



Dan Snyder –

- Muffler clamps \$?
- .024" music wire \$10
- Indexer parts \$5
- Thermocouple probes \$10 for 2
- Keyless drill chuck \$1
- Stepper motors, 5 pcs \$30 for 5
- Small Boston Gear Co. gears \$2/ea
- Pull switch, heavy duty \$? No takers
- Soldering Iron base and temp controller \$12
- Small AC motor, 1550 RPM \$?
- Weller soldering station \$25
- Liquid flow gauges \$1/ea

John Miller –

- Old multi-pole relays, box full Free

Matt Rulla –

- Cement mixer \$150 (no takers)

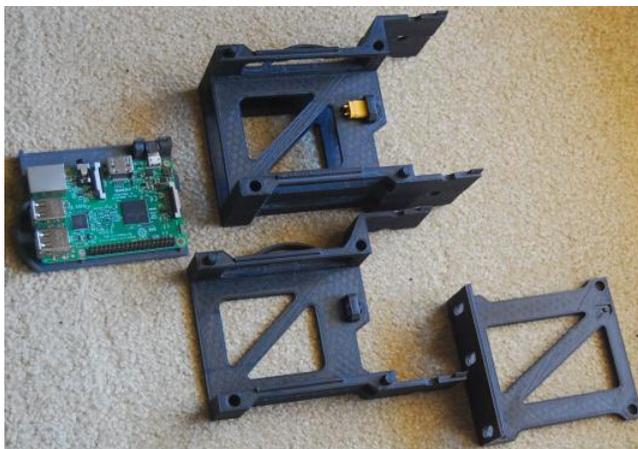
Butch –

- Bakelite tipped drill press handles \$2
- MT2 end mill holders, set of three \$15
- MT2 dead centers, set of three \$5
- MT1 to J33 Jacobs adapter \$2
- Various matching cone pulley sets \$40

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Show and Tell

Michael Vulpillat – Discussed his current project for the USS Iowa. It is a 3D printed custom designed rack for a bank of Raspberry Pi computers. The assembly consists of a carrier for the direct mounting of the PCB as well as the stackable sections into which the carrier slides. These



stackable sections can be built up until they are wide enough to span a 19" rack. He designed the 3D parts in Sketchup and then exported the files to his printer.



Part of the discussion involved the type of material used in the printing process. Instead of the more commonly used PLA (Poly Lactic Acid) plastic filament, Michael was using ASA

(Acrylonitrile Styrene Acrylate). He prefers this latter material due to its ability to be machined and filed, welded (with Acetone) and it's UV tolerance.



Fred Bertsche – Fred provided an update on the Farm Boy club engine. The ignition had been acting up at recent events. Upon opening up the module he found that the solid state driver (IGBT Transistor) had died and the coil was fried (the magic smoke had been released). His plan was to purchase and install a Jerry Howell 6V ignition system. It was suggested by club members that he be reimbursed for this from the club treasury.

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SCHSM welcomes presentations by members or guest speakers on any subject related to metal working activities. If you have some knowledge or experience you feel may be of interest to our members, or if you know someone that may have something interesting to relate, please consider making a presentation at a meeting. Presentations may be a little longer and more detailed than a show and tell, and may be accompanied by slides, video, or physical displays. Probably every member has some experience they can share, and this is the purpose of SCHSM. Please contact President Charlie Angelis to make arrangements to give a presentation.

SCHSM meets in Classroom AJ115 on the first floor of the Industry and Technology building of El Camino College, 16007 Crenshaw Blvd. Torrance, California, at 2:00 p.m. on the first Saturday of every month. The building is near Parking Lot B. Enter the campus from Manhattan Beach Blvd.

If you would like to contribute an article to this newsletter, or make a comment, contact the editor, Fred Bertsche. He can be reached via the SCHSM Yahoo Group, or at [fbschsm@yahoo.com](mailto:fbschsm@yahoo.com).

Find us on the web at [www.schsm.org](http://www.schsm.org).