

(Quiet synthesizer music)

[Pop captions up]

**Ray Maxwell:** HI, I'M RAY MAXWELL, AND TODAY I'M GOING TO TEACH YOU ABOUT VIDEO 101.

**Alex Lindsay:** AND I'M ALEX LINDSAY, AND I'M GONNA TALK ABOUT VIDEO 102 RIGHT HERE ON "THE LAB WITH LEO LAPORTE."

[Pop captions down]

(Theme music playing)

(Sound of dial-up modem)

[MUSIC]

**Leo Laporte:** (Laughing)

I WAS DOWN THE HALL.

[Pop captions up]

**Leo Laporte:** I HEARD THE MUSIC. DID THE SHOW START?

**Kate Abraham:** (Chuckling softly)

**Leo Laporte:** OH, OKAY, PHEW!

(Panting)

HI, I'M LEO LAPORTE.

**Kate Abraham:** WE'D HAVE WAITED FOR YA.

**Leo Laporte:** I HEAR THE MUSIC, AND IT'S LIKE "WHOA!"

[Pop captions down]

**Kate Abraham:** (Laughing)

**Leo Laporte:** THIS IS THE SHOW WHERE WE HELP YOU UNDERSTAND TECHNOLOGY, LADIES AND GENTLEMEN.

[Pop captions up]

**Leo Laporte:** WE TALK ABOUT,  
AS YOU CAN SEE, VIDEO CAMERAS,  
CAMCORDERS, MP3 PLAYERS, HOME  
THEATRE, COMPUTERS A LITTLE BIT,  
THE INTERNET, AND, OF COURSE,  
THE LOVELY KATE ABRAHAM.

[Pop captions down]

**Kate Abraham:** HELLO.

**Leo Laporte:** WHO IS KELLY GREEN.

**Kate Abraham:** THERE YOU GO!

**Leo Laporte:** IS IT ST. PATRICK'S DAY?

**Kate Abraham:** IT COULD BE BY  
THE TIME THIS AIRS.

(Both laughing)

**Leo Laporte:** EPISODE 162, AND  
WE'RE GONNA TALK ABOUT ALL SORTS  
OF INTERESTING THINGS.  
RAY'S GOT KIND OF STUFF FOR THE  
BASIC VIDEOGRAPHER, PEOPLE LIKE  
YOU AND ME WHO ARE GONNA DO THIS  
AT HOME, AND THEN ALEX IS GONNA  
TALK ABOUT THE HIGH-END STUFF  
FOR PEOPLE WHO REALLY HAVE MONEY  
TO BURN.

**Kate Abraham:** MM-HMM.

**Leo Laporte:** WOW.

ALSO [kinzin.com](http://kinzin.com), A NEW SOCIAL NETWORK.  
SO LOTS MORE GOOD STUFF COMIN' UP.  
YOU'RE GONNA DO A TIP, WE'VE GOT  
A GADGET, BUT I THINK THE MOST  
IMPORTANT PART OF THIS SHOW IS  
GONNA BE MICHAEL, JULIAN AND MATTHEW.

**Kate Abraham:** ABSOLUTELY.

**Leo Laporte:** YOU KNOW WHO THEY ARE?

**Kate Abraham:** I DO INDEED.

**Leo Laporte:** YOU DO BECAUSE  
YOU ARRANGED THIS WHOLE THING  
FOR THEM!

THESE ARE OUR CALLERS!

**Kate Abraham:** YES, THEY ARE.  
WE HAVE MICHAEL, AND HE IS FROM  
BRISBANE IN QUEENSLAND, AND HE  
IS UP ON A LOVELY SATURDAY MORNING.

**Leo Laporte:** AWW... THANK YOU, KATE.

[Pop captions up]

**Kate Abraham:** THANK YOU.

**Leo Laporte:** HI, MICHAEL.

HOW ARE YOU TODAY?

**Michael:** I'M VERY WELL.

THANK YOU FOR HAVING ME, LEO.

**Leo Laporte:** WELL, THANKS FOR  
GETTING UP EARLY ON A WEEKEND!

**Michael:** (Chuckles)

I KNOW!

**Leo Laporte:** (Laughing)

"I KNOW," HE SAYS.

IT'S A BEAUTIFUL PICTURE FROM  
BRISBANE, THOUGH.

I TELL YA, THAT LOOKS BEAUTIFUL!

[Pop captions down]

**Leo Laporte:** WHAT CAN WE DO  
FOR YOU TODAY?

**Michael:** SUNNY MORNING, ONLY  
28 DEGREES.

**Leo Laporte:** OH!

YOU'RE MAKIN' US JEALOUS.

IT'S POURING RAIN, FREEZING  
TEMPERATURES OUT THERE, AND  
YOU'VE GOT THE SUN, THE SURF,  
THE SAND.

(Sighs deeply)

WHAT CAN WE DO FOR YOU TODAY?

**Michael:** LEO, I'M ONE OF  
THESE NEW MAC PEOPLE.

**Leo Laporte:** AH, A SWITCHER.

**Michael:** I'M A SWITCHER.

**Leo Laporte:** HE'S A SWITCHER.

**Michael:** I THINK IT MIGHT BE  
A LEAN CHRISTMAS AT MICROSOFT  
THIS YEAR.

**Leo Laporte:** (Chuckling)

IT MIGHT BE.

I THINK THIS MIGHT BE A BAD --  
2008 MAY NOT BE A GOOD YEAR FOR  
MICROSOFT, I HAVE TO SAY.

**Michael:** WE WON'T MENTION THAT.

**Leo Laporte:** NO.

**Michael:** I'VE SET UP  
TIME MACHINE, WHICH IS GREAT --

**Leo Laporte:** YEAH.

**Michael:** AND I PROBABLY  
DIDN'T THINK WELL ENOUGH WHEN I  
RACED OUT AND BOUGHT AN EXTERNAL  
HARD DRIVE BECAUSE THE EXTERNAL  
I BOUGHT IS 300 GIG, BUT THE  
INTERNAL IN THE MAC IS 500 GIG.

**Leo Laporte:** RIGHT.

**Michael:** SO AS I'M REACHING  
MY 300 GIG, I'M THINKING, "WELL,

MAYBE I'M RUNNING OUT OF ROOM."

**Leo Laporte:** (Laughing)

**Michael:** AND I WOULD LIKE TO  
EXPAND THE DRIVE.

**Leo Laporte:** THERE ARE A  
COUPLE OF THINGS YOU CAN DO  
ABOUT THIS.

TIME MACHINE IS GREAT.

THAT'S THE --

I'M RUNNING IT RIGHT NOW.

THIS IS THE BACKUP PROGRAM

THAT'S ON THE MAC.

ACTUALLY, LET ME GO INTO IT

BECAUSE IT'S SO COOL THE WAY YOU  
GET INTO IT.

SO I'M HERE.

I'M LOOKING AT MY DOCUMENTS

FOLDER, AND I'M SAYING, "WAIT A MINUTE.

THERE'S SOMETHING MISSING.

I'D BETTER OPEN TIME MACHINE."

TIME MACHINE OPENS UP, AND NOW

YOU SEE ALL THESE IN THE BACK?

WE CAN GO BACK IN TIME TO OLDER

VERSIONS OF THIS FOLDER, LOOKING

FOR WHAT WE WANT.

HERE'S THE TIMELINE DOWN HERE,

SO WE CAN ZOOM BACK IN TIME.

NOW, THERE'S A LOT OF EYE CANDY

HERE, AND --

(Chuckles)

AND FRANKLY, I DON'T KNOW IF

THIS IS THE BEST WAY TO BACK UP.

WHAT IT'S REALLY DESIGNED FOR IS

PEOPLE WHO NEVER BACK UP, AND IT  
GIVES THEM SOME INCENTIVE TO BACK UP.

"OH, YEAH, THERE'S THE FILE I  
WAS LOOKING FOR!

THERE'S THE FILE I WAS LOOKING FOR!  
LET'S RESTORE THAT."

AND WE RESTORE IT, AND WE GO  
BACK TO THE FUTURE, AND IT'S  
BACK ON OUR DRIVE.

NOW, THAT WAS A VERY COOL EXPERIENCE.

ACTUALLY, I ALREADY HAD THAT  
ONE, SO I'M NOT GONNA --

I'M NOT GONNA --

I'LL KEEP THE ORIGINAL ON THAT.

BUT YOU MAKE A VERY GOOD POINT.

WHAT THEY --

BY DEFAULT, THE WAY TIME MACHINE  
IS SET UP IS IT BACKS UP EVERYTHING.

IN FACT, SO THAT WOULD MEAN YOU  
WOULD NEED A HARD DRIVE THAT'S  
ACTUALLY BIGGER THAN YOUR  
HARD DRIVE ON YOUR COMPUTER TO  
BACK UP EVERYTHING, BUT YOU  
DON'T HAVE TO BACK UP EVERYTHING.

SO THE FIRST THING TO DO IS, I  
WOULD SAY, IS CHANGE THE  
TIME MACHINE SETTINGS.

YOU DON'T --

YOU KNOW, THERE'S NOT A LOT OF  
OPTIONS, BUT YOU CAN AT LEAST  
EXCLUDE FOLDERS.

I WOULD, FRANKLY, EXCLUDE MOST  
OF YOUR APPLICATIONS.

THAT'S GONNA TAKE --  
BECAUSE YOU'VE GOT COPIES OF THOSE.  
I WOULD EXCLUDE YOUR SYSTEM FOLDER.  
YOU KNOW, YOU'VE GOT YOUR COPY  
OF YOUR OPERATING SYSTEM, RIGHT?  
SO YOU DON'T REALLY NEED THAT.  
WE'RE GONNA GO TO  
"LAB HARD DRIVE," AND WE'RE  
GONNA EXCLUDE THAT, "EXCLUDE ALL  
SYSTEM FILES."  
SO THESE --  
THIS IS ACTUALLY GONNA REDUCE  
YOUR NEED BY QUITE A BIT, AND  
PROBABLY 300 IS A LOT.  
YOU'RE NOT GONNA HAVE --  
YOU KNOW, WHAT I WISH THEY WOULD  
DO IS INSTEAD OF HAVING  
EXCLUDES, SO YOU'VE GOTTA GO ONE  
BY ONE THROUGH THIS, I WISH  
THEY'D HAVE AN INCLUDE, BECAUSE  
IF THEY HAD AN INCLUDE, THE ONLY  
THING I WOULD INCLUDE WOULD BE  
THE USERS FOLDER AND PROBABLY  
ONLY MY USERS FOLDER, MY HOME FOLDER.  
THAT'S ALL YOU REALLY WANT TO  
BACK UP IN ANY SANE BACKUP SCHEME.  
SO IF YOU FEEL AMBITIOUS, GO  
AHEAD AND EXCLUDE EVERYTHING BUT  
YOUR HOME FOLDER, YOUR BASIC --  
THIS IS MY HOME FOLDER.  
THAT'S ALL THE STUFF YOU REALLY  
WANT, AND THAT'S GONNA BE  
CONSIDERABLY LESS THAN

300 GIGABYTES.

THEN YOU'LL HAVE LOTS OF SPACE.

NOW, WHEN TIME MACHINE REACHES

THE END OF THE LINE, WHAT IT

DOES IS IT STARTS DELETING OLDER

STUFF, SO IT DOESN'T HAVE ALL

THE BACKUPS.

YOU KNOW, THE TIME SCALE SLOWS DOWN.

NOW, YOU POINT OUT THAT YOU

COULD GET A NEW DISK.

YOU CANNOT COMBINE DISKS,

THOUGH, UNFORTUNATELY.

YOU CAN ONLY USE ONE WHOLE DISK.

[Pop captions up]

**Leo Laporte:** SO YOU'RE GONNA

HAVE TO SAY, "OH, I'LL USE THAT

300 GIG I BOUGHT FOR SOMETHING

ELSE; LET ME BUY A 750 OR

SOMETHING LIKE THAT."

**Michael:** OH, I SEE.

A RAID ISN'T AN OPTION?

**Leo Laporte:** SAY AGAIN?

RAID WOULD BE AN OPTION, BUT NOT --

YOU'D HAVE TO -- NOT REALLY.

YOU'D HAVE TO PUT THEM IN A RAID ENCLOSURE.

YOU COULD DO THAT.

YOU KNOW, I'LL SHOW YOU ONE WAY

YOU COULD GO THAT ACTUALLY WOULD

SOLVE THAT PROBLEM.

[Pop captions down]

**Leo Laporte:** IT'S CALLED DROBO, AND IT'S NOT REAL RAID,

BUT IT'S AN INTERESTING IDEA.

[Pop captions up]

**Leo Laporte:** SO YOU'D TAKE  
YOUR EXTERNAL HARD DRIVE OUT OF  
THE CASE, AND YOU'D PUT IT IN  
THE DROBO, AND MAYBE YOU'D GET  
ANOTHER DRIVE.  
YOU CAN PUT MISMATCHED DRIVES OF  
ANY SIZE IN HERE, AND IT JUST  
ADDS THEM ALL UP.

[Pop captions down]

**Leo Laporte:** NOW, IT'S REDUNDANT, WHICH IS KIND OF  
NEAT, SO IT MEANS THAT IF ONE  
DRIVE FAILS, YOU CAN SWAP IT OUT  
AND PUT ANOTHER ONE IN, SO --  
AND IT ALLOWS YOU TO EXPAND IT  
KIND OF INFINITELY.

SO IT'S A VERY GOOD CHOICE FOR A  
BACKUP DRIVE.

NEGATIVES, IT'S EXPENSIVE.

IT'S ABOUT 400 OR 500 BUCKS JUST  
FOR THE ENCLOSURE, NOT INCLUDING  
THE DRIVES.

ALSO, IT'S A LITTLE NOISY,  
DEPENDING ON THE DRIVES YOU PUT IN IT.

IF YOU PUT FOUR NOISY DRIVES,  
THE THING'S GONNA SOUND REALLY LOUD.

I HAVE A DROBO AT HOME.

I LOVE IT.

IT HOLDS A TERABYTE, BUT IT'S NOISY.

IT HAS SOME --

I MEAN, YOU KNOW, IT'S GOOD  
BACKUP, THOUGH, BECAUSE IT NEVER  
RUNS OUT, AND THAT'S ACTUALLY  
WHAT I USE FOR MY TIME MACHINE.

THE OTHER POSSIBILITY IS JUST  
GETTING SOMETHING LIKE THIS.  
WE'VE GOT A GIANT WESTERN DIGITAL.  
THAT'S A TERABYTE DRIVE.

