

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

The advertisement features four circular images illustrating the use of APALS AIR LED marker lights in different activities: WATER SPORTS (a person in a kayak), CYCLING (a person on a bicycle), RIDING (a person on a horse), and RUNNING / JOGGING (a person running). Below these images is a row of six small images showing the LED lights in different colors: AMBER, BLUE, GREEN, RED, WHITE, and PINK. The text 'AVAILABLE IN SIX COLORS' is written below the color swatches. To the right, a larger image shows the APALS AIR LED marker light with a 'new product' badge and the text 'PINK APALS-AIR®'. Below this, a smaller image shows the LED light with its battery and a coin cell. The text 'LED' is prominently displayed in large letters, with 'Active Illumination Reflective™' written below it. The background of the advertisement is dark with a red and black diagonal design.

WATER SPORTS CYCLING RIDING RUNNING / JOGGING

AVAILABLE IN SIX COLORS
• AMBER • BLUE • GREEN • RED • WHITE • PINK

new product
PINK APALS-AIR®

LED
Active Illumination Reflective™

- Can be seen up to 1/2 mile
- Operation time: 80+ hours.
- Modes: Steady On / Fast Strobe / Slow Strobe / Off

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



BOTY

- 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



PowerTrek

- 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 20lbs 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!