

Re: High strength fibers for high pressure tubes.

## Re: High strength fibers for high pressure tubes.

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*Source:* <http://sci.tech-archive.net/Archive/sci.physics/2005-04/msg04083.html>

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- *From:* bz <bz+sp@xxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Thu, 28 Apr 2005 18:11:01 +0000 (UTC)
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Mitchell Jones <mjones@xxxxxxxxxxxxxxxx> wrote in  
[news:mjones-72AA33.12394628042005@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:mjones-72AA33.12394628042005@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx):

> In article <Xns964641AC76568WQAHBGMXSZHVspammote@xxxxxxxxxxxxxxxx>,  
> bz <bz+sp@xxxxxxxxxxxxxxxxxxxxxx> wrote:  
>  
> [snip]  
>

.....

> \*\*\*{In a market economy, the measure of when that point has been reached  
> is the availability of profit. If more energy must be expended to  
> extract, process, and transport fuel to the end user than is available  
> when the fuel is burned, the deposits will be submarginal, and will not  
> be counted as reserves. As noted previously, however, the advancement of  
> technology constantly lowers the real costs of extraction, processing,  
> and transportation, save those inflicted by government, and the result  
> is that it is never possible to argue persuasively that \*any\* deposits  
> that are presently submarginal will not become reserves—extractable at  
> a profit—in the future. To make such a judgment is an instance of the  
> fallacy of static thinking, of assuming that future technology will be  
> no better than present technology, hence that future real costs will be  
> no lower than present real costs. Such thinking has caused those who  
> have predicted an imminent end to the age of oil to be uniformly wrong,  
> over and over and over again, for more than 100 years. Sure, a day will  
> come when the extraction of oil on Earth will be over, but that day will  
> arrive at a moment no one can anticipate today, for reasons that will be  
> utterly inexplicable to all of us. And it could be 75,000, or 100,000,  
> or 150,000 years in the future. There is no evidence now that such a day  
> is going to arrive in the lifetime of anyone living, or in the lifetimes  
> of the grandchildren of anyone now living, for that matter. Practically  
> speaking, as I have said repeatedly, the politicians are the only thing  
> standing between the engineers and the oil. Result: if you don't like  
> the sticker shock the next time you fill up your tank, direct your anger  
> at its appropriate target: at the labyrinthine regulations, hidden  
> taxes, and other impediments which politicians in America and elsewhere  
> in the world, have set up as an obstacle course, to prevent the  
> engineers from getting at the oil. --MJ}\*\*\*

When you must expend 100 Joules of energy to extract oil that will yield

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less than 100 Joules of energy, the politics doesn't matter, the economics doesn't matter. You are at the point where you are better off to use the 100 Joules directly and not convert it into crude petroleum.

What about waste heat, you might say. What about heat left over after you burn fuel to make electricity?

When you convert heat into useful energy, the amount you can convert depends on your starting and ending temperatures. When you try to use the 'waste heat' you decrease the power out of the generator. You can use SOME of the waste heat to do useful things, like recover oil from oil shale, but I was already considering that in my original statement.

Assume we are already making the best possible use of all of our energy resources, you eventually (and that day is closer than you think) reach the point where it takes more energy to extract energy than you have available. Tech improvements will not solve this problem.

Again, better to move our industries into space. There, if you want more energy, you use a bigger mirror.

>> Past this point, the recovery is only worth while if one wants the  
>> reduced carbon for some other purpose, like making plastics, etc. BTW,  
>> that is what we should be doing with it now, not burning it.  
>  
> \*\*\*{I most emphatically disagree. Forming it into plastics is OK, but we  
> also need to burn as much hydrocarbon fuel as we can, because we live on  
> a planet that is deficient in CO2.

And I disagree strongly with you about this.

> If we don't burn it, the greenbelt  
> will not have the carbon it needs to expand as we approach the midpoint  
> of the present interglacial, and in that case the long term cyclical  
> warming of the Earth, which is due to the Milankovitch and related  
> astronomical cycles rather than to human induced "global warming," will  
> raise sea levels roughly another 5 meters, flooding most of the great  
> cities of the world. Man didn't cause the rising sea levels that  
> accompanied the previous interglacial, and he won't be the cause of the  
> rise that will accompany the present one, either. He can, however,  
> prevent the sea level from rising, if he burns enough hydrocarbon fuel.

NO! man would increase the sea level rise by speeding up the melting of glaciers and the southern ice cap. It is already happening.

Where do you think the sea level rise we are seeing is coming from?

> That's why the Kyoto accord and all the other blather about "global  
> warming" is totally wrong, typically ass-backwards, self-defeating,  
> environmentalist rubbish, like the murderous ban of DDT

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DDT has stopped being useful in areas where they continued to use it.  
Insects develop immunity and THAT kills more innocents.

> , which kills an  
> innocent child somewhere on Earth every 10 seconds, and virtually every  
> other bovine, drooling stupidity they have perpetrated or attempted to  
> perpetrate over the years. --MJ}\*\*\*

We will have to agree to disagree on many things.

Have the best of all possible days. It is a beautiful day to be alive,  
isn't it? Every day.

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bz

please pardon my infinite ignorance, the set-of-things-I-do-not-know is an  
infinite set.

bz+sp@xxxxxxxxxxxxxxxxxxxx remove ch100-5 to avoid spam trap  
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◇ From: Mitchell Jones
  
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