

[Pop captions up]

Kate Abraham: HEY, I'M KATE ABRAHAM.

ON TODAY'S SHOW WE'RE GOING TO
SHOW YOU A FANTASTIC NEW
WEBSITE THAT HELPS YOU MANAGE
CONTENT FOR YOUR DIGITAL PHOTO
FRAME.

Mr. MAXWELL HERE, YEAH, HE'S
GONNA FLASH ME.

(camera shutter clicks)

Kate: ALL THIS
AND MORE TODAY ON
"THE LAB WITH LEO."

[Pop captions down]

(Theme music: digital, integrating dial-up modem)

[Pop captions up]

Leo Laporte: I LIKE YOU ON
THE CATWALK.
THAT WAS GOOD. HA.
SHE'S GOING LIKE THIS.
HEY, HOW ARE YOU?
GOOD TO SEE YOU AND WELCOME
TO "THE LAB."
LEO LAPORTE HERE.
THIS IS KATE ABRAHAM.

Kate: I CAN'T SEE ANYTHING
RIGHT NOW. (laughing)

Leo: YOU DID A LITTLE TURN.

THAT WAS SO GOOD.

YOU WHEN "OO-HOO."

I LIKE IT.

HAVE YOU EVER DONE ANY
MODELING?

Kate: NO, I NEVER HAVE.

Leo: WELL, I THINK WE'RE
GOING TO HAVE TO GET YOU IN
FRONT OF THE CAMERA.

RAY MAXWELL IS HERE.

Kate: BUT I CAN'T SEE RIGHT
NOW. (laughing)

Leo: HE'S GONNA -- HE'S
GONNA SHOW YOU HOW TO BLIND
YOUR FRIENDS --

Kate: ABSOLUTELY.

Leo: -- AND AVOID RED EYE AT
THE SAME TIME.

Kate: MM-HMM. (laughing)

Leo: ACTUALLY, IF YOU USE A
DIGITAL SLR, YOU CAN REALLY
CONTROL LIGHTING --

Kate: MM-HMM.

Leo: -- AND HOW TO USE FLASH
IS REALLY KEY.
HE'LL SHOW US THE DETAILS.

[Pop captions down]

Leo: KATE ABRAHAM IS GONNA--
THAT'S YOU.

Kate: THAT'S ME.

Leo: I KNOW YOU.
YOU'RE GOING TO DO THOSE FRAME
THINGS --

Kate: IT'S --

Leo: -- BUT THIS IS KIND OF
A NEAT THING.

Kate: YES.

THIS IS ACTUALLY, IT'S A
WEBSITE CALLED FrameChannel AND
IT ALLOWS YOU TO MANAGE CONTENT
ON A WIRELESS PHOTO FRAME.

Leo: I LIKE THIS IDEA.

Kate: IT'S VERY COOL,
IT'S VERY NEW, AND I'M REALLY
EXCITED ABOUT IT.

Leo: YOU KNOW, IMAGINE, YOU
GET THE WEATHER OR THE NEWS ON
YOUR FRAME.

Kate: ABSOLUTELY.

Leo: I THINK THAT'S REALLY
NEAT STUFF.

ALSO SEAN'S SHINIES --

Kate: MM-HMM.

Leo: -- AND LOTS OF GREAT
CALLERS.

IN FACT, LET'S GET STARTED.

Kate: ABSOLUTELY.

WE HAVE LUISA AND SHE IS FROM
MOUNTAIN VIEW IN PENNSYLVANIA.

Leo: HI, LUISA.

Luisa: HI.

Leo: THANK YOU, KATE.

Luisa: ACTUALLY I'M IN
CALIFORNIA, BUT.

Leo: MOUNTAIN VIEW, CA, NOT
PA.

ALL RIGHT, WE'LL FIX THAT.

Luisa: THANK YOU FOR--

(laughing) THANK YOU FOR TAKING
MY QUESTION.

SO, I'M LOOKING FOR A DVR FOR
MY PARENTS.

AND SO THE THING IS THEY ONLY
WATCH CHINESE SHOWS.

Leo: OKAY.

[Pop captions up]

Luisa: SO, THE NORMAL
TELEVISION GUIDE IS IN ENGLISH
AND IS REALLY NOT VERY
INFORMATIVE --

Leo: NO GOOD, YEAH.

Luisa: -- SO THAT STUFF IS
KIND OF -- THAT FEATURE IS NOT
IMPORTANT.
SO, I WAS WONDERING IF THERE'S
ANY DEVICE THAT WOULD DO THAT
OR JUST LIKE A SIMPLE DEVICE?

[Pop captions down]

Luisa: AND I'M REALLY
LOOKING FOR SOMETHING WITH A
HARD DRIVE BECAUSE I'VE SEEN A
LOT OF ONES WITH DVD AND I
DON'T THINK THAT
(indiscernible).

Leo: NO, GET IT WITH A HARD
DRIVE.

I THINK THAT'S A GOOD IDEA.
NOW, I IMAGINE THEY MAKE THEM
WITH CHINESE MENUS IF YOU -- IF

YOU GO TO THE RIGHT STORES.

DO YOUR PARENTS READ ENGLISH AT
ALL OR?

Luisa: THEY CAN READ
ENGLISH.

Leo: OKAY.

Luisa: THEY CAN PROGRAM IT,
IT'S JUST THAT I THINK, YOU
KNOW, THE TV PROGRAM-- TV GUIDE
USUALLY HAS EVERYTHING IN
ENGLISH AND THEY DON'T WATCH
ANY OF THE SHOWS.

Leo: THEY DON'T CARE ABOUT IT.

Luisa: RIGHT.

Leo: OKAY.

Luisa: YEAH.

Leo: BUT THEY WOULD BE ABLE
TO USE THE DVR FOR THAT ENGLISH
LANGUAGE MENUS?

Luisa: RIGHT, RIGHT.

Leo: OKAY.

I MEAN, I-- YOU KNOW, MOST OF
THESE THINGS ARE MADE IN CHINA,
I'M SURE THERE ARE CHINESE
VERSIONS --

Luisa: (laughing)

Leo: -- OF ALL OF THIS STUFF.
SO, YOUR CABLE COMPANY HAS A
DVR AND A LOT OF TIMES THAT'S
THE EASIEST WAY TO GO BECAUSE
IT'S GOT THE CABLE DIGITAL BOX
BUILT INTO IT.

SO, IT'S JUST KIND OF AN

ALL-IN-ONE DEVICE, TAKES UP
LESS SPACE.

ALSO, AND THIS IS NOT -- THIS
IS NOT INSIGNIFICANT, BECAUSE
THE DVR IS IN THE CABLE BOX, IT
CAN CHANGE THE CHANNELS AND
PICK THE CHANNEL AND THAT'S
REALLY IMPORTANT WITH A DVR.

NOW, IF YOU ASK ME, THE BEST
DVRs ARE TiVos AND I MEAN
THERE'S JUST NO QUESTION TiVo
IS THE CREAM OF THE CROP.

IT'S THE BEST MENUS, THE BEST
USER INTERFACE.

IT'S GOT FEATURES THAT NO OTHER
DOES.

FOR INSTANCE, YOU CAN HAVE WISH
LISTS, BUT THESE SOUND LIKE
THINGS THAT YOUR PARENTS DON'T
CARE THAT MUCH ABOUT, TO BE
HONEST WITH YOU.

Luisa: RIGHT.

Leo: AND THE TiVo ADDS
COMPLEXITY IN THIS ONE SENSE.
BECAUSE IT'S NOT PART OF THE
CABLE BOX, YOU HAVE TO FIGURE
OUT HOW THE TiVo CAN CONTROL
THE CABLE BOX BECAUSE THE TiVo,
YOU KNOW, YOU SET IT TO RECORD
ON CHANNEL 26, THE TiVo HAS TO
BE ABLE TO TELL THE CABLE BOX
SWITCH TO CHANNEL 26 AT SIX
O'CLOCK.

SO, THERE ARE A COUPLE OF WAYS
TO DO THIS.

SOMETIMES YOU CAN CABLE THE
TiVo TO THE CABLE BOX.

IT DEPENDS ON THE INTERFACE IN
THE CABLE BOX.

[Pop captions up]

Leo: SOMETIMES YOU HAVE TO
USE SOMETHING CALLED IR
Blaster, WHICH IS A REAL HUGE
CRAZY SETUP WHERE YOU HANG A
LITTLE INFRARED DEVICE OVER THE
FRONT OF THE CABLE BOX THAT'S
CONNECTED TO THE BACK OF THE
TiVo AND THE TiVo SENDS AN
INFRARED COMMAND LIKE A
REMOTE -- LIKE A REMOTE CONTROL
COMMAND TO THE BOX, THE BOX
CHANGES, BUT, YOU KNOW, IF THE
THING FALLS OFF.

IT'S JUST A PAIN.

SO, IF YOU WERE GOING TO GO TO
YOUR PARENTS AND SET IT UP FOR
THEM AND MAYBE KIND OF BE THERE
ALL THE TIME TO MAKE SURE IT'S
GOING TO WORK ALL RIGHT, I'D
SAY MAYBE GET THE TiVo, BUT
YOU'VE SAID THAT YOU DON'T
REALLY CARE SO MUCH ABOUT THE
USER INTERFACE ANYWAY.

[Pop captions down]

Leo: I THINK GO TO THE CABLE
COMPANY.

YOUR CABLE COMPANY IN MOUNTAIN
VIEW IS Comcast?

Luisa: RIGHT.

Leo: YEAH.

Comcast IS A PERFECTLY GOOD
DIGITAL VIDEO RECORDER.

THEY OFFER IT.

YOU RENT IT.

YOU DON'T BUY IT.

SO, IF IT'S A GIFT, IT'S--

(laughing) MOM, I'M GOING TO

RENT THIS THING FOR YOU.

IT'S NOT AS--

Luisa: (laughing)

Leo: YOU CAN'T WRAP IT IN A
BOW, BUT YOU CAN AT LEAST GO TO
THE CABLE STORE, GET IT FOR
THEM AND SET IT UP FOR THEM.

THAT'S A PRETTY GOOD -- THAT'S
ACTUALLY A REALLY GOOD GIFT.

Luisa: YEAH.

Leo: YOU CAN EVEN PROGRAM IT
FOR THEM AHEAD OF TIME SO THAT
ALL THEY HAVE TO DO IS TURN IT
ON AND THE SHOWS THAT THEY
WATCH ARE ALREADY ON THE -- ON
THE DVR.

Luisa: (indiscernible)

Leo: (talking over caller)

THE Comcast BOX, LIKE ALL CABLE
COMPANY BOXES, IS NOT -- USER
INTERFACE-WISE IS NOT AS SLICK
AS THE TiVo, BUT IT DOESN'T

SOUND LIKE THAT'S A BIG DEAL
FOR THEM.

