



**DEL NEGRO & SENFT**  
**EYE ASSOCIATES**

Neptune

Red Bank

Brick

**Carl J. Senft, M.D.**

# Experience



- Graduated from Duke University with a Bachelor of Science degree in 1989.

- Masters of Science in Human Nutrition at Columbia University.

- M.D. from Wake Forest University School Of Medicine in 1995.

- Chief Resident during his senior year at SUMMA Health System in Akron, OH.

- Cornea Fellowship Louisiana State University Eye Center and received a Fight For Sight grant to perform research.

- Board-certified Eye physician & surgeon.

- Associate professor at JSUMC.

- Specialize in advanced cataract surgery, corneal surgery, external eye disease, and refractive surgery.

# Electronic Visual Aids

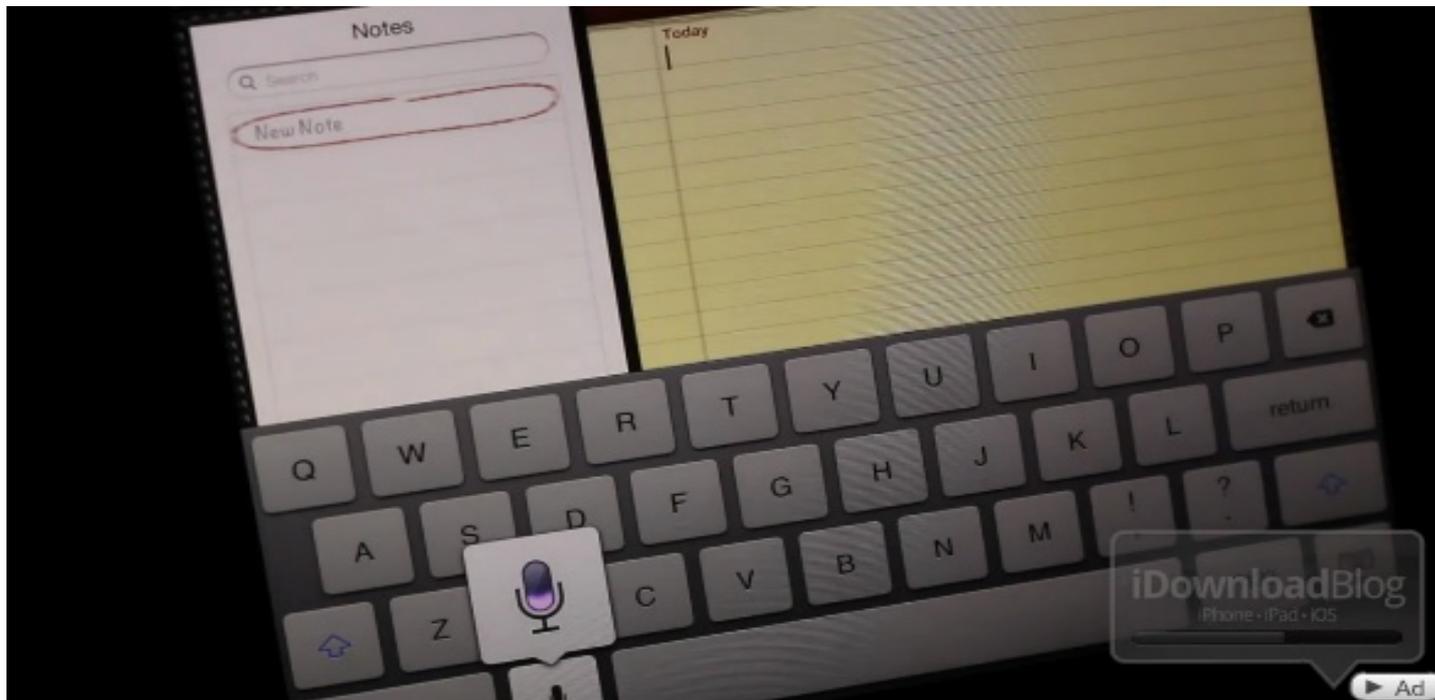
-Reading Machines

-Kindle

-iPad

# Dictation

Speak what you want to type with the click of a button. Works with all built-in applications and some third party apps, including Facebook and Twitter.



