Notes For SLCC Zoom Meeting 2-11-2025

Hosted by Kevin

In Attendance, Kevin, Richard, Scott Bob, and Michael

Quick recap

The meeting covered a range of topics including Scott's ongoing struggles with repairing his tow-behind tiller, discussions about property maintenance and gardening equipment, and various technical issues and solutions related to computer systems and 3D printing projects. Participants shared their experiences with home cleaning, organization, and storage solutions, as well as their recent 3D printing endeavors and design challenges. The group also touched on topics such as computer fan technology, ammunition purchases, and potential shooting range setups.

Next steps

• Scott to continue working on fixing the tiller, including attempting to remove the rusted pulley and installing new bearings.
• Richard to mail the Atari cartridge to Scott.
• Richard to replace the flagpole components with 3D printed parts to avoid frequent replacements.
• Scott to design or find a clamp to attach a solar light to his flagpole.
• Kevin to follow up with Richard in a couple of days regarding airport pickup.

Summary

Tiller Repair Challenges and Solutions

Scott discusses his ongoing struggle with repairing his tow-behind tiller. He has encountered multiple issues, including broken belts, disintegrated bearings or bushings, and a rusted-on pulley. Scott has tried various solutions, including 3D-printed bushings, bronze bushings, and steel spacers, but each fix has been temporary. He spent two days repairing more than tilling before the rain came. Scott is considering how to remove the problematic pulley to install a whole bushing, which he hopes will last longer. The group briefly discusses the possibility of replacing the tiller, given the amount of time and effort Scott has invested in repairs.

Scott's Garden Tilling and Equipment

The meeting involved a discussion about Scott's property, specifically the garden area that he is tilling to level it out. Scott mentioned that the area is 420 feet long and 10 feet wide, and he plans to till it before the spring so that the rain can settle it and the grass can fill in. He also mentioned that he found broken buried fence posts and a pipe while tilling. The group also discussed the possibility of renting a bobcat for the task, with Kevin suggesting a day rental from Home Depot or a similar company. Bob mentioned a Ryobi battery-operated tiller that he was considering, but Scott pointed out that his current tiller, which he bought used for $200, works well when towed behind a tractor. The conversation ended with Michael joining the conversation.

Technical Issues and System Solutions

The team discussed various technical issues and solutions. Michael was trying to program a Fujit thing but was facing issues with the serial port. Kevin was struggling with a Sidecar T for STs that emulates cartridges, floppies, and a hard drive. Richard suggested using a breakout for the USB C. Michael was working on a NUC plus 4 system and had added a mini player

module. Kevin mentioned having a Noctua fan in his Falcon. They also discussed the cooling system of their systems, with Michael's running cooler than a conventional Atari. Kevin was trying to get his little unit to work on his Mega ST.

Computer Fan Evolution and Mounts

The group discusses computer fan technology and its evolution. Kevin mentions forgetting to upgrade their computer fan, leading to noise issues. Michael and others note that fan technology has improved over time, with newer systems being much quieter. Kevin describes modern fan control features in BIOS settings, allowing for different profiles based on usage. Richard then shares his unique camera mount solution for his large monitor, which uses a magnet to attach to the screen without damaging it. The conversation briefly touches on old CRT monitors and degaussing coils.

Bulk Disk Erasure and Shooting Range

The team discussed various topics, including the use of electronic devices for erasing disks in bulk, the potential for sector 0 errors when formatting disks, and the storage of floppy disks. Richard suggested using an electronic device to erase disks in bulk, while Kevin expressed concerns about sector 0 errors. The team also discussed the storage of floppy disks, with Kevin mentioning that they had received two boxes of double-sided double-density disks from Bob. Scott shared his recent purchase of 500 rounds of 9mm ammunition for personal defense and mentioned his struggles with accuracy at the range. The team also discussed the possibility of setting up a shooting range at Bob's house, with Michael suggesting the use of train targets.

3D Printing Projects and Challenges

Scott and Michael discussed their 3D printing projects. Scott shared his recent work, including printing out phrases to put in ammo boxes, remote control holders, and pushings for various equipment. He also mentioned his ongoing project of printing a bearing for a tiller, which he hopes to complete soon. Michael shared his recent project of building docking stations for his voice over IP system using his 3D printer. Both agreed on the usefulness of their 3D printers for various projects and the challenges they face in measuring and aligning the prints.

Cleaning and Maintenance Discussions

The team discussed various topics, including cleaning and maintenance of their homes and workspaces. Richard shared his efforts to declutter and clean his house, including removing old computer parts and dealing with mold on his deck. He also mentioned a leak in his door and plans to replace it with an outward-opening door to prevent water intrusion. Michael and Don shared similar experiences with their doors, with Michael considering replacing his door and Don mentioning his time constraints. The team also discussed the importance of recycling and the use of Clorox to clean mold.

Storage Solutions and Personal Experiences

In the meeting, the team discussed various topics including their personal experiences with cleaning and organizing, the use of clear containers for storage, and the storage of 3D printing materials. Richard shared his experience of finally mailing an Atari cartridge to Scott, and Michael mentioned his procrastination in sending a vision board to a friend. The team also discussed the use of different brands of containers and the importance of consistency in storage solutions. Scott shared his experience of using box wine boxes for storage and the use of adjustable shelving for filament storage. The team also discussed the use of sealed

containers for storing filament and the importance of keeping materials dry.

3D Printing Experiences and Designs

The team discussed their experiences with 3D printing and design. Scott shared his successful use of TPU for printing gaskets for his gas caps and a magnet strip for his robot vacuum cleaner. Richard detailed his process of designing a light module, including the challenges he faced and the solutions he implemented. Michael showcased his modular docking station design, which he created using SketchUp. The team also discussed the use of Thingiverse for parametric designs and the importance of using the right software for 3D printing.

3D Printing Experiences and Solutions

The team discussed their experiences with 3D printing, with Richard sharing his struggles and successes in making a specific item. Michael shared his neighbor's impressive collection of bamboo printers and the various items he creates with them. Scott expressed his need for a clamp to hold a solar light on his flagpole, and Richard suggested a possible solution. The team also discussed the durability of plastic components in their flagpoles and the need for replacement. The conversation ended with Kevin thanking everyone and promising to call Richard in a couple of days.