



# Aliens On Earth.com

Resources for those who are stranded here



**Our Bookstore is OPEN**

*Over 5000 new & used titles, competitively priced!*

Topics: [UFOs](#) - [Paranormal](#) - [Area 51](#) - [Ghosts](#) - [Fortean](#) - [Conspiracy](#) - [History](#) - [Biography](#) - [Psychology](#) - [Religion](#) - [Crime](#) - [Health](#) - [Geography](#) - [Maps](#) - [Science](#) - [Money](#) - [Language](#) - [Recreation](#) - [Technology](#) - [Fiction](#) - [Other](#) - [New](#)

Search... for keyword(s)

in Page Titles

Location: [Mothership](#) -> [UFO](#) -> [Updates](#) -> [1997](#) -> [Sep](#) -> **Re: American Computer Company continued**

## UFO UpDates Mailing List

### Re: American Computer Company continued

From: "WHITE" <mjawwhite@digitaldune.net> [John White]  
Date: Sat, 13 Sep 1997 07:07:17 -0700  
Fwd Date: Sat, 13 Sep 1997 10:33:01 -0400  
Subject: Re: American Computer Company continued

> Date: Thu, 11 Sep 1997 00:32:24 +0200 (MET DST)  
> To: UFO UpDates - Toronto <updates@globalserve.net>  
> From: Henny van der Pluijm <hvdp@worldonline.nl>  
> Subject: Re: American Computer Company continued

Henny wrote:

> [ silicon is one of the materials of which transistors can be  
> made. It is now used for most computer chips.  
> I don't know the function of boron in creating transistors ]

Hello folks:

(x-ref to Corso's transistor allegations.)

Boron's function in creating transistors is that it can be used as a "doping" agent for silicon, i.e., to create conductive impurities. Quote: "Certain types of impurities and imperfections drastically affect the electrical properties of a semiconductor. The addition of boron to silicon in the proportion of 1 boron atom to 10 [to the 5th] silicon atoms increases the conductivity of pure silicon by a factor of 10 [to the 3rd] at room temperature. In a compound semiconductor a stoichiometric deficiency of one constituent will act as an impurity; such semiconductors are known as "deficit semiconductors" (see problem 6). The deliberate addition of impurities to a semiconductor is called "doping." Charles Kittel's textbook "Introduction to Solid State Physics," Fourth Edition, (1971), Chapter 11, "Semiconductor Crystals," page 372.

As luck?? would have it, there is no "problem 6" in the textbook; they stop after problem 5. However, the bibliography for the chapter sets forth

"For an excellent selective bibliography see P. Handler, "Resource letter, Scr-1 on semiconductors," Am.J.Phys. 32, 329 (1964). I don't know if its available, (the Am.J.Phys. site which lists resource letters doesn't make it clear that it is available) but I am tracking it down and will post it (or where it can be obtained) as soon as I've located it.

P.S. To the list:

The accuracy of Corso's allegations re: transistor technology derived from a crashed UFO is not at stake here. Boron impurities in pure silicon crystals for purposes of enhancing electrical conductivity is, no doubt, the same across the universe. There is nothing at all inconsistent in understanding physical theory and finding that someone else has

used it for the same purpose. The issue, in my mind, is to develop enough background material to determine whether the invention of the transistor was more akin to an "Aha, so that's how this stuff works," (Corso's allegation coupled with the then existing knowledge) than an "Aha, I knew I could do it," (Shockley's team at Bell Labs.) The physics of semiconductor crystals and the nature of adding impurities was not a particularly new idea to anyone in those years, but the execution of a concept is another matter altogether; there is nothing inconsistent between Corso's allegations and the fact that the theory may have been well-understood. Indeed, my interest is heightened because Corso's allegations do present an opportunity to actually test his statements. Clear historical, experimental, one-off, precursor designs, etc., i.e., propositional evidence, will either emerge to disprove his statements, or it won't. And if it doesn't emerge, then Corso's statements cannot be said to be disproved by objective, reliable, fact. Although this certainly would not translate into a complete affirmation of his allegations, it would lead us to posit that his statements are increased in their reliability and not decreased.

Thanks to all of you, and particularly those tracking this thread.

John White

---

Search for other documents to/from: [mjawhite](#) | [hvdp](#)

---

[ [Next Message](#) | [Previous Message](#) | [This Day's Messages](#) ]  
[ [This Month's Index](#) | [UFO UpDates Main Index](#) | [MUFON Ontario](#) ]

**UFO UpDates - Toronto - [updates@globalserve.net](mailto:updates@globalserve.net)**

Operated by Errol Bruce-Knapp - ++ 416-696-0304

A Hand-Operated E-Mail Subscription Service for the Study of UFO Related Phenomena.

To subscribe please send your first and last name to [updates@globalserve.net](mailto:updates@globalserve.net)

Message submissions should be sent to the same address.

---

[ [UFO Topics](#) | [People](#) | [Ufomind What's New](#) | [Ufomind Top Level](#) ]

**To find this message again in the future...**

Link it to the appropriate [Ufologist](#) or [UFO Topic](#) page.

Archived as a public service by [Area 51 Research Center](#) which is not responsible for content.

Software by Glenn Campbell. Technical contact: [webmaster@ufomind.com](mailto:webmaster@ufomind.com)

Financial support for this web server is provided by the [Research Center Catalog](#).