Luisa: HM.

SO, IS IT POSSIBLE TO USE TiVo
WITHOUT THE SUBSCRIPTION OR IS
IT (indiscernible)?

Leo: NO, YOU HAVE TO--

THAT'S THE OTHER THING IS TiVo
TAKES A MONTHLY OR LIFETIME
SUBSCRIPTION AND THE Comcast
BOX DOES, BUT IT'S BUILT INTO
THE CABLE BILL, SO YOU'RE NOT
REALLY AWARE OF IT, RIGHT?

Luisa: RIGHT.

Leo: IT'S JUST LIKE--

BASICALLY WHAT THEY DO IS THEY
TAKE IN THEIR SET-TOP BOX THAT
THEY ALREADY HAVE FOR THE
DIGITAL TV AND THEY GET
SOMETHING BACK THAT LOOKS
EXACTLY THE SAME.

THE ONLY DIFFERENCE IS IT HAS A
HARD DRIVE IN IT.

Luisa: OKAY.

Leo: AND I THINK THAT'S F--

I HAVE TO BE HONEST, I THINK
THAT'S PROBABLY THE EASIEST WAY
TO DO IT.

SAME THING IF THEY HAD
SATELLITE.

THE SATELLITE BOX THAT HAS THE
DVR IN IT, EVEN THOUGH IT'S NOT
AS SLICK AS A TiVo, IS STILL

BETTER JUST BECAUSE IT'S ALL
INTEGRATED TOGETHER.

Luisa: OKAY.

Leo: DOES THAT MAKE SENSE?

Luisa: OKAY, LESS -- LESS
STUFF TO MESS WITH, OKAY.

Leo: LESS STUFF TO MESS WITH.
YOU KNOW, THE IR Blaster FALLS
OFF, YOU'RE GOING TO GET A CALL
FROM YOUR PARENTS SAYING IT'S
NOT WORKING ANYMORE.

Luisa: (laughing)

Leo: DO THEY LIVE NEAR YOU?

Luisa: YEAH --

Leo: WELL--

Luisa: -- NO, THEY'RE NOT
NEAR ME.

Leo: OH, WELL, THEN, SEE,
THAT'S THE PROBLEM, LUISA,
YOU'RE NOT GOING TO GO ALL THE
WAY-- THAT'S A PRETTY PI-- I
JUST NOTICED THE PICTURE YOU
SENT US.

WHERE ARE YOU?

THAT'S REALLY INTERESTING
FLOWERS BEHIND YOU.

[Pop captions up]

Luisa: OH, THAT'S ACTUALLY
WHEN I WAS IN PITTSBURGH.
THAT'S IN A BOTANICAL GARDEN.

Leo: WOW, THOSE ARE WILD
FLOWERS.

Luisa: (laughing)

Leo: AREN'T THOSE COOL?

SO, IS THAT WHERE YOUR PARENTS
LIVE IS IN PENNSYLVANIA?

Luisa: NO, THEY'RE IN
NEW YORK.

Leo: NEW YORK.

Luisa: I'M ALL OVER THE
PLACE. (laughing)

Leo: THEY'RE ALL-- OKAY,
YEAH, AND NEW YORK'S GOING TO
HAVE CABLEVISION.

[Pop captions down]

Leo: ACTUALLY, THE
CABLEVISION BOX IS PRETTY GOOD.
SO, YOU KNOW, IT'S EVERY --
EVERY TOWN HAS A DIFFERENT
CABLE COMPANY.

Luisa: MM-HMM.

Leo: THE CABLEVISION BOX IS
ACTUALLY THE BEST OF ALL THE
CABLE COMPANY BOXES.
THEY EVEN HAVE HIGH-SPEED
INTERNET THAT'S QUITE GOOD AS
WELL.

SO, THAT'S A NICE -- THAT'S A
VERY NICE GIFT.

Luisa: ALL RIGHT, THANK YOU.

Leo: ALL RIGHT.

THANK YOU FOR CALLING, LUISA, I
APPRECIATE IT.

Luisa: THANK YOU.

Leo: YEAH, JUST GET THE
CABLE COMPANY'S BOX.

AS MUCH AS I'D LOVE TO-- YOU
KNOW, I LOVE TiVo SO MUCH, JUST
HAVING TO FIGURE OUT HOW TO
INTERFACE IT WITH THE CABLE BOX
IS NOT WORTH THE EFFORT.

[Pop captions up]

Leo: HEY, COMING UP, RAY
MAXWELL.

HE'S A GREAT PRO PHOTOGRAPHER.
HE'S DONE A LOT OF MODEL
PHOTOGRAPHY.

HE'S GOING TO SHOW YOU HOW YOU
CAN MAKE YOUR SUBJECTS LOOK
LIKE A MODEL WITH THE RIGHT
LIGHTING.

HOW TO USE A FLASH ON YOUR
DIGITAL CAMERA WHEN WE
CONTINUE.

YOU STAY RIGHT HERE.

(incidental music)

[BLACK/COMMERCIAL]

[Pop captions down]

Leo Laporte: WELCOME BACK
TO THE RA-- THE RAB -
"THE LAB."

Ray Maxwell: (laughing)

Leo: RAY MAXWELL -- HELLO,
RAY.

RAY MAXWELL IS A COMPUTER
GENIUS, Photoshop WIZARD, GREAT
PHOTOGRAPHER AND BEST OF ALL A
WONDERFUL TEACHER AND HE'S HERE
TO HELP US UNDERSTAND THE USE

OF FLASH --

Ray Maxwell: MM-HMM.

Leo: -- IN PHOTOGRAPHY.

THE BIG PROBLEM PEOPLE HAVE
WITH THE FLASH IS RED EYE,
RIGHT?

Ray Maxwell: THAT'S RIGHT.

Leo: THAT'S THE NUMBER ONE
PROBLEM.

Ray Maxwell: AND THAT MEANS
IT'S ONCAMERA FLASH.

Leo: RIGHT.

[Pop captions up]

Ray Maxwell: SO, WHAT I'M
GOING TO DO IS I'M GOING TO GO
THROUGH KIND OF DIFFERENT FLASH
SETUPS AND SHOW YOU WHAT THE
AFFECT IS ON THE COMPUTER HERE.

[Pop captions down]

Leo: MOST PEOPLE DON'T HAVE
MUCH FLEXIBILITY WITH THEIR
FLASH.

IT'S THE ONE BUILT INTO THE
CAMERA.

Ray Maxwell: EXACTLY.

IF YOU'RE BUILT-IN, THERE'S NO
WAY TO GET RID OF THIS.

Leo: RIGHT.

Ray Maxwell: BUT THIS IS
KIND OF FOR THE DSLR PEOPLE.

Leo: THE FANCIER CAMERAS --

Ray Maxwell: RIGHT.

Leo: -- THAT HAVE A SHOE

LIKE THE OLD FILM CAMERAS DID.

Ray Maxwell: RIGHT.

Leo: YEAH.

[Pop captions up]

Ray Maxwell: AND SO, WE'RE
GONNA KIND OF TRY AND TAKE ONE
STEP UP FROM YOUR ORDINARY
PHOTOGRAPHY AND ADD A LITTLE
FEATURE.

Leo: OKAY.

Ray Maxwell: SO, KATE HAS
GRACIOUSLY --

Leo: YOU'VE GOT A GOOD MODEL
THERE.

Ray Maxwell: -- VOLUNTEERED
TO BE MY MODEL.

[Pop captions down]

Ray Maxwell: AND I'M GOING
TO HOLD MY FLASH HERE AS THOUGH
IT WERE ONCAMERA.

HI THERE.

(camera shutter clicks)

Leo: SO, RIGHT NEXT TO THE
LENS BASICALLY.

Ray Maxwell: RIGHT.

AND NOW I'M GOING TO COME BACK
TO THE COMPUTER HERE AND BRING
THAT PICTURE UP ON THE COMPUTER
AND I WANT TO POINT OUT A FEW
THINGS.

FIRST OF ALL, NOTICE THAT
THERE'S THIS HARSH SHADOW NEXT
TO HER.

Leo: IT'S VERY FLAT, ISN'T
IT? YEAH.

Ray Maxwell: AND THE
LIGHTING IS VERY FLAT.

Leo: YEAH.

Ray Maxwell: AND LEAVES, YOU
KNOW, KIND OF NO MODELING OR
SHAPE TO HER FACE AND SO FORTH.

Leo: WE DID AVOID THE RED
EYE PITFALL, BUT.

Ray Maxwell: YES.
WELL, WE LUCKED OUT, OKAY.

Leo: WHAT IS RED EYE?

Ray Maxwell: RED EYE IS JUST
YOUR FLASH REFLECTING OFF OF
YOUR RETINA.

YOUR RETINA IS BLOOD RED.

Leo: THE BACK OF YOUR EYE.
OH, WOW.

Ray Maxwell: YES, THE BACK
OF YOUR EYE.

Leo: SO, WHEN THE FLASH IS
RIGHT NEXT TO THE LENS, THEY'RE
LOOKING IN THE LENS, IT'S KIND
OF LIKE THEY'RE LOOKING INTO
THE FLASH.

Ray Maxwell: THAT'S RIGHT.

Leo: AND THAT'LL GIVE YOU
THE RED EYE.

Ray Maxwell: THAT'S CORRECT.

Leo: OKAY.

Ray Maxwell: YES.

Leo: OKAY.

SO WITH A FLASH LIKE THIS, YOU
CAN AWAY FROM THE LENS AND
HAVE--

Ray Maxwell: OKAY, NOW, I'VE
GOT AN ACCESSORY HERE --

Leo: THAT'S KIND OF COOL.

Ray Maxwell: -- WHICH IS THE
Canon Off-Camera Shoe Cord 2.

Leo: YEAH.

Ray Maxwell: AND IT ALLOWS
ME TO TAKE THE FLASH OFF AND
STILL MAINTAIN ALL OF THE
THROUGH THE LENS METERING AND
EVERYTHING.

SO, NOW I'M GOING TO SHOW YOU
WHAT IT LOOKS LIKE.

Leo: NOW YOU LOOK KIND OF
GOOFY BECAUSE YOU'VE GOT LENS
IN ONE --

Ray Maxwell: YEAH.

Leo: THE CAMERA IN ONE HAND
AND THE FLASH.

Ray Maxwell: THE CAMERA'S A
LITTLE DELICATE, BUT I'M GONNA
BRING THIS UP LIKE THIS...

(camera shutter clicks)

Ray Maxwell: DO LIKE THAT.

Leo: SO, INSTEAD OF SHOOTING
HER STRAIGHT ON --

Ray Maxwell: RIGHT.