**Sean Carruthers:** YES, YOU CAN  
GET THEM IN TWO TERABYTES AS  
WELL AT THIS POINT, PROBABLY  
FOUR SOON.

**Leo Laporte:** RIGHT.  
NOW, THOSE AREN'T --  
ARE THOSE RAID OR NOT?

**Sean Carruthers:** THESE ARE  
RAIDED TOGETHER AS ONE GIGANTIC  
VOLUME, AND I BELIEVE YOU CAN  
ACTUALLY TURN THIS INTO A --  
INTO MIRRORED AS WELL, SO --

**Leo Laporte:** SEE, I DON'T WANT --  
I DON'T LIKE YOU TO USE RAID MIRRORED.  
I WANT YOU, I WANT YOU --  
WHAT YOU REALLY NEED TO DO IS  
USE RAID 5, WHICH HAS BUILT-IN  
REDUNDANCY.

THE PROBLEM WITH COMBINING  
DRIVES TO MAKE A RAID IS IF ANY  
ONE OF THOSE DRIVES FAILS, THE  
WHOLE ARRAY IS DEAD, WHICH MEANS  
YOU'VE GREATLY INCREASED THE  
CHANCE OF FAILURE BECAUSE IT'S  
EACH, THE CHANCE OF FAILURE FOR  
EACH DRIVE MULTIPLIED TOGETHER.  
THAT MEANS YOU'RE MUCH MORE  
LIKELY TO LOSE ALL YOUR DATA IF  
YOU PUT IT ON A RAID DRIVE THAT

YOU MADE A RAID ZERO OUT OF JUST  
TO INCREASE THE SIZE.

BETTER TO DO RAID 5, WHICH DOES  
TWO THINGS.

IT DOES INCREASE THE SIZE, BUT  
IT ALSO HAS REDUNDANCY SO THAT  
IF A DRIVE FAILS, YOU JUST PULL IT OUT --  
THAT'S WHAT THE DROBO DOES.

YOU PULL IT OUT, AND YOU PUT A  
NEW ONE IN, AND NOW YOU'RE GOOD TO GO.  
YOU HAVEN'T LOST A BIT OF DATA.

SO TWO CHOICES FOR YOU.

ONE IS TO REDUCE THE  
TIME MACHINE REQUIREMENTS.

THAT'S WHAT I WOULD DO.

I THINK TIME MACHINE BACKS UP  
WAY TOO MUCH.

SECOND CHOICE, GET AN ENCLOSURE.

TAKE THAT 300-GIG DRIVE, PUT  
ANOTHER 300-GIG IN THERE OR  
MORE, AND MAKE A BIG RAID 5  
THING, AND THERE ARE LOTS OF  
CHOICES FOR RAID 5 ENCLOSURES  
BESIDES THE DROBO.

THE DROBO HAS SOME NICE  
FEATURES, THOUGH.

IF YOU JUST DO A SEARCH FOR  
RAID 5 ENCLOSURES, YOU'LL FIND A  
BUNCH OF STUFF.

ALL RIGHT, MICHAEL?

**Michael:** THANK YOU VERY MUCH, LEO.

YOU'VE BEEN VERY HELPFUL.

**Leo Laporte:** WELL, AND LET ME

CONGRATULATE YOU ON THINKING  
ABOUT BACKUP.

MOST PEOPLE DON'T THINK ABOUT  
BACKUP UNTIL IT'S --

(Chuckling)

IT'S TOO LATE TO BACK UP, SO --

AND THAT'S WHY I DO LIKE  
TIME MACHINE.

AT LEAST IT ENCOURAGES PEOPLE IN  
A KIND OF A FUN WAY TO MAKE  
BACKUPS OF THEIR DATA.

TAKE CARE, MICHAEL!

**Michael:** HAVE A GOOD DAY, LEO.

BYE-BYE.

**Leo Laporte:** CHEERS!

ENJOY YOUR SATURDAY.

ALL RIGHT, NOW IT'S TIME TO TAKE  
A BREAK.

COMING UP, MIKE --

RAY, THAT'S RIGHT.

[Pop captions up]

**Leo Laporte:** RAY MAXWELL'S  
COMING UP, VIDEO 101, TIPS AND  
TRICKS FOR YOU AND YOUR  
CAMCORDER, WHEN "THE LAB" CONTINUES.

[Pop captions down]

**Leo Laporte:** STAY RIGHT HERE.

(Lively digital music)

COMMERCIAL

(Theme music playing)

**Leo Laporte:** WELCOME BACK TO "THE LAB."

LEO LAPORTE HERE, AND OUR GOOD  
BUDDY, RAY MAXWELL, HAS STOPPED

BY WITH A BUNCH OF COOL CAMERA JUNK.

**Ray Maxwell:** (Chuckling)

**Leo Laporte:** I LIKE THIS!

THIS IS MY IDEA OF A GOOD TIME.

SEE, I DO A LOT OF TV, BUT AT  
HOME I'M A KLUTZ WHEN IT COMES  
TO VIDEO --

**Ray Maxwell:** (Chuckling)

**Leo Laporte:** AND I NEED TO  
LEARN MORE BECAUSE I WANT TO DO  
MORE WITH THIS.

**Ray Maxwell:** YOU'VE GOT ALL  
THESE PROFESSIONALS IN THE  
STUDIO TO TAKE GOOD CARE OF IT.

**Leo Laporte:** EXACTLY.  
I DON'T NEED TO KNOW HOW TO DO  
THIS STUFF.

**Ray Maxwell:** RIGHT.

**Leo Laporte:** SO SHOW US WHAT  
YOU'VE GOT HERE.

[Pop captions up]

**Ray Maxwell:** I'M GONNA SHOW  
YOU A FEW BASIC HINTS TODAY  
ABOUT THINGS THAT YOU CAN DO,  
THINGS NOT TO DO AND THINGS TO  
DO TO IMPROVE YOUR HOME VIDEO.

[Pop captions down]

**Leo Laporte:** WELL, WE'LL  
START WITH THIS.  
THIS IS A STANDARD CAMCORDER.

**Ray Maxwell:** RIGHT.

**Leo Laporte:** IN FACT, IT'S  
ABOUT 800 BUCKS RIGHT NOW.

THEY'VE DROPPED IT IN PRICE

QUITE A BIT.

[Pop captions up]

**Leo Laporte:** THIS IS THE CANON HV-20.

**Ray Maxwell:** THAT'S CORRECT.

**Leo Laporte:** IT'S A HIGH-DEFINITION CAMCORDER --

**Ray Maxwell:** YES.

**Leo Laporte:** VERY HIGH-QUALITY --

[Pop captions down]

**Ray Maxwell:** YEAH.

**Leo Laporte:** VERY REASONABLY- PRICED.

NOW, THE REASON I'M HIDING THIS  
LENS IS THAT'S NOT PART OF IT, IS IT?

**Ray Maxwell:** NO, THAT'S AN  
EXTRA, AND I'M GONNA SHOW YOU  
WHAT IT DOES AND HOW IT WORKS.

**Leo Laporte:** COOL!

[Pop captions up]

**Ray Maxwell:** I'VE GOT A FEW  
B-ROLLS HERE THAT I'M GONNA  
SHOW, AND THE FIRST THING --

**Leo Laporte:** THIS IS STUFF  
YOU SHOT AROUND THE LAB.

**Ray Maxwell:** YEAH, AND I SHOT  
THIS IN THE LAST --

**Leo Laporte:** THE OTHER DAY.

**Ray Maxwell:** THE OTHER DAY.

**Leo Laporte:** YEAH.

**Ray Maxwell:** AND I JUST WANT TO SHOW --

[Pop captions down]

**Ray Maxwell:** I'M GONNA ROLL THIS.

**Leo Laporte:** DID YOU EDIT THIS AT ALL?

**Ray Maxwell:** AND I DID, AND I

WANT TO SHOW YOU --

**Leo Laporte:** LOOK HOW

(Unclear), HOW (Unclear),

HIGH-QUALITY THAT IS.

**Ray Maxwell:** THIS IS JUST NOW

GOING THREE SECONDS PER, OKAY?

NOW, FOR THIS KIND OF MONTAGE,

JUST KIND OF GIVING PEOPLE THE

FEEL OF WHAT'S GOING ON BEHIND

THE SCENES HERE IN THE LAB, THIS

IS GREAT, BUT IF YOU WERE, YOU

KNOW, FILMING THE GRAND CANYON

OR SOMETHING LIKE THAT, THAT'S

TOO SHORT.

**Leo Laporte:** THREE SECONDS.

**Ray Maxwell:** YEAH.

**Leo Laporte:** I HAVE TO SAY,

THOUGH, YOU JUST GAVE ME AN

IDEA, BECAUSE I'M ALWAYS LOOKING

AT MY VIDEO, GOING, "WHAT DO I DO?"

JUST A BUNCH OF THREE-SECOND CLIPS.

**Ray Maxwell:** YES.

**Leo Laporte:** YOU DON'T HAVE

TO PUT IT ALL TOGETHER.

**Ray Maxwell:** RIGHT.

**Leo Laporte:** IT JUST TELLS A

STORY JUST BY ITSELF.

**Ray Maxwell:** RIGHT.

**Leo Laporte:** OKAY.

**Ray Maxwell:** BUT YOU DON'T WANT TO --

**Leo Laporte:** IDEA NUMBER ONE.

**Ray Maxwell:** REMEMBER, IT'S

NOT A STILL CAMERA.

**Leo Laporte:** THREE'S ABOUT RIGHT?

**Ray Maxwell:** WELL, I LIKE TO  
RECORD FIVE TO TEN EVERY TIME,  
AND THEN I CAN TRIM IN.

**Leo Laporte:** THEN YOU CAN PICK THE THREE.  
GOT IT.

**Ray Maxwell:** THE OTHER THING  
YOU WANT TO KEEP IN MIND IS YOU  
WANT TO PUT WHAT ARE CALLED --  
IF YOU'RE GOING TO EDIT IN  
SOMETHING LIKE FINAL CUT PRO OR  
EXPRESS, YOU WANT TO PUT HANDLES  
ON EACH SCENE.

**Leo Laporte:** I'VE GOT HANDLES.

**Ray Maxwell:** (Laughing)  
ON YOUR TAPE.

**Leo Laporte:** LOVE HANDLES?

**Ray Maxwell:** ON YOUR TAPE.

**Leo Laporte:** OH, OKAY.

**Ray Maxwell:** AND YOU HAVE TO  
PUT A FIVE-SECOND LEAD-IN AND A  
FIVE-SECOND TRAILER.  
IT GIVES YOU ROOM TO DO CAPTURES  
AND GIVE THE --

**Leo Laporte:** WELL, I NOTICED  
YOU HAD DISSOLVES BETWEEN THE  
TWO CLIPS.

**Ray Maxwell:** YES, I PUT THOSE  
IN FROM THE EDITING.

**Leo Laporte:** SO YOU PROBABLY  
NEED HANDLES FOR THOSE, TOO.

**Ray Maxwell:** YEAH.

**Leo Laporte:** (Laughing)

**Ray Maxwell:** YES, YOU DO.

**Leo Laporte:** YOU DO!

I KNOW YOU DO!

**Ray Maxwell:** YOU HAVE TO HAVE THEM.

**Leo Laporte:** I'M NOT AS STUPID AS I SOUND.

**Ray Maxwell:** RIGHT.

SO NOW I'M GONNA ROLL THIS NEXT  
ONE, AND I'M GONNA SHOW YOU WHAT  
NOT TO DO.

**Leo Laporte:** THIS IS WHAT MY  
VIDEOS LOOK LIKE.

**Ray Maxwell:** RIGHT.

NOW, THIS IS WHAT --

THIS SAYS, "AMATEUR."

WATCH THIS.

IT'S A FAST PAN.

**Leo Laporte:** YEAH, PANNING BACK AND FORTH.

**Ray Maxwell:** FAST PAN.

NOW, WHAT ARE WE GONNA DO NEXT?

OH, NOT STEADY.

OH, PAN BACK.

**Leo Laporte:** (Laughing)

**Ray Maxwell:** OH, MY.

AND THEN WE'RE GOING TO --

**Leo Laporte:** THIS IS MY VIDEOS.

**Ray Maxwell:** ZOOM OUT.

**Leo Laporte:** YEAH.

DO NOT PAN AND ZOOM.

YEAH, ALL MY STUFF IS LIKE THAT.

**Ray Maxwell:** THIS MAKES PEOPLE SICK!

**Leo Laporte:** SO WITH THE  
FIRST ONE, YOU HAD PRETTY MUCH  
STATIC SHOTS.

**Ray Maxwell:** YES.

**Leo Laporte:** AND YOU JUST CUT THEM UP TO GIVE THE MOVEMENT AND THE MOTION.

**Ray Maxwell:** RIGHT.

**Leo Laporte:** THIS, YOU'RE TRYING TO DO IT ALL IN THE CAMERA, AND THAT'S DUMB, I MEAN UNLESS YOU'RE "CSI --"

**Ray Maxwell:** EXACTLY.

**Leo Laporte:** AND YOU'RE A PRO, AND YOU KNOW WHAT YOU'RE DOIN'.

**Ray Maxwell:** DON'T DO IT.

**Leo Laporte:** OKAY.

**Ray Maxwell:** NOW, THE NEXT THING I'M GONNA SHOW YOU IS AN EXAMPLE OF WHAT I CALL "PAINTING." NOW, WHAT CAUSES THIS IS PEOPLE HAVE THEIR NORMAL LENS ON THEIR VIDEO CAMERA, AND THEY DON'T HAVE ROOM INSIDE A ROOM TO BACK UP, AND THEY WANT TO SHOW YOU EVERYTHING THAT'S ON THE WALL. SO I'M GONNA ROLL THIS.

**Leo Laporte:** I DO THIS ALL THE TIME.

**Ray Maxwell:** AND, OH, HERE WE HAVE STEVE OVER HERE, AND THEN NOTICE ALL THE CUTE THINGS ON THE TABLE, AND, OH, HERE'S -- YOU KNOW, HERE'S LEO AND SEAN, AND NOTICE THE THINGS ON THE SHELF OVER HERE.

I WANT YOU TO SEE THOSE.

**Leo Laporte:** PAINTING!

YOU ARE!

YOU'RE PAINTING!

**Ray Maxwell:** THIS IS PAINTING.

NOW, I TAKE THIS WIDE ANGLE  
LENS, AND LOOK AT THIS SHOT.

**Leo Laporte:** NOW, THIS IS AN  
ADDITIONAL ADD-ON.

OH, WOW, THAT MAKES A BIG DIFFERENCE.

NOW I SEE EVERYTHING.

**Ray Maxwell:** YEAH.

**Leo Laporte:** SO THAT'S AN ADD-ON THAT YOU PURCHASE FOR  
ABOUT 150 BUCKS?

**Ray Maxwell:** YES.

**Leo Laporte:** AND THEY'RE SPECIFIC TO YOUR CAMERA.

**Ray Maxwell:** YES, THAT ONE IS  
A CANON, MADE FOR THE HV-20.

**Leo Laporte:** MADE FOR THE HV-20.  
BUT MANY CAMERAS, YOU MAY NOT  
NOTICE THEY'RE THREADED --

**Ray Maxwell:** YES.

**Leo Laporte:** AND YOU CAN ADD  
THESE LENSES ON TOP OF THEM.  
YOU'RE NOT TAKING THE OLD ONE OFF.  
YOU'RE JUST SCREWING A NEW ONE ON.

