

11-13-13

From Dr. Bill Wattenburg

[www.wattenburg.us](http://www.wattenburg.us)

**TO MEMBERS OF CONGRESS  
AND THE NEWS MEDIA EVERYWHERE  
THIS SHOULD MAKE YOU SICK:**

**We are leaving thousands in the Philippines to die while the State Department and the Pentagon refuse to do what the Pentagon did for hundreds of thousands of other refugees. It is called the Air Force "TRIAD" system that dropped millions of food packages without parachutes to Afghan refugees for months in 2001-2002.** The high altitude air drops simply scattered food packages all over the ground near the appreciative refugees. This way, all got some food. Experiments have shown that almost any food packages or canned goods in bulk boxes can also be dropped the same way with most of the items intact and edible after they hit the ground. (See the History of TRIAD experiments and the time line enclosed below.) Click on the link below to the official Air Force video that shows the TRIAD operation in Afghanistan.

<http://www.youtube.com/watch?v=kCwxprZekpM>

This is posted on YouTube.com under the title  
GET THE STUFF TO THE FIGHT

**After seeing the TRIAD video, ask yourself what you would want if your children were starving and dying in your arms while you watched US cargo planes flying overhead delivering supplies to warehouses far away -- food that could have been dropped on the ground near you while you wait for weeks for the "relief" trucks to arrive.**

Air Force crews perfected this system to the height of efficiency, as can be seen in the official video. They were proud of the TRIAD operation then. But the standard "relief agency" comfortable bureaucrats don't like it. It overshadows their slow ground delivery procedures. And the Pentagon generals complained

that they did not want their "war fighter crews used for relief operations."

Standard relief agency ground delivery systems are essential for long term support of refugees. But ground delivery typically can not reach thousands before they die. That is why TRIAD should be a required complement to the standard relief agency ground delivery procedures.

**Operational crews in the air force today know they could have been feeding the Philippine refugees with food packages from the air the day after the typhoon. Just ask some of the frustrated base pilots and commanders.**

All the resources needed are in the Pacific area. We have millions of military "Meals Ready to Eat" boxes, daily ration MRE's, in our base warehouses. We dropped tens of thousands of these over Bosnia in the first test of TRIAD (see the press reports).

**Insensitive "relief agency" bureaucrats and Pentagon staff members have been lying to congress members and their own Secretary of Defense and the White House with excuses for why we can not drop food packages the TRIAD way.** Maybe they are most worried that the press will realize that they did nothing for Haiti in 2010 and let thousands die needlessly there while our "TRIAD" crews and cargo planes were ready to go a few hours away in Florida. Congressional leaders and I pleaded with them to help Haiti.

The president will soon learn how his advisors have allowed thousands to die needlessly. But they are poor people who are of no great military value to the U.S. -- unlike the Afghan and Pakistani refugees who were fed by Pentagon TRIAD operations.

**As a combat veteran, secretary Hagel should be embarrassed to his socks when the truth comes out.**

The history of how TRIAD came about is in the University Public Affairs section at [www.wattenburg.us](http://www.wattenburg.us) under the "Food for Refugees" Menu tab.

Listed below are various communications to date pleading with Washington and the Red Cross to pay attention. I know that

Congresswoman Jackie Speier has personally contacted both the Pentagon and Red Cross officials. Senator Harry Reid has asked his staff to find out why TRIAD air drops of food packages are not being done to help the refugees in the Philippines. White House officials have been given all information contained herein.

### **Here are answers to the idiot critics of TRIAD:**

1. The standard "Relief Agency" idiots still say: "Oh, it will be dangerous to drop food packages without parachutes because the packages will come down at high velocity and hit people." This is stupid. **Experiments at the Lawrence Livermore National Laboratory in 1991 proved that air resistance limits the drop velocity no matter how high the altitude.** Packages hit the ground at the same speed no matter whether they are dropped from 500 feet or 50,000 ft. That is why the Air Force started using this system. Bulky food packages never hurt anyone.

2. The Air Force perfected the system they call TRIAD to feed refugees in Afghanistan by dropping food packages from high altitude without parachutes -- just kick them out the door in big boxes that fly open in the air. We later did it for the flood refugees in Pakistan a few years ago. It is fully described in their own video posted on YouTube at

<http://www.youtube.com/watch?v=kCwxprZekpM>

Click on this and see it on your computer. It screams for use in the Philippines right now!