Leo: -- THE LIGHT SOURCE IS
FROM UP ABOVE AND TO THE RIGHT.

Ray Maxwell: EXACTLY.

SO, NOW NOTICE WHAT'S HAPPENED.

I'VE THROWN THAT --

Leo: MUCH NICER, ISN'T IT?

Ray Maxwell: -- SHADOW DOWN
AND I HAVE SOME MOTTLING, I
HAVE SOME SHADOW ACROSS HER
FACE.

Leo: SO, WHAT YOU'RE LOOKING
FOR IS INSTEAD OF FILLING IN
EVERYTHING WITH LIGHT, MAYBE
GETTING SOME CONTOURS, GETTING
SOME --

Ray Maxwell: YES.

Leo: -- LIGHT AND DARK.

Ray Maxwell: CONTOURS.

Leo: THIS LOOKS SO MUCH BE--
IT'S AMAZING HOW MUCH BETTER
THAT LOOKS.

Ray Maxwell: YEAH, AND ALL I
DID WAS TAKE THAT OFF.

Leo: YEAH, YEAH.

Ray Maxwell: SO, NOW MY NEXT
THING THAT I'M GOING TO DO IS
I'M GOING TO USE BOUNCE FLASH,
BUT HERE IN THE STUDIO--

Leo: OH, DON'T-- DON'T
BOUNCE IT OFF HER FOREHEAD.

Ray Maxwell: (laughing)

Kate: BOING, BOING.

Leo: (laughing)

Ray Maxwell: IN THE STUDIO
WE HAVE A BIG HIGH CEILING AND
A LIGHT THING.

Leo: HERE, THIS IS KIND OF A
BAD PLACE--

Ray Maxwell: SO NOW WE'RE
GOING TO HAVE SEAN --

Leo: AHH. NOW, WHAT IS THIS?

Ray Maxwell: -- PUT A
CEILING IN.

A LITTLE BIT MORE OVER.

Leo: SO, YOU'VE GOT A GOLD
REFLECTOR.

Ray Maxwell: RIGHT, NICE
WARM TONE.

Leo: IN THIS CASE YOU'RE
USING IT TO HIDE THE LIGHT --

Ray Maxwell: RIGHT.

Leo: -- NOT TO BOUNCE THE
LIGHT.

Ray Maxwell: WELL, NOW I'M
GOING TO BOUNCE IT OFF OF THE
REFLECTOR.

Leo: OFF THE REFLECTOR.

(camera shutter clicks)

Leo: SO, THIS COULD BE A
CEILING.

Ray Maxwell: THIS COULD BE
AN ORDINARY CEILING IN YOUR
HOME.

Leo: NOW, A LOT OF TIMES
THESE FLASHES, EVEN IF THEY'RE
ONCAMERA, THEY-- YOU CAN ANGLE
THEM SO THAT THEY CAN AIM UP,
RIGHT?

Ray Maxwell: THAT'S CORRECT.

Leo: IS THAT THE PURPOSE OF THAT, SO YOU CAN BOUNCE IT?

Ray Maxwell: EXACTLY.

Leo: OKAY.

Ray Maxwell: NOW, HAVE A LOOK AT THIS.

Leo: OH, NOW, SEE, THAT'S EVEN WARMER AND NICER.

Ray Maxwell: MUCH SOFTER.

Leo: YEAH.

Ray Maxwell: OKAY.

Leo: AND HAZEL EVEN LOOKS GOOD, TOO.

Ray Maxwell: YES, EVEN HAZEL LOOKS GOOD THERE.

Kate and Leo: (laughing)

Ray Maxwell: BUT VERY SOFT, EVEN LIGHTING --

Leo: MM-HMM.

Ray Maxwell: -- FROM ABOVE.

Leo: NOW, NORMALLY WHEN WE LIGHT IN THE STUDIO, WE LIGHT FROM THREE POINTS.

Ray Maxwell: YES.

Leo: WE DON'T JUST HAVE ONE SOURCE.

WE HAVE A KEY LIGHT, WE HAVE A HIGHLIGHT --

Ray Maxwell: RIGHT.

Leo: -- WE HAVE A SIDE LIGHT.

SO, YOU ONLY HAVE ONE LIGHT SOURCE ON HERE.

Ray Maxwell: I'M ONLY USING
ONE-- I'M USING VERY SIMPLE
LIGHTING --

Leo: YEAH.

Ray Maxwell: -- FOR THIS.
IN A LATER SEGMENT I MAY BRING
IN MY STUDIO LIGHTING AND WE'LL
EXPLORE.

Leo: THEN YOU CAN REALLY DO
A LOT MORE.

Ray Maxwell: YEAH.

Leo: SO, SHOULD YOU JUST
PLAY WITH THE LOCATION OF THE
LIGHT?

SHOULD YOU TRY DIFFERENT
THINGS?

Ray Maxwell: EXACTLY.
YOU HAVE TO EXPERIMENT.

Leo: YEAH.

Ray Maxwell: NOW, I'M GOING
TO TRY ONE MORE TRICK HERE.
SO, I'M GOING TO BRING SEAN IN.
AND DOWN JUST A LITTLE BIT,
SEAN, AND ABOUT THERE.
AND I'M GOING TO BOUNCE THE
LIGHT FROM THE SIDE.

YOU'LL NOTICE I'M AIMING THE
FLASH AT THE REFLECTOR?

(camera shutter clicks)

Leo: YEAH.

Ray Maxwell: OKAY, NOW--

Leo: INSTEAD OF BOUNCING IT
OFF THE CEILING, YOU'RE

BOUNCING IT OFF THE WALL IN
EFFECT.

Ray Maxwell: RIGHT.

Leo: OKAY.

Ray Maxwell: A WALL OR A
REFLECTOR LIKE THIS.

SO, NOW WE'LL GET--

Leo: OH, THAT'S A WHOLE
NOTHER LOOK, ISN'T IT?

Ray Maxwell: YEAH.

SEE THE SHADOW?

AGAIN --

Leo: YEAH.

Ray Maxwell: -- SOME
MOTTILING AND SO FORTH.

Leo: YEAH.

AND SHE DOES LOOK LIKE SHE'S
LIT A LITTLE BIT FROM THE SIDE
THERE.

Ray Maxwell: RIGHT.

RIGHT.

Leo: SO, THIS REFLECTOR IS
USEFUL IF YOU'RE IN DAYLIGHT
BECAUSE YOU CAN ALSO USE IT TO
BOUNCE THE SUN INTO IT.

Ray Maxwell: EXACTLY.

Leo: YEAH.

Ray Maxwell: YOU CAN FILL IN
SHADOWS IN THE SUNLIGHT.

Leo: YEAH.

Ray Maxwell: NOW, I'M GOING
TO SHOW ONE MORE GADGET AND
THIS IS CALLED A SOFTBOX.

I'M NOT GOING TO SHOOT WITH IT
TODAY, BUT --

Leo: OKAY.

Ray Maxwell: -- THIS, WHAT
IT DOES IS YOU PUT THE FLASH IN
THE BACK HERE.

Leo: IT DIFFUSES IT.

Ray Maxwell: AND IT DIFFUSES
IT --

Leo: YEAH.

Ray Maxwell: -- AND MAKES
THE FLASH APPEAR TO COME FROM A
WIDER AREA.

AND YOU--

Leo: SO, WHAT IS -- WHAT IS
THE END RESULT OF THAT?
IT'S NOT AS SHARP, AS HARSH, AS
CRISP?

Ray Maxwell: IT'S MUCH
SOFTER LIGHTING.

Leo: YEAH.

Ray Maxwell: VERY GENTLE.
THE LADIES LOVE IT.

Leo: (laughing)

Ray Maxwell: AND YOU CAN--
THIS IS A VERY SMALL SOFTBOX.

Leo: RIGHT.

Ray Maxwell: YOU CAN GO UP
TO LITERALLY 12 FEET ACROSS.

Leo: YOU KNOW WHAT I BOUGHT,
AND I KIND OF LIKE IT, I -- I
TAKE MY SPEEDLIGHT AND I POINT
IT STRAIGHT UP AND I BOUGHT A

THING CALLED A Light Dome FROM
GARY FONG.

Ray Maxwell: YES, MM-HMM.

Leo: AND IT'S THE SAME IDEA.
IT FITS RIGHT ON THE FLASH, IT
HAS A, KIND OF A DOME ON IT AND
IT DIFFUSES THE LIGHT FROM THE
FLASH.

Ray Maxwell: RIGHT.

Leo: IT GIVES AN INTERESTING
RESULT.

EVERYTHING IS SOFT.
IT'S LIT, BUT IT'S SOFTLY LIT.

[Pop captions up]

Ray Maxwell: ONE OTHER
LITTLE TRICK --

Leo: YEAH.

Ray Maxwell: -- IN MOST OF
THESE FLASHES --

Leo: THEY HAVE THESE
LITTLE DOOHICKEYS.

Ray Maxwell: THIS LITTLE
WHITE REFLECTOR.

Leo: WHAT IS THAT FOR?

Ray Maxwell: SO THAT WHEN
YOU BOUNCE THE FLASH OFF OF THE
CEILING --

Leo: YEAH?

Ray Maxwell: -- THIS PUTS A
CATCH LIGHT IN THE PERSON'S
EYE.

[Pop captions down]

Leo: OH, SO YOU GET A

LITTLE-- THAT'S ALMOST LIKE
GETTING A SECOND SOURCE, ISN'T
IT?

Ray Maxwell: RIGHT, EXACTLY.

Leo: OH.

SO, THEY GET A LITTLE TWINKLE
IN THEIR EYE THERE.

Ray Maxwell: YES, A LITTLE
TWINKLE.

Leo: DO YOU WANT TO TRY THAT
ON KATE?

Ray Maxwell: (laughing)

Leo: LET'S GET THE CEILING
UP, SEAN.

Ray Maxwell: WE'LL NEED THE
REFLECTION, YES.

Leo: SEE IF WE CAN GET
KATE'S EYES TO TWINKLE.
IT'S NOT GOING TO BE EASY
BECAUSE SHE'S-- (laughing)

Ray Maxwell: YEAH, A LITTLE
MORE ABOVE -- ABOVE HER.

Leo: SHE'S SO CUTE.

Ray Maxwell: OKAY, THERE WE
GO.

HERE WE GO.

(camera shutter clicks)

Leo: THIS IS WHAT YOUR
LIFE'S GOAL WAS.
YOU HAVE BEEN A VETERINARIAN,
BUT, NO, NOW YOU'RE A MODEL --

Kate: (laughing)

Leo: -- WITH A TWINKLE IN

HER EYE.