**Ray Maxwell:** RIGHT.

THERE ARE THIRD PARTY LENSES  
THAT YOU CAN PUT ON ANY CAMERA.

**Leo Laporte:** NOW, I WANT TO  
CAUTION THIS ADDS SOME WEIGHT AND HEFT --

**Ray Maxwell:** YES, IT DOES.

**Leo Laporte:** CONSIDERABLE WEIGHT AND HEFT.

**Ray Maxwell:** YEAH.

NOW, I'M GONNA KICK ON --

**Leo Laporte:** BUT WHAT A DIFFERENCE.

I MEAN THAT IS SO MUCH BETTER TO  
SEE THAT.

**Ray Maxwell:** NOW, IF YOU'VE  
GOT \$12,000, YOU CAN BUY ONE OF  
THESE STEADICAMS -- THAT'S LESS  
THE CAMERA -- AND SEE HOW WE GET  
THESE EXOTIC SHOTS?

**Leo Laporte:** THERE'S CHRIS DOING HIS CRAZY THING.

I DON'T --

DO THEY SEE THAT?

**Ray Maxwell:** (Chuckling)

I CAN ROLL IT BACK.

**Leo Laporte:** REWIND IT BECAUSE I DON'T THINK THEY SAW IT.

IT WAS VERY FUNNY.

**Ray Maxwell:** HERE COMES CHRIS.

**Leo Laporte:** CHRIS, MR. STEADICAM MAN.

**Ray Maxwell:** THIS IS HOW HE

GETS THESE EXOTIC SHOTS.

WHEE!

**Leo Laporte:** (Laughing)

**Ray Maxwell:** OKAY?

AND NOW IN THE STUDIO HERE, WE  
HAVE TWO DOLLY TRIPOD CAMERAS  
AND THE STEADICAM.

**Leo Laporte:** THEY'RE LOCKED

DOWN, AND THEY'RE FIXED.

THEY CAN PAN, BUT THEY DON'T  
MOVE A WHOLE LOT.

**Ray Maxwell:** RIGHT.

**Leo Laporte:** AND THEN, OF COURSE, THE STEADICAM MOVES A LOT.

**Ray Maxwell:** YEAH.

**Leo Laporte:** THAT'S WHAT

WE'RE ON RIGHT NOW IS THE STEADICAM.

**Ray Maxwell:** ANDRE'S DOING THAT FOR US TODAY --

**Leo Laporte:** YEAH, HE'S REALLY GOOD.

**Ray Maxwell:** SO THE EXOTIC STUFF HE'S DOING --

**Leo Laporte:** SEE HOW HE MOVES?

**Ray Maxwell:** YEAH.

**Leo Laporte:** DON'T DO THAT.

**Ray Maxwell:** DON'T, DON'T SPIN US, DON'T SPIN US.

**Leo Laporte:** ANDRE IS A PRO!

(Laughing)

**Ray Maxwell:** (Laughing)

**Leo Laporte:** DON'T TRY THIS AT HOME!

(Indiscernible)

**Leo Laporte:** I LOVE THAT, THOUGH.

**Ray Maxwell:** ALL RIGHT!

NOW THE ONE THING WE CAN'T

FORGET, THOUGH, IS SOUND.

**Leo Laporte:** OKAY.

**Ray Maxwell:** AND SO I'M GONNA  
PLAY THIS NEXT VIDEO, WHICH HAS  
SOUND, AND IT PRETTY WELL SPEAKS  
FOR ITSELF.

**Leo Laporte:** LET'S LISTEN.

**Ray Maxwell:** AND HERE WE ROLL.

(Background noise)

**Ray Maxwell:** (On video)

IN THIS RECORDING, I'M USING THE  
BUILT-IN MICROPHONE OF THE  
CANON HV-20 --

**Leo Laporte:** THAT'S WHAT ALL  
VIDEOS SOUND LIKE.

**Ray Maxwell:** (On video)

NOTICE THE SOUND OF MY VOICE AND

THE ROOM TONE OR BACKGROUND

SOUND OF THE ROOM WHEN I'M NOT SPEAKING.

(Loud background noise)

**Leo Laporte:** THERE'S A LOT OF NOISE!

**Ray Maxwell:** (On video)

IN THIS RECORDING, I'M USING --

**Ray Maxwell:** (In person)

NOW HERE'S THE SHOTGUN MIC.

**Ray Maxwell:** (On video)

THE CANON DM-50.

NOTICE THE SOUND OF MY VOICE AND

THE ROOM TONE IN THIS SITUATION.

(Quiet background noise)

**Leo Laporte:** MUCH QUIETER IN THE ROOM.

**Ray Maxwell:** (In person)

AND NOW I'LL SWITCH TO LAPEL.

**Ray Maxwell:** (Quietly on video)

IN THIS RECORDING, I'M USING A

WIRELESS LAPEL MICROPHONE

CLIPPED TO MY SHIRT.

**Leo Laporte:** YEAH.

**Ray Maxwell:** (Quietly on video)

NOTICE THE QUALITY OF MY VOICE

AND THE ROOM TONE IN THIS SCENARIO.

(Quiet background noise)

**Leo Laporte:** IT'S QUIET!

**Ray Maxwell:** (In person)

YEAH.

**Leo Laporte:** AND THAT'S WHAT WE USE.

**Ray Maxwell:** YEAH, EXACTLY.

THAT'S WHAT WE'RE USING HERE.

[Pop captions up]

**Leo Laporte:** NOW, THIS SHOTGUN HELPS A LITTLE BIT,

THOUGH, BECAUSE IT MAKES IT MORE DIRECTIONAL --

**Ray Maxwell:** RIGHT.

**Leo Laporte:** AND YOU CAN AIM IT.

THIS IS AN INEXPENSIVE SHOTGUN

THAT GETS ADDED ON TOP OF THE CAMERA.

[Pop captions down]

**Ray Maxwell:** IF YOU DON'T HAVE \$12,000 --

**Leo Laporte:** (Chuckling)

**Ray Maxwell:** THIS IS A MOUNT

THAT I GOT WITH MY VERY FIRST

HITACHI VIDEO CAMERA ABOUT

20 YEARS AGO.

**Leo Laporte:** THAT WAS BACK

WHEN THE CAMERAS WEIGHED SOMETHING.

**Ray Maxwell:** AND NOW I CAN

USE THIS LIKE THIS, AND --

**Leo Laporte:** THAT'S HOW YOU

GOT THOSE GREAT SHOTS AT THE BEGINNING.

**Ray Maxwell:** YEAH, AND I WAS DOING ALL OF THAT.

**Leo Laporte:** THEY WERE BEAUTIFUL, YEAH.

**Ray Maxwell:** AND YOU CAN BE MUCH MORE STEADY.

**Leo Laporte:** IT'S A LITTLE BIT LIKE THE STEADICAM.

**Ray Maxwell:** BECAUSE HOLDING A LITTLE CAMERA LIKE THIS, IT'S

HARD TO HOLD IT STEADY.

**Leo Laporte:** ESPECIALLY WITH THIS HEAVY LENS OF THE FRONT.

IT'S HARD TO BE BALANCED, YEAH.

**Ray Maxwell:** SO THAT HELPS.

**Leo Laporte:** CAN YOU --

**Ray Maxwell:** THEN THE OTHER ONE IS THE MONOPOD.

**Leo Laporte:** RIGHT.

**Ray Maxwell:** SO YOU JUST MOUNT THIS ON HERE.

**Leo Laporte:** RIGHT.

**Ray Maxwell:** AND IT STEADIES IT.

**Leo Laporte:** OR A BIG OLD TRIPOD.

**Ray Maxwell:** A BIG, HAIRY  
TRIPOD, AND THIS HAS A FLUID --

**Leo Laporte:** PEOPLE SHOULD  
USE THOSE MORE THAN THEY THINK,  
SHOULDN'T THEY?

**Ray Maxwell:** YES, THIS REALLY  
ADDS A PROFESSIONAL LOOK BECAUSE  
YOU CAN PAN AND TILT  
BEAUTIFULLY, SLOWLY --

**Leo Laporte:** YEAH.

**Ray Maxwell:** AND IT REALLY --

**Leo Laporte:** BUT THAT'S EXPENSIVE.

**Ray Maxwell:** YEAH.

**Leo Laporte:** THEY COST A LOT.

[Pop captions up]

**Ray Maxwell:** YEAH, THAT'S ABOUT \$500.

**Leo Laporte:** WELL, THAT'S NOT AWFUL.

**Ray Maxwell:** YEAH.

AND THESE ARE UNDER \$100.

**Leo Laporte:** SO THERE ARE SOME TOOLS OF THE TRADE YOU CAN  
USE TO ADD --

[Pop captions down]

**Leo Laporte:** AND A LOT OF IT IS JUST THINKING AHEAD OF TIME,  
NOT PANNING AND ZOOMING, BUT  
SHOOTING SOME THREE-SECOND CLIPS.

I LIKE HOW YOU EDITED THAT  
MONTAGE TOGETHER.

OF COURSE, IT HELPED THAT YOU  
HAD THAT WIDE ANGLE, AND YOU  
WERE ABLE TO CATCH MORE THAN  
YOUR STANDARD LENS.

[Pop captions up]

**Leo Laporte:** WE HAVE ALL THIS  
ON THE WEBSITE, INCLUDING LINKS  
TO BUY ALL THIS STUFF, AT labwithleo.com.  
RAY MAXWELL'S SITE IS  
maxwellmultimedia.com, AND HE'S  
THE GREATEST, TEACHER, RACONTEUR.  
AND THEN WHAT DO YOU WANT ME TO DO?  
YOU WANT ME TO DO SOMETHING WITH  
THE CAMERA?

(Funky digital music)

**Leo Laporte:** ARE YOU GONNA DO --  
ARE YOU GONNA USE THE STEADY?  
[MUSIC]

**Ray Maxwell:** THEY'RE --

**Leo Laporte:** RAY'S GONNA BE ON CAMERA AFTER THE BREAK.

**Ray Maxwell:** I'VE DONE FINE --

**Leo Laporte:** GIVE ANDRE A BREAK.

**Ray Maxwell:** YEAH.

(Chuckling)

**Leo Laporte:** LET HIM, LET HIM DO THE STEADICAM.  
WE'LL SEE HOW HE DOES.  
THAT'LL BE FUN.

WE'LL BE RIGHT BACK IN JUST A BIT.  
BUT FIRST, A CLOSE-UP LOOK AT  
SOMETHING YOU'D FIND AROUND THE  
LAB, NOT A CAMERA, A HOLE.

[Pop captions down]

**Leo Laporte:** I DON'T KNOW WHAT THAT IS.  
SEAN CARRUTHERS TAKES THESE WITH  
HIS MACRO LENS, BUT WHAT COULD IT BE?  
WE'LL ZOOM OUT AND FIND OUT WHEN  
"THE LAB" CONTINUES.  
STAY RIGHT HERE.

[MUSIC]

COMMERCIAL

(Funky digital music)

**Leo Laporte:** THERE IS A CLOSE-UP OF SOMETHING YOU'D FIND  
AROUND THE LAB.

[Pop captions up]

**Leo Laporte:** I HAVE NO IDEA  
WHAT THAT IS, BUT I BET YOU WE'LL --

[MUSIC]

OH, I WOULDN'T HAVE GUESSED  
THAT, AN APC UNIVERSAL NOTEBOOK BATTERY?  
HOW AM I SUPPOSED TO KNOW THAT?

(Chuckles)

OH, MAN.

[Pop captions down]

**Leo Laporte:** THERE HE IS ON CAMERA 3, LADIES AND GENTLEMEN,  
MR. RAY MAXWELL.  
YOU BETTER DO A GOOD JOB NOW, RAY.  
EVERYBODY'S WATCHIN'.

**Kate Abraham:** (Laughing)

**Leo Laporte:** (Laughing)

IT'S FUNNY HOW IMPORTANT THE  
PEOPLE BEHIND THE CAMERA ARE,  
COMPARED TO THE PEOPLE IN FRONT  
OF THE CAMERA.  
THEY MAKE ALL THE DIFFERENCE IN  
THE WORLD.

LET'S GET ANOTHER CALL ON THE  
AIR HERE, KATE ABRAHAM.

WE'RE JUST --

**Kate Abraham:** WE'RE JUST HANGIN' OUT.

**Leo Laporte:** WE'RE MEAT, YEAH.

**Kate Abraham:** WE'RE GOING TO SYDNEY, NEW SOUTH WALES, AND

THIS IS JULIAN.

**Leo Laporte:** HEY, JULIAN!

[Pop captions up]

**Julian:** HI! HOW YOU GOING?

**Leo Laporte:** AH, IT'S GOING GREAT.

ANOTHER AUSTRALIAN.

WHAT CAN I DO FOR YOU TODAY?

**Julian:** WELL, I'M HAVING A

PROBLEM WITH MY PS3.

**Leo Laporte:** OKAY, YOU HAVE A

SONY PLAYSTATION 3 GAME MACHINE.

**Julian:** YES, AND I BOUGHT IT

IN THE U.S. WHEN I WAS OVER

THERE A FEW WEEKS AGO.

[Pop captions down]

**Leo Laporte:** OKAY.

**Julian:** I BROUGHT IT BACK TO

AUSTRALIA, AND EVERYTHING IS

WORKING PERFECTLY.

**Leo Laporte:** YES.

**Julian:** I EVEN BOUGHT A POWER

CONVERTER AND ALL THAT SORT OF

(Unclear).

I DID THE --

I DID THE UPGRADE THAT SONY

REQUIRED ME TO DO TO --

**Leo Laporte:** YEAH, WHEN YOU

FIRST TURN ON THE PS3, IT

REQUIRES YOU TO DO A FIRMWARE

UPGRADE, YEAH.

**Julian:** YES, SO BASICALLY

WHEN YOU TURN IT ON, IT REQUIRES

YOU TO DO IT.

**Leo Laporte:** RIGHT.

**Julian:** I DID IT, AND MY  
DISK DRIVE STOPPED WORKING.

(Hand hits desk)

**Leo Laporte:** HA! IT JUST DIED.

**Julian:** IT JUST DIED. I PUT A DISK IN.  
IT DIDN'T RECOGNIZE IT, DOESN'T  
TURN, DOESN'T DO ANYTHING.

**Leo Laporte:** (Sighs deeply)  
I THINK YOU GOTTA SEND IT BACK,  
I HATE TO TELL YA.

**Julian:** YES, IT'S --  
IT'S ONE OF THOSE THINGS THAT  
LIKE I BOUGHT IT IN THE STATES.  
WHERE I BOUGHT IT FROM, SONY --

(Indiscernible)

THEY SAID THAT THE WARRANTY  
WOULD BE FINE, BUT THEY WON'T DO  
ANYTHING ABOUT IT IN AUSTRALIA.

