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THE ANTI-STOKES FUDGE

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My recent paper on [Rayleigh Scattering](#) led me into the recognition of this broader cheat. What I showed there was that using Rayleigh scattering to explain the brightness of the sky actually broke conservation of energy laws in a flagrant manner, since total field energy is greater after the scattering than before. In other words, according to the current equations, atmospheric scattering is a process in which energy is created *out of nothing*. Photons come in, collide with molecules in the air, causing them to emit other photons. But the outgoing photons have more energy than the incoming ones, as a field total.

The energy production isn't small, either. The created energy isn't just brightness: it has a *huge* mass equivalence. It is a very large production of heat as well as brightness, since the more energetic outgoing photons have more heat-creating capability than the incoming ones did. According to current theory, that energy has to be coming from somewhere, and the only place it can be coming from is the atmospheric molecules themselves. But given the amount of energy created every second by this process of scattering, the atmosphere should have long ago been completely drained of all mass/energy. It should have been charge stripped and then energy stripped, the depleted atoms falling to Earth in a motionless heap. Since this hasn't happened, we can be very sure the current explanation is wrong.

I solved this problem in that previous paper, showing that the energy actually comes from the Earth's charge field, which is rising all the time through the crust and atmosphere. This field is constantly replenished by the Sun, and the Earth recycles its own charge field from the Sun. The Sun recycles the galactic charge field and the galaxy recycles the universal charge field.

This should tell you that Rayleigh scattering has long been a misnomer. When most people think of scattering, they think of molecules simply colliding with and diverting photons or other particles. But since Rayleigh scattering actually shifts the entire field to a higher energy, it was already much more complicated than simple scattering even before I came along. Although Rayleigh scattering was initially just a match of equations to data, the mechanics of the process has long been hidden. Over the decades, several newer pushes have accumulated beneath the old equation to try to explain this energy shift up, but in most cases that is not admitted. It doesn't come up in most textbooks, much less in encyclopedia entries. This is to hide the sad state of the answer you find in the "quantum mechanical" explanation.

In this paper, we will look at how the mainstream has been forced to create an entire category of fudges to hide this problem of scattering. They have created a name for this kind of interaction, where you get *less* energetic photons absorbed, causing *more* energetic photons to be emitted: an **anti-Stokes shift**. You may also see it called **anti-Stokes luminescence** or **photon up-conversion**. As we have seen, Rayleigh scattering is itself a form of anti-Stokes luminescence, although they don't normally tell you that. They don't want you to notice that all anti-Stokes luminescence breaks conservation of energy,

and is basically energy from nowhere.

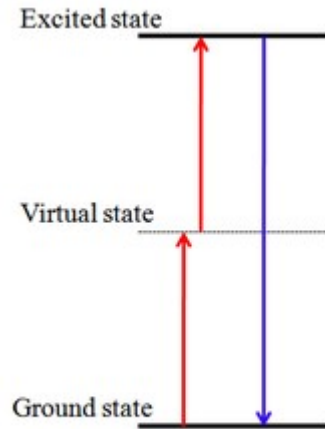
They only get into these jams because they don't have a real charge field. As [I have shown in a series](#) of papers going back many years, the charge field went underground at the time of Maxwell. Maxwell's displacement field is basically my charge field, but the displacement field was buried under cloaking math by Maxwell and then doubly buried by the math of quantum mechanics in the first quarter of the 20th century. It was never assigned to any real field by Maxwell, and once Bohr and his minions gave up on real mechanics, the entire field went virtual. Once it became virtual, it was open to any amount of fudging. I will show you the precise method of fudging below.

If you read common accounts of anti-Stokes shifting, you are told “this extra energy comes from dissipation of thermal phonons in a crystal lattice, cooling the crystal in the process.” I encourage you to notice the use of phonons. You may think a **phonon** is a particle, but it isn't. It is just a name they gave to a fudge. No one has ever seen a phonon, captured one, or found any evidence for one, beyond these experiments that don't match expectation. For example, we have devices that can emit photons. We can manage the production of photons and control them. But we have no phonon devices. You can't build a device to emit phonons, because they don't exist. They “exist” only at the *end* of experiments, as curious gaps, or in theories as fudge; they do not exist in the beginning of experiments, as real particles. I beg you to notice that every time you see the word phonon in a theory, it is in a virtual middle step for which we have no confirmation and *can* have no confirmation. Since the mainstream doesn't have a correct field representation of charge, they use the phonon to represent photon+unknown charge energy.

The phonon is used as a gap-filler between the expectation of energy conservation, and the failure of that expectation in phenomena like Rayleigh scattering. In other words, you start your experiment with what you know are photons. They have known energies and frequencies and so on. But then after your experiment, you find these conservation violations like we have seen. You get more energy out than you had going in. So, rather than do as I have done and try to explain that with real particles in the field and real mechanics, mainstream physicists have instead filled that gap with middle-step virtual particles like phonons. They don't *see* the phonons, they only see the gap. The gap is the actual result of the experiment, not the phonon. The phonon is only an amount of energy that fills that gap, and then they give that amount of energy a name: the phonon. A phonon is a photon that has lost or gained energy from the field in some unknown process. But in naming it, they have dodged the need to assign it. They *imply* that a naming is an assignment, but naming and assigning are two different things. I encourage you to study the phonon—its creation, its definition, and its use in physics. The phonon is not a piece of new physics, it is a piece of new anti-physics. It is the hiding of problems under new terminology.

