

Hello Rusi,  
Can you please give me an estimate (or specific if available,) year when BF  
research began?  
Many thanks,  
Steve

\*\*\*\*\*

Date: Fri, 07 Oct 2005 18:29:50 -0500  
From: Rusi Taleyarkhan <rusi@ecn.purdue.edu>  
To: Steve Krivit  
Subject: Re: bubble fusion

Hi Steve:

I would say serious bubble fusion research began when DARPA's Defense Science Office got intrerested and funded three groups to investigate the general topic of sonoluminescence and to see if that could be intensified. This started out in late 1998. The groups were mine (ORNL, RPI and RAS); one led by L.Crum (U.Wash) and another led by S.Putterman (UCLA) with K. Susslick at U.Illinois). I believe there was another at Yale under the late Bob Apfel but he passed on soon thereafter and that part stopped.

The discovery of something interesting in bubble fusion started when I decided to switch to working only with hydrogen bearing liquids to deuterated forms. This occurred in November, 2000. Per my recollection, the first signs of neutron activity correlated with sonoluminescence was observed in January,2001.

Hope this is helpful.

Rusi