care!

Scientific Groups are Human

- Theories are like human relationships, they need two-way caring and communication
- No one will read your work if you do not share interest in some one else's work
- If we get over our fears and we create a community of people who read each other's work, we will create a strong scientific community that has a greater chance of success than we working in isolation
- The world will not listen unless there is a human story – Einstein Wrong Documentary

Dissident Truths

- We all own a part of the truth (Neal Adams)
- You are wrong, you're only more right about something than someone else
- Reading diverse dissident ideas will keep your theory stronger and give it more chance to contribute rather than be a curiosity
- Reading other's work will save you a LOT of time in the long run - rely on others hard work
- Theories are living, breathing things that must be constantly scrutinized and modified

How to Get Others Interested in your Work

- Develop a relationship with those you want to **EVENTUALLY** read your work - This takes time.
- Show interest in other's work, even if you may think their work is not interesting to you (good habit to build)
- People will not read something from an unknown person without a reason – Give them a reason that you know would be interesting to them
 - In the beginning, your finding or theory is not reason enough

How to Get Others Interested in your Work (cont.)

- Don't show you only care about others reading your work
- If you push, push, push your theory and tell everyone you are the owner of the ultimate truth, others will run away from you
- Why? Because people know that people who show they know everything will never discuss but only **dictate**
- Unless you pay someone, no one will give their free time to you unless there is something in it for them

Advice #3

- Fitting new ideas into your theory is not advancing your theory, it is tweaking it
- Theories need basic assumption changes more often than tweaking
- Don't pretend that tweaking is changing assumptions
- Don't pretend to solve basic assumption issues with tweaks
- If you tweak something enough, it becomes a different theory (the mainstream is very guilty of this – e.g. neutrino)

Advice #2

- No false “Open Mind” (Don’t fool yourself)
 - People see through the “words” or “lip service” of saying you are open to new ideas but do not listen
- Actions of change speak louder than words
- If you are not open, others will see your ploy as a trap and will avoid the trap by avoiding you

Advice #1

- If you let others know that you know your theory does not explain everything and that you honestly look at new ideas or assumptions from others, acknowledge them, and modify your thinking and ideas according to work other than yours, others will see you as someone worth while to interact with in the search for truth in science and will be interested in you and your work

Post Advice

- If you are not open to criticism or changes to your ideas, someone else will do it for you and advance while you stand still
- Don't say:
 - *“this is my life's work, I can't or don't have time to change it. You do with it what you may, but I'm not changing anything now. I'm too old.”*

Post-Post Advice

- Just because you do not have a degree in the area of your research, does not invalidate it or make it less important
- We all need to get over this including the general public, journalists, writers, filmmakers, and politicians
- We are all scientists because we as human beings all wonder about the workings of the universe

Steps to Improve Your Theory

- Join in the Video Conferences that do NOT interest you
 - Pretending certain subjects do not matter to your theory is stagnant to your theory
- Interact and get together with others by email or email groups
- Call someone on the phone and talk about their work and yours
- Find commonality instead of trying to convince others they are wrong
- Listen to others, don't just wait for them to talk, ignoring their words so you get your time to talk
- Interaction is really “caring” about what someone says
- Listen, do not just hear them out
- Make positive suggestions to help others, not just tell them they are wrong and “listen to my theory, I have the answers”

Steps to Improve Your Theory

- Read others works
- Read others books
- Use the World Science Database
 - Wow, there is a lot there
 - Use the search
 - 100 Journals are listed where you could publish
 - Many conferences where you can give a talk
 - Many places to publish
 - Help us add more information
 - The bigger number we are, the more serious we will be taken

The Future

- Who to watch
- What will happen
- Who will break through

Theories / People to Watch

- Structuralists – Bill Lucas (Bergman), Vladimir Ginzberg, Stoyan Sarg, Don Briddell, William Hohenberger
- Expanding Earth – James Maxlow, Dennis McCarthy, Gioncarlo Scalera, Alex Scarborough
- General Relativity – Dowdye & Crothers
- New Energy / Propulsion – many; great number of real experiments in real labs
- Cosmology – Halton Arp
- Fluid and Gas model for ether theories

Neglected by Dissidents

- Special Relativity – Dr. Carezani's frame reduction
- Infinity – Glen Borchardt and Peter Erickson
- Radial Momentum – Ed Seykota (Bernoulli effect)
- New Physical Math Models versus empirical formulas – Robert de Hilster

Disjoint Groups that Need to Join Forces

- New Propulsion, New Energy, Expanding Earth – Most think Einstein's relativity is correct
- NPA – just starting to accept earth expansion as fact
- NPA – doesn't know much about new energy or new propulsion
- People simply have not taken the time in other areas to investigate the problems
- All groups are natural skeptics – they will turn quickly if they see the "light"
- Mainstream are not changing folks!

Consensus Versus Cooperation

- Hot topic in the dissident world
- Consensus happens with time
- We need understand that no two scientists believe the same
- Cooperation will create consensus by basic assumptions and issues becoming more widely accepted through true interaction of authors and their reading and studying each other's theories
- Consensus cannot happen without cooperation

Define a Common Vocabulary

- Field / Continuum / Aether
- Mass, Matter
- Space, Time
- Super Dense Objects versus Blackhole
- Expansion / red-shift
- Retire words: wormholes, big bang, neutrino

- Our vocabulary gets in our way **A LOT**
- **Dissidents like all scientists are often self-inconsistent in their language**
- We use language to describe out theories to others

Breakthroughs

- Cold fusion
- April 19th 2009 - 60 Minutes sided with dissidents (10% of the science world); must see video online - SHOCKING
- Expanding Earth – Dennis McCarthy stating there are breakthroughs in paleobiology; Gioncarlo Scalera using expanding earth to find new oil fields for for-profit companies
- Einstein Wrong – First feature-length documentary going through mainstream film channels (Hollywood, Sundance, Canne)

Conclusions

- **We are in a time of Scientific Reconstruction** – *David de Hilster*
- We are not in a time of paradigm shift
- We have passed the destruction phase
- We are now entering the cooperation phase
- There are too many constructs right now to say we are in the construction phase or in a paradigm shift
- We need to work together to find common assumptions to construct the future theories that will become the mainstream and advance science

Conclusions Continued

- Natural Philosophy has to re-enter our everyday lives
- We need to take back the keys of the kingdom
- Teaching and learning must change in Universities, laboratories, and in dissident circles to advance science
- This is a moral issue, not a scientific one

When & How will Dissident Work by Recognized?

- 2-10 years
- Internet playing a major role
- World Science Database – everyone in one place; sheer numbers giving credibility and confidence to dissidents
- Einstein Wrong – taking it to the masses
- Some important experiments
- Areas: new energy, cold fusion, expanding earth, relativity wrong
- Industry and a new generation will simply move past the mainstream and they will be left behind