My personal hobby is fishing. Fishing is the art of using a rod, line, and a hook to catch fish. Fishing can be done anywhere there is a body of water with fish. It can also be done from land, boat, and in some cases even underwater. Fishing is a worldwide sport that brings people of all ages together to enjoy each other, and the outdoors. I love fishing because my grandfather and mother taught me when I was young. My passion for fish has grown from there. Whenever I want to forget about the stress in my life it’s easy to go grab a fishing rod and head out to find a pond or lake to spend the afternoon. Growing up I didn’t get to see a lot of my grandfather, but whenever we went to visit him we always went fishing. As a young kid I always had fun fishing, and those memories have helped to establish it as one of my favorite hobbies. I have been lucky enough to catch a multitude of different species of fish. I have even been able to catch prized game fish such as Salmon, Steel head, Dolphin fish, and the prized Blue Marlin. As I grow older I look forward to continuing my fishing exploits while using technology to help me to catch new and bigger fish.

The iBobber is the newest and most efficient in fish finding capabilities. It works by attaching it to the end of your fishing line, and then casting it to the areas you are trying to reach. It has two main functions which can either help you map the underwater terrain for fish or help you find where the fish are hiding. A huge positive about the iBobber is that it’s only two inches wide. Most older fish sonar technology is large and bulky. It requires being fixed to the bottom of a boat hull, and thus can only provide data on the areas the boat can travel over. With the new iBobber fisherman can get data anywhere they can cast the bobber. This allows for much more flexibility when fishing around natural debris or man-made structures. It also includes weather forecasts and a up to date lunar calendar that
will help to keep you updated on water depths and fish feeding periods.\(^1\) The biggest positive is that it connects to iPhone and android which makes it easily usable to most fisherman. On the iPhone you would download the iBobber App in order to link the bobber with your phone. The App has a heads-up digital display of water depth, terrain, and temperature. It also shows fish that swim in its 135ft depth and 233-foot diameter on the waterbed.\(^2\) It displays these fish based on size and divides them into two groups. Fish that appear green on the iBobber app are fourteen inches long while fish that show up as yellow of the app are under fourteen inches.\(^3\) This differentiation system helps fisherman to determine fish size and adjust their baits to target their desired fish length.

This technology has honestly made my hobby easier. The whole goal of a fisherman is to “out smart” the fish. One of the biggest advantages a fish has is that a fisherman cannot see underwater. Before iBobber technology a fisherman could only see a fish using sonar if it swam under the boat. However, now with iBobber, the fisherman can go straight to where the fish is hiding. Fisherman can see exactly where the fish are hiding underwater and can easily gain the upper hand. Another pro is that with increased sonar capabilities your catch rate for fish will increase. One of the biggest issue with fishing is that many think it’s “boring” due to the long period of inactivity while waiting for a fish to bite. iBobber will help to cut down on the idea that fishing is “boring” by helping fisherman find fish and get them on the hook faster. A con is that iBobber might take the fulfillment out of fishing for some people. When I started fishing it was you versus the fish, and when you actually did hook up

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\(^3\) Root, Jim. “Portable Fish Finders: Head to Head Review - Deeper Pro+ vs iBobber.” Jim Root Fishing, 1 July 2017, jimrootfishing.com/head-head-review-deeper-pro-vs-ibobber/.
with a good-sized fish you felt a sense of accomplishment in knowing you had outsmarted the fish. iBobber takes some of the self-fulfillment away from the hobby. As I said earlier I think the more we digitalize fishing the more we lose what we originally valued in the hobby. It becomes less and less about your skills and knowledge versus the fish’s skills and knowledge and more about what technological advances do you have that will give you an edge. I personally would stick to regular boat sonar and wouldn’t use a device like this unless it was under a special circumstance.

Part 2

The tv episode I will be referencing is from *Rick and Morty* Season 3 Episode 8 “Morty’s Mind Blowers”. Rick and Morty is a cartoon show based on the often crazy and thought-provoking adventures of a super genius (Rick) and his grandson (Morty). In this episode, “Morty’s Mind Blowers”, Rick has invented a device that can erase memories (similar to that seen in the “Men in black Series”). Morty needs to get a memory removed so Rick takes him down to his lab where he keeps all of Morty’s previously removed memories. Once in the lab Morty becomes distraught over the realization that so many of his memories have been removed and put into bottles. Due to Morty’s curiosity Rick begins testing out the memories. Morty soon realizes that Rick has been manipulating his memories by only allowing him to remember what Rick desires. This infuriates Morty to the point where he and Rick get into a fist fight. Rick takes out the memory eraser and flashes Morty, but Morty is able to push Rick into the flash as well leaving both men sitting on the floor there with no recollection of the past events. In order to attempt to gain some idea of who they are, and why they are in a small confined room together they begin trying out memories again. The surge of old forgotten memories forces Morty into a rage, and he threatens to kill himself due to the fact that he has no control over what he gets to remember from his past. Rick, inspired by what Morty has decided to do insists on joining him. Right as the two are about to kill themselves Morty’s sister, Summer, finds them and stops them from harming themselves. Rick trained her in case a situation like this occurred, and Summer shoots both of them with tranquilizers. Once the two of them are knocked out Summer fixes their memories
and moves them upstairs to the living room. When Rick and Morty awaken they are watching TV on the couch with summer with no recollection of what had previously occurred.

This technology used in “Rick and Morty” is not widely available for use among normal citizens at this time in our world. I was unable to find any cases where someone could purchase a real like “Memory Eraser”. While this technology is not available there are scientist working around the clock to develop technologies like it. Due to enhances in brain scanning technologies we have been able to make advances in our abilities to alter our memories. It’s nowhere near as advanced as the technologies used in “Rick and Morty”, but it’s a start on the right path. Our current abilities mainly revolve around altering our memories during the reconsolidation period when our memories are strengthened and changed when we reflect upon our past.4 This technology is helping to solve many problems. Many people have horrible past experiences which can lead to phobias, anxiety, or PTSD. With the new knowledge provided to us we can start to help change people’s memories so that they no longer associate fear with certain aspects. For example, as a child a dog bit me. Due to this I always get bad anxiety around dogs and get extremely nervous when I’m around an overly energetic dog. This new knowledge would allow me to start forgetting what happened when I was little, thus stop associating dogs with fear. This knowledge could be applied to war veterans that suffer from PTSD to help calm their anxiety outbreaks and flashbacks5. Of course, this technology would cause new problems. It gives people the ability to alter the memories of others. There are many legal issues on when this type of technology could be used and how to use it. What Rick did to Morty would defiantly not be legal if this technology were to be made available to the public. All new technology can and will cause unforeseen problems, but the real issue is seeing if the benefits out weight the risk and then creating sanctions to help minimize the risks involved. I do believe that this technology is ethical because it can be used to help stop pain being done to people in our society. However, all technology can

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be used for unethical purposes, but that is why our government sets up laws and regulations to ensure that unethical practices are not carried out. I think that it will take at least 25-30 years until we see a device similar to the one used in the TV episode of Rick and Morty. We are still in the base stages of understanding what effects memories and how to change them.

**Work Cited**