LET'S SEE IF WE GET THE --

Ray Maxwell: LET'S SEE IF WE
CAN GET THAT.

DO YOU SEE JUST A SLIGHT --

Leo: OH, YEAH.

Ray Maxwell: -- CATCH OF
LIGHT IN THE BLACK PART?

Leo: LOOK AT THAT, IN THE
EYE THERE'S A LITTLE BIT--

Ray Maxwell: YEAH.

Leo: BOY, THAT REALLY DID
IT.

Ray Maxwell: YEAH.

Leo: IT REALLY DID IT.

Ray Maxwell: JUST BRINGING
IN THAT LITTLE THING.

Leo: YOU WEREN'T MAKING IT
UP.

Ray Maxwell: NO. (laughing)

[Pop captions up]

Leo: RAY MAXWELL, YOU CAN
SEE HIS WEBSITE

maxwellmultimedia.com.

LOTS OF BEAUTIFUL PHOTOGRAPHY.

Ray Maxwell: YES.

Leo: A LOT OF NATURE STUFF.

A LOT OF STUFF FROM THE AIR.

YOU JUST DO SOME WONDERFUL WORK

AND IT'S REALLY GREAT TO HAVE

YOU COME IN AND-- THANK YOU,

KATE, FOR BEING A GREAT MODEL.

Kate: THANK YOU.

Ray Maxwell: YES, THANK YOU
FOR MODELING FOR US.

Leo: THANK YOU, SEAN, FOR
BEING A WONDERFUL CEILING.

Ray Maxwell: (laughing)

Leo: IF YOU WANT TO KNOW
MORE, GO TO OUR WEBSITE.
I WANT TO SAY labwithleo.com.
AM I RIGHT?

I BELIEVE I'M RIGHT.

Ray Maxwell: YES.

Leo: labwithleo.com.

[Pop captions down]

Leo: NOW! OUR OWN CEILING
TAKES CLOSE-UP PICTURES WITH
HIS MACRO LENS OF THINGS YOU'D
FIND AROUND THE LAB.

THIS IS ONE OF THEM.

HE'S SO MEAN.

HE GIVES US LITTLE HINTS.

THAT'S AN ON/OFF SWITCH AND

I... WHAT COULD THAT BE?

THINK ABOUT IT.

WE'LL TALK ABOUT IT WHEN

"THE LAB" CONTINUES.

STAY RIGHT HERE.

(incidental music)

[BLACK/COMMERCIAL]

[Pop captions down]

Leo Laporte: ALL RIGHT.

AHEM, I THINK THAT IS A WiFi
DETECTION DEVICE.

THAT'S WHAT I THINK THAT IS.

[Pop captions up]

Leo: WHAT IS IT?

NO, IT'S NOT.

IT'S NOT EVEN CLOSE.

IT'S THE Axis Wireless Network

Camera.

[Pop captions down]

Leo: STOP POINTING THAT
THING AT ME.

Sean: (indiscernible)

Leo: I WOULD NEVER HAVE
THOUGHT.

I WOULD NEVER HAVE THOUGHT.
SO THAT'S THE LITTLE LIGHTS UP
THERE.

I GOT IT.

DANG.

ONE OF THESE DAYS I'LL GET IT
RIGHT.

IT'S TOUGH, ISN'T IT?

DID YOU GET IT?

Kate: (laughing)

Leo: IT'S TOUGH.

Kate: I WAS NOWHERE NEAR,
I'LL BE HONEST.

Leo: NOT EVEN CLOSE.

NOT EVEN CLOSE.

ALL RIGHT, Ms. MODEL ABRAHAM,
WHAT HAVE YOU GOT FOR US?

Kate: OKAY, I HAVE RON FROM
DIEPPE IN NEW BRUNSWICK.

Leo: YOU KNOW, YOU HAVE A
TWINKLE IN YOUR EYE.

I JUST WANTED YOU TO KNOW THAT.

Kate: THANK YOU.

IT'S BLINDNESS.

Both: (laughing)

Leo: UH, THE LIGHTS, THE
LIGHTS!

[Pop captions up]

Leo: HI, RON, HOW ARE YOU
TODAY?

Ron: GOOD.

AND HOW ARE YOU, LEO?

Leo: WONDERFUL.

WELCOME TO "THE LAB."

Ron: THANK YOU. THANK YOU.

Leo: WHAT CAN I DO FOR YOU?

Ron: WELL, I RECENTLY
PURCHASED A BRAND NEW 24-INCH
iMac --

Leo: MM-HMM.

Ron: -- AND I INSTALLED
iWorks TO GO WITH IT.

Leo: YES.

Ron: I QUITE OFTEN WORK IN
Pages AND I ALSO WORK WITH
Microsoft Office 2007.

Leo: MM-HMM.

Ron: I OFTEN UTILIZE TWO
LANGUAGES --

Leo: OKAY.

Ron: -- AND IN Windows I
COULD EASILY SWITCH ON THE
KEYBOARD, LIKE, BECAUSE I KNOW
HOW TO TYPE IN FRENCH

OBVIOUSLY --

Leo: RIGHT.

Ron: -- FROM ENGLISH TO
FRENCH AND FRENCH TO ENGLISH.

Leo: RIGHT.

Ron: AND WITH THE iMac I
HAVE NO CLUE WHATSOEVER ON HOW
TO CHANGE THAT --

Leo: (laughing)

Ron: -- OR IF IT'S EVEN
POSSIBLE ON THE iMac.

[Pop captions down]

Leo: IT IS POSSIBLE.
IN FACT, I WOULD SAY THE Mac IS
EVEN BETTER SUITED TO
INTERNATIONAL LANGUAGES THAN
Windows.
IT COMES WITH ALL THE CHARACTER
SETS AUTOMATICALLY BUILT IN.

[Pop captions up]

Leo: IT SUPPORTS LEFT-RIGHT,
AS WELL AS RIGHT-LEFT, WHICH IS
REALLY USEFUL FOR HEBREW,
CHINESE, LANGUAGES THAT
WRITE -- THAT GO FROM RIGHT TO
LEFT.

[Pop captions down]

Leo: SO, Apple HAS DESIGNED
THIS REALLY FROM THE GROUND UP
TO BE INTERNATIONAL-IZABLE.
SO, LET ME SHOW YOU HOW TO
CHANGE THE LANGUAGE ON THE FLY.
SO, YOU'VE GOT TO GO THE

System Preferences.

THAT'S RIGHT UNDER THE Apple.

AND YOU'LL SEE ONE OF THE

System Preference PANES -

Ron: OKAY.

Leo: - IT'S LIKE A Control

Panel IN Windows - IS CALLED

International.

AND International SHOWS YOU ALL

OF THE INSTALLED TYPEFACES,

LANGUAGE SETS.

SO, THERE'S ENGLISH.

THERE'S FRANCAIS, DUTCH,

DEUTCH, ESPANOL, ITALIANO,

PORTUGUES, SVENSK, NORSK, IT

GOES ON AND ON.

IN FACT, NOT ONLY JUST ROMANCE

LANGUAGES, BUT YOU'VE GOT

CHINESE, JAPANESE.

THAT LOOKS LIKE THAI.

SO, THERE'S A BROAD VARIETY.

SO, THOSE ARE THE LANGUAGES.

NOW, WHAT WE REALLY WANT TO DO

IS GO TO THE INPUT MENU BECAUSE

THAT'LL MAKE IT EASY TO SWITCH.

YOU PICK THE LANGUAGES THAT YOU

WANT TO HAVE AVAILABLE.

SO, THERE'S THE KOREAN HANGUL

WE SAW BEFORE.

YOU CAN TURN THAT ON.

ALL THE CHINESE, JAPANESE,

TAMIL, VIETNAMESE, AFGHAN,

ARABIC.

SO, IN OUR CASE WE'LL PICK
CANADIAN ENGLISH AND PROBABLY
PICK CANADIAN FRENCH AS WELL.

Ron: YES.

Leo: AND THEN WE'RE GOING TO
SAY THIS BOX DOWN HERE - AND
THIS IS -- THIS IS THE ONE THAT
MAKES IT EASY FOR YOU, IN
FUTURE - "Show input menu in
menu bar".

IT'S RIGHT AT THE BOTTOM.

Ron: OKAY, I SEE IT.

Leo: YEAH, WHEN WE CLOSE
THIS NOW, YOU'LL SEE THAT YOUR
MENU BAR NOW UP HERE HAS THE
CANADIAN FLAG.

THAT'S BECAUSE WE'RE CURRENTLY
IN CANADIAN ENGLISH.

BUT CLICK ON IT AND YOU CAN
CHANGE TO CANADIAN FRENCH OR
ANY OTHER LANGUAGE.

Ron: OH, OKAY.

Leo: IT STILL HAS THE
CANADIAN FLAG, BUT IT'S GOING
TO SAY CSA SO THAT WE KNOW THAT
IT'S CANADIAN FRENCH.

Ron: OKAY.

Leo: SO, THAT'LL CHANGE THE
KEYBOARD, THE KEYS, THE WAY THE
KEYSTROKES WORK.
IT WON'T TRANSLATE ENGLISH INTO
FRENCH.

Ron: NO-NO-NO.

Leo: I WISH IT WOULD.

(laughing)

Ron: SO WOULD I SOMETIMES,
BUT.

Leo: BUT YOU'LL DO THAT.

Ron: YES.

Leo: BUT IT DOES GIVE YOU
WHAT YOU WANT, WHICH IS THE
FRENCH KEYBOARD.
IT DOESN'T CHANGE THINGS LIKE
THE MENUS IN Pages OR THE MENUS
ON THE Mac INTO FRENCH.
THOSE REMAIN IN ENGLISH.
IT JUST CHANGES THE INPUT
METHODS, THAT'S ALL.

Ron: OKAY, GOOD.

Leo: YEAH.

Ron: GOOD.

I HAVE ANOTHER SMALL
QUESTION --

Leo: SURE.

Ron: -- IF I'M ABLE TO ASK
YOU ONE.

Leo: SURE.

Ron: IN -- IN Pages WHEN I
SWITCH TO FRENCH, WILL IT BE
ABLE TO RECOGNIZE FRENCH WORDS
AS FAR AS THE DICTIONARY?

Leo: OH, THAT'S A REALLY
GOOD QUESTION.
I THINK YOU WOULD HAVE TO
CHANGE TO THE FRENCH
DICTIONARY.

ALL YOU'RE CHANGING WITH THAT
IS THE INPUT METHODS.
YOU KNOW, HOW TO DO ACCENT AGUE
ON AN E OR SOMETHING LIKE THAT.

Ron: YES.

Leo: I DON'T THINK...

I KNOW IT WON'T TELL Pages TO
CHANGE THE DICTIONARY AND I AM
NOT SURE EXACTLY HOW YOU WOULD
DO THAT.