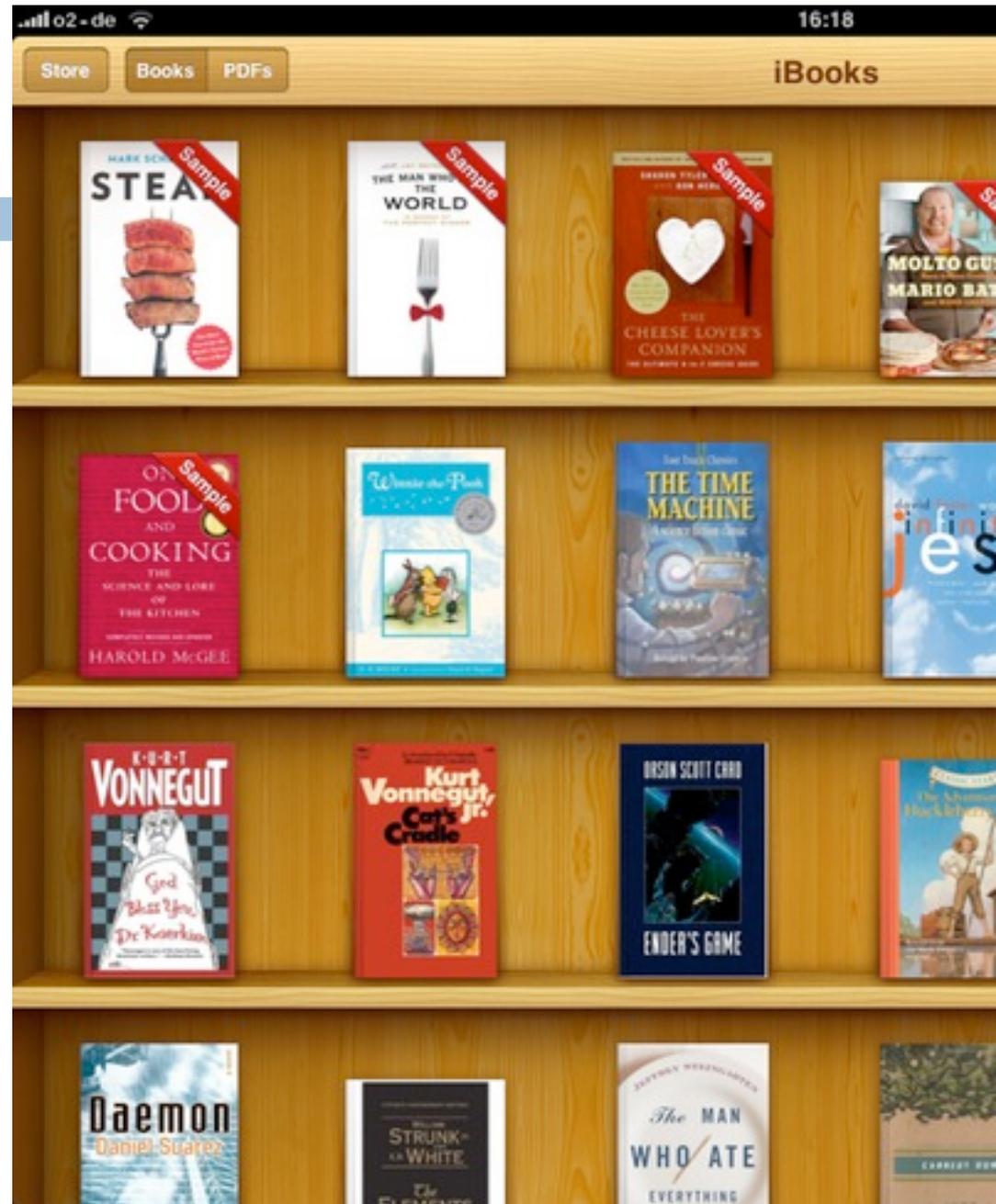
# VoiceOver

- Touch the screen to hear an items description, then double tap to open it
- Can speak in 36 different languages
- Speaking rate can be adjusted
- Will read letters – or words – out loud to you as you type them
- Works with all built-in apps



# iBooks

- Compatible with VoiceOver
- Can be tailored to suit the way you read



# Wireless Braille Displays



iPad, iPhone (3rd generation or later), and iPod touch (3rd generation or later) support more than 30 Bluetooth wireless braille displays right out of the box. Just pair one and start using it to navigate your iPad, iPhone, or iPod touch with VoiceOver — no additional software needed. In addition, iPad, iPhone, and iPod touch include braille tables for more than 25 international languages.