**Leo Laporte:** THEY CAN'T --  
THEY WON'T TAKE IT BACK IN AUSTRALIA?  
THEY WON'T FIX IT THERE?

**Julian:** NO, THEY WON'T.  
THEY REQUIRE ME TO POST IT BACK  
TO THE U.S.

**Leo Laporte:** OH!  
THAT'S TOO BAD.  
UH... YEAH, I MEAN I THINK THAT --

[Pop captions up]

**Leo Laporte:** LOOKIT, YOU  
KNOW, MOST PEOPLE DO THIS  
FIRMWARE UPGRADE -- WE HAVE  
HERE; I DID IT AT HOME -- WITH

THE PS3 WITHOUT PROBLEMS.

I THINK IT'S JUST BAD LUCK.

[Pop captions down]

**Leo Laporte:** ACTUALLY, WHAT'S REALLY LIKELY IS THAT YOUR PS3 WAS -- SOMETHING WAS WRONG WITH IT BEFORE, AND IT NEVER -- HAD YOU EVER USED IT AT ALL?

**Julian:** YEAH, YEAH, I USED IT FIRST -- LIKE I HAD --

THE FIRST COUPLE OF WEEKS, I ACTUALLY USED IT, AND IT WAS FINE. I HAD --

I WAS ONLY PLAYING U.S. DVD'S IN IT, WHICH ARE BLU-RAYS IN IT, WHICH I -- YOU KNOW, I SORT OF KNEW THAT.

I THOUGHT, "OKAY, WELL, I'LL JUST BUY IT FROM THE STATES."

**Leo Laporte:** RIGHT.

**Julian:** SO I'VE ONLY PLAYED U.S. ONES IN IT, AND IT WAS WORKING PERFECTLY.

[Pop captions up]

**Julian:** IT WAS, YOU KNOW, FINE. BUT I'VE BEEN, YOU KNOW, SORT OF BACK AND FORTH WITH SONY ABOUT IT --

**Leo Laporte:** WELL, IT IS POSSIBLE THAT THE FIRMWARE UPDATE, SINCE YOU DID IT IN AUSTRALIA, THAT THEY MIGHT HAVE LOCKED YOUR REGION CODE TO AUSTRALIAN BLU-RAY.

[Pop captions down]

**Leo Laporte:** HAVE YOU TRIED  
AUSTRALIAN MOVIE DISKS IN IT?

**Julian:** YEAH, I'VE TRIED EVERYTHING.

**Leo Laporte:** AND THEY DON'T WORK?  
THE GAMES ARE NOT REGION-ENCODED.  
UNLIKE THE PS2, THE PS3 GAMES  
ARE INTERNATIONAL, SO YOU CAN  
PLAY JAPANESE PS3 GAMES ON AN  
AMERICAN PS3 AND VICE VERSA.  
IT WASN'T THAT WAY WITH THE PS2.  
IN FACT, IT'S UNCOMMON FOR A  
GAME MACHINE TO DO THAT, BUT FOR  
SOME REASON, THEY DECIDED TO DO  
THAT WITH THE PS3.  
SO I DON'T THINK IT'S A REGIONAL ISSUE.

I THINK --

YOU KNOW WHAT?

I THINK EITHER THE FIRMWARE  
UPDATE WENT BAD, OR A HARD DRIVE  
FAILED AT THE SAME TIME OR  
SOMETHING, BUT I DON'T SEE A --  
THERE'S NO WAY TO FIX THAT  
YOURSELF, AND YOU'LL ONLY GET IN  
MORE TROUBLE.

YOU'LL ONLY VOID YOUR WARRANTY  
IF YOU TRY.

SO I'M AFRAID IT'S BACK TO THE  
STATES WITH YOUR PS3.

(Chuckling)

I'M REALLY SORRY TO GIVE YOU  
THAT BAD NEWS, BUT I DON'T KNOW  
OF ANY OTHER WAY AROUND IT.

YOU CAN'T DOWNGRADE THE FIRMWARE.

THEY WON'T LET YOU.

**Julian:** YEAH, I NOTICED THAT.

**Leo Laporte:** YEAH, NO, THERE'S NO WAY.

(Indiscernible)

**Julian:** I'VE ACTUALLY

UPGRADED TO 2.0 OR 2.1, WHICH

JUST CAME OUT A FEW WEEKS AGO,

OR LAST WEEK ACTUALLY, SORRY.

**Leo Laporte:** HOW'D THAT -- DID THAT HELP?

**Julian:** YEAH, EVERYTHING'S

WORKING PERFECTLY, EXCEPT FOR

THE DISK DRIVE.

**Leo Laporte:** EXCEPT FOR THE DISK DRIVE?

**Julian:** YEAH.

**Leo Laporte:** (Sighing)

**Julian:** I CAN PLAY THE DVX ON

IT NOW, AND, YOU KNOW,

EVERYTHING ELSE --

**Leo Laporte:** OKAY, SO WE AT

LEAST KNOW WHAT'S WRONG NOW.

IT'S NOT THE HARD DRIVE.

IT'S NOT THE SYSTEM.

IT'S THE DVD PLAYER.

**Julian:** YEAH.

**Leo Laporte:** AND THEY GO BAD,

SURE, JUST LIKE ANYTHING ELSE.

YOU GOT A BAD ONE.

I WISH THEY WOULD SEND YOU A NEW ONE.

YOU KNOW... YOU CAN REPLACE THAT.

IT'S A STANDARD PART, AND I KNOW

PEOPLE DO DO THAT, SO THAT'S --

IF YOU'RE WILLING TO TAKE A

CHANCE, AND YOU DON'T WANT TO  
SEND IT BACK TO THE STATES, YOU  
FIND A SMART REPAIR GUY.

HE CAN OPEN IT UP.

IT'S A STANDARD BLU-RAY  
DVD PLAYER.

YOU CAN PROBABLY GET ANOTHER  
PART AND REPLACE IT.

**Julian:** OKAY.

**Leo Laporte:** SO THAT'S MY  
UNDERSTANDING ANYWAY.

I THINK THAT THAT'S A PRETTY  
STANDARD PIECE OF HARDWARE, SO --  
BUT AGAIN, YOU OPEN IT UP,  
YOU'RE GONNA VOID THE WARRANTY,  
AND THEN ALL HOPE OF REPAIR IN  
THE U.S. GOES AWAY, SO IT'S KIND  
OF A GAMBLE, BUT I SHOULD LET  
YOU KNOW THAT I BELIEVE, AND YOU  
SHOULD ASK AND MAYBE LOOK  
AROUND, BUT I BELIEVE THAT THAT  
IS A STANDARD PLAYER, THAT  
DVD PLAYER IN THERE, AND YOU CAN  
BUY THOSE PARTS STANDALONE.

(Mellow digital music)

**Leo Laporte:** MAYBE THAT'S THE SOLUTION.

HEY, WE'VE GOTTA TAKE A BREAK.

THANK YOU, JULIAN.

I APPRECIATE THE CALL.

I'M SORRY NOT TO BE BETTER NEWS FOR YA.

RYAN YEWELL IS HERE!

**Ryan Yewell:** YES!

**Leo Laporte:** MR. JEWEL'S GOT A FREE FILE OF THE DAY.

**Ryan Yewell:** I DO.

WE'RE ROCKIN' THE WINDOWS.

**Leo Laporte:** YOU'RE BIG INTO COLOUR.

**Ryan Yewell:** UM...

**Leo Laporte:** YOU'RE A COLOUR GUY.

**Ryan Yewell:** WELL, THERE'S  
THE BIGGEST COLOUR GUY ON SET HERE.  
I'M AN ANT, AND HE'S A GIANT.

**Leo Laporte:** THAT'S TRUE.

RAY MAXWELL, CAMERA #3, WE CALL HIM.

[Pop captions up]

**Ryan Yewell:** SO I'M NOT GONNA  
TALK ANY BALONEY BECAUSE, YOU  
KNOW, SOMETIMES I'M ABLE TO KIND  
OF SAY SOMETHING THAT I KIND OF KNOW.  
ALL I'M GONNA SAY, IT'S COLOUR PICKER --  
IT'S COLORPIC.

[Pop captions down]

**Ryan Yewell:** IT'S FOR WINDOWS.

**Leo Laporte:** WHAT DOES IT LET YOU DO?

[Pop captions up]

**Ryan Yewell:** IT LETS YOU PICK YOUR COLOUR.  
NOW, I'M SURE RAY COULD TELL US  
WHAT ALL THESE NUMBERS MEAN AND  
ALL THESE DIFFERENT THINGS.

**Leo Laporte:** HUES, SATURATION, VALUES, RED, GREEN  
AND BLUE.

**Ryan Yewell:** SO YOU CAN SEE  
DOWN, DOWN HERE IN THE LOWER  
LEFT, THERE'S ACTUALLY A  
MAGNIFICATION OF WHAT I'M  
POINTING AT, SO IF YOU HAVE A  
HIGH-RES MONITOR, YOU CAN REALLY

EXACTLY SEE WHAT YOU'RE CHOOSING.

[Pop captions down]

**Leo Laporte:** OH!

THIS IS MORE LIKE A COLOUR SUCKER.

**Ryan Yewell:** YEAH.

**Leo Laporte:** IT FINDS OUT

WHAT YOU'RE POINTING AT.

**Ryan Yewell:** YEAH, EXACTLY.

SO, AND NOW IF I HIT CONTROL-G,  
IT'S GONNA GRAB THAT COLOUR UP  
TOP, AND THEN IT GIVES ME THE  
DIFFERENT VALUES AND WHERE IT IS  
ON THE RAINBOW AND THE HUE AND  
THE VALUES.

**Leo Laporte:** THAT'S REALLY HANDY.

**Ryan Yewell:** YEAH.

**Leo Laporte:** APPLE COMES WITH --  
THE MAC COMES WITH THE DIGITAL  
COLORPICKER.

IT DOES THE SAME THING, BUT NOT  
ON WINDOWS, SO THIS IS NICE TO  
HAVE A FREE ONE.

**Ryan Yewell:** IT'S COLORPIC.  
IT'S GOT THE MAGNIFICATION.  
IT GIVES YOU THE VALUES.  
IT'S SIMPLE.

**Leo Laporte:** SO IF YOU'RE  
TRYING TO DO A WEBSITE, AND  
YOU'RE SAYING, "WHAT IS THAT  
COLOUR," YOU CAN FIND IT AND PUT  
IT IN YOUR HTML, FOR INSTANCE.

**Ryan Yewell:** THERE YOU GO.  
AND NOW RAY TELLS ME YOU HAVE TO

BE CAREFUL BECAUSE SMALL THINGS  
THAT ARE THIS COLOUR LOOK  
DIFFERENT WHEN THEY'RE THIS BIG, SO --

**Leo Laporte:** THAT IS TRUE.

**Ryan Yewell:** SO IF YOU SEE A  
TINY LITTLE COLOUR YOU LIKE, AND  
YOU PUT IT AS YOUR ENTIRE  
BACKGROUND, YOU MIGHT NOT LIKE  
THE COLOUR.

**Leo Laporte:** ANYBODY WHO'S  
EVER PAINTED A ROOM BASED ON  
PAINT CHIPS KNOWS THAT.  
YOU'RE TOO YOUNG TO HAVE DONE  
THAT, BUT BELIEVE ME, YOU'VE GOT  
THAT PINK ON A PAINT CHIP.

"OH, THAT LOOKS PRETTY NICE."  
YOU PAINT THE WHOLE ROOM WITH IT.  
"OH, MY GOD, WHAT HAPPENED?"

**Ryan Yewell:** THERE YOU GO.

**Leo Laporte:** THANK YOU, RYAN.  
WHERE CAN WE FIND THAT?

[Pop captions up]

**Ryan Yewell:** labwithleo.com,  
"FREE FILES," "YEWELL'S JEWELS."  
IT'S CALLED COLORPIC.  
I'VE GOT A BUNCH OF OTHER STUFF  
THERE, SO COME ON BY, AND I'LL  
SHOW YOU A BUNCH OF FREE FILES.

**Leo Laporte:** OH, THAT WAS NICE.  
ALL RIGHT, COMIN' UP, MORE OF YOUR CALLS.  
WE'VE GOT ALEX LINDSAY HERE TO  
TALK ABOUT THE HIGH-END --

**Ryan Yewell:** THERE YOU GO.

**Leo Laporte:** VIDEO.

HE'S GOT SUCH A NICE CAMERA.

EVERYBODY'S JUST SLATHERING OVER THAT.

RIGHT NOW, THOUGH --

LOOK AT RAY.

YOU'RE DOING SUCH A GOOD JOB, RAY.

HAVE YOU TAKEN CAMERA 3 ONCE?

ACCORDING TO MICROSOFT, WHAT

WERE THE U.S. SALES OF HALO ON

ITS FIRST DAY OF RELEASE?

50 MILLION, 75 MILLION,

100 MILLION, 170 MILLION DOLLARS?

THINK ABOUT THAT.

WE'LL TALK ABOUT THE ANSWER A

LITTLE LATER ON AS "THE LAB" CONTINUES.

(Lively jazz music)

[Pop captions down]

COMMERCIAL

(Theme music playing)

**Leo Laporte:** WELCOME BACK TO "THE LAB."

THERE IT IS, ALEX'S NEW TOY.

ALEX LINDSAY IS FROM THE

PIXEL CORPS AT [pixelcorps.com](http://pixelcorps.com),

AND ONE OF THE THINGS HE GETS TO

DO AS PART OF THE PIXEL CORPS IS

TAKE A LOOK AT GREAT EQUIPMENT.

NOW, WE SAW WHAT RAY WAS TALKING

ABOUT, TAKING A STANDARD KIND OF

CONSUMER GRADE,

SUB-THOUSAND-DOLLAR CAMCORDER,

SOUPING IT UP WITH A WIDE ANGLE

LENS AND A SHOTGUN MIC.

THIS IS KIND OF THE OPPOSITE END.