**We have millions of the military meals ready to eat (MRE) small boxes in military warehouses, including bases in the Pacific. The Pentagon dropped tens of thousands of the MRE's in 1993 to the starving in a city in Bosnia surrounded by the Serbs.** Quaker Oats company donated hundreds of thousands of Granola Bars for the first drops in Bosnia

3. **The naïve critics say that air drops of food packages will cause panic on the ground. It is just the opposite.** The food packages are scattered on the ground over large areas so that all

refugees can pick up some food without having to break through the mobs that collect around food trucks that arrive too late. The idiot critics of TRIAD ignore the brutality that occurs when the strong men grab most of the food from the weak and the abandoned women and children after security forces leave a distribution area.

4. Things like dense heavy water bottles can be dangerous when dropped from high altitude. However, we also developed at the Livermore Lab a simple and safe way to air drop large numbers of small plastic water bottles that would be dangerous if just dropped over the heads of people on the ground. We dropped the water bottles into pools of water that are everywhere in flood zones. The plastic bottles float with the heads of the bottles showing so that people can find them easily. The ½ liter water bottles, like food packages, can also be scattered over open fields by dropping them from helicopters at 50 to 100 ft altitude. Very few of the small plastic water bottles break on impact. This avoids the danger of helicopters landing near mobs of desperate refugees.

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## **HISTORY OF THE TRIAD REFUGEE FOOD DROP WITHOUT PARACHUTES OPERATION THAT SHOULD BE USED IN THE PHILIPPINES NOW!**

**By Bill Wattenburg**  
[www.wattenburg.us](http://www.wattenburg.us)  
**November 21, 2013**

Here are more details that the media has asked me to document. You can send this to anyone you like

**The official Pentagon "operation TRIAD" video below shows how the U.S. military dropped food packages to hundreds of thousands of refugees in Afghanistan in 2001-2002.**

**Thousands of Philippine typhoon victims are dying in remote areas waiting for standard ground delivery relief agency supplies that will not be there for weeks to come. Click on this short youtube.com video to see what can be done today:**

<http://www.youtube.com/watch?v=kCwxprZekpM>

**Here is the time line of how TRIAD came about:**

**1991.**

Shortly after the first Gulf War in 1991, I observed how the Kurdish refugees in northern Iraq were being slaughtered when they attempted to retrieve food that had been dropped to them on large pallets with parachutes. I suggested then that food items should be dropped without parachutes so as to scatter the food over large areas so that enemy soldiers could not target the parachuted pallets. I tried to tell the local military officers that the food items would survive the fall because air resistance limits the drop velocity, no matter how high the altitude of the plane. They refused to try the idea or even do a simple experiment at an airbase where they could observe the results.

(see history section at <http://wattenburg.us/foodforrefugees.html> )

**1992.**

The first air drops of food packages without parachutes were conducted at the Lawrence Livermore National Laboratory. Ordinary plastic wrapped food packages and canned goods of all sorts were dropped over a field from a private plane at 2000 ft altitude. Almost all plastic wrapped packages and 90% of cans were not broken on impact. Boxes of breakfast cereal, cans of Spam and corned beef, plastic wrapped dried fruit, small plastic jars of peanut butter, packages of cooked meat, Granola bars -- most all survived the impact. Even those that were damaged were still edible.

**1993.**

Dr. Jane Hull in the National Security Council asks the Pentagon to try the idea in Bosnia where a large city is surrounded and the people are being starved by the Serbs. Tens of thousands of ordinary military meals ready to eat boxes (MRE's) are dropped without parachutes from high altitude by U.S. military cargo planes.

Most of the boxes were not broken on impact. As Wattenburg had proven at the Livermore Lab, air resistance limited the drop velocity.

The food packages were scattered all over the city. Everyone picked up some food. No one was hurt. The Quaker Oats company donated hundreds of thousands of Granola Bars for the first drops in Bosnia. The kids loved them. The operation was considered highly successful. (Pentagon public relations quickly announced that they had always been thinking about doing this!) **See published reports at Science Magazine, 2 April 1993, page 27, and San Francisco Chronicle, 23 March 1993, front page.**

### **2001-2002.**

The U.S. military perfects the air drop procedure as Operation TRIAD to feed over a hundred thousand refugees in Afghanistan during the winter of 2001-2002. The Pentagon prepares an official manual and video of the TRIAD operation.

### **2003.**

The TRIAD video and other materials are withdrawn by the Pentagon after some top generals reportedly complain that the U.S. military is a "war fighter establishment, not a relief agency." However, someone posted the TRIAD video on YouTube.com where it can not be taken down. <http://www.youtube.com/watch?v=kCwxprZekpM>

### **2006.**

More experiments at Livermore Lab demonstrated how plastic water bottles and large cartons of canned goods can be dropped out of helicopters at 500 ft with most items intact after impact. Water bottles can be dropped into any body of water such as reservoirs and ponds. The water bottles float with their tops visible for people to pick up. The water bottles can be dropped on solid ground from a helicopter hovering at 50 ft with little damage to the bottles. **A helicopter can scatter food items and water bottles over any open area so that all refugees can pick up some of them. This avoids the mob scenes when helicopters land near refugees and deposit supplies in one place.** Larger cartons of canned meat such as Spam and corned beef break open on impact leaving most

cans intact and scattered over a large area. But even damaged cans provide food that is immediately edible for starving refugees.