Pages, LIKE ALL Mac WORD
PROCESSORS, DOES SUPPORT MANY,
MANY LANGUAGES.

I MEAN, THAT'S -- THAT'S
REALLY, YOU KNOW, KIND OF BY
DEFINITION WHAT YOU WANT TO DO,
BUT, YOU KNOW, I DON'T KNOW.

THAT'S A -- THAT'S A QUESTION I
DON'T KNOW THE ANSWER TO.

LET ME SEE IF I CAN LOOK AT --
LOOK AT SOME SOURCES TO SEE IF
I CAN FIND THAT FOR YOU.

HAVE YOU BEEN ABLE TO FIND
WITHIN Pages A COMMAND TO USE A
FRENCH DICTIONARY?

Ron: NO.

Leo: I THINK WHEN YOU INS--

HMM, THAT'S A GOOD QUESTION.

I WOULD RUN THE Pages THE iWork
INSTALL-- WELL, THERE ISN'T
REALLY AN INSTALLER, IS THERE?

YOU JUST COPY IT OVER.

THAT'S A GOOD QUESTION.

I THINK THAT THE DICTIONARY
THAT IT'S USING IS THE
Macintosh DICTIONARY IN
GENERAL.

YOU KNOW, THERE'S A VERY
COMPLETE DICTIONARY ON THE
Macintosh.

SO, I THINK PROBABLY...

YOU KNOW, IT MIGHT CHA-- IT'S
INTERESTING, THAT MIGHT
CHANGE...

Ron: HERE'S AN IDEA.

Leo: THAT'S A VERY GOOD
QUESTION.

I DON'T KNOW.

I'M WONDERING IF THE INPUT MENU
WOULD CHANGE WHAT DICTIONARY IT
USES.

THE Macintosh DOES HAVE A
FRENCH DICTIONARY BUILT INTO
IT.

Ron: OKAY.

WHAT WOULD HAPPEN IF I WOULD
REBOOT AND--

Leo: YOU SHOULDN'T HAVE TO
REBOOT.

IT SHOULD DO IT ON THE FLY.

Ron: OH, IT SHOULD DO IT ON
THE FLY.

Leo: YEAH, YEAH.

YEAH, I DON'T THINK YOU HAVE TO
REBOOT.

YOU KNOW, I DON'T-- I-- WE'RE

GOING TO HAVE TO LOOK AT THE
DICTIONARY APPLICATION AND SEE.
THAT'S A-- YOU'VE STUMPED ME ON
THAT ONE.

Ron: (laughing)

Leo: I DON'T KNOW.

Ron: I DIDN'T MEAN TO.

Leo: NO, I'M GLAD YOU DID.

THAT'S GREAT, I LOVE-- THE WAY
I LEARN IS -- IS, YOU KNOW, BY
PLAYING WITH THIS STUFF AND BY
GETTING QUESTIONS I CAN'T
ANSWER AND I'M GOING TO HAVE TO
FIND OUT FOR YOU.

SO, WE'LL PUT IT IN THE SHOW
NOTES IF WE FIND OUT AND WE'LL
TRY TO FIND OUT BEFORE THE END
OF THE SHOW SO WE CAN TELL YOU
TODAY, OKAY, RON?

Ron: YEAH, GREAT.

THANK YOU VERY MUCH, LEO.

Leo: HEY, THANK YOU VERY
MUCH.

THAT'S A GREAT QUESTION.

LET'S-- WE'LL DO SOME RESEARCH
ON THAT.

NOW I'M GOING TO TAKE A WALK
OVER HERE TO RYAN YEWELL.

HE IS OUR FREE FILE GUY.

YEWELL'S JEWELS.

Ryan: YEAH, WE GOT A NEW
LOCATION.

Leo: WHAT?

Ryan: NEW LOCATION.

Leo: I LIKE IT OVER HERE.

Ryan: YEAH.

Leo: YOU KNOW WHY?

Ryan: I GET TO SIT DOWN.

Leo: YEAH.

Ryan: YOU GET TO SIT DOWN.

Leo: YEAH.

HOW DO YOU LIKE MY SHOES?

Ryan: THEY'RE -- THEY'RE
COOL.

Leo: "EL FUEGO."

Ryan: THEY'RE ON FIRE.

Leo: YES.

SO, GIVE ME A FREE FILE, WOULD
YOU?

[Pop captions up]

Ryan Yewell: TODAY WE'RE
ROCKIN' Windows AND Linux.

Leo: OKAY.

Ryan: AND WE HAVE TO GO BACK
A WAYS.

REMEMBER A TIME WHEN YOUR MOM
OR DAD WAS SITTING THERE AND
YOU HAD TO LEARN SOMETHIN' LIKE
LET'S SAY YOUR TIMES TABLES --

Leo: YES.

Ryan: -- YOUR ADDITION
TABLES --

Leo: YES.

Ryan: -- AND THEY HAD THESE
LITTLE CARDS.

[Pop captions down]

Leo: I WAS TERRIBLE AT THAT.

Ryan: NOW, MAYBE WE'RE
BRINGING BACK BAD MEMORIES,
BUT --

Leo: MY DAD MADE ME FLASH
CARDS.

Ryan: YES, BUT NOW IT'S WITH
TECHNOLOGY.
AND AS LEARNED WITH PUZZLES,
WHEN THINGS ARE WITH
TECHNOLOGY, THEY'RE BETTER.

Leo: OKAY.

Ryan: SO, IT'S CALLED
jMemorize.
YOU NEED JavaScript FIR-- OR
YOU NEED Java INSTALLED.

Leo: Java.

Ryan: Java.

Leo: OKAY, YEAH.

Ryan: AND THEN NOW WHAT
YOU'RE DOING IS YOU ACTUALLY
ADD CATEGORIES.

Leo: OKAY.

Ryan: SO, I'VE CREATED
CATEGORIES AHEAD OF TIME.

Leo: SO, YOU'RE DOING THIS
ON THE SCREEN NOW, OKAY.

Ryan: ON THE SCREEN RIGHT
NOW.

[Pop captions up]

Ryan: I'VE ADDED MY
CATEGORIES ALREADY AND THEN--

Leo: SO, IT'S A FLASH CARD

DESIGNER?

Ryan: IT BASICALLY CREATES
FLASH CARDS THAT YOU CAN TRAIN
YOURSELF TO LEARN THINGS.

Leo: WOW.

Ryan: SO, YOU ADD CATEGORIES
AND YOU EDIT CARDS.

[Pop captions down]

Ryan: SO, I'M GOING TO JUST
START A LESSON OTHER AND I AM
GOING TO GO LEARN AND I HAVE
CHOSEN TO LEARN THINGS --
PEOPLE ON "THE LAB."

SO, WHAT I'VE DONE IS I PUT
THEIR FIRST NAME --

Leo: MAYBE WE SHOULD LEARN
THIS.

Ryan: -- YOU KNOW --

Leo: YES.

Ryan: -- AND NOW, SO HERE IT
SAYS RIGHT HERE MATT.
THAT'S THE FRONT SIDE OF THE
CARD.

I'VE PUT THIS IN AHEAD OF TIME.

I'VE TOLD IT WHAT I WANT.

Leo: YEAH.

Ryan: SO, NOW I'M GOING TO
SAY SHOW ANSWER AND THE ANSWER
IS HARRIS.

Leo: SO YOU'RE GOING TO
LEARN THEIR LAST NAMES.

Ryan: SO, I CAN TELL IT, AND
IT SAYS -- NOW IT SAYS, "DID

YOU KNOW THE CORRECT ANSWER?"

IF I SAY "Yes", IT KNOWS I'VE
LEARNT THAT CARD AND IT CAN
TRACK WHAT I'VE LEARNT, WHAT I
HAVEN'T LEARNT.

Leo: SO, IT DOESN'T ACTUALLY
HAVE TO MAKE CARDS.
IT JUST DOES IT IN THE WINDOW
THERE.

Ryan: THERE YOU GO.
SO, YOU ACTUALLY PUT THE
INFORMATION IN THAT YOU WANT TO
LEARN AND THEN YOU CAN TELL IT
WHETHER YOU'VE LEARNT IT AFTER
IT SHOWS YOU THE CARDS.

Leo: VERY GOOD.

Ryan: SO, AND THEN IT'LL
TRACK THINGS.
SO, BASICALLY IF YOU HAVEN'T
LEARNT SOMETHING, IT GETS RID
OF ALL THE CARDS YOU'VE ALREADY
LEARNED AND JUST SHOWS YOU THE
ONES YOU HAVEN'T.
SO, IT HELPS YOU LEARN BY
MEMORIZATION.

Leo: AND WHAT'S THAT CALLED?

Ryan: IT'S CALLED jMemorize.

Leo: jMemorize.

IT'S --

Ryan: IT'S A YEWELL'S JEWEL.

Leo: -- FREE?

Ryan: IT'S ABS-- WELL, IT
WOULDN'T BE A YEWELL'S JEWEL IF

IT WASN'T FREE, SO.

Leo: THEY'RE ALL FREE.

Ryan: THEY'RE ALL FREE.

[Pop captions up]

Leo: AND WHERE WOULD WE FIND
THOSE?

Ryan: labwithleo.com.

Leo: EVERY-- IT'S THE SAME
PLACE EVERY TIME.

Ryan: IT'S A FREE SITE TOO.

Leo: I DON'T KNOW WHY I EVEN
ASK YOU.

IT'S A FREE SITE, JUST GO THERE
AND EVERYTHING YOU WOULD WANT--

[Pop captions down]

Ryan: WHY DO YOU KEEP ASKING
ME THAT?

Leo: I DON'T KNOW WHY.
I GUESS I DON'T LEARN.

Ryan: YOU JUST KEEP
FORGETTING.

Leo: I DON'T LEARN.
MAYBE I SHOULD HAVE A FLASH
CARD.

Ryan: MAYBE YOU NEED
jMemorize.

Leo: I THINK THAT'S PROBABLY
IT.

Ryan: WE'LL PUT THAT ON
THERE.

Leo: COULD PUT THAT ON
THERE?

Ryan: I WILL.

Leo: THAT'LL BE GREAT.

Ryan: OKAY.

[Pop captions up]

Leo: I KNOW THERE'S
SOMETHING ELSE COMING UP NEXT.

Ryan: UM, MORE CALLERS?

QUIZ?

Leo: SOUNDS RIGHT.

Ryan: what the tech?

WE DID THAT ALREADY.

Leo: I THINK IT'S THE QUIZ.

Ryan: OH.

Leo: LET'S TRY IT RIGHT NOW.

IS THE QUIZ NEXT?

Ryan: AH, THERE WE GO.

