

# WAPIs for the World



## WAPI — Water Pasteurization Indicator



**Mission:** *A gift of life through clean water!*

**Vision:** *To have the ability to assist with safe and clean water to survive.*

**Bob and Karen Tait**

**503-810-8643**

[WAPIsfortheWorld@gmail.com](mailto:WAPIsfortheWorld@gmail.com)

**Extra Mile Ministries**

P.O. Box 1856 Clackamas,  
OR 97015, USA

**Margo Dawn, PR**

[margoWAPI@gmail.com](mailto:margoWAPI@gmail.com)

360-606-5179

[WAPIsfortheWorld.com](http://WAPIsfortheWorld.com)

[www.facebook.com/](https://www.facebook.com/WAPIsfortheWorld)

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A WAPI is a simple low cost device containing a special formulated wax that helps users determine when water has reached the pasteurization temperature. WAPI is a small thermometer. For a long time people have been made to believe that water is safe to drink only when we use chlorine, iodine or boiling for 20 minutes. However, pasteurization is not the same as sterilization – a process where everything including heat resistant spores are killed. Heat resistant spores that survive pasteurization are harmless. Pasteurization at 149°F is well below the boiling point of 212°F. Therefore, drinkable. It also saves valuable fuel which is being wasted by excessive heating, deforestation, urban air pollution and other energy-related environmental effects.

Un-pasteurized water is responsible for many illnesses and deaths we see world-wide. In developing countries, about 80% of illnesses are linked to poor water and sanitation conditions. Clean and safe water is essential to healthy living. An estimated 1.5 billion cases of diarrhea occur each year during the rainy season resulting in the death of nearly two million children worldwide. 1.3 billion people around the world do not have access to safe drinking water or latrines.

—[www.WHO.int](http://www.WHO.int)

It has been known since the late 1880s, when Louis Pasteur conducted groundbreaking research on bacteria, that heat can kill pathogenic (disease-causing) bacteria. It has been proven that when water is heated to 149°F (65°C) it will kill all disease-causing illnesses that normally affect the human body.

**WAPIs for the World** works hard to help this situation. We educate people about the WAPI and how using it can give them disease free liquids and train them in sanitation procedures. We reach out to help people with their fundamental rights, like having clean water to drink.

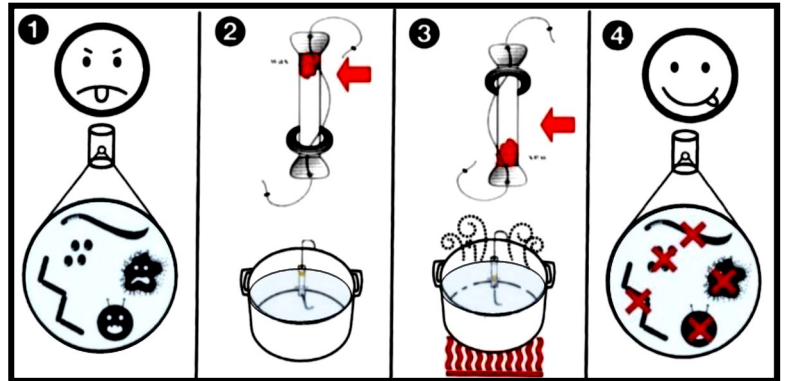
*A gift of life through clean water!*

## How and when to use a WAPI!

Place a WAPI into a pot with wax up and washer down. Bend stainless-steel wire at top of WAPI to fit over the lip of your pan. Pour water into pot or deep pan that is used for cooking and set pot over fire. Cover pot with lid to prevent bugs flying into water while heating. When the wax melts it drops to bottom of WAPI. Water is now pasteurized even if the water has cooled. Before reuse, allow a minimum of 15 minutes for wax to solidify before reuse. This allows the wax to cool for an accurate reading. Turn WAPI over and pull the wire through to opposite end. The WAPI is now ready to use again. If you are unsure water is clean, re-pasteurize.

Here is pictured instructions of how to use the WAPI. In many developing countries villagers don't know how to read, so we are now using *Agua Pura Para El Pueblo's* paper instructions on how to use a WAPI.

Thank you, Tom Carter.



## When to use the WAPI!

- Everyone should have a WAPI in their emergency pack.
- When camping, hunting, bicycling or hiking on the back roads.
- When your city says to boil your water, use "WAPI water" instead.
- WAPIs are used in the process of pasteurizing water as well as juice and other milks.

## WAPIs for the World is building rapidly!

We invite you to be one of our partners. If you have any questions or are interested in making, receiving or donating WAPIs, don't hesitate to contact us. We can help bring WAPIs to your organization, have a workshop in your location, or facilitate a youth project to make WAPIs. We are open to ideas. **Join us in saving children and their families.**

## How can you help this cause?

- Spread the word about this global effort.
- Deliver and distribute WAPIs to individuals who need clean water to survive in the US and around the globe.
- If you are traveling or know people who travel to other countries entertain the idea of obtaining a package of 50 or more to be distributed to families, individuals, communities and/or ministry organizations. All that is required is one WAPI per family regardless of how many family members. One WAPI can be utilized many times over; it is virtually indestructible.

**WAPIs for the World** is a non-profit 501(c)3 ministry assisting globally with safe and healthy water for survival. WAPI, an acronym for Water Pasteurization Indicator, is needed and used in developing countries and impoverished communities. We teach villagers how to use the WAPI for safe water, and clean sanitation.

*Together we can quench the thirst!*