**The conclusion from these experiments is that much of the bulk food cartons in relief agency warehouses can be air dropped without parachutes from low flying helicopters to provide immediate food to refugees until standard ground delivery trucks arrive. The relief agencies should stock long-shelf-life, small, high energy density items such as granola and energy bars, Spam and canned meats, peanut butter or equivalents in plastic pouches, etc, in bulk cartons that can be kicked out of helicopters or low flying aircraft over cleared areas near refugees.**

**2010.** The Haiti earthquake. Top congressional leaders and I asked the Pentagon and the White House to supply food drops for starving refugees. The response was: "The UN Relief Agency is in charge and they do not think that TRIAD air drops are necessary." An estimated ten thousand died of malnutrition and bad water before the UN Relief trucks delivered supplies, a week or more later, to desperate mobs that shoved the weak and sick behind.

**20 November 2013.**

**SOMEONE HAS TO TELL THE U.S. STATE DEPARTMENT AND PENTAGON TO STOP LETTING THE PHILIPPINE REFUGES IN REMOTE AREAS DIE BECAUSE WE ARE NOT DELIVERING FOOD PACKAGES WITH TRIAD AIR DROPS DIRECTLY, AND IMMEDIATELY, TO THEM AS WE DID FOR TENS OF THOUSANDS OF OTHER REFUGEES.**

**Here is the email to the Red Cross with full references:**

11-11-13

To Harold Brooks  
International Red Cross  
[harold.brooks@redcross.org](mailto:harold.brooks@redcross.org)

From Dr Bill Wattenburg  
[www.wattenburg.us](http://www.wattenburg.us)

There is a big push right now to get the US Military to drop food packages without parachutes to the refugees in the Philippines, as was done for hundreds of thousands in Bosnia, Afghanistan and Pakistan in the past. This will save tens of thousands of lives that will be lost due to late delivery of ground relief, as happened in Haiti. The Red Cross should be out in front of this. It is an all win, no lose proposition. The military has millions of MRE food packages in the area. It is going to receive a lot of publicity if I have my way. I did a national radio show last night on this subject. There will be more.

There is a short but very impressive YouTube video mentioned below that says it all. It tells you what the U.S Military can do immediately. This video will play on your computer with a click on this link:

<http://www.youtube.com/watch?v=kCxxwprZekpM>

You will see from the material I am sending you here that there is absolutely no risk for the Red Cross to ask for this and support it while ground relief is on the way. You know that normal ground relief can not reach tens of thousands in inland areas who will die without quick relief, as happened in Haiti.

The abandoned children and old people are pushed aside even when food trucks eventually arrive. But they get their share of food packages scattered all over the countryside by air drops without parachutes.

We also developed a way to safely drop plastic water bottles in large quantities from low flying aircraft and big military helicopters.

The US Air Force implemented the food drop scheme I first proposed and demonstrated in 1991-92. They now call it the TRIAD system. They used it to feed hundreds of thousands of refugees fleeing Afghanistan in 2001-2002.

The entire history of dropping food packages without parachutes and how it was developed and then later used very successfully and extensively by the US Air Force is described on my webpage [www.wattenburg.us](http://www.wattenburg.us). Click on the MENU tab at the top that says: FOOD FOR REFUGEES

You can go directly to the food drop section by clicking on <http://wattenburg.us/foodforrefugees.html>

You will find links there that will take you to the Air Force video for the TRIAD system. They are:

<http://www.youtube.com/watch?v=kCwxprZekpM>

and more at

<http://www.youtube.com/watch?v=AlOanfQvrOE>

Youtube.com has given this video the title:  
"Get the Stuff to the Fight"

I do not promote frivolous schemes, as you can see in the university report of my scientific projects on the webpage [www.wattenburg.us](http://www.wattenburg.us). I was asked by the US Dept of Energy to plan the efforts to put out the Kuwaiti Oil Well fires in 1991, as you will read in the university report on the above webpage. The oil well "experts" had said it would take five years at least. We did it in nine months.