Leo: (laughing)

WHAT CHEMICAL WAS USED FOR THE
FILAMENT?

THE FILAMENT, IS THAT CORRECT?

Sean: THE FLASH FILAMENT.

Leo: FLASH FILAMENT.

OH, IN THE EARLY DAYS OF
PHOTOGRAPHY.

SO, WHEN YOU'RE IN A FLASH,
LIKE WE WERE DOING EARLIER,
WHAT DO THEY USE AS A CHEMICAL
IN THE FLASH?

WAS IT MAGNESIUM, SILVER,
PHOSPHOROUS OR OXYGEN?

HMM, THINK ABOUT "THAT."

WE'LL TALK ABOUT IT A LITTLE
LATER ON WHEN "THE LAB"
CONTINUES.

YOU STAY RIGHT HERE.

(incidental music)

[BLACK/COMMERCIAL]

[Pop captions down]

(Theme music playing)

Kate Abraham:

HEY, WELCOME BACK TO

"THE LAB WITH LEO."

I'M KATE ABRAHAM, AND I'VE GOT
A GREAT TIP FOR EVERYBODY OUT
THERE WHO'S TRYING TO BE MORE
ECO FRIENDLY.

NOT ONLY FROM A GARDENING POINT
OF VIEW OR A HOUSEHOLD POINT OF
VIEW OR A FASHION POINT OF
VIEW, THIS WEBSITE HAS
EVERYTHING.

IT'S CALLED idealbite.com.

[Pop captions up]

Kate: IT'S A GREAT LITTLE

WEBSITE THAT GIVES YOU DAILY
TIPS OF HOW TO LIVE A MORE
ECO-FRIENDLY LIFESTYLE.

AND THE COOL THING IS YOU CAN
SIGN UP FOR A DAILY TIP TO BE
SENT STRAIGHT TO YOUR INBOX.

[Pop captions down]

Kate: NOW, DID YOU KNOW,
LEO, THAT IF YOU MOW YOUR
LAWN --

Leo: YEAH.

Kate: -- AND YOU DON'T
COLLECT THE CLIPPINGS --

Leo: AND YOU DON'T COLLECT THEM?

Kate: THAT'S ACTUALLY ECO FRIENDLY BECAUSE --

Leo: IT'S MULCHING.

Kate: -- THAT'S A NATURAL FERTILIZER.

Leo: YES.

Kate: THERE YOU GO.

Leo: AND I HAVE A MULCHING MOWER THAT CHOPS THEM UP VERY FINE --

Kate: A MULCHER.

Leo: -- AND YOU LEAVE IT THERE AND IT GETS ABSORBED BACK IN.

Kate: EXACTLY, AND THAT'S AN ECO-FRIENDLY TIP.

Leo: IT SAVES PHOSPHOROUS.

Kate: EXACTLY.

Leo: YES.

Kate: AND ALSO IT SAVES FROM PUTTING THE CLIPPINGS INTO A BAG AND THEN PUTTING THOSE BAGS INTO A LANDFILL SITE.

Leo: AND THAT'S A LOT OF WORK, SO WHY DO THAT?

Kate: EXACTLY.

SO, THAT'S idealbite.com.

Leo: FASCINATING.

Kate: FASCINATING.

Both: (laughing)

Leo: DO YOU HAVE ANOTHER

CALLER ON HERE FOR US?

Kate: I DO INDEED.

I HAVE PETER AND HE IS IN
VANCOUVER, BRITISH COLUMBIA.

Leo: ALL RIGHT.

BEFORE I TALK TO YOU, PETER, I
WANT TO ANSWER DON'S QUESTION.

Kate: OKAY.

Leo: REMEMBER I SAID THAT I
WOULD FIND OUT AND, YES, I
HAVE.

OH, I SHOULD HAVE KNOWN THIS.
IN ANY MA-- IT IS A
DICTIONARY-WIDE OPERATING
SYSTEM.

OS X HAS ALL DICTIONARIES, SO
IN ANY APPLICATION THAT
SUPPORTS SPELLING.

SO, I'M GOING TO USE IN THIS
CASE Bean, WHICH IS A FREE AND
I THINK A VERY NICE SIMPLE WORD
PROCESSOR FOR THE Mac.

AND IF YOU GO TO THE Edit MENU,
AND THIS IS TRUE IN Pages AS
WELL, AND YOU GO TO THE
SPELLING MENU AND YOU SAY Show
spelling and Grammar, HERE'S
HOW YOU CHANGE THE DICTIONARY.
YOU SEE WE START WITH ENGLISH,
BUT WE HAVE ALL OF THESE.
WE COULD HAVE FRENCH AS WELL.
BUT, NOW, THIS IS THE GREAT
TIP...

[Pop captions up]

Leo: IF YOU SET IT TO MULTILINGUAL, IT WILL CHECK ALL OF THESE LANGUAGES AT THE SAME TIME.

SO, THIS IS A WAY TO HAVE ALL THE DICTIONARIES ACTIVE AT THE SAME TIME.

NOW, YOU COULD REMOVE DICTIONARIES THAT YOU DON'T WANT IT TO CHECK, I GUESS, BUT WHY NOT LEAVE THEM ALL IN THERE.

SO, IF IT'S MISSPELLED IN ANY LANGUAGE, IT'LL COME UP AND YOU'LL KNOW.

YOU CAN ALSO TURN ON THE GRAMMAR CHECKER THERE.

THAT'S SOMETHING NEW IN

Leopard.

SO, VERY SIMPLE.

I DON'T KNOW WHY, DO-- I DIDN'T KNOW THIS, RON, AND I APOLOGIZE FOR NOT KNOWING RIGHT OFF THE TOP OF MY HEAD.

I JUST DON'T-- YOU KNOW, I NEVER-- I STAY IN ONE LANGUAGE ALL THE TIME.

[Pop captions down]

Leo: SO, IT'S IN THE SPELLING MENU.

YOU GO TO HIDE-- GO TO OPEN THE SPELLING AND GRAMMAR, Show

Spelling and Grammar AND THEN
YOU CAN CHOOSE THE DICTIONARY
VERY SIMPLY FROM THERE OR
SELECT MULTILINGUAL IF YOU WANT
TO CHECK FOR ALL OF THEM.
SO, THERE YOU GO.

GOT THAT ONE NOW OUT OF THE
WAY.

WE CAN MOVE ONTO PETER.

[Pop captions up]

Leo: HELLO, PETER.

THANKS FOR HANGING ON.

Peter: HI, LEO.

NO WORRIES AT ALL.

Leo: WELCOME.

Peter: YEAH, I HAD A

QUESTION.

I'VE BEEN READING A LITTLE BIT
ABOUT A NEW -- SOMETHING THAT'S
COMING OUT OF AMD CALLED
Spider.

Leo: YES.

Peter: AND I BELIEVE-- I'VE
BEEN SHOPPING AROUND FOR A NEW
COMPUTER AND I'M JUST SORT OF
WONDERING IF IT'S SOMETHING
THAT'S WORTH WAITING FOR, WHAT
KIND OF TIMELINE AND EXACTLY
WHAT IT IS.

[Pop captions down]

Leo: GREAT QUESTION, SO LET
ME START BACKWARDS AND TELL YOU
WHAT IT IS BEFORE I TELL YOU

WHETHER YOU SHOULD WAIT FOR IT.
SO, AMD, YOU MAY REMEMBER,
ACQUIRED ATI, WHICH IS THE
GRAPHICS COMPANY, THE CANADIAN
GRAPHICS COMPANY JUST LA--
ABOUT A -- ABOUT A YEAR AGO,
ABOUT LAST YEAR SOMETIME.
THAT GAVE THEM BOTH
MICROPROCESSORS, WHICH THEY
ALREADY HAD, AND GRAPHICS
PROCESSORS.

[Pop captions up]

Leo: SO, THEY DECIDED WE
SHOULD MAKE AN ALL-IN-ONE
PLATFORM BASED ON THAT WHERE IT
IN-- YOU KNOW, KIND OF Intel
DOES THIS THEMSELVES, THE
Centrino AND SOME OF THE OTHER,
ViiV, Intel BRAND NAMES.
Intel'S HAD THIS CAPABILITY.
NOW AMD CAN DO IT.
SO, WHAT IS A Spider?

[Pop captions down]

Leo: WELL, A Spider INCLUDES
THE NEW Intel Phenom Chip.
AND THE Phenom Chip IS A
QUAD-CORE, SO.
AND IT'S A TRUE QUAD-CORE,
WHICH MEANS -- MEANS THAT
INSTEAD OF, AS Intel HAS DONE
ITS ONE CHIP WITH TWO CORES IN
IT, IT'S ACTUALLY KIND OF
QUAD-CORE IS IN THE CHIP, WHICH

IN THEORY WOULD MAKE IT FASTER.

IT ALSO INCLUDES Intel-- OR
AMD'S NEW CHIPSET, THE SEVEN
CHIPSET, AND A GRAPHICS
PROCESSOR.

ACTUALLY, A DUAL GRAPHICS
PROCESSOR FROM ATI.

SO, IT'S KIND OF AN ALL-IN-ONE,
AND USUALLY THAT MEANS A
MOTHERBOARD EITHER WITH
BUILT-IN GRAPHICS OR A GRAPHICS
CARD, IN MOST CASES IT'S DUAL
GRAPHICS CARDS, AND THE Phenom
CHIPSET.

NOT AVAILABLE AT LEAST AS WE'RE
TAPING THIS.

IT'S SUPPOSED TO BE AVAILABLE
ANY MINUTE NOW, BUT I DON'T
KNOW OF ANYBODY WHO'S SELLING A
Spider.

I HAVEN'T SEEN BENCHMARKS FOR
Spider YET.

I CAN TELL YOU A FEW THINGS
THAT WE DO KNOW.

FOR ONE THING, THE ORIG-- THE
EARLY Phenom Chips THAT THEY'RE
GOING TO PUT IN THESE ARE A
SLOWER CLOCK SPEED.

SOMETHING LIKE 2.2, 2.4, SO
THEY'RE NOT SUPERFAST CHIPS.

AMD IS A LITTLE BEHIND THE
CURVE ON CHIP DESIGN.

THE Core 2s HAVE BEEN FASTER

THAN THE COMPARABLE AMD CHIPS.
BENCHMARKS I'VE SEEN ON THE
Phenom SAY IT'S FASTER, BUT NOT
SIGNIFICANTLY SO.

THE Spider FROM THE EARLIEST
BENCHMARKS, AND THESE ARE KIND
OF PRERELEASED BENCHMARKS, SO
I'M NOT SURE I TRUST THEM
FULLY, BUT FROM THE EARLIEST
BENCHMARKS LOOKS SLIGHTLY
FASTER AT GAMING, BUT NOT MUCH
FASTER AT DAY-TO-DAY
PRODUCTIVITY.

