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**New paper on symbiosis**

12th September 2003, 11:38 PM	<b>New paper on symbiosis</b>	Post #1
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**lucasp**  
 Senior Veteran  
 Blessings: **14,691**  
 Posts: **4,764**

From the NY Times on Sept. 9, 2003

"

**Symbiotic Ne'er-Do-Wells**

**By HENRY FOUNTAIN**

**S**ymbiotic relationships are often thought of as idyllic situations, mini-utopias where the I-scratch-your-back-you-scratch-mine ethos functions perfectly, to both parties' satisfaction.

The reality, though, is that there are slackers everywhere. Even among symbionts there are cheats that give nothing, letting their neighbors do all the work, but get plenty from their hosts in return. So in cases like these, what keeps the symbiotic relationship from falling apart?

Researchers from the University of California at Davis and the University of Edinburgh have investigated one relationship from the plant world with an eye on that question. Their answer is: The host plant cracks down on the ne'er-do-wells.

The researchers studied the interaction between soybean plants and bacteria called rhizobia that thrive in nodules in their roots. The bacteria turn atmospheric nitrogen into a form that the plant can use and get nutrients in return. But among the rhizobia that exist on soybean plants there are many strains that cheat, producing little or no nitrogen.

In their experiments, described in the current issue of Nature, the researchers created cheater bacteria by replacing normal air with an almost nitrogen-free mix of gases. These bacteria thus produced very little nitrogen for their plants, and the researchers found that they were penalized accordingly. After a few days, the nonproducing bacteria had reproduced far less successfully than nitrogen-producing ones.

The researchers suggest that the soy plants punish the slackers by limiting their oxygen supply. Such punishment, they say, is how the host favors cooperative behavior on the part

of its guests."

1. If creationism is true, why would God create strains that cheat?
2. If the strains evolved as a result of the "Fall", then the plants have also evolved. Did God re-create the plants to handle the cheaters? If so, where is the Biblical passage for this?

"If sound science appears to contradict the Bible, we may be sure that it is our interpretation of the Bible that is at fault." Christian Observer, 1832, pg. 437

"Christians should look on evolution simply as the method by which God works." James McCosh, theologian and President of Princeton



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16th September 2003, 06:56 AM Post #2



**Hank**  
 Senior Member  
 44   
 Blessings: 7  
 Posts: 749  
 offline

Where are the creationists when you need them? I am not a creationist. (agnostic here)

To first question:

Evolution is to a certain extend proven as fact. Is it not amazing plants punish the cheaters? We already accept that in nature the fittest survive, why would plants be excluded from this principal?

To second question:

Now your position is that we accept evolution?

The bacteria strains could also have mutated down. Some code in the RNA/DNA went missing. (This event happens in all life forms due to the ever present radiation, or other causes) The plants always could have been equipped to sort out the slackers, or those unfavorable mutations.

In short God did not create cheating bacteria he created plants dealing with them accordingly. Without creation you in turn would need to explain how the plants evolved without the complimentary bacteria. Or the bacteria somehow evolved and found the plant etc.

Time waits for no one ...



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16th September 2003, 08:17 AM Post #3

**joelazcr**  
 Junior Member  
 Blessings: 15  
 Posts: 20  
 offline

1. If creationism is true, why would God create strains that cheat?

The strains didn't "cheat". This is just a metaphor, personifying a balanced ecosystem. Why do evolutionists cheat when they attempt to explain a biological process? Because they don't really have the answer.

Kiers starts the Nature paper:

"Explaining mutualistic cooperation between species remains one of the greatest problems for evolutionary biology.... Mutually beneficial symbiotic relationships between species are ubiquitous, but their evolutionary persistence is puzzling in many cases."



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16th September 2003, 12:31

PM

Post #4



**JohnR7**  
Child of God

51

Blessings: **22,045**

Posts: **9,027**

offline

Quote:

1. If creationism is true, why would God create strains that cheat?  
2. If the strains evolved as a result of the "Fall", then the plants have also evolved. Did God re-create the plants to handle the cheaters? If so, where is the Biblical passage for this?

