

## *Our WAPI Project -- WAPIsfortheWorld.com*

Bob and I (Tom Carter) have worked together for the past 10 years, each in our own area, but with common interests overlapping. During that period, he has nearly perfected the WAPI he now makes. Bob has adapted them to the precise specifications of our mentor Dr. Robert Metcalf, precise specifications of our mentor Dr. Robert Metcalf, and they clearly are the best ones ever made.

A concern about Bob's WAPIs is they are handmade with a number of precise steps involved. For Bob though, this is not a problem because he uses them as a way to promote community involvement. For every handmade step there is a volunteer waiting. Schools, churches, even prison inmate groups make them beautifully, using the processes he has developed. From the beginning, Bob has donated and distributed 70,000 plus WAPIs world-wide with all volunteer help. The volunteers are proud of what they have done and grateful to Bob for the chance to help someone else have safe drinking water.

by Tom Carter

[aguapuraparaelpueblo.org](http://aguapuraparaelpueblo.org)

We also seek to expand the use of the WAPI that is effective as a thermometer verifying the safety of drinking water. The device is composed of polymer shaped into a vacuum tube that contains a small wax pellet. Heating the water to 149°F (pasteurization) causes the wax pellet to fall to the bottom of the tube indicating the water is safe to drink. The use of the WAPI precludes the need for boiling water, using disinfectant or water filters. WAPIs have been proven effective in killing water-borne pathogens.

Currently, manufacturing the WAPI is very labor intensive. The labor and material costs can be reduced if we can engineer a more efficient and automated manufacturing process. With the increase in demand that we anticipate as we explore more markets, engineering will allow us to commercialize the product more readily.

In the works, Bob has been working for several months with a friend to develop a new WAPI design. This engineer friend in California has sent several mold design ideas for the WAPI. We are anxiously waiting to see how things turn out.

by Pete Schmidt

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