SO, I-- AND THE OTHER PROBLEM
IS THAT IT WON'T BE FIRST TO
YOUR MANUFACTURERS THAT WILL
SELL Spider SYSTEMS.

IT'S PEOPLE LIKE iBUYPOWER,
SECOND AND THIRD TIER
MANUFACTURERS.

AMD WASN'T ABLE TO MAKE A DEAL
WITH THE BIG BOYS LIKE HP,
DELL, SO YOU'RE NOT GOING TO
SEE THESE BIG NAMES.

THEY'RE GAMING MACHINES, THAT'S
THE IDEA BEHIND IT.

IN PRINCIPLE THEY SHOULD BE
PRETTY GOOD.

I MEAN, I LIKE AMD CHIPS.

WILL THEY BE, YOU KNOW, MUCH
BETTER THAN, SAY, AN Intel

NVIDIA PAIR?

PROBABLY NOT.

IN FACT, I THINK NVIDIA IS KIND
OF -- JUST AS Intel HAS THE
LEAD OVER AMD, NVIDIA HAS THE
LEAD OVER ATI RIGHT NOW.
SO, IF YOU WANTED THE BEST
GAMING PERFORMANCE, I THINK
YOU'D PROBABLY BE BETTER
GETTING AN Intel --

Peter: YEAH.

Leo: -- MAYBE A Core 2
Extreme AND A HIGH-END NVIDIA
CARD.

Peter: AND JUST TO CLARIFY
ONE OF THE POINTS.
YOU WERE SAYING THAT THE
GRAPHICS -- THE GRAPHICS CAN BE
BUILT ONTO THE MOTHERBOARD.
DOES THAT MEAN IT'S GOING TO BE
A BUILT-IN GRAPHICS CARDS OR
SOMETHING THAT'S REPLACEABLE?
LIKE, RIGHT NOW GRAPHICS CARDS
ARE SEPARATE FROM THE
MOTHERBOARD ON MULTIPLAYERS.

Leo: YEAH, I THINK FOR THE
ONE -- THE GRAPHICS THAT
THEY'RE GOING TO USE, THESE
WILL BE SEPARATE DUAL -- IT'LL
BE SLIs, SO THEY'LL BE DUAL
CARDS.

IT'S JUST LIKE IT'S MORE A
MARKETING TERM LIKE ViiV WAS
WHERE YOU GET THREE DIFFERENT
AMD TECHNOLOGIES IN A COMPUTER.

Peter: YEAH.

Leo: SO, I DON'T THINK

THEY'LL BE BUILT IN.

I MEAN, AGAIN, WE HAVEN'T SEEN

THEM YET, SO I'M NOT SURE.

NOW, WE'RE TAPING THIS IN EARLY

DECEMBER.

IT'S NOT GONNA-- BY THE TIME

THIS SHOW AIRS, Spider SYSTEMS

SHOULD BE OUT.

I'M HOPING THEY'LL BE OUT SOON.

THEY WERE SUPPOSED TO BE OUT BY

NOW.

HAVE YOU SEEN ANY Spiders?

DID WE GET ANY?

Sean: YOU KNOW, I HAVEN'T

SEEN THEM, BUT I HAVE HEARD THE

REPORTS ON THAT AND EVEN AMD,

WHEN THEY WERE PUSHING THIS OUT

THE DOOR, WAS VERY CAGEY ABOUT

WHAT THEY WERE SAYING ABOUT.

THEY WEREN'T SAYING THAT THIS

IS THE BEST OF THE BEST.

THEY WERE SAYING THIS IS A MORE

AFFORDABLE SOLUTION.

Leo: IT'S A PLATFORM.

Sean: IT'S A PLATFORM AND

IT'S DESIGNED TO GIVE GOOD

PERFORMANCE WITHOUT COSTING AS

MUCH AS THE COMPARATIVE THING

FROM Intel AND NVIDIA.

Leo: RIGHT.

SO --

Sean: IT'S MEANT TO BE A
LITTLE BIT MORE BUDGET
CONSCIOUS.

Leo: -- IT WOULDN'T BE THE
TOP OF THE LINE THEN.

Sean: NO, NOT YET.

Leo: AND THAT'S WHY YOU'RE
BUYING IT FROM THIRD TIER
COMPANIES AND SO FORTH.
IT ALSO APPARENTLY IS VERY
OVERCLOCKABLE.

THAT'S KIND OF INTERESTING,
THESE Phenoms HAVE SOME -- HAVE
SOME SPEED IN THEM.

AND IT'S THE ATI Radeon 3800
DISCRETE GRAPHICS PROCESSOR
THEY'RE GOING TO USE IN THE AMD
SEVEN SERIES CHIPSETS.

AND I HAVE AN ARTICLE
HERE - WE'LL PUT THIS IN THE
SHOW NOTES ON-- WOOPS. WHOA.
OHH!

WHERE'D THAT GO? (laughing)
SOMETHING DISAPPEARED ON ME.
ON-- HERE IT IS.
ON OVERCLOCKING THE AMD Spider.
SORRY ABOUT THAT AND HOW EASY
IT IS TO DO.

SO-- BUT THIS IS FROM THE
PLATFORM DEMO, SO I'M GOING TO
WAIT UNTIL WE ACTUALLY SEE ONE
OF THESE BEFORE I SAY ANYTHING
ABOUT IT.

Peter: SO, IF I'M HOLDING
OFF, IT MAY OR MAY NOT BE
WORTHWHILE, SO MAYBE LOOK AT
THE -- KEEP LOOKING AT THE
Intel CHIP.

Leo: WELL, ARE YOU LOOKING
FOR TOP PERFORMANCE OR TOP
VALUE?

[Pop captions up]

Peter: WELL, YOU KNOW, LIKE
MOST PEOPLE OUT THERE, WHEN
YOU'RE LOOKING AT COMPUTERS,
YOU KNOW, YOU FEEL LIKE NUMBER
ONE --ON A SCALE OF 1 TO 10,
NUMBER ONE IT WOULD BE YOUR
BOTTOM, YOU KNOW, YOUR 400
DOLLAR SETS, YOU'RE GOING TO
GET AT ONE OF YOUR LOCAL
STORES --

Leo: YEAH.

Peter: -- AND 10 BEING, YOU
KNOW, LIKE TOP-END Alienware
TYPE OF STUFF.

Leo: YEAH.

Peter: YOU KNOW, GENERALLY I
LIKE TO SHOP ABOUT THE 7.

Leo: YEAH, OKAY.

Peter: I THINK THAT'S THE
MOST BANG FOR THE BUCK.

[Pop captions down]

Leo: THIS IS PROBABLY IN
THAT BALLPARK, BUT IT'S REALLY
A MARKETING TERM.

IT'S LIKE Viiv.

IT'S LIKE Centrino.

Peter: YEAH.

Leo: IT'S NOT -- IT'S NOT
LIKE ONE TECHNOLOGY.
IT'S A PACKAGE DEAL FROM AMD.

Peter: YEAH.

AND I-- BECAUSE I'VE GOT MY
WORK COMPUTER.
THIS ONE'S STRICTLY FOR
PLAYING.

Leo: WELL, IF IT'S YOUR
GAMING SYSTEM, I THINK IT WOULD
BE WORTH LOOKING AT ABSOLUTELY.
AND I THINK YOU'LL SEE IT FROM
GAMING COMPANIES.
IT WOULDN'T BE WORTH WAITING
FOR, LET'S PUT IT THAT WAY.
IF YOU'RE READY TO BUY NOW, I'D
SAY GO AHEAD AND GET AN Intel
SOLUTION.

Peter: ABSOLUTELY.

Leo: BUT SINCE WE'RE
CANADIANS HERE, LET'S SUPPORT
ATI EVEN IF AMD OWNS IT.

(laughing)

Peter: WELL, I'VE NEVER --
I'VE NEVER HAD A COMPUTER THAT
DIDN'T HAVE AN ATI.

Leo: I'M AN ATI GUY TOO.
I HAVE TO SAY I'M ALSO AN AMD
GUY BECAUSE EVEN IF THEY AREN'T
THE STATE OF THE ART, THEY ARE

AT LEAST PROVIDING COMPETITION
AND INCENTIVE FOR Intel TO
INNOVATE.

IN FACT, Intel WOULDN'T BE AS
GOOD AS IT IS TODAY OR AS
AFFORDABLE IF AMD HADN'T BEEN
AROUND.

SO, I WANT TO SUPPORT AMD.

I WANT THEM TO DO WELL.

I'M ABSOLUTELY IN THEIR CORNER.

THEY'VE GONE UP TO ABOUT 25,
35% OF THE MARKET, DESERVEDLY
SO.

Peter: YEAH.

Leo: UNFORTUNATELY Intel HAS
KIND OF LEAPFROGGED THEM IN
TECHNOLOGY.

THEY'VE GOT TO COME BACK.

I DON'T THINK WE'RE GOING TO
SEE AMD CHIPS THAT ARE
SIGNIFICANTLY FASTER UNTIL
MIDDLE OF NEXT YEAR, MIDDLE OF
2008.

SO, YOU KNOW, THE Spider ISN'T
IT.

Peter: YEAH, WELL, WE
DEFINITELY NEED THE COMPETITION
OUT THERE.

Leo: ABSOLUTELY.

Peter: LOOK WHAT'S HAPPENED
TO Windows AND, YOU KNOW,
PEOPLE ARE SO UPSET WITH
Windows --

Leo: EXACTLY.

Peter: -- THEY'RE GOING TO
Mac.

Leo: EXACTLY.

IN FACT, IT'S ALMOST-- YOU
KNOW, IF IT DOESN'T MATTER TO
YOU THAT YOU DON'T HAVE THE
VERY, VERY BEST THING, GET AN
AMD.

THESE ARE GREAT SYSTEMS.

THEY'LL WORK VERY WELL FOR YOU.

THEY'LL BE GREAT FOR GAMING.

I THINK THE Spider IS PROBABLY
A GOOD CHOICE.

IN FACT, YOU'VE JUST TALKED ME
INTO IT.

PETER, I'M BUYING A Spider
SYSTEM THE MINUTE THEY COME
OUT.

POWER TO THE PEOPLE.

[Pop captions up]

Leo: ALL RIGHT. (laughing)

MORE OF YOUR CALLS COMING UP IN
JUST A LITTLE BIT.

"THE LAB WITH LEO"

CONTINUES RIGHT AFTER THIS.

STAY HERE.

(incidental music)

Man (in control room): 6, 5, 4, 3, COMMERCIALS, 2, 1.

