

# Paralog

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Oregon Paralyzed Veterans  
of America

SEE NEXT PAGE FOR ARTICLE ON  
MAGICWHEELS 2-GEAR  
WHEELCHAIR DRIVE



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"SERVING THOSE WHO SERVED"



# Research Update

## Mobility Innovations

By Anthony Marx, President

In the last two years I have been reviewing the progress and development of the Magic Wheels. It has been very important to me personally to track the progress and innovation of this product because of the years of wear and tear from pushing has done to my shoulders. There are a lot of products out there for assistive power wheels, however there are several drawbacks to those products for me personally. The first being as a C-5 quadriplegic it changes how I position my arms when I push. Another problem is the ease for side impact damage to the wheels. Because I travel a lot I cannot afford not being independent in my wheelchair.

When I first tested the Magic Wheels I was preparing myself for the worst. But once I started pushing up an incline with its geared system it blew my mind. With very little effort and pressure to push up inclines where I

needed assistance in the past, I was able to be more independent. The wheels in the normal push setting did not significantly change my effort or coasting distance compared to standard manual wheels. Even with the added weight of the Magic Wheels and not having to exert any additional energy for compensation was a great relief. The Magic Wheel also is very durable because of its carbon fiber composition. I can go off curbs without breaking spokes and travel on planes without worrying about damage to the rims.

Magic Wheels comes with a 5 year warranty which in the long run is cost effective. After looking at their website and have any questions as a user, give me a call. Having been in a manual wheelchair for more than 25 years I have seen about every homemade contraption out there to make pushing easier.

**MAGICWHEELS®**  
2-GEAR MANUAL WHEELS

NEW!  
Medicare approved  
HCPCS Code  
E2227

VA Approved: Contract #V797P-3144M

## Geared wheels proven to reduce shoulder pain by over 55%<sup>1</sup> — *without batteries or motors!*

**Climb with ease.** Similar to bicycle technology, shifting into low gear eases the challenge of inclines and uneven terrain.

**Hill holding.** When in low gear, this automatic feature prevents the wheelchair from rolling backwards.

**Increased downhill control.** In low gear, stopping is easier because only half the force is needed.

**VETERANS!** Call today to arrange a test drive at your local VA or to receive a free product DVD!



**Barry Long, MAGICWHEELS® user since 2004.** "With MAGICWHEELS® I can live without shoulder pain, which benefits me and my family."

**1 866-624-4294**  
[www.MagicWheels.com](http://www.MagicWheels.com)

*Isn't it time to shift gears?*

<sup>1</sup> Finley, M.A., Rodgers, M.M. "Effect of 2-Speed Geared Manual Wheelchair Propulsion on Shoulder Pain and Function." Archives of Physical Medicine and Rehabilitation. Vol. 88, December 2007, pgs 1622-1627.