THIS IS A HIGH-END --

**Alex Lindsay:** I JUST BOUGHT  
THE SOUPED-UP CAMERA.

**Leo Laporte:** THIS IS ALMOST A --  
WELL, IT IS A PRO CAMERA, BUT  
KIND OF AT A PROSUMER PRICE.

**Alex Lindsay:** BUT WHAT IT'S  
REALLY DESIGNED FOR, WHEN YOU'RE --

[Pop captions up]

**Alex Lindsay:** THERE'S A LOT  
OF REPORTING THAT NEEDS TO BE  
DONE THAT YOU NEED A LIGHT CAMERA.  
NOWADAYS, WHAT THEY'RE LOOKING  
FOR IS INEXPENSIVE CAMERAS THAT  
YOU CAN DO THAT HAVE VERY --  
A LOT OF --

THEY'RE LIGHT, THEY'RE CHEAP,  
YOU'RE IN IRAQ, YOU NEED TO  
THROW THEM AWAY, YOU NEED TO --

[Pop captions down]

**Leo Laporte:** SO THIS IS A FIELD CAMERA FOR A NEWS REPORTER.

**Alex Lindsay:** IT REALLY WAS  
DESIGNED FOR A FIELD CAMERA FOR  
NEWS CREWS, BUT IT'S ALSO IF  
YOU'RE DOING EVENT PHOTOGRAPHY,  
IF YOU'RE DOING HIGH-END  
PODCASTS, IF YOU'RE DOING --  
WHICH IS WHAT WE GOT IT FOR.

**Leo Laporte:** SO WHAT MAKES IT --  
FIRST OF ALL, WHAT'S THE PRICE?

**Alex Lindsay:** THE PRICE IS ABOUT \$6500 U.S.

**Leo Laporte:** IT'S NOT CHEAP,  
BUT ON THE OTHER HAND, IT'S NOT COMPLETELY --

(Both talking at once)

[Pop captions up]

**Alex Lindsay:** IT'S DESIGNED TO INTERCUT WITH THE CAMERAS THAT ARE USED ON SET HERE, WHICH ARE ABOUT \$25,000.

**Leo Laporte:** WE USE XDCAMS, BUT THIS IS THE XDCAM EX.

**Alex Lindsay:** RIGHT, SO IT RECORDS IN THE SAME FORMAT.

[Pop captions down]

**Leo Laporte:** BUT IT'S A THIRD THE COST.

**Alex Lindsay:** YEAH, IT DOESN'T HAVE INTERCHANGEABLE LENSES. IT DOESN'T HAVE THE SAME CONTROL. IT DOESN'T HAVE --

YOU KNOW, IT'S NOT THE SAME CAMERA, BUT IT'S DESIGNED TO BE ABLE TO INTERCUT BACK AND FORTH. ONE OF THE THINGS THAT YOU HAVE HERE -- ONE OF THE THINGS THAT'S REALLY COOL THAT I'VE NEVER SEEN BEFORE IS IF YOU LOOK AT THIS, THIS HERE, IF I HOLD IT --

**Leo Laporte:** WE MISSED THAT. YOU'RE GONNA HAVE TO GO BACK.

**Alex Lindsay:** OKAY.

(Both talking at once)

**Leo Laporte:** WE WERE LOOKING AT OUR BIG STUDIO CAMERAS.

(Laughing)

**Alex Lindsay:** IF YOU LOOK AT THIS HERE, IF I HOLD IT LIKE THIS --

**Leo Laporte:** YOU'VE GOT GRIP, YEAH.

**Alex Lindsay:** YEAH, THERE'S

GRIP, AND I CAN HOLD IT LIKE --

YOU KNOW, I CAN HOLD IT.

I CAN GO IN HERE.

**Leo Laporte:** SEE, RAY HAD TO  
ACTUALLY MOUNT HIS ON SOMETHING  
TO MAKE IT EASIER TO SHOOT, BUT  
THIS IS ACTUALLY JUST DESIGNED  
TO SHOOT LIKE THAT.

**Alex Lindsay:** AND THEN WHEN I  
WANT TO GO UP, I JUST SIMPLY  
RELEASE IT AND TURN IT UP --

**Leo Laporte:** NOW YOU CAN SHOULDER-MOUNT IT.

**Alex Lindsay:** NOW I CAN DO A SHOULDER MOUNT.

**Leo Laporte:** RIGHT.

**Alex Lindsay:** YOU KNOW, AND SO THAT'S THE --  
THAT'S ONE --

I MEAN THAT'S JUST A LITTLE THING.

WHAT IT HAS ALSO, IT HAS A  
PROFESSIONAL, WHAT'S CALLED AN  
HD, HDSDI OUT, WHICH MEANS THAT  
I CAN FEED IT INTO A  
PROFESSIONAL SYSTEM, YOU KNOW,  
LIVE FROM THE CAMERA, SO IF WE  
WANT TO DO LIVE FEEDS.

**Leo Laporte:** THAT'S WHAT OUR  
CAMERAS ARE DOING NOW.  
THEY'RE NOT RECORDING IN THE CAMERA.

THEY'RE FEEDING CABLES OUT TO  
THE STUDIO, AND THAT'S --

**Alex Lindsay:** EXACTLY.

**Leo Laporte:** AND THAT'S WHAT  
THAT WOULD BE FOR.

**Alex Lindsay:** NICE DIGITAL OUTPUT THAT COMES OUT OF THERE.

OF COURSE, YOU'VE GOT THE MICS.

YOU'VE GOT ONE --

**Leo Laporte:** NOW, ARE THESE  
MICS AS GOOD AS A SHOTGUN MIC,  
OR WOULD YOU WANT TO --

**Alex Lindsay:** NO.

**Leo Laporte:** NO.

THAT'S WHAT THIS IS FOR.

**Alex Lindsay:** IT'S FINE TO HAVE ON BOARD.

**Leo Laporte:** RIGHT.

**Alex Lindsay:** BUT YOU CAN PUT  
A SHOTGUN MIC IN HERE -- IT'S  
ALL BUILT-IN -- OR YOU CAN RUN --  
THESE ARE YOUR XLR'S.

**Leo Laporte:** LOOK AT THAT, PROFESSIONAL MIC --  
YEAH, SO YOU CAN HAVE A REAL MIC ON THAT.

**Alex Lindsay:** EXACTLY.

AND THEN OTHER THINGS THAT ARE --  
YOU KNOW, THERE'S A LOT OF  
LITTLE THINGS THAT THEY REALLY  
PAID ATTENTION TO, SO --

**Leo Laporte:** I WANT THIS CAMERA, BUT I CAN'T AFFORD IT.  
IT'S JUST A BEAUTIFUL CAMERA.

**Alex Lindsay:** AND THE MANUAL  
FOCUS WORKS LIKE A PRO CAMERA  
WOULD, WHICH IS REALLY NICE.

IT DOESN'T --

IT ACTUALLY HAS A PLACE THAT'S  
IN FOCUS AND OUT OF FOCUS.

A LOT OF THE INFINITE ZOOMS OR INFINITE --

**Leo Laporte:** YOU JUST SPIN IT.

**Alex Lindsay:** YOU SPIN IT AND SPIN IT AND SPIN IT.  
SO THIS IS A --

YOU KNOW, NOW THE GREAT THING  
FOR US, THOUGH --

**Leo Laporte:** BY THE WAY, THIS  
IS HIGH-DEF ALSO, RIGHT?

**Alex Lindsay:** IT'S HIGH-DEF.  
IT'LL DO 1080p, 1080i, 720p, YOU  
KNOW, ALL OF THOSE, ALL OF THOSE OPTIONS.

[Pop captions up]

**Alex Lindsay:** RIGHT HERE, IT  
DOESN'T RECORD A TAPE, SO IF I  
JUST PUSH THIS FORWARD, AND I --

[Pop captions down]

**Leo Laporte:** WHAT IS THAT?

**Alex Lindsay:** THAT... IS WHAT IT RECORDS TO.

**Leo Laporte:** WOW, THOSE ARE  
THOSE NEW PC CARDS THAT GO,  
CARDBUS CARDS --

**Alex Lindsay:** SO IF I JUST DROP IT RIGHT IN HERE --

**Leo Laporte:** WOW.  
NOW HOW MUCH --

HOW BIG IS THAT, AND HOW MUCH TIME IS IT?

**Alex Lindsay:** THAT'S EIGHT GIGS.

**Leo Laporte:** EIGHT GIGS.

**Alex Lindsay:** IT CAN HOLD ABOUT 38 MINUTES.

**Leo Laporte:** OH, THAT'S PRETTY GOOD.

**Alex Lindsay:** AND --

**Leo Laporte:** AND IT COPIES OFF RIGHT AWAY.

**Alex Lindsay:** YEAH, AND I  
HAVE THIS XDCAM TRANSFER TOOL  
THAT COMES --  
THAT YOU CAN JUST DOWNLOAD FROM  
SONY, AND NOW I CAN PREVIEW ALL  
THE CLIPS.

I CAN SET --

**Leo Laporte:** THIS IS OFF THE CARD.

YOU'RE NOT EVEN ON --

YOU HAVEN'T EVEN LOADED THIS YET.

**Alex Lindsay:** RIGHT, EXACTLY.

THIS IS JUST PLAIN OFF THE CARD,

SO I CAN --

(Laughing)

YEAH, THERE'S --

**Leo Laporte:** THANK YOU FOR THOSE.

**Alex Lindsay:** THERE'S THE

CAMERA SHOT THAT'S --

**Leo Laporte:** THERE'S ANDRE.

(Indiscernible)

**Leo Laporte:** YEAH.

**Alex Lindsay:** SO, AND THEN BUT --

**Leo Laporte:** THAT'S WHAT YOU

WERE JUST SHOOTING?

**Alex Lindsay:** NO, NO, I WASN'T JUST SHOOTING THIS.

I SHOT THIS EARLIER, EARLIER ON.

**Leo Laporte:** YEAH.

**Alex Lindsay:** BUT ONE OF THE

THINGS THAT'S REALLY COOL ABOUT IT --

AND HERE'S SOME STUFF LIKE THAT

WE SHOT EARLIER IN THE EPISODE.

BUT, YOU KNOW, IT'S REALLY --

NOW, THIS IS SET AT 720p BECAUSE

I WAS PLAYING AROUND WITH FRAME RATES.

**Leo Laporte:** BOY, THAT LOOKS GOOD.

**Alex Lindsay:** AND IT LOOKS,

YOU KNOW, IT LOOKS REALLY NICE,

YOU KNOW, I MEAN FOR A LITTLE

CAMERA, YOU KNOW, AND AS WE LOOK

AT IT HERE --

**Leo Laporte:** THAT'S KIKI SANFORD, THE --

**Alex Lindsay:** YEAH, THIS IS

WHEN WE WERE DOING --

**Leo Laporte:** FROM "FOOD SCIENCE."

**Alex Lindsay:** THIS IS ACTUALLY WHEN WE WERE --

NO, DON'T DO THAT.

THIS IS WHEN WE WERE FREEZING SUSHI.

**Leo Laporte:** ON foodscience.tv.

**Alex Lindsay:** YEAH, YEAH.

**Leo Laporte:** WE SHOULD GIVE  
HER A PLUG SINCE WE'RE USING HER  
NITROGEN, AND SO SHE FROZE SOME SUSHI.

(Muttering)

**Alex Lindsay:** ONE OF THE COOL  
THINGS ABOUT THIS, THOUGH, IS IT  
ALSO DOES --

IT DOES MULTIPLE FRAME RATES.  
SO WHEN YOU'RE DOING 720p, YOU  
CAN GO ONE TO SIXTY FRAMES A  
SECOND, AND WHEN YOU'RE DOING  
1080p, YOU CAN GO ONE TO THIRTY  
FRAMES A SECOND, WHICH MEANS --

[Pop captions up]

**Alex Lindsay:** WHEN YOU'RE  
DOING FIGHT SCENES, A LOT OF  
TIMES WHEN YOU SEE FIGHT SCENES,  
THEY'RE ACTUALLY SHOOTING AT  
ABOUT 20, 22 FRAMES A SECOND.

**Leo Laporte:** OH, REALLY?

**Alex Lindsay:** AND IT SPEEDS  
THEM UP A LITTLE BIT BECAUSE IT  
MAKES IT A LITTLE BIT MORE --

**Leo Laporte:** IT MAKES IT MORE EXCITING.

**Alex Lindsay:** AND THEN ALSO --

**Leo Laporte:** SO YOU HAVE THAT CAPABILITY.

**Alex Lindsay:** YOU HAVE THAT CAPABILITY.

[Pop captions down]

**Alex Lindsay:** YOU CAN SET IT

TO WHAT YOU WANT AND SHOOT

ANYTHING, ONE THROUGH THIRTY OR 1080p.

NOW HERE --

**Leo Laporte:** IS THAT BETTER

TO DO IT THAT WAY IN THE CAMERA

THAN TO DO IT AFTER THE FACT IN

FINAL CUT?

**Alex Lindsay:** SOMETIMES IT

CAN BE, AND HERE'S WHY IS

BECAUSE THE MOTION BLUR WILL

LOOK MORE NATURAL WHEN YOU DO IT

IN CAMERA.

NOW HERE'S --

ELIZA WAS IN THE BACK, AND I'M

AFRAID I JUST ASKED HER TO WAVE

HER HAIR HERE, SO --

**Leo Laporte:** FROM OUR SISTER SHOW, "TORRENT."

**Alex Lindsay:** YEAH, SO --

SO IF WE HIT "PLAY" HERE, WHAT

YOU'RE GONNA SEE --

**Leo Laporte:** SHE'S --

NOW, THIS IS THE SLOW MOTION.

**Alex Lindsay:** THAT'S THE 60 FRAMES A SECOND.

**Leo Laporte:** SO THAT'S IF YOU'RE SHOOTING A WEDDING, AND

YOU WANT THE BRIDE TO LOOK, OH,

SO... FRISKY.

**Alex Lindsay:** YEAH, SO -- SO THAT'S THE --

**Leo Laporte:** THAT'S SO GREAT.

(Laughing)

**Alex Lindsay:** BUT, YOU KNOW,  
THAT KIND OF EFFECT IS HARD TO GET.

**Leo Laporte:** CAN YOU DO THAT WITH ME?

**Alex Lindsay:** YEAH, YEAH, EXACTLY.  
YOUR HAIR DIDN'T MOVE ENOUGH,  
YOU KNOW.

**Leo Laporte:** NO, IT'S PLASTERED DOWN UNFORTUNATELY.

(Both laughing)

**Alex Lindsay:** SO THAT'S A FEATURE THAT IS RARE.

NOW, YOU CAN SEE --  
YOU KNOW, THERE ARE SOME CAMERAS  
THAT ARE NOW DOING IT, BUT BEING  
ABLE TO SCALE THAT IN, YOU KNOW,  
UP TO WHERE YOU NEED TO GO --

**Leo Laporte:** YOU KNOW WHAT  
BLOWS ME AWAY?  
WE'RE KIND OF GLOSSING OVER  
THIS, BUT THIS IS A 1080p  
HIGH-DEF CAMERA FOR UNDER \$7,000.  
THAT'S KIND OF AMAZING.  
THESE WERE \$100,000 FIVE YEARS AGO.