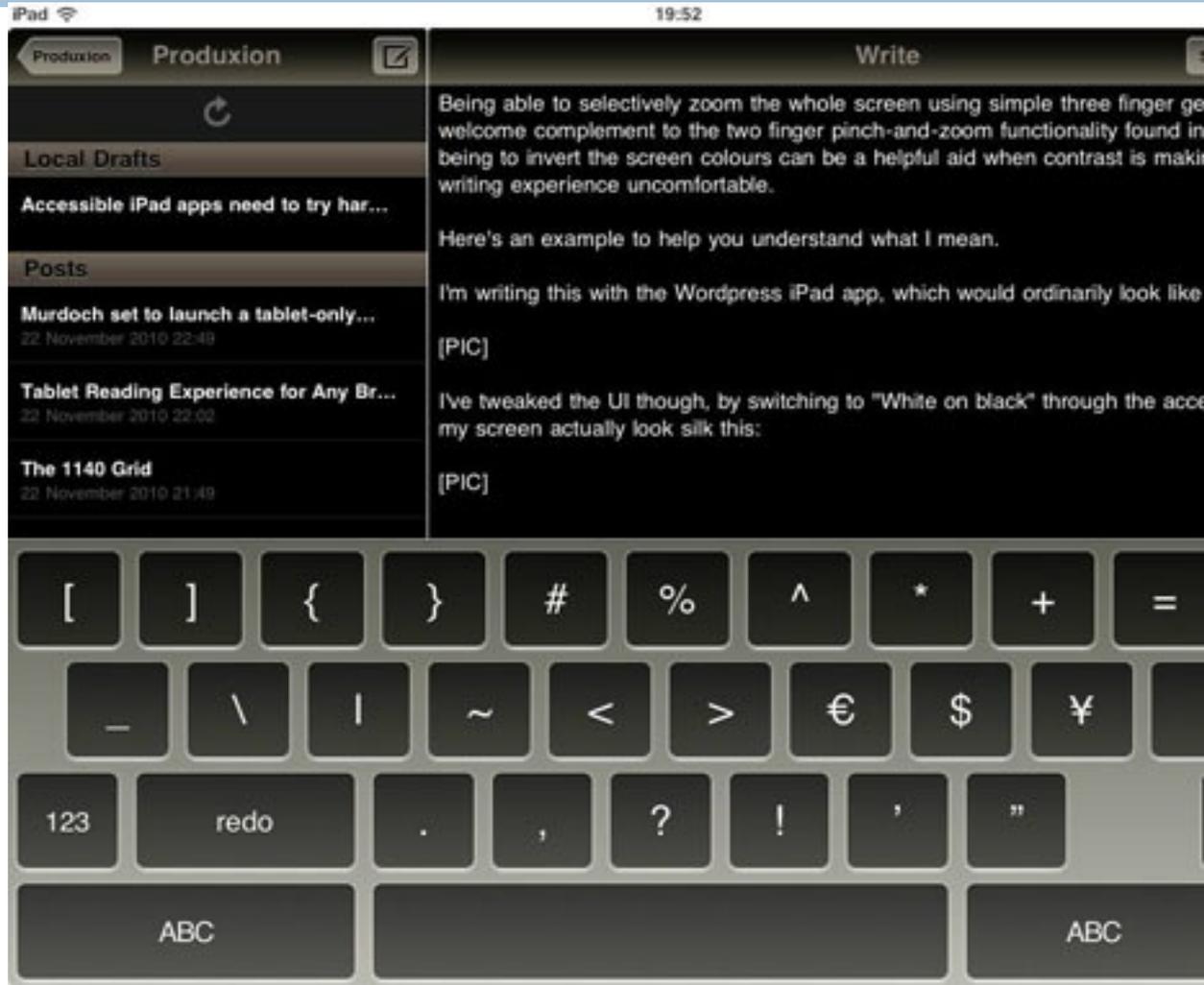
# Zoom

Magnify the entire screen of whatever application you're using.