I have some history of working with the Red Cross. At [www.wattenburg.us](http://www.wattenburg.us) you will find the history of developing a way to save 40% of the donated blood on the shelves of hospitals. This was published in the *Journal of the American Medical Association* (JAMA), as noted in the university report. I gave the Red Cross a royalty free license to use this. I received an accommodation from the Red Cross

Please contact me anytime. I will be happy to help you in any way possible. I know what you are up against if you suggest anything other than the standard ground relief procedures.

Bill Wattenburg

**TO THE MEDIA EVERYWHERE:  
WE CAN SAVE THOUSANDS OF LIVES IN THE PHILIPPINES.  
FROM DR BILL WATTENBURG**

[www.wattenburg.us](http://www.wattenburg.us)

11-12-13

If you want proof of the above, click on this short official video by the U.S. Air Force. It will play on your computer. You will be shaking your head "WHY NOT?"

<http://www.youtube.com/watch?v=kCwxprZekpM>

THE U.S. MILITARY SHOULD BE DROPPING FOOD PACKAGES AND WATER BOTTLES WITHOUT PARACHUTES AND SCATTERING THEM OVER LARGE AREAS TO BE PICKED UP BY THE STARVING REFUGEES IN THE PHILIPPINES -- RIGHT NOW! WE DID IT FOR HUNDREDS OF THOUSANDS OF REFUGEES IN BOSNIA, AFGHANISTAN, AND FLOOD VICTIMS IN PAKISTAN. WHY NOT THE PHILIPPINES??

WE DID THE FIRST WIDELY PUBLICIZED EXPERMENTS TO DEVELOP THIS AIR-DROP SCHEME IN 1991-92 AT THE LAWRENCE LIVERMORE NATIONAL LABORATORY ( published in [Science, 2 April 1993, page 27](#) and [The San Francisco Chronicle, 23 March 1993, front page.](#)) WE PROVED THAT THE DROP VELOCITY OF MOST PACKAGES IS LIMITED BY AIR RESISTANCE NO MATTER HOW HIGH THE DROP ALTITUDE. EVEN MILITARY MEALS READY TO EAT BOXES (MRE'S) SELDOM BREAK UP HITTING THE GROUND (WE DROPPED THEM IN BOSNIA).

OUR AIR FORCE LATER DROPPED MILLIONS OF FOOD PACKAGES AND MRE'S WITHOUT A SINGLE PERSON BEING HURT. THEY SAVED THOUSANDS OF LIVES. THE FOOD PACKAGES "FLUTTERING" DOWN ARE SCATTERED OVER LARGE AREAS SO THE EVERYONE CAN PICK UP SOME FOOD. CHILDREN GET AS MUCH FOOD AS THE TOUGH GUYS. LOOK AT THE OFFICIAL VIDEO PREPARED BY OUR AIR FORCE TO BRAG ABOUT THEIR PROJECT THAT THEY NAMED "TRIAD" IN AFGHANISTAN. IT IS POSTED ON YOUTUBE.COM AT:

<http://www.youtube.com/watch?v=kCwxprZekpM>

ALMOST 20 YEARS LATER, SEVERAL POLITICAL LEADERS IN CONGRESS AND I PERSONALLY APPEALED TO THE GENERALS IN THE PENTAGON TO HELP THE REFUGESSES STRAVING IN HAITI. THE AIR FORCE "TRIAD" CREWS WERE ONLY A FEW HOURS AWAY AND READY TO GO. BUT THE PENTAGON ADVISORS SMUGGLY STATED THAT IT WOULD "CAUSE PANIC AND COST TOO MUCH !" THAT IS PURE CRIMINAL STUPIDITY. WE NOW KNOW THAT AT LEAST TEN THOUSAND DIED NEEDLESSLY IN HAITI BEFORE RELIEF TRUCKS ARRIVED. OUR TRAINED AIR FORCE "TRIAD" CREWS WERE ASHAMED OF WHAT THE PENTAGON CHIEFS REFUSED TO DO FOR HAITI. DON'T LET THEM IGNORE THE REFUGEES DYING IN THE PHILIPPINES NOW.

You can educate the White House and be a real hero to the dying refugees in the Philippines by bringing attention to this life saving scheme that was developed at the Lawrence Livermore National Laboratory and applied by the U.S. Air Force. We proved that millions of ordinary food packages can be dropped from high altitude and scattered all over large areas where they can be picked up by starving refugees who will die before ground relief trucks can reach them.

A section in my webpage at <http://wattenburg.us/foodforrefugees.html> provides all details and references on the history, feasibility experiments, and the applications of this life-saving scheme. Please don't let any lazy or ignorant bureaucrat tell you this can not be done easily and safely, as in the past.

**The TRIAD operation must be used immediately to rescue the refugees in the Philippines. Imagine your family members dying on the wet ground in the Philippines while food is only a few hours away by military transport planes.**