**Alex Lindsay:** I THINK THAT  
EVEN IF YOU'RE NEVER GONNA SPEND  
\$7,000 ON A CAMERA, WHAT'S  
INTERESTING, I THINK, FOR OUR  
VIEWERS IS GOING TO BE THE FACT  
THAT THE REVOLUTION IS ARRIVING --

**Leo Laporte:** BOY, NO KIDDING!

**Alex Lindsay:** AND BEING ABLE TO GO HEAD TO HEAD --

**Leo Laporte:** YOU COULD MAKE A MOVIE WITH THAT REALLY.

**Alex Lindsay:** YOU COULD MAKE

A MOVIE WITH THIS.

**Leo Laporte:** YOU TOTALLY  
COULD MAKE A MOVIE WITH IT.

**Alex Lindsay:** MORE IMPORTANTLY, YOU CAN MAKE  
TV-QUALITY VIDEO.

**Leo Laporte:** RIGHT.

**Alex Lindsay:** YOU KNOW, YOU  
REALLY HAVE A CAMERA THAT'LL DO  
STUFF, SO IF YOU WANTED TO MAKE  
SOMETHING ONLINE THAT LOOKED  
LIKE TV --

**Leo Laporte:** THIS IS AS GOOD  
AS THE PROFESSIONAL BETA DECKS  
THAT FILM CREWS, YOU KNOW, CAMERAS --

**Alex Lindsay:** OH, THIS LOOKS  
BETTER THAN THE BETA --

**Leo Laporte:** IT'S BETTER?

**Alex Lindsay:** THE OLD BETA DECKS.  
(Both talking at once)

**Alex Lindsay:** ABSOLUTELY, SO...

**Leo Laporte:** THAT SO-CALLED  
"BROADCAST QUALITY" AIN'T SUCH  
HIGH QUALITY ANYMORE!

**Alex Lindsay:** WELL, IT'S HIGH QUALITY.  
IT'S JUST THAT THE CAMERAS NOW --

**Leo Laporte:** THESE ARE BETTER.

**Alex Lindsay:** THE COMPETITION  
IS FORCING THIS TO LARGER AND  
LARGER FRAME RATES.  
IT'S GONNA BE A VERY EXCITING  
TIME WHEN WE'RE SEEING STUFF  
THAT'S DOWNLOADED ON OUR  
APPLE TV OR ONLINE THAT LOOKS AS

GOOD OR BETTER THAN TV, AND IT'S  
DONE BY INDIVIDUALS, YOU KNOW,  
THAT HAVE --

**Leo Laporte:** AND THIS WILL BE  
HALF THE COST IN A COUPLE OF  
YEARS, EASILY.

**Alex Lindsay:** YEP.

**Leo Laporte:** AND YOUR HOME  
CAMCORDER WILL BE THIS CAPABLE,  
WELL, PROBABLY NOT THIS CAPABLE,  
BECAUSE YOU DON'T NEED A LOT OF  
THOSE FEATURES, BUT --

**Alex Lindsay:** IT'S COMING --

BUT THIS WILL BE --

YEAH, THIS WILL BE \$3,000 IN TWO YEARS.

IT'LL BE --

YOU KNOW, AND SO IT JUST MEANS  
THAT EVERYONE WILL BE ABLE TO DO THAT.

**Leo Laporte:** I WANT ONE!

**Alex Lindsay:** YOU NEED ONE.

**Leo Laporte:** I WANT ONE NOW!

I DON'T NEED IT.

**Alex Lindsay:** (Laughing)

**Leo Laporte:** I HAVE NO REASON TO GET IT.

THANK YOU, ALEX LINDSAY.

[Pop captions up]

**Leo Laporte:** IF YOU WANT TO  
KNOW MORE, THIS IS WHAT  
PIXEL CORPS DOES, [pixelcorps.com](http://pixelcorps.com).  
YOU LEARN HOW TO USE THIS GEAR,  
YOU GET TRAINED UP, AND THEN YOU  
GET WORK.

IT'S A GUILD OF MULTIMEDIA

PROFESSIONALS, AND IT'S A GREAT GROUP.  
IF YOU WANT TO LEARN MORE, [pixelcorps.com](http://pixelcorps.com).  
AND ALEX COMES BACK FREQUENTLY,  
AND I HOPE YOU WILL COME BACK  
SOON AND SHOW US MORE TOYS THAT  
EVERYBODY WANTS BUT CAN'T AFFORD.  
ALL RIGHT, MORE OF YOUR CALLS  
COMIN' UP IN JUST A BIT.  
YOU STAY RIGHT HERE.  
CAN I JUST TOUCH IT?

(Funky digital music)

[Pop captions down]

COMMERCIAL

(Theme music playing)

**Kate Abraham:** HEY, WELCOME BACK TO "THE LAB WITH LEO."

I'M KATE ABRAHAM, AND NOW IT'S  
TIME FOR MY TIP OF THE DAY.  
NOW TELL ME SOMETHING.  
HOW GOOD ARE YOU AT THROWING PENGUINS?

[yetisports.org](http://yetisports.org) IS A FANTASTIC  
CLASSIC FLASH GAME WHICH I HAVE  
SPENT FAR TOO MANY HOURS PLAYING  
ON, [yetisports.org](http://yetisports.org).

IT HAS A NUMBER OF DIFFERENT  
GAMES YOU CAN PLAY, AND IT'S A  
BEAUTIFUL SITE, VERY SIMPLE TO  
USE, KIND OF COOL TO LOOK AT,  
AND THE GREAT THING IS MY  
FAVOURITE GAME IS THIS ONE.  
AND WHAT I HAVE TO DO IS I AM THE YETI --

(Yeti howling)

**Kate Abraham:** AND I HAVE TO  
SPIN AROUND LIKE THIS AND THEN

RELEASE MY PENGUIN --

**Leo Laporte:** (Laughing)

**Kate Abraham:** AND GET IT AS HIGH AS I CAN WITHOUT THE SEA LIONS EATING MY PENGUIN OUT THE WINDOWS.

**Leo Laporte:** RELEASE THE PENGUINS!

**Kate Abraham:** AND THERE YOU GO, A NEW TOP SCORE.

[Pop captions up]

**Kate Abraham:** SO THAT IS [yetisports.org](http://yetisports.org).

**Leo Laporte:** THAT JOINS A LONG LIST OF FLASH ANIMAL-THROWING GAMES.

[Pop captions down]

**Kate Abraham:** EXACTLY.

(Chuckling)

**Leo Laporte:** (Chuckling)

**Kate Abraham:** THE BEST ONE IS THE ONE WHERE THE PENGUIN JUMPS, AND YOU HAVE TO SMACK IT WITH A BASEBALL BAT.

(Chuckling)

IT'S HOURS OF FUN.

**Leo Laporte:** WELL, SEE, THE PENGUIN LOOKED LIKE HE WAS ENJOYING THAT ONE.

**Kate Abraham:** HE LIKES IT. HE'S GETTING SPUN AROUND.

**Leo Laporte:** I DON'T KNOW ABOUT THE BASEBALL BAT ONE.

**Kate Abraham:** HE LIKES IT.

(Laughing)

**Leo Laporte:** (Howling like a Yeti)  
YETI SPORTS.

ALL RIGHT, THAT'S FUN.

**Kate Abraham:** OKAY, SO NOW  
WE'RE GOING TO VANCOUVER --

**Leo Laporte:** YEAH.

**Kate Abraham:** AND WE HAVE  
MATTHEW ON THE LINE.

**Leo Laporte:** ALL RIGHT, THANK YOU, KATE.  
HELLO, MATTHEW!

**Matthew:** HELLO, LEO.

[Pop captions up]

**Matthew:** HOW ARE YOU?

**Leo Laporte:** I'M GOOD.

HOW ARE YOU?

**Matthew:** I'M OUTSTANDING.

THANK YOU FOR TAKING MY CALL.

**Leo Laporte:** THANK YOU FOR CALLING.  
NOW THAT WE'VE GOT THE AMENITIES  
OUT OF THE WAY, WHAT CAN I DO FOR YA?

**Matthew:** WELL, I'VE GOT A  
PRETTY SIMPLE QUESTION, I THINK.  
I'M RECORDING YOU ON TECH TV ON  
MY MEDIA CENTRE PC --

**Leo Laporte:** OKAY.

**Matthew:** AND I'VE GOT ABOUT,  
OH, I DON'T KNOW, 18 EPISODES  
BACKLOGGED, AND I WAS HOPING  
THAT THERE'S A WAY TO BE ABLE TO  
WATCH THEM, CONVERT THE FILES TO  
WATCH THEM ON MY BLACKBERRY 8300.

**Leo Laporte:** (Whistles, then exhales loudly)  
SO I ACTUALLY HAPPEN TO HAVE  
THAT VERY BLACKBERRY RIGHT HERE.

[Pop captions down]

**Leo Laporte:** IT IS NOT THE  
BEST VIDEO PLAYER I'VE EVER SEEN  
IN MY LIFE.  
IT DOESN'T HAVE A LOT OF OOMPH.  
HAVE YOU WATCHED VIDEO ON IT BEFORE?

**Matthew:** NO, I HAVEN'T.  
IT'S A WORK UNIT, SO IT'S  
SUPPLIED BY THE COMPANY, AND  
THIS IS KIND OF --

**Leo Laporte:** IT SEEMS LIKE YOU'D BE ABLE TO.  
I MEAN IT'S GOT A NICE SCREEN.  
I MEAN IT --  
BUT IT'S NOT A SUPER FAST PROCESSOR.  
I DON'T EVEN --  
WELL, ALL RIGHT.

SO THERE'S A COUPLE THINGS WE  
HAVE TO DO.  
FIRST OF ALL, THE MEDIA CENTRE  
RECORDS IN AN MS FORMAT, THE  
DVR-MS FORMAT.

**Matthew:** YEAH, YEAH.

**Leo Laporte:** SO YOU HAVE TO  
CONVERT THEM WITH A CONVERTER OF  
SOME KIND.  
HERE'S ONE, DIGITAL MEDIA CONVERTER.  
IT'LL TAKE THE DVR-MS FILES AND  
CONVERT THEM TO ALMOST ANY FORMAT.  
NOW, THE KEY --  
THE NEXT THING IS TO FIGURE OUT,  
WELL, WHAT FORMAT IS THE  
BLACKBERRY GONNA TAKE, AND THAT  
I'M NOT SURE ABOUT, SO LET'S DO  
A LITTLE SEARCH FOR THAT.

I'M GONNA GO BACK TO GOOGLE  
HERE, AND I'M GONNA GO --  
WHICH ONE DO YOU HAVE?

(Keyboard clacking)

**Matthew:** 8300.

**Leo Laporte:** 8300.

YEAH, I HAVE AN 8320.

UH, "VIDEO," LET'S SEE.

AND DO YOU HAVE A PLAYER ON THERE?

**Matthew:** NO, I DON'T.

**Leo Laporte:** I THINK --

I THINK YOU CAN RUN THE CANOMA.

I'M NOT SURE.

LET'S SEE.

LET'S SEE WHICH PLAYER, BECAUSE  
THAT'S REALLY WHAT WE'RE GONNA  
HAVE TO FIGURE OUT.

WELL, HERE'S A --

THERE IS A MEDIA PLAYER ON  
THERE, AND I'M TRYING TO FIGURE  
OUT WHAT KIND OF VIDEO CLIPS THE  
MEDIA PLAYER WILL HANDLE.

THAT'S THE QUESTION WE NEED TO KNOW.

ALL RIGHT, THIS IS WHAT I WOULD DO.

THERE'S THE ROXIO MEDIA MANAGER,  
WHICH YOU USE FOR CONVERTING AND  
TRANSFERRING MUSIC AND VIDEO

FILES TO THE BLACKBERRY, SO  
THAT'S WHAT WE NEED TO GET.

SO THAT'LL --

THAT'S A LITTLE --

SO YOU'RE GONNA TAKE THE --

NOW, IF THE ROXIO READS MS,

DVR-MS FILES, YOU'D BE GOLDEN,  
BUT, OF COURSE, IT WON'T, SO  
WHAT YOU'RE GONNA HAVE TO DO IS  
CONVERT IT INTO A FORMAT,  
PROBABLY, YOU KNOW, ALMOST ANY FORMAT.  
MPEG, AVI WILL WORK, AND THEN  
YOU'LL USE THIS ROXIO MEDIA  
MANAGER AND CONVERT IT AND ALSO  
TRANSFER IT, BY THE WAY, TO YOUR BLACKBERRY.  
SO IT'S GONNA BE A TWO-STEP PROCESS.  
IT'S GONNA TAKE A LITTLE TIME,  
TOO, BECAUSE THERE'S A LOT OF  
WORK GOING ON BETWEEN THE TWO.  
HOW IT WILL LOOK IS ANOTHER QUESTION.  
I'M NOT SURE THE VIDEO QUALITY  
WILL BE SUPER GOOD, BUT YOU'LL  
BE ABLE TO HEAR --  
YOU'LL BE ABLE TO HEAR, YOU  
KNOW, THE AUDIO AND SEE THE  
PICTURES, AND REALLY IT'S THE --  
OFTENTIMES, I'M FOUND THIS WITH VIDEO.  
EVEN IF THE VIDEO QUALITY'S NOT  
GREAT, IF YOU CAN HEAR WHAT'S  
GOING ON, IF THE AUDIO QUALITY'S  
GOOD, THAT'S USUALLY GOOD  
ENOUGH.

(Indiscernible)

**Leo Laporte:** SO THOSE ARE THE  
TWO THINGS YOU NEED.

**Matthew:** OKAY.

[Pop captions up]

**Matthew:** SO WHICH OF THE  
PROGRAMS DO I USE TO CONVERT IT

SO THAT THE ROXIO MEDIA MANAGER CAN --

**Leo Laporte:** WELL, THERE'S A NUMBER OF THEM.

THE ONE I WAS SHOWING YOU IS, I

DON'T THINK, VERY EXPENSIVE.

[Pop captions down]

**Leo Laporte:** WHERE IS IT HERE?

IT IS THE DIGITAL MEDIA

CONVERTER FROM DESKSHARE, AND

LET ME JUST SEE HOW MUCH --

I DON'T THINK THIS EVEN COSTS

ANYTHING, SO --

WE'LL PUT A LINK IN THE SHOW NOTES.

IT'S [deskshare.com](http://deskshare.com), DIGITAL

MEDIA CONVERTER, AND IT'S

DESIGNED TO TAKE THOSE MS FILES

AND PUT THEM IN A FORMAT --

THAT'S THE REAL THING IS YOU'VE

GOTTA GET THE FORMAT INTO

SOMETHING THAT THE OTHER STUFF

CAN HANDLE.

IT'S SUCH AN ODDBALL FORMAT.

THE MICROSOFT FORMAT IS NOT A

STANDARD FORMAT.

**Matthew:** ONLY FOR MICROSOFT, OF COURSE.

**Leo Laporte:** YEAH, OF COURSE.

(Chuckling)

WOULD YOU EXPECT ANYTHING LESS?

