High-Tech Toys 2014

- 2014 is 18th year!
- Agenda
  - Random technology update
  - Applications
    - Communications
    - Emergencies
    - Tech hobbies
  - Q&A along the way
The High-Tech Toy

Definition
- Gadget+more
- Takes all spare cash
- Need more than one
- Novelty to others
- Necessity to us!
Toy of the Year

- Chromecast
- HDMI dongle
- Stream anything
- $35
Virtual Reality

- Oculus Rift
  “Crystal Cove”
- Best of CES 2015
- 1080p OLED display
- Used by NASA & ISS
- 50,000 developer units
Bulb Flashlight

- Regular LED lamp
- + Internal battery
- 3-hours emergency light
- $45 (Museum of Modern Art)
Active Illumination

- APALS AIR
- Marker LED lights
- 35-80-hours
- Sticks to anything
Explosion Proof Flashlight

- ATX-20-SE explosion proof flashlight
- Class 1, Division 1 hazardous locations
- HID lamp
- 1200-lumens
- 1/2 mile range
- $575
Flashlight (Favorite EDC)

- Since 2010!
- Proton PRO Personal LED
- Single AA battery
- 2W Cree LED
  - ~115 max lumens
- White & Red beams
- 4 Safety strobe modes: Slow - Medium - Fast - SOS
- Signal / Morse Code mode
- $44
EDC Runner Up

- Nitecore EC1
- CR123A
- 280-lumens
- Constant current dimming
- Red LED & voltmeter
- $55
Laser Flashlight

- Phosforce puts out up to 500 lumens
- One of the most powerful & efficient portable flashlights in the world
- Illuminate or incinerate
- $380
- Battery of the year
- Panasonic 18650
- 3.7-v
- 3400-mAh
- PCB protected
- Designed-in consumer applications
- $17
Hand-Warmth Flashlight

- Thermoelectric Hollow Flashlight
- Peltier power from hand warmth
- 15 year old inventor
Lantern

- GE Chromalit 3D
- Remote phosphor design
- Dimming
- 4 D batteries
- $20
Marine Cooler

- Pelican Elite 45qt
- Up to 10 days ice retention
- Freezer grade gasket, 2" polyurethane insulation
- Dual Handle System (Molded-in & Hinged Handles)
- Press & Pull Latches (Wide for Gloved Use)
- Molded-In Tie Downs
- ~$320
Wink Egg Monitor

- View amount of eggs via app
- Receive notifications when eggs go bad or running low
- Blinking LED shows which egg is oldest
- Holds up to 14 eggs
- $70-80
Wink Spotter Multipurpose Sensor

- Monitors temperature, humidity, motion, light and sound
- Android and iOS
- Set rules, monitor actions and receive push-notifications
- AC or AA power
Portable Power

- Goal Zero Yeti 1250 Solar Generator Kit
- 1250 Watts pure sine wave
- Powerpole input!
- Powerpole output!
- USB & 12VDC auto socket
- $1300-1800
PowerTrekk

- Not solar powered
- Fuel cell puck
- Pocket sized
- 1-tsp water activated
- Charges cellphone
- $200
**WaveJet**

**Pod Mounting Ring**
Ring secures pod to the board for surfing in any conditions.

**Release Keyhole**
Remove the pod by depressing the release latch with the supplied key.

**Twin Intakes/Jets**
Lightweight aluminum impellers produce 20 lbs of thrust.

**Power Switch**
One touch engages power so that wrist controller can be used to turn Power Pod on and off.

**Wrist Controller**
One touch on, one touch off using SeaTooth® Technology.

**Charging Port**
Simply plug into a household outlet and recharge in 3.5 hours.
Fast eBike

- Specialized Turbo bike
- 28-MPH
- Controlled by pressure on pedals
- $5900
DIA Parrot

- Digital picture frame
- Bluetooth streamed
- Photos
- Display has depth
Eyewear - Mobile Computing

SEE. STREAM. SHARE.
Social Video Editing & Cloud Storage Software Included

- $270-$500
Suunto Elementum Terra Watch

- Watch
- 3D compass
- Altimeter
- Barometer
- $900
Waterproof Cellphone

- Kyocera Torque
- Android
- Meets IP67 standards for dust and water immersion
- Military Standard (Mil Spec) 810G for dust, shock, vibration, temperature extremes, blowing rain, low pressure, solar radiation, salt fog, humidity and immersion for up to 30 minutes in up to 1 meter (3.28 ft) of water
Game Console

- Sony - PS4 500GB Console
- 5M sold in 90-days
- Social hub, share play
- PS3 games, controllers and some accessories are not compatible with the PS4
- $400
BioLite Stove

- Burns sticks, leaves, wood
- USB charging (4W max)
- $130
Dash Cam

- Cobra CDR 810
- Embedded G-Sensor
  automatically saves clips when impact detected
- Rechargeable Lithium Ion Battery, 140° Wide Angle Lens, Emergency Record Button, EIS Anti-Shake, Built-in Microphone & Speaker, Mini USB Port, MicroSD Card Slot (up to 32GB), A/V Output.
- $100
Ski Nav

- Recon GPS ski goggles
- Near-eye display
- BPM widget
- Bluetooth
- 30 fps
- SDK available
- $?
Smart Window

- Smart glass blocks heat or light at flick of a switch
- Small voltages applied to the material trigger it to block heat and, independently, light.
3D Printer

- Stratasys Mojo
- Print your toys
- Legal issues
  - Copyrights
  - Can you sue the genie back into the bottle?
- $9,900
Wireless Speaker

- BEM Mobile Bluetooth Speaker
- 2.6-in cube
- Aux in
- Aux out (!)
- $40
Handheld Radio

- KG-UV3D
- 128 Channel Handheld Amateur Radio
- Dual band 2M/440 or 2M/220
- 1700 mAh Li-ion battery
- $120
FRS

- Cobra® CXT545C GMRS-FRS Two-way Radios
- WX alert
- USB charge
- LED light
- $49
Mobile Radio

- TM-V71A
- High RF Power Output (50W)
- 1,000 Multifunction Memory Channels
- Dual Receive on Same Band (VxV, UxU)
- Invertible Front Panel
- $380
AM/FM Radio

- CCRadio-EP
- Bass & Treble knobs can be adjusted for best music or voice rendition
- Internal/External antenna Switch
- Spring loaded wire terminal for external AM antenna
- "F" Connector for external FM antenna
- Line-In for MP3 players
- 6V AC adapter (included) or runs on four optional "D" batteries
- Super long life LED lighted dial
- $80
WiFi HT

- IP100H WLAN Radio
- VOIP VPN
  - 50-m RF range
  - Worldwide
- 100 users
  - IP1000C controller
- No license
Wrap Up

- Questions
- Answers
- Thank you!