\*\*\*REPEAT QUESTONS FOR CAMERA\*\*\*
If you have a question please raise your hand and I’ll try to get to you. Please keep it brief!
 **UM Page 1:** KFEST Refreshments
UM Is Offering Free Espresso, Coffee, and Tea To All Past Supporters and Customers.
All Others Are Asked For A $1 Donation.
UM Travel Mugs: $10 Unlimited Refills.

**UM Page 2:** Year In Review
Launch of Ultimate-Micro.com.
 New “UM” logo to more easily identify collaborative projects.

**UM Page 3:** Year In Review
Always looking to work with people or help market your project.Anyone looking to collaborate, please contact us.

Good example is Dagen Brock’s MiniMemoryTester.

\*\*\*REPEAT QUESTONS FOR CAMERA\*\*\*

**UM Page 4:** Year In Review
UA2 Launch of Support Forums and New Store.
 Manuals – Software – Support

Ant and I were awarded the coveted “Apple II Forever Award”
 For excellence in hardware design and our service and dedication to the Apple II Community.

**UM Page 5:** Year In Review
UM Completed and Released Projects (14-15 items)

**UM Page 6:** Year In Review
Project Review Team Partners: Chris and Joe.
 Chris does Assembly Lines.
 Joe does Joe’s Computer Museum.

**UM Page 7:** KFEST Releases
A2DiskController v1.2?
RAMWorks IIII Kit
Universal PSU Kit
Apple Confidential Files!
 Thanks to Javier Rivera.
 Anon donor.

Available in the ReActiveMicro Downloads, as well as all these session slides and our notes.

\*\*\*REPEAT QUESTONS FOR CAMERA\*\*\*

**RM Page 1:** News
Completed and Released Projects (13)
Note progression of projects.
 PSU project - Needed clean power before other projects could continue.
 8Meg RAM Card project – Prove 4MB DRAMs were viable.
 SOJ Adapters - Needed for RAMWorks IIII kit project.

**RM Page 2:** News
Standard Features on ALL projects:
 Gold Fingers on Edge Connector – Long life, less contact issues.
 Tantalum / Ceramic Parts: Size, “Dry” parts. Long life and stability – 4x min.
 Resettable Fuse – Protect board and Apple II from trace damage.
 Power LED – Shows Fuse is working.
603 sized parts now.

\*\*\*REPEAT QUESTONS FOR CAMERA\*\*\*

**RM Page 3:** News
Released Schematics.
 CV Tech 8 Meg RAM Card
 RAMWorks III
 RAMWorks III 2 Meg Expander
Another way I try to give back to the Community. Share info.
Commitment to Open Source.

Via and Track Sizing Guides
 Brought last units for anyone who wants one.

**RM Page 4:** News
RM is going to be a lot more Active (no pun intended) starting now – this half of the year on.
 More solo projects.
 UM store is nicely fleshed out, RM is now fully set back up from hiatus.

New Wiki!
 ReActiveMicro.com/wiki
 Like apple2faq.com, but more open.

New Store / Website.

\*\*\*REPEAT QUESTONS FOR CAMERA\*\*\*

**RM Page 5:** KFEST Release
Part of RM new direction.
 Phasor

Raffle
 MDT – 1 ticket $5, 3 tickets for $10.
 Phasor – 1 ticket $5, 3 tickets for $10.
 4 of each for $20.

**RM Page 6:** News
Henry did an interview with OpenApple Podcast (#55).
Moved to KiCAD.
Milestone projects:
 Universal PSU Kit
 No-Slot Clock v1.3
 RAMWorks IIII Kit (designed for KFEST / SolderFEST)

\*\*\*REPEAT QUESTONS FOR CAMERA\*\*\*

**RM Page 7:** Universal PSU Kit
KGSP for projects and testing.
No perfect solution available.
Will have Session.

**RM Page 8:** No-Slot Clock v1.3
Fixed some issues.

**RM Page 9:** RAMWorks IIII Kit
Another first for RM – Most dense DRAM in an Apple IIe.
Designed for KFEST / SolderFEST.
Circuit can be reused.

**RM Page 9:** New Issues Encountered
Socket Stretch.
All New Adapters Designed With DIP Plugs (.015 mil pins)
Apple Used Low Quality Sockets

\*\*\*REPEAT QUESTONS FOR CAMERA\*\*\*

**RM Page 10:** New Issues Encountered
A2Heaven’s RAMWorks VGA
Found And Resolved Issues In Platinum IIe
Issue Confirmed Fixed By Joe Strosnider (Joe’s Computer History Museum)
Plamen Vaysilov Including Mod On All New Boards
Also do repairs!

**RM Page 11 & 12:** Project Plan 2016-2017

Universal HDMI Adapter
TransWarp v2
IIe Kit
RAMWorks IV (16Megs)
RAMWorks Compatible RGB Card
3.5” Disk Controller (SWIM IC)
Apple II/+ ROM/Language Combo
Phasor v2
Amiga / Commodore
Open Source and Unlocked

Commitment to openness and sharing.
Files to be linked on the Wiki.
Mention discounted prices for those who bought things at full price or donated hardware.\*\*\*REPEAT QUESTONS FOR CAMERA\*\*\*

**RM Page 13:** Project CollaborationAnyone looking to collaborate, please contact me.

TransWarp v2 – Geoff Body
IIe Kit - Britt Dodd
Phasor v2 – Tom Arnold
Amiga PSU - John Swiderski / Jeremy Moskowitz

 **RM Page 14:** Project Collaboration – With you!
Collaboration doesn’t just mean you work with me.

Able To Help Review Projects And Layouts
Recommend ICs And Find Bulk Sources
Diagnose Issues And Find Solutions
Help Bring Projects To Market

This can be other, larger, non-hobby projects as well.

\*\*\*REPEAT QUESTONS FOR CAMERA\*\*\*

**RM Page 14:** Project Collaboration – Example
Justin Scott
Triple-Trouble & Interface Two

Xander Mass
Firmware Development Card
“Smart” Prototyping Board

**DONE! Thanks!**Everyone here. Everyone I forgot.
You for coming, the Community.
Woz for making the Apple II.
KFEST Committee for their time and efforts to make KFEST happen.

Not Used:

In talks with Steve Malecheck from AE.

Projects still all hand assembled. TWGS v1.1 was not. This is break from tradition.

Ask for suggestions.

Free Sizing Guide after session.