[BLACK/COMMERCIAL]

[Pop captions down]

(Theme music playing)

Leo Laporte: WELCOME BACK

TO "THE LAB."

TIME TO TAKE ANOTHER CALL.

KATE ABRAHAM HAS A CALLER FOR
US.

Kate: I DO INDEED.

WE HAVE MARK FROM BEAVERTON IN
ONTARIO.

Leo: HEY, MARK, HOW ARE YA?

[Pop captions up]

Mark: I'M GREAT, LEO.

HOW ARE YOU?

Leo: WONDERFUL.

THANKS FOR CALLING IN.

Mark: GREAT.

Leo: WHAT CAN I DO FOR YOU
TODAY?

Mark: WELL, I'VE GOTTEN A
LITTLE BORED OF XP AND --

Leo: YOU'RE BORED OF XP.

Mark: YEAH.

Leo: YOU WANT MORE.

Mark: WELL, YEAH.

I'VE BEEN PLAYING AROUND
WITH SPECIFICALLY Sabayon --

Leo: AH.

Mark: -- AND Ubuntu.

Leo: OKAY.

THESE ARE Linux DISTRIBUTIONS.

[Pop captions down]

Mark: THAT'S RIGHT.

AND ACTUALLY Sabayon SEEMS TO
BE SO NEW OR AT LEAST THE --
THE LATEST EDITION, I CAN'T

REALLY FIND ANY INFORMATION ON
HOW TO REALLY USE IT.

[Pop captions up]

Leo: YOU KNOW, I'M NOT-- YOU
KNOW, I'M GOING TO JOIN YOU IN
THE CLUB OF PEOPLE WHO DOESN'T
KNOW HOW TO USE IT.

MOST-- I MEAN, Linux IS Linux.

SO, IN MANY CASES INSTRUCTIONS
FOR ONE Linux WILL HELP YOU
WITH OTHER Linuxs.

THE REAL DIFFERENCE AMONG Linux
DISTRIBUTIONS IS IN THE
INSTALLER AND THE BINARY FILE
FORMAT, AND I DON'T KNOW WHAT
Sabayon USES FOR THE BINARY
FILE FORMAT.

[Pop captions down]

Leo: YOU KNOW, THERE'S--
THERE ARE A COUPLE OF
STANDARDS.

THERE'S THE Red Package
Manager, RPM, AND ALL THE Red
Hat PROGRA-- YOU KNOW, DISTROS
USE THAT.

THERE ARE OTHER FILE FORMATS.

Debian USES RPM.

IT'S A SLIGHTLY DIFFERENT RPM.

Ubuntu IS A Debian VARIANT, SO
IT USES THE SAME.

THE NICE THING ABOUT PROGRAM--
OR DISTRIBUTIONS LIKE Ubuntu IS
THEY USE Apt-get, WHICH MAKES

IT EASY TO INSTALL.

THAT'S A, ACTUALLY A BSD PROGRAM, MAKES IT VERY EASY TO INSTALL NEW PROGRAMS.

SO, THOSE ARE THE KINDS OF THINGS YOU'RE LOOKING AT, RIGHT?

Mark: MM-HMM.

Leo: SO, DO YOU KNOW WHAT INSTALLER Sabayon USES?

Mark: I'M NOT EVEN SURE IF IT HAS ONE. (indiscernible)

Leo: OH, I'M SURE IT DOES.

LET'S GO TO THE SITE.

IT'S S-A-B-A-Y-O-N --

Mark: YEAH.

Leo: -- Linux.

AND SO THAT'S s-a-b-a-y-o-n
linux.org.

Mark: YEAH.

Leo: AND THEY DO HAVE A WIKI THERE, SO THAT'S ONE PLACE --

Mark: YEAH.

Leo: -- TO GO TO KIND OF GET SOME INFORMATION ABOUT IT.

[Pop captions up]

Leo: LET ME SEE IF IT-- YOU KNOW, THAT'S THE FIRST THING A DISTRIBUTION SHOULD TELL YOU IS WHAT DESKTOP THEY USE, WHAT INSTALLER-- SO, THEY COME WITH 3D DESKTOP'S Beryl.
OH, THAT'S PRETTY.

Beryl IS BEAUTIFUL.

Compiz AND Metis.

Mark: YEAH, THAT'S KIND OF
REALLY WHAT HOOKED.

Leo: YEAH, THEY'RE GORGEOUS,
BUT ON THE OTHER HAND
(laughing) THEY USE A LOT OF
RESOURCES.

Mark: YEAH.

[Pop captions down]

Leo: SO, LET'S LOOK AT THE
BINARY PACKAGES HERE.
WELL, THIS ISN'T-- THAT'S THE
KIND OF INFORMATION I'D LIKE TO
SEE MORE OF AND I'M A LITTLE
UNDERWHELMED, I'LL BE HONEST
WITH YOU, BY THE WEBSITE.
IT'S A LITTLE FANCY --

Mark: YEAH.

Leo: -- AND I'D LIKE IT TO
BE ACTUALLY A LITTLE MORE
INFORMATIVE (laughing), TO BE
HONEST WITH YOU.

THE WIKI IS GOING TO BE
PROBABLY THE PLACE TO GO TO
FIND OUT MORE ABOUT IT.

I WOULD-- YOU KNOW, I WOULD
LOOK AT Ubuntu.

YOU CAN ALWAYS INSTALL Beryl ON
Ubuntu.

IT'S NOT THAT DIFFICULT TO DO.

Mark: YEAH, I WAS --
ACTUALLY JUST STARTED LOOKING

INTO THAT.

Leo: YEAH.

SO, LET'S LOOK AT THE HOW-TOS,

SEE IF THEY'VE DONE MUCH.

IT LOOKS PRETTY GOOD.

THEY USE SOMETHING CALLED

XDelta.

THAT SOUNDS LIKE THAT MIGHT BE

THEIR--

Mark: YEAH.

Leo: LET'S SEE, THAT'S FOR

DIFFS AND PATCHES.

WELL, I DON'T WANT TO SPEND A

LOT OF TIME TRYING TO FIGURE

ALL OF THIS OUT, BUT THAT'S THE

PLACE TO GO.

IN GENERAL, WHAT YOU'RE REALLY

LOOKING AT IS WHAT ARE THE

DIFFERENCES BETWEEN THIS DISTRO

AND THE GENERIC Linux DISTROS.

Mark: RIGHT.

Leo: THAT'S WHERE THE

Sabayon PAGE IS GOING TO BE OF

MOST VALUE TO YOU AND I THINK

THE WIKI IS PROBABLY THE FIRST

PLACE TO GO TO.

ONCE YOU'VE GOT THAT, THEN THE

OTHER PLACE TO GO IS tldp.org.

THAT'S The Linux Documentation

Project.

AND THAT'S GOT GENERIC Linux

DOCUMENTATION, ALL THE HOW-TOS

ARE HERE.

[Pop captions up]

Leo: LOTS OF INFORMATION
ABOUT Linux IN GENERAL.
IS THIS YOUR FIRST TIME USING
Linux?

Mark: OH, YEAH. (laughing)

Leo: YEAH.
SO, I WOULD, YOU KNOW, START
OFF BY LEARNING ABOUT
Sabayon -- Sabayon THE MOST YOU
CAN.
OFTEN DISTROS, BY THE WAY, HAVE
FULL DOCUMENTATION ON THE
INSTALLATION.

[Pop captions down]

Leo: SO, LOOK AT WHAT KIND
OF DOCUMENTATION IS IN THERE
AND THEN GO TO The Linux
Documentation Project, tldp.org
AND THAT'S WHERE YOU'LL GET
MORE GENERAL Linux INFORMATION,
INCLUDING SOME BOOK-LENGTH
ARTICLES THAT ARE REALLY
FANTASTIC.
IF YOU'RE LOOKING FOR A BOOK TO
READ ABOUT Linux TO GET YOU
STARTED, YOU'RE COMING FROM
Windows, I WANT TO RECOMMEND MY
FRIEND MARCEL GAGNE'S BOOKS.
HE'S BEEN ON THE SHOW MANY,
MANY TIMES.
HE'S WRITTEN A WHOLE SERIES OF
BOOKS CALLED "Switching to Linux: Kiss the Blue

Screen Of Death Goodbye."

Mark: (laughing)

Leo: SO - SO, HIS-- THESE
ARE DESIGNS FOR Windows USERS
AND THEY REALLY HELP YOU ON -
YOU KNOW, THEY'LL SAY THINGS
LIKE, OKAY, IF THIS IS HOW YOU
DO IT IN Windows, THIS IS HOW
YOU DO THE SAME THING IN Linux.
SO, IT KIND OF GIVES YOU
ANALOGS FOR THE KINDS OF THINGS
THAT YOU WOULD WANT TO DO IN
Windows AND IT MAKES IT VERY
EASY FOR YOU TO MAKE THAT
SWITCH.
SO, THAT'S A GOOD PLACE TO
START: The Linux Documentation
Project, MARCEL'S BOOKS, AND OF
COURSE WHATEVER DOCUMENTATION
YOU CAN GET FROM THE Sabayon
PAGE.
ONE REASON I USUALLY RECOMMEND
DISTRIBUTIONS LIKE Ubuntu,
BECAUSE THEY'RE - YOU KNOW,
THEY'RE MUCH MORE SUPPORTED,
RIGHT.
THEY'VE BEEN AROUND A LONG
TIME.
Sabayon LOOKS INTERESTING
THOUGH.
I WANT TO INSTALL IT.
I'LL BE PLAYING WITH IT.
NOW IT'S TIME FOR A SHINY.

IT'S A SHINY ON THE FLOOR.

Sean: YES.

Leo: YOU GOT KATE OUT OF THE WAY BECAUSE SHE DOESN'T WANT TO HAVE ANYTHING TO DO WITH THIS ONE.

THIS IS THE NEW Roomba!

Sean: YES.

YOU PROBABLY, LIKE ME, HATE VACUUMING.

Leo: YES.

Sean: SO, WHY NOT HIRE A ROBOT TO DO IT FOR YOU?

Leo: A ROBOT FROM iRobot. NOW, Roomba HAS BEEN AROUND FOR YEARS --

Sean: MM-HMM.

Leo: -- BUT THEY'VE REALLY UPGRADED THESE THINGS.

Sean: RIGHT.

Leo: THIS IS THE NEWEST ONE?

Sean: THIS IS THE 560 AND BASICALLY IT VACUUMS FOR YOU, SO.

Leo: LET'S SEE.

[Pop captions up]

Sean: YOU JUST HAVE TO PRESS "CLEAN" AND YOU CAN DO THIS ON A SCHEDULE AS WELL. TELL IT TO DO IT EVERY WEDNESDAY AT 5:00 p.m., FOR EXAMPLE, AND IT'