**Matthew:** NO.

[Pop captions up]

**Leo Laporte:** BUT, YOU KNOW,

ACTUALLY, I ACTUALLY WANT TO PAT

THEM ON THE BACK BECAUSE MOST

OTHER DVR'S, THE TiVo, YOUR

CABLE COMPANY'S DVR, THE  
SATELLITE DVR'S, ENCRYPT THESE  
THINGS AND DON'T LET YOU GET  
ACCESS TO THEM AT ALL.  
THEY ACTIVELY PREVENT YOU FROM  
DOING WHAT YOU WANT TO DO.  
THEY DON'T WANT YOU TO DO THAT  
BECAUSE THEY'RE AFRAID YOU'RE  
GONNA STEAL MOVIES.  
SO TO MICROSOFT'S CREDIT, AT  
LEAST THEY HAVEN'T ENCRYPTED  
THESE FILES YET.

(Chuckling)

[Pop captions down]

**Leo Laporte:** YOU CAN --  
YOU CAN STILL CONVERT THEM.  
THIS IS A GREAT SITE BECAUSE IT  
EXPLAINS STEP BY STEP ALL THE  
DETAILS OF WHAT YOU NEED TO DO.  
LET ME JUST SEE WHAT THE PRICE IS.  
IT LOOKS LIKE IT IS \$40 U.S.

(Indiscernible)

**Leo Laporte:** AND IT WILL CONVERT INTO --  
YOU KNOW WHAT?  
IT MIGHT GET THE JOB DONE  
GETTING INTO A FILE.  
IT LOOKS ALL --  
LOOK AT ALL THE FORMATS IT SUPPORTS.  
IT MIGHT WELL GET IT INTO THE  
FORMAT THAT YOU CAN USE.  
YOU JUST HAVE TO FIGURE OUT  
EXACTLY WHAT FRAME RATE AND  
SCREEN SIZE THAT BLACKBERRY CAN

HANDLE BECAUSE I CAN GUARANTEE  
YOU IT'S NOT GONNA BE ABLE TO  
HANDLE A HIGH FRAME RATE AND A LARGE --  
A LARGE FRAME SIZE.

(Mellow digital music)

**Leo Laporte:** OKAY?

**Matthew:** THANKS VERY MUCH, LEO.

**Leo Laporte:** THANK YOU, MATTHEW.

YOU KNOW WHAT?

I'M GONNA HAVE TO TRY THAT.

I'D LIKE TO BE ABLE TO WATCH THE  
SHOW ON MY PHONE.

I MEAN I LOVE --

DON'T YOU LOVE YOUR CURVE?

**Matthew:** OH, I DO. IT'S GREAT.

**Leo Laporte:** IT'S A GREAT PHONE!

**Matthew:** YOU KNOW, I DON'T

WANT TO CARRY SO MANY, YOU KNOW, APPLICA --

**Leo Laporte:** RIGHT!

**Matthew:** AND SO MANY PIECES IN MY (Unclear) --

**Leo Laporte:** IT DOES EVERYTHING YOU WANT.

I MEAN I'VE JUST BEEN VERY HAPPY  
WITH THIS PHONE.

ALL RIGHT.

AND, BY THE WAY, DID YOU KNOW  
THAT BLACKBERRY HAD ITS BIGGEST  
YEAR IN HISTORY IN 2007?

MORE PEOPLE ARE BUYING  
BLACKBERRIES THAN EVER BEFORE.

ALL RIGHT, COMING BACK IN JUST A  
LITTLE BIT, WE'RE GONNA TALK ABOUT...

" KINZIN ""

MICHAEL FERGUSSON WILL JOIN US

TO TALK ABOUT THIS NEW SOCIAL  
NETWORK.

[Pop captions up]

**Leo Laporte:** YOU STAY RIGHT HERE.

BUT RIGHT NOW ONE MORE CHANCE TO

TAKE OUR QUIZ QUESTION OF THE DAY!

DO YOU KNOW THE ANSWER TO THIS?

WHAT WERE THE U.S. SALES OF HALO

ON ITS FIRST DAY OF RELEASE BACK

IN SEPTEMBER?

50 MILLION, 75 MILLION,

100 MILLION, 170 MILLION DOLLARS?

DO YOU KNOW?

I'LL TELL YOU WHAT.

HANG ALONG.

WE'LL TELL YOU THE ANSWER IN

JUST A LITTLE BIT WHEN "THE LAB" CONTINUES.

[MUSIC]

[Pop captions down]

COMMERCIAL

[Pop captions up]

(Lively digital music)

**Leo Laporte:** WELCOME BACK TO "THE LAB."

BEFORE THE BREAK, WE ASKED YOU

HOW WELL HALO 3 DID ON ITS DEBUT

DAY IN THE U.S.

170... MILLION... DOLLARS!

IF IT WERE A MOVIE, IT WOULD'VE

BEEN THE BEST-SELLING MOVIE OF

ALL TIME.

[Pop captions down]

**Leo Laporte:** MICHAEL FERGUSSON IS HERE.

HE'S CHIEF PRODUCTS AND

INNOVATIONS OFFICER AT KINZIN.  
NOW, WE TALKED TO YOU A LITTLE  
WHILE AGO ABOUT, HA, "ARE YOU  
NORMAL," WHICH IS A FACEBOOK APP  
THAT I CAN'T STOP PLAYING.  
IT'S REALLY FUN.

BUT THAT WASN'T REALLY WHAT  
KINZIN'S ALL ABOUT.  
YOU ACTUALLY DO SOMETHING A  
LITTLE BIT MORE INTERESTING,  
ALTHOUGH IT DOES INTEGRATE WITH  
FACEBOOK VERY WELL, AS I CAN SEE.

**Michael Fergusson:** YEAH.

**Leo Laporte:** TELL ME A LITTLE  
BIT ABOUT KINZIN AND WHAT YOU'RE  
UP TO.

[Pop captions up]

**Michael Fergusson:** SURE.  
WELL, WE SEE THAT THERE'S A  
PROBLEM WITH THE INTERNET ONLINE  
AND SOCIAL NETWORKS BECAUSE  
THEY'RE VERY PEER-ORIENTED.  
THEY'RE NOT VERY ORIENTED WELL  
TOWARDS FAMILIES.

**Leo Laporte:** YEAH, MY KIDS  
WON'T JOIN MY --  
WON'T LET ME BE A FACEBOOK FRIEND.

[Pop captions down]

**Michael Fergusson:** (Laughing)  
THAT'S RIGHT.

**Leo Laporte:** THEY HAVE THEIR  
OWN FACEBOOK, I HAVE MY  
FACEBOOK, AND NEVER THE TWAIN

SHALL MEET.

**Michael Fergusson:** THAT'S RIGHT.

IT'S A WEIRD THING TO HAVE YOUR  
MOM OR YOUR DAD ASKING TO BE  
YOUR FRIEND ONLINE.

**Leo Laporte:** IT IS CREEPY.

I UNDERSTAND.

**Michael Fergusson:** AND BUT,  
YOU KNOW, PARENTS LIKE TO SHARE  
INFORMATION ABOUT THEIR KIDS,  
ESPECIALLY WITH YOUNG KIDS.

I'VE GOT A COUPLE OF YOUNG KIDS  
OF MY OWN, AND I'M VERY  
CONCERNED ABOUT PRIVACY.

[Pop captions up]

**Michael Fergusson:** I WANT TO  
TELL PEOPLE, BOAST ABOUT MY  
KIDS, BUT I'M WORRIED ABOUT JUST  
ANYBODY SEEING PICTURES OF THEM,  
SO WHAT WE'VE GOT IS AN  
APPLICATION THAT'S CALLED "THESE  
ARE MY KIDS" THAT LETS PEOPLE  
PUBLISH INFORMATION ABOUT THEIR  
KIDS TO SOCIAL NETWORKS LIKE  
FACEBOOK BUT ALSO OUT ONTO THE  
WEB FOR PEOPLE WHO DON'T USE  
FACEBOOK --

[Pop captions down]

**Leo Laporte:** OH, THAT'S NEAT.

**Michael Fergusson:** AND KEEP EVERYTHING PRIVATE AND SAFE SO  
NOBODY CAN SEE PICTURES OF YOUR  
KIDS UNLESS YOU EXPLICITLY ALLOW THEM TO.

**Leo Laporte:** LET ME TAKE A STEP BACK.

YOU GUYS WERE WEB DEVELOPERS ORIGINALLY?

IS THAT KIND OF HOW YOU GOT INTO THIS?

**Michael Fergusson:** THAT'S RIGHT.

YEAH, WE WERE A TEAM PUT  
TOGETHER TO DO WEB DEVELOPMENT.

**Leo Laporte:** AND YOU LOOK AT  
THE WORLD, AND YOU SAY, "WHAT  
DOES THE WORLD NEED?"

"WHAT WOULD BE THE NEXT BIG THING?"

IS THAT KIND OF HOW IT WORKS?

**Michael Fergusson:** YEAH, IT  
TURNS OUT THAT OUR GROUP HAS A  
LOT OF PARENTS IN IT, SO --

**Leo Laporte:** SO IT WAS A NATURAL.

**Michael Fergusson:** IT WAS A NATURAL.  
WE ALL LOOKED AT EACH OTHER, AND  
WE SAID, "WE ALL LOVE THIS  
SOCIAL NETWORKING THING --"

**Leo Laporte:** YEAH.

**Michael Fergusson:** "BUT I CAN'T GET MY MOM, I CAN'T GET MY  
GRANDMA ON IT, AND I DON'T WANT  
MY KIDS TO BE ON IT --"

**Leo Laporte:** RIGHT.

**Michael Fergusson:** "AND I WANT TO TALK ABOUT MY KIDS, BUT  
HOW DO I DO THAT?"

**Leo Laporte:** VERY CLEVER.  
ALL RIGHT, WELL, LET'S TAKE A LOOK.

SO DO WE START AT [kinzin.com](http://kinzin.com), OR  
WHERE DO WE START?

**Michael Fergusson:** YOU CAN GO TO [kinzin.com](http://kinzin.com) AND START UP.  
WE HAVE --

THERE'S TWO HALVES TO OUR APPLICATION.  
ONE-HALF IS A PUBLISHING APP,

AND THE OTHER IS A VIEWING APP.  
SO I'M GONNA SHOW YOU THE  
PUBLISHING APP HERE INSIDE  
FACEBOOK BECAUSE YOU CAN USE IT  
FROM THERE.

**Leo Laporte:** IT'S A FACEBOOK  
APP AS WELL?

**Michael Fergusson:** IT'S A FACEBOOK APP AS WELL, AND THERE  
ARE SOME REALLY COOL THINGS YOU  
CAN DO IN FACEBOOK AS WELL AS IF  
YOU WANT TO USE IT OUTSIDE.  
SO HERE IS THE HOME PAGE OF  
"THESE ARE MY KIDS."

IT LOOKS JUST LIKE THIS ON THE  
WEB WITHOUT THE FACEBOOK CHROME.  
I'VE GOT TWO KIDS, SO HERE ARE  
MY TWO KIDS' PROFILES.

**Leo Laporte:** OKAY.

**Michael Fergusson:** SO IN FACEBOOK, YOU CAN HAVE A PROFILE  
FOR YOURSELF AND UPDATE YOUR  
STATUS MESSAGES.

WHAT I'VE GOT HERE IS I'VE GOT  
PROFILES OF MY KIDS THAT ARE  
CHILD PROFILES OF MINE, SO OTHER  
PEOPLE CAN'T FIND THEM UNLESS I  
ALLOW THEM TO.

**Leo Laporte:** SO THEY HAVE TO  
BE YOUR FRIEND AND HAVE TO BE  
PERMITTED BEFORE THEY CAN SEE THIS.

**Michael Fergusson:** THAT'S RIGHT.

**Leo Laporte:** THAT'S A GOOD  
THING OBVIOUSLY, YEAH.

**Michael Fergusson:** AND SO HERE'S A --

HERE'S THE --

**Leo Laporte:** BUT GRANDMA CAN SEE THIS, AND MOM CAN SEE IT, YEAH.

**Michael Fergusson:** THAT'S RIGHT. I'LL SHOW YOU HOW THE INVITATIONS WORK BECAUSE WE THINK THAT'S REALLY CLEVER, TOO. THEY DON'T NEED TO SIGN UP FOR ANYTHING.

THERE'S NO LOGIN OR SIGN-UP --

**Leo Laporte:** I LIKE THAT.

**Michael Fergusson:** THAT'S REQUIRED, YEAH. SO HERE'S MY DAUGHTER, RUBY. IT'S HER PROFILE.

SO SHE'S ACTING IN A PLAY TOMORROW, BUT YOU CAN SEE THAT THIS STATUS IS THREE DAYS OLD.

**Leo Laporte:** RIGHT.

**Michael Fergusson:** SO SHE WAS ROCK-CLIMBING RECENTLY, SO WHY DON'T I --

**Leo Laporte:** OH, LOOK AT THAT!

**Michael Fergusson:** GO TO MY SHOEBOX, WHICH CONTAINS ALL THE PHOTOGRAPHS FROM MY LOCAL HARD DRIVE AS WELL AS ALL THE PHOTOS I HAVE IN FACEBOOK, AS WELL AS ALL THE PHOTOS I HAVE IN FLICKR --

**Leo Laporte:** OKAY.

**Michael Fergusson:** AND I WILL --

**Leo Laporte:** SO IS THIS A WEB-BASED APP RIGHT NOW, OR IS IT A DESKTOP APP?

THIS IS COMING OFF THE WEB?

WOW.

**Michael Fergusson:** THIS IS ALL COMING OFF THE WEB, AND I

CAN UPLOAD PHOTOS FROM MY LOCAL DRIVE AND HAVE THEM APPEAR IN THE SHOEBOX.

**Leo Laporte:** WHAT DO YOU GUYS DEVELOP IN, JUST OUT OF CURIOSITY?

**Michael Fergusson:** THE BACK END TO OUR APP IS ALL RUBY ON RAILS.

**Leo Laporte:** RUBY ON RAILS.

**Michael Fergusson:** YEAH.

**Leo Laporte:** IT'S BEAUTIFUL. IT'S REALLY --

**Michael Fergusson:** YEAH, WE LOVE IT A LOT. SO HERE IS --

HERE'S OUR NEW STATUS UPDATE. SHE'S ROCK-CLIMBING.

**Leo Laporte:** SO IF YOU USE FACEBOOK, THIS WILL BE VERY FAMILIAR TO YOU -- YOU'LL BE VERY COMFORTABLE WITH THIS -- OR ANY SOCIAL NETWORK REALLY.

**Michael Fergusson:** THAT'S RIGHT.

**Leo Laporte:** IT'S A LITTLE PRETTIER THAN MOST OF THEM.

**Michael Fergusson:** THAT'S RIGHT. AND SO YOU CAN SEE HERE I'VE UPDATED HER STATUS MESSAGE, AND HERE'S, IN FACT, A HISTORY OF ALL THE STATUS MESSAGES.