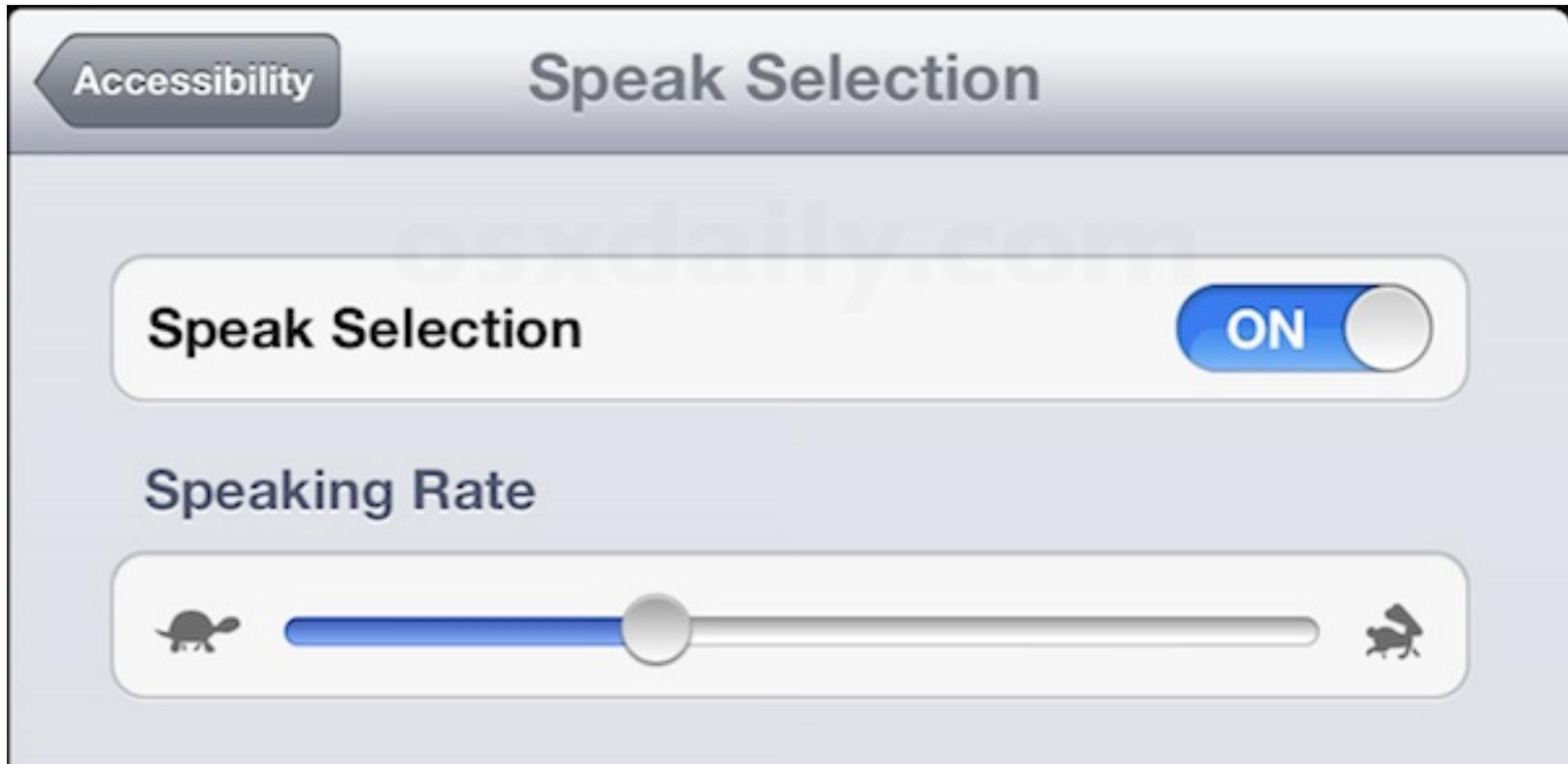


# White Text on Black

- Change your settings from black text on white background to white text on black background
- Works with all applications



# Speak Selection



Highlight any text and it will be read aloud.

# Large Text



Increase the size of any text in mail, contacts, calendar, messages, and notes.

# Headset Compatibility



# Audible Alerts

Get alerts for  
mail and  
calendar  
events.