Also notice that this use of phonons doesn't address the Rayleigh scattering problem, since the atmosphere is not in a crystal lattice. But say we did apply the phonon solution to the atmosphere. Just think how ridiculous it would look. Just think how much “cooling of the crystal” would be required to explain the increase in brightness and energy we find in Rayleigh scattering. In other words, I encourage you to calculate how much cooling of the atmosphere would be required in order to achieve the massive anti-Stokes shift we see. We see brightness created all day every day year after year after year. The atmosphere should have been frozen down to absolute zero long ago. What could possibly keep the atmosphere energized under these circumstances, according to the mainstream? They have no answer, and just hope you don't ask the question.

I will be told that the atmosphere is photon up-conversion, and that this doesn't utilize phonons.



That is the mainstream diagram of up-conversion. Notice the “virtual state” fudge. Anytime you see the word “virtual,” you are no longer in the presence of physics. Regarding up-conversion, we are told, “Materials by which up-conversion can take place often contain ions of d-block and f-block elements. Examples of these ions are Ti^{2+} , Ni^{2+} , Mo^{3+} , Re^{4+} , and Os^{4+} .” Clearly, up-conversion in such cases is being enabled by the charge field of these elements. Nothing virtual is going on, but since the mainstream doesn't understand how elements recycle the charge field, they are forced into these Byzantine explanations. In short, photons can easily be spun up by the powerful charge fields of these elements, given the right initial energies and paths. But just about any other ions could do that, under the right circumstances. These elements are just the easiest to use in experiments with common lasers, since the surfaces create the easiest entry and exist points for the photons.

But again, try to apply that to the atmosphere. Does the atmosphere contain any of those ions? No. Even if it did, up-conversion couldn't explain Rayleigh scattering or the brightness we see. Up-conversion with these ions is a limited process. Just as with the crystal lattice, there is just so much energy you can draw from these fields. The crystal lattice is cooled and the ion substance would be de-energized as well. Since the atmosphere is a gas, with very little density compared to a crystal lattice or to elemental materials like Osmium or Nickel, it would be cooled that much faster. Its charge field would be depleted that much faster. Which again gives us a big hole in current scattering theory. Rayleigh scattering produces huge amounts of energy, and atmospheric cooling can in no way provide that energy.

Notice that if you tell me the Sun keeps the atmosphere heated up, you have just gone circular. It is Solar energy that is being shifted up by this anti-Stokes method in the first place, so you can't come in after the fact and claim it is also keeping the atmosphere inflated. That would be using the same energy twice in one problem.

You will then say that I am using the Sun's energy twice in my solution, since where else is the Earth's charge coming from? But although I am using the Sun's energy twice, I am not using *the same* energy twice. In my theory, some of the Sun's energy feeds down directly through the atmosphere and some is pulled into the poles as charge and comes up through the crust, entering the atmosphere from below. So although both photon paths are from the same *source*, they are not the *same energy*.

But if you try to say that Solar energy is shifted up by the anti-Stokes method, while at the same time

keeping the molecules warm, you are using the same energy twice. The Solar energy coming down can only be absorbed once in each interaction. That process of absorption can either lead to cooling or to heating of the molecule, but not to both at the same time. To explain an anti-Stokes shift, the molecule would have to cool. Therefore, in mainstream theory, you have nothing left to keep the atmosphere warm. Every photon absorption would cause cooling.

You will say, 'No, I just let half cause cooling and half cause heating. The atmosphere then stays the same.' Maybe, but you have then tripled your original problem. You then have to explain how and why half cause warming. And you have also just halved your original energy. If half of the photons go to warming, then only half of Solar radiation can go to causing brightness. In that case, your anti-Stokes shift has to be twice as efficient to cause the same brightness. My explanation is better on all counts.

Not only does my explanation of brightness creation conserve energy by a simple process, with no pushed equations, no phonons, and no virtual particles or fields, but that explanation is cemented by many other confirmations of the Earth's charge field. It is not only the Rayleigh scattering problem that indicates a rising charge field from the Earth. Every other problem, "solved" and unsolved, also indicates the field, as I have shown in dozens of papers over the past decade. Everything from the [GOCE satellite](#) to [lift on a wing](#) to [rising sap](#) to the [equatorial anomaly](#) to the [Coriolis effect](#) to the [South Atlantic Anomaly](#) to [Birkeland currents](#) to [core theory](#) to [tides](#) requires this rising charge field. The evidence for it is everywhere, in every experiment ever done on Earth. Even the [dark matter controversy](#) points directly at this charge field. Just as they have missed the charge field in terrestrial problems, they have missed the universal charge field.