**Leo Laporte:** WHAT SHE'S BEEN UP TO. I SEE SHE HAS A WISH LIST. I LIKE THAT IDEA.

**Michael Fergusson:** THAT'S RIGHT. AND I CAN UPDATE HER WISH LIST. WHAT SHE'D LIKE TO HAVE IS --

**Leo Laporte:** GRANDMA WILL WANT TO KNOW.

**Michael Fergusson:** A PONY, THAT'S RIGHT.

**Leo Laporte:** YEAH.

**Michael Fergusson:** AND WHEN HER BIRTHDAY COMES UP, EVERYONE ON THE LIST GETS A MESSAGE, TELLING THAT HER BIRTHDAY'S COMING UP, AND THEY GET HER --

**Leo Laporte:** WHAT A GREAT IDEA!  
SO SHE PROBABLY LIKES THIS IDEA A LOT.

**Michael Fergusson:** YEAH, SHE LIKES IT A LOT.

**Leo Laporte:** (Laughing)

**Michael Fergusson:** AND MY SON IS FOUR YEARS OLD, AND SO HE'S ALWAYS SAYING VERY CUTE THINGS, AND IF YOU'RE LIKE ME, HOW DO YOU REMEMBER THEM?

**Leo Laporte:** "WHAT'S ANDREW SAYING?"

**Michael Fergusson:** I SHOULD WRITE THEM DOWN.  
BUT HERE I CAN JUST GO TO --  
ONLINE I CAN UPDATE A PICTURE OF HIM HERE, AND I CAN SAY THAT --

**Leo Laporte:** THIS IS VERY SNAPPY, TOO, I MUST SAY.  
WHOOPS!  
LET'S NOT WATCH WINDOWS.

**Michael Fergusson:** YEAH, LET'S NOT.

**Leo Laporte:** WHATEVER YOU DO.

(Both chuckling)

[Pop captions up]

**Michael Fergusson:** I CAN SAY THAT HERE'S ANDREW, AND HE'S...  
HE'S ROCKING OUT.

**Leo Laporte:** (Chuckling)

**Michael Fergusson:** AND EVERYBODY --

**Leo Laporte:** HE IS.

RAH!

[Pop captions down]

**Michael Fergusson:**

(Chuckling)

YES, YES.

**Leo Laporte:** (Chuckling)

**Michael Fergusson:** SO THAT'S ONE THING THAT I CAN DO, AND BUT  
THE OTHER GREAT THING THAT IT DOES --

SO THE STATUS MESSAGES ARE GOOD  
FOR WHAT YOUR KIDS ARE DOING  
SORT OF HOUR BY HOUR, MINUTE BY  
MINUTE, BUT I CAN ALSO CREATE  
THESE BOOKS, AND THE BOOKS ARE WONDERFUL.

THEY'RE --

IT'S KIND OF LIKE A PHOTO ALBUM  
BUT A LITTLE BIT MORE  
INTERESTING TO LOOK AT.

THERE'S PAGES, AND THERE'S  
CAPTIONS, AND THERE'S A WHOLE  
BUNCH OF DIFFERENT TEMPLATES  
THAT YOU CAN USE TO LAY OUT THE PAGES.  
HERE'S A TRIP THAT I DID FROM  
LAST SUMMER, WHEN WE VISITED CORTEZ ISLAND.

**Leo Laporte:** NOW, ARE THESE  
ONLY ONLINE BOOKS, OR CAN YOU  
GET THEM PRINTED OUT, TOO?

**Michael Fergusson:** YOU CAN GET THEM PRINTED OUT, TOO.  
THAT'S RIGHT.

**Leo Laporte:** WOW.

**Michael Fergusson:** SO ALL --  
FOR YOUR FAMILY MEMBERS THAT  
AREN'T ONLINE AT ALL, THEY CAN  
ALSO PARTICIPATE IN THE SOCIAL  
NETWORK BY GETTING THE BOOKS IN  
HARD COPY SHIPPED TO THEIR HOUSE.

AND SO IT'S VERY EASY TO  
NAVIGATE AROUND THIS BOOK.

**Leo Laporte:** IT LOOKS GORGEOUS, DOESN'T IT?

**Michael Fergusson:** YEAH, THANKS.

AND I CAN EASILY ADD A PAGE TO  
MY BOOK AND USE THE SAME PHOTO  
PICKER THAT I HAD BEFORE, PICK A PHOTO.  
THERE'S A PHOTO FROM --  
OF MY SON, ANDREW.

**Leo Laporte:** OH, THAT'S CUTE.

**Michael Fergusson:** ADD IT TO THE BOOK, AND --

**Leo Laporte:** YOU CAN EDIT THAT?

IT'S LIKE, JUST LIKE A --

**Michael Fergusson:** JUST CLICK AND EDIT AND SAVE, AND YOU'RE DONE.

**Leo Laporte:** THIS IS VERY SLICK.

NOW, THIS IS --

IT DOESN'T LOOK LIKE YOU'RE  
ACTUALLY ON --  
IT LOOKS LIKE YOU'RE ON FACEBOOK.

I DON'T UNDERSTAND THAT.

ARE YOU ON FACEBOOK RIGHT NOW?

**Michael Fergusson:** WELL, I'M INSIDE OUR APPLICATION, WHICH  
ACTUALLY RUNS INSIDE FACEBOOK.

**Leo Laporte:** SO YOU ARE RUNNING IN FACEBOOK?

**Michael Fergusson:** YEAH, YEAH.

**Leo Laporte:** WOW!

**Michael Fergusson:** AND ALSO THE WHOLE SYSTEM RUNS OUTSIDE OF  
FACEBOOK AS WELL.

**Leo Laporte:** IF I WANT TO ADD  
THIS TO MY FACEBOOK APPS, WHAT  
SHOULD I SEARCH FOR IN THE  
FACEBOOK APPS PAGE?

**Michael Fergusson:** SEARCH FOR "THESE ARE MY KIDS."

**Leo Laporte:** "THESE ARE MY KIDS," OKAY.

**Michael Fergusson:** YEAH.

LET ME SHOW YOU HOW SHARING  
WORKS BECAUSE WE THINK THAT'S  
MAYBE THE CLEVEREST PART OF THE  
APP, WHICH IS --

IT'S VERY, VERY SIMPLE.

IF I'M IN FACEBOOK, AS I AM NOW,  
I CAN JUST EASILY ADD MY FRIENDS.

THERE'S --

**Leo Laporte:** IT'LL SEARCH THROUGH YOUR FRIENDS LIST --

**Michael Fergusson:** IT'LL SEARCH THROUGH YOUR FRIENDS  
LIST.

(Indiscernible)

**Leo Laporte:** SO IF YOU'VE USED FACEBOOK, YOU'D KNOW THAT'S  
PRETTY EASY.

**Michael Fergusson:** THAT'S RIGHT.

I CAN ADD MY FACEBOOK FRIENDS.

**Leo Laporte:** DO THEY HAVE TO  
ADD THE APPLICATION TO USE THIS?

**Michael Fergusson:** NO, THEY DON'T.

**Leo Laporte:** I LIKE THAT!

**Michael Fergusson:** THEY DON'T  
HAVE TO ADD IT AT ALL.

**Leo Laporte:** I GET SO MANY  
INVITATIONS, AND I HAVE TO ADD  
THE APPLICATION BEFORE I CAN DO THAT.

**Michael Fergusson:** THAT'S RIGHT.

**Leo Laporte:** SO THIS, I JUST SAY "OKAY?"

**Michael Fergusson:** MM-HMM,  
AND YOU DON'T EVEN NEED TO BE IN FACEBOOK.  
SO HERE I'M GONNA INVITE MY MOM, AND --

**Leo Laporte:** AND SHE'S NOT ON

FACEBOOK AT THE MOMENT.

**Michael Fergusson:** SHE'S NOT ON FACEBOOK.

I JUST INVITE HER.

**Leo Laporte:** SO YOU GIVE THE E-MAIL ADDRESS?

**Michael Fergusson:** I PUT IN HER E-MAIL ADDRESS, AND SHE GETS AN INVITATION, AND THE INVITATION LOOKS LIKE THIS WHEN SHE GETS IT.

**Leo Laporte:** LOOK AT THIS.

THIS IS THE E-MAIL.

**Michael Fergusson:** SO IT'S JUST AN E-MAIL, AND ALL SHE NEEDS TO DO IS CLICK ON THE E-MAIL. SHE DOESN'T NEED TO SIGN IN OR ANYTHING LIKE THAT, AND SHE ENDS UP INSIDE kinzin.com, LOOKING AT THE BOOK.

**Leo Laporte:** OH, MICHAEL, YOU'VE DONE A GREAT JOB.

[Pop captions up]

**Michael Fergusson:** YEAH, SHE GETS A SPECIALLY ENCODED URL, AND A COOKIE GETS SET, SO SHE NEVER NEEDS TO --

**Leo Laporte:** SHE DOESN'T NEED A PASSWORD OR ANYTHING.

**Michael Fergusson:** AND YET IT REMAINS TOTALLY PRIVATE, AND YOU HAVE TOTAL CONTROL AT ALL TIMES OVER WHO SEES THE DATA.

**Leo Laporte:** THIS IS SO NEXT GENERATION FROM EVERYTHING I'VE SEEN.

[Pop captions down]

**Leo Laporte:** I MEAN THIS IS REALLY IMPRESSIVE, AND IT'S AMAZING.

HOW LONG DID IT TAKE YOU TO DEVELOP THIS FROM WHEN YOU GOT THE IDEA TO NOW?

**Michael Fergusson:** WELL, THE IDEAS BEHIND THIS APP HAVE BEEN AROUND IN OUR GROUP FOR ABOUT A YEAR, BUT WE STARTED WORKING ON IT IN EARNEST ABOUT FOUR MONTHS AGO.

**Leo Laporte:** FOUR MONTHS? AND THAT GIVES YOU AN IDEA OF WHAT RUBY ON RAILS IS CAPABLE OF. LOOK HOW POLISHED THIS IS.

**Michael Fergusson:** OH, IT'S A VERY POWERFUL --

**Leo Laporte:** THIS LOOKS LIKE SOMETHING THAT'S BEEN OUT FOR YEARS AND HAS BEEN REALLY TWEAKED AND POLISHED.

I CAN'T WAIT TO PLAY WITH IT.

"THESE ARE MY KIDS."

START ON FACEBOOK, ADDING THAT APP, AND THE REST WILL BECOME OBVIOUS.

**Michael Fergusson:** THAT'S RIGHT, OR YOU CAN VISIT [kinzin.com](http://kinzin.com), AND THERE'S A LINK RIGHT ON OUR HOME PAGE TO THE APP --

**Leo Laporte:** THAT'S GREAT.

I'M GONNA ADD IT RIGHT NOW.

THAT'S GREAT.

AND I ALSO AM GONNA PLAY THE OTHER ONE, "HOW NORMAL AM I," BECAUSE I'M NOT VERY NORMAL, AND I'M WORKING ON GETTING MORE NORMAL.

(Funky digital music)

**Michael Fergusson:** THAT'S NICE.

**Leo Laporte:** (Laughing)

**Michael Fergusson:** WELL, YOU KNOW WHAT? 1.2 MILLION PEOPLE HAVE USED THAT APP SO FAR --

**Leo Laporte:** ISN'T IT NEAT?

**Michael Fergusson:** SO IT'S VERY, VERY POPULAR STILL.

**Leo Laporte:** THAT'S SO GREAT.

[Pop captions up]

**Leo Laporte:** MICHAEL FERGUSSON WITH KINZIN, K-I-N-ZEE

OR ZED-I-N.com, K-I-N-Z-I-N.com,

AND YOU CAN ALSO ADD IT BY

ADDING "THESE ARE MY KIDS" TO

YOUR FACEBOOK PAGE.

[Pop captions down]

**Leo Laporte:** THANK YOU FOR

STOPPING BY, MICHAEL.

**Michael Fergusson:** YEAH, THANK YOU VERY MUCH FOR HAVING ME.

**Leo Laporte:** I REALLY APPRECIATE IT.

**Michael Fergusson:** I APPRECIATE IT.

**Leo Laporte:** A FINAL WORD

COMIN' UP AS "THE LAB"

CONTINUES RIGHT AFTER THIS.

STAY HERE.

(Theme music playing)

COMMERCIAL

(Theme music playing)

[Pop captions up]

**Leo Laporte:** WELL, IT TURNS

OUT THIS IS ST. PATRICK'S DAY.

I HAD TO LOOK AT THE CALENDAR.

**Kate Abraham:** APPARENTLY SO.

**Leo Laporte:** YOU DIDN'T EVEN KNOW!

**Kate Abraham:** I HAD NO IDEA.

**Leo Laporte:** NO, YOU JUST

DIDN'T WANT ME TO PINCH YOU.

[Pop captions down]

**Leo Laporte:** YOU WERE SMART.

**Kate Abraham:** (Laughing)

**Leo Laporte:** I'VE GOT A LITTLE GREEN.  
SEE?

I'VE GOT SOME GREEN!

ANYWAY, WE'RE SO GLAD YOU WERE HERE.

THIS WAS AN INTERESTING SHOW.

**Kate Abraham:** IT REALLY WAS A  
FANTASTIC SHOW.

**Leo Laporte:** FANTASTIC STUFF,  
AND WE COULDN'T HAVE DONE IT  
WITHOUT YOU AND YOUR QUESTIONS.

[Pop captions up]

**Leo Laporte:** IF YOU WANT TO  
BE ON OUR SHOW NEXT TIME, WHAT  
SHOULD THEY DO?

**Kate Abraham:** IT'S [labwithleo.com](http://labwithleo.com), FORWARD SLASH techquestions.

YOU'LL SEE THIS WHEN YOU LOG IN.

WHAT WE'LL DO IS YOU SUBMIT TO

HERE, I'LL PHONE YOU, AND WE'LL

GET YOU ON THE SHOW.

ANY PROBLEM YOU'VE GOT, WE WILL SOLVE IT.

**Leo Laporte:** YES.

**Kate Abraham:** GUARANTEED.

**Leo Laporte:** NO.

(Chuckling)

**Kate Abraham:** (Laughing)

NO PRESSURE.

**Leo Laporte:** DON'T SAY "GUARANTEED."

WE'LL DO OUR BEST, NO PROMISES.

NO, WE REALLY LOVE HAVING YOU

ON, AND PLEASE COME BACK AND

JOIN US.

TELL YOUR FRIENDS.

[Pop captions down]

**Leo Laporte:** THANKS FOR JOINING US.

WE'LL SEE YOU NEXT TIME ON "THE LAB."

BYE-BYE!

(Theme music playing)

[Pop captions up]

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[Pop captions down]

(Greedy theme plays, coins clinking)

(Rogers theme plays)