2 Peter 3:9

The Lord is not slack concerning His promise, as some count slackness, but is longsuffering toward us, not willing that any should perish but that all should come to repentance.

Perhaps God does not destroy the slackards, because He is hoping they will repent and become productive. It may sound like a joke, but the natural world does reflect the fallen condition of mankind.

Romans 8:22

For we know that the whole creation groans and labors with birth pangs together until now.

We are our own best friend or our own worst enemy.  
Self is our greatest blessing or our worst hinderance.

<http://community.webshots.com/user/expojohnr7>

Romans 8:14 For as many as are led by the Spirit of God, they are the sons of God.

1 John 2:27b you do not need that anyone teach you; but as the same anointing teaches you concerning all things,

2 Cor. 5:17 Therefore, if anyone is in Christ, he is a new creation; old things have passed away; behold, all things have become new.



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16th September 2003, 02:49 PM

Post #5

**Joshua77777**  
Junior Member

16

Blessings: **121**

Posts: **20**

offline

Quote:

Originally Posted by: **Hank**

*Evolution is to a certain extend proven as fact.*

Sorry, but most evolutionists don't even believe that. It can be proven that some parts of the evolutionary theory are possible. It can't be proven that it actually happened.



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16th September 2003, 02:55 PM

Post #6



**Jet Black**  
 By Popular Demand  
 24   
 Blessings: **18,328**  
 Posts: **4,357**   
 online



Quote: Originally Posted by: **Joshua77777**  
*Sorry, but most evolutionists don't even believe that. It can be proven that some parts of the evolutionary theory are possible. It can't be proven that it actually happened.*

explain phylogenetics.

---

Never argue with stupid people. they drag you down to their level and beat you through experience.

Better to remain silent and be thought a fool than speak and remove all doubt.

"God put fossils into the rocks in order to mislead Darwin about the evolution of life."  
 Steven Hawking (Universe In A Nutshell)

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17th September 2003, 06:05 AM Post #7



**Hank**  
 Senior Member  
 44   
 Blessings: **7**  
 Posts: **749**   
 offline



Quote: Originally Posted by: **Joshua77777**  
*Sorry, but most evolutionists don't even believe that. It can be proven that some parts of the evolutionary theory are possible. It can't be proven that it actually happened.*

Let me rephrase, Biological Evolution is both fact and theory. Fact is that it happened and is happening. Theory is on how it happened.

p.s. just in case "phylogenetics" refers to the heredity of major taxonomic groups; - or in Hank terms, how can one explain the close gene make-ups of entirely different groups of life forms.

Time waits for no one ...

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17th September 2003, 08:34 AM Post #8



**LorentzHA**  
 Good Girl  
 Blessings: **1,827**  
 Posts: **679**   
 offline



Lucaspa-You have outdone yourself once again! VERY interesting info! 😊

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"No man dies for what he knows to be true. Men die for what they want to be true, for what some terror in their hearts tells them is not true." --Oscar Wilde (1856 - 1900) Anglo-Irish playwright, novelist

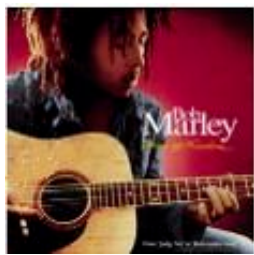
"It ain't supposed to make sense; it's faith. Faith is something that you believe that nobody in his right mind would believe."-- Archie Bunker

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17th September 2003, 02:48

PM

Post #9



i have a symbiotic relationship with beer.

[b] >>>-----> PEACE&HAPPYNES <-----<<<

### ReUsAbLePhEoNiX

Liberated from SinComplex

31

Blessings: 9,204

Posts: 808

offline



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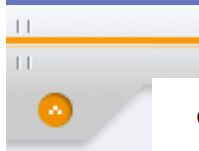
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