HOW TO ACTIVATE



Settings →  
General →  
Accessibility



## Low Vision Defined

**20/70 best corrected or worse**

**Any vision that impairs activities of daily living; reading, driving, seeing colors**

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## Resources

[kellogg.umich.edu](http://kellogg.umich.edu)

# Organizations

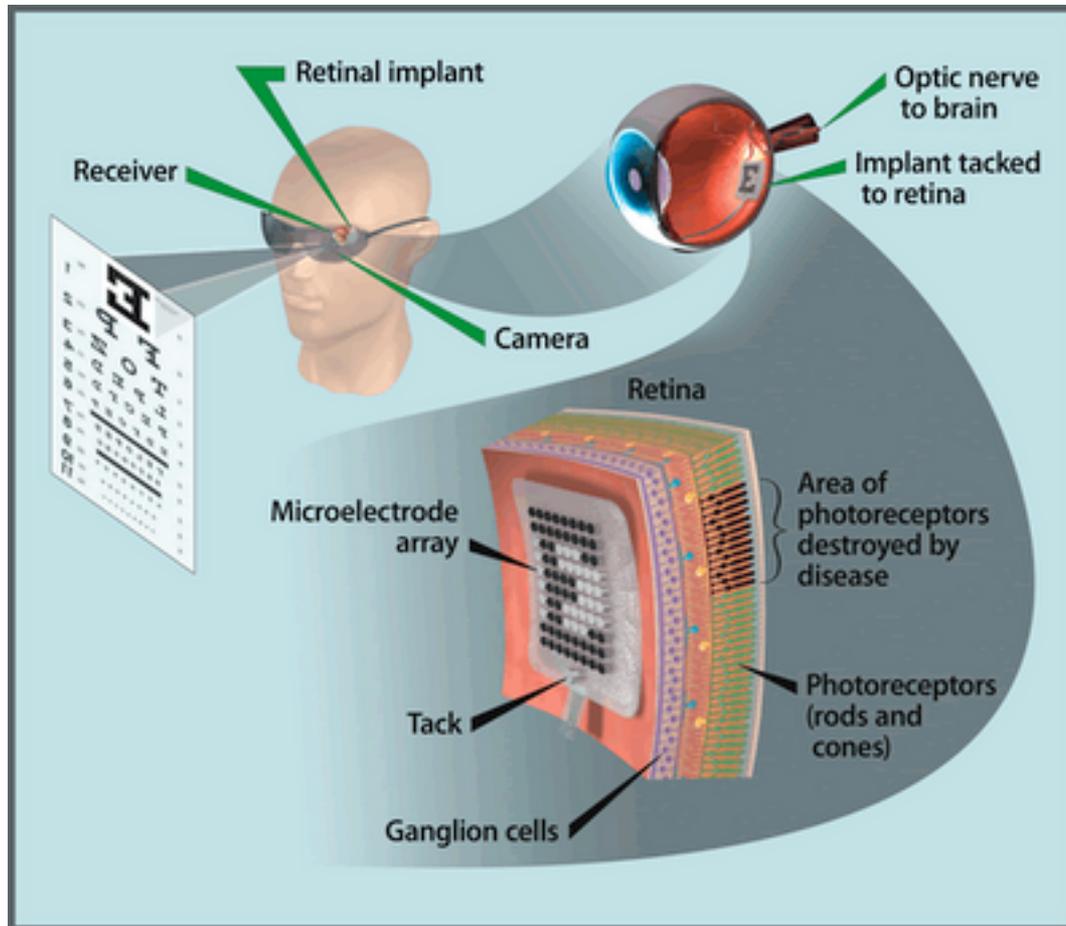
**AAO**

**Lighthouse International**

**National Federation for the Blind**

**Prevent Blindness America**

# Argus II retinal implant



# **How Does the Argus II® Retinal Prosthesis System Work?**

The Argus II is intended to be implanted in a single eye, typically the worse-seeing eye. The individual wears glasses equipped with a camera that captures images and converts them into a series of small electrical pulses.

The pulses are transmitted wirelessly to the prosthesis and its array of electrodes on the surface of the retina. These pulses are intended to stimulate the retina's remaining cells, resulting in the corresponding perception of patterns of light in the brain. The patient then learns to interpret these visual patterns, thereby regaining some visual function.

**Google Glass**

**Meta-smart**

**Glassup**



Imagine getting walking directions to the Eifel Tower and then getting historical info about the structure just by looking at it.

Bicyclists, joggers and those with sight impairment can be assured they're walking or riding in the proper direction without looking down at their phone.

Navigation display solutions beyond the norm of “an arrow on a map.” Possibilities include an overlay of relevant navigation information over a users' entire field of vision that is both informative and unobstructive.

Self-navigating cars already a reality.

Visit us at  
[DSeye.com](http://DSeye.com)  
to learn more about your  
Ocular Health