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Location: [Mothership](#) -> [UFO](#) -> [Updates](#) -> [1998](#) -> [Sep](#) -> Re: Can Satellite's Microwaves Cause Crop Circles

## UFO UpDates Mailing List

### Re: Can Satellite's Microwaves Cause Crop Circles

From: Mark Cashman <[mcashman@ix.netcom.com](mailto:mcashman@ix.netcom.com)>  
Date: Tue, 1 Sep 1998 10:33:09 -0400  
Fwd Date: Wed, 02 Sep 1998 08:29:51 -0400  
Subject: Re: Can Satellite's Microwaves Cause Crop Circles

>Date: Tue, 01 Sep 1998 08:35:03 +0200  
>From: Jakes Louw <[louwje@telkom.co.za](mailto:louwje@telkom.co.za)>  
>To: [updates@globalserve.net](mailto:updates@globalserve.net)  
>Subject: UFO UpDate: Can Satellite's Microwaves Cause Crop Circles?

>Mark, does it then follow that a very large array with "normal" (ie:  
>physically acheivable) output in the range you mentioned, that  
>can concentrate its output into a very small area effectively  
>can increase the resultant radiation at that focus point?

My point was that those energies are not achievable with current technologies. They are not just an order of magnitude beyond conventional power plants, they are eleven orders of magnitude larger. At the least it requires a fusion explosion and would only be able to be delivered in a pulse.

>How about HAARP bouncing its waves off the concave  
>ionosphere? That concave factor would concentrate the  
>beam to a point, if the outgoing beam from HAARP was  
>set up correctly.

In the model I presented previously, I simply postulated a beam about 0.1 m on a side from end to end. SPS research postulates a much larger beam from a larger emitter to a larger collector. Your suggestion is the focusing of a large beam to a small point. Obviously focusing can increase the wattage per square m at the receiving point, but the inverse square law still operates, and I believe the energy required does not alter. The implausibility of generating 10<sup>20</sup> W from any generator is at the crux of the argument, along with the implausibility of delivering it undetected.

It will take some pretty solid evidence to convince me that reflection from the ionosphere will have a focusing effect. It seems to me that, at best, the ionosphere will act as a relatively flat mirror in regard to microwave beams of any reasonable diameter. Also, any such beams, as with the previously mentioned problem, would probably be easily detectable on radio, television, and by nuclear alert sensors.

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Mark Cashman, creator of The Temporal Doorway at  
<http://www.temporaldoorway.com>  
- Original digital art, writing, and UFO research -  
Author of SF novels available at...  
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