

CHARLIE CRIST GOVERNOR

November 19, 2008

Dear Dr. Miller:

Congratulations on receiving the Air Force Office of Scientific Research Young Investigator Award. I am pleased to have this opportunity to applaud a resident of Florida for such an outstanding achievement.

The purpose of the Young Investigator Research Program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize the Air Force mission and the related challenges in science and engineering. Your research on magnetic refrigeration will have far reaching benefits for the world-wide scientific community. Thank you for contributing to the richness of our great state.

Best wishes for success in all your future endeavors.

Sincerely,

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Charlie Crist

Casey W. Miller



Congress of the United States House of Representatives Washington, D.C. 20515

Gus A. Bilirakis Ninth District

nth District Morida Casey Miller 19112 Timber Reach Rd. Tampa, FL 33647

Dear Casey,

I would like to take this moment to recognize your outstanding service to the scientific community and to congratulate you on this prestigious award.

It has long been my opinion that a Great American is one who possesses both humanitarianism and compassion – one who is always working for the betterment of the community without concern for personal gain. This description easily characterizes you, Casey, and your contributions to the community and the nation.

The initiative you display in all your endeavors, researching ways to make magnetic refrigeration available to the public, is remarkable and deserving of praise. Now, more than ever, Americans recognize and appreciate the importance of scientific research. By making this resource more widely available, you will give this nation new hope for the future.

On behalf of the men and women of our Tampa community as well as the men and women of our nation, I thank you for your exceptional work and congratulate you on this great honor.

Warmestregards,

Gos M. Bilirakis

Member of Congress



UNITED STATES SENATE WASHINGTON, D.C. 20510

Bill Nelson Florida

November 21, 2008

Casey Miller 19112 Timber Reach Road Tampa, Florida 33647

Dear Dr. Miller:

Congratulations on receiving the Young Investigator Award! Your hard work and dedication is truly to be commended.

I am always pleased to see Floridians recognized for their outstanding achievements. Keep up the good work.

Sincerely, Bill Nelson

THE FLORIDA SENATE

Tallahassee, Florida 32399-1100



SENATOR VICTOR D. CRIST 12th District

November 20, 2008

Casey W. Miller Assistant Professor Physics Department PHY 114 University of South Florida 4202 East Fowler Avenue Tampa, FL 33620

Dear Professor Miller:

Congratulations on being one of the thirty nine recipients of the Air Force Office of Scientific Research's Young Investigator Award. The award clearly separates you form your counterparts. As an alumnus of the University of South Florida I am proud to hear that you are the first from the university to receive the honor.

Thank you for your hard work and dedication. Please remember that my door is always open. If there is anything my staff or I can do for you concerning a state issue, feel free to contact my office.

Sincerely,

Senator Victor D. Crist Florida Senate, District 12

VDC/dd

REPLY TO:

□ 11961 North Florida Avenue, Suite B, Tampa, Florida 33612 (813) 975-6658

208 Senate Office Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5068

Senate's Website: www.flsenate.gov



Casey Miller Miller <cmilleratphysics@gmail.com>

Re: FW: From 'Write Your Representative' Website

2 messages

Ed Homan <ed@edhoman.com>

Reply-To: ed@edhoman.com To: cmiller@cas.usf.edu Thu, Nov 20, 2008 at 9:05 PM

Casey

Congratulations on being chosen into this select group of scientists. When I reviewed the titles of the research topics they are so advanced that I can't tell what they are about. If you can figure out how to get your idea working at an affordable level, I want to be on your list of early investors when you start production. I would like to see your lab and meet you when my schedule lightens up a bit, maybe in the week or two before Christmas. I will call the number below to set up a time.

Ed

-----Original Message-----From: [mailto:<u>cmiller@cas.usf.edu]</u> Sent: Wednesday, November 19, 2008 10:26 PM To: Homan, Ed Cc: <u>cmiller@cas.usf.edu</u> Subject: From 'Write Your Representative' Website

Casey Miller 19112 Timber Reach Road Tampa,FL 33647-(813)974-7771

11/19/08 10:25 PM

To the Honorable Ed Homan;

Dear Dr. Homan,

It is a pleasure to inform you that I am one of thirty-nine recipients of the Air Force Office of Scientific Research's Young Investigator Award. This award is particularly prestigious because it provides a direct evaluation of young scientists relative to other young scientists. I am the first physicist from Florida to receive this award, and the first professor from The University of South Florida to receive this award.

My award winning research will study ways to make magnetic refrigeration commercially viable. Magnetic refrigeration is the most efficient refrigeration technique known to man. However, its operation requires extremely high magnetic fields that are achievable only in laboratory environments. The goal of my research is to reduce these magnetic fields to levels that can be achieved with strong permanent magnets, such as those found presently in automobiles.

The increased refrigeration efficiencies made possible through magnetic refrigeration will help achieve energy independence for America. High efficiency refrigeration will lower energy consumption, reduce operating costs for businesses, and reduce America's dependence on foreign oil. The greatest impact, which is potentially global, would be highly efficient refrigeration and air conditioning for homes and vehicles. An ancillary benefit is that magnetic refrigeration is environmentally friendly.

Should you have more interest in my research, I would be happy to discuss this with you or your staff . Alternatively, stop by my lab!

Best Regards,

Casey W. Miller Assistant Professor Physics Department University of South Florida Phone: 813-974-7771 email: <u>cmiller@cas.usf.edu</u>

PS: Here is a link to the AFOSR press release: http://www.wpafb.af.mil/news/story.asp?id=123119933

Casey W. Miller <cmiller@cas.usf.edu> To: ed@edhoman.com

Great! I'll be here.

2008/11/20 Ed Homan <<u>ed@edhoman.com</u>>: [Quoted text hidden]

Casey W. Miller Assistant Professor Physics Department PHY 114 University of South Florida 4202 East Fowler Ave Tampa, FL 33620 Office: SCA 404 Phone: 813-974-7771 Fax: 813-974-5813 [Quoted text hidden] Fri, Nov 21, 2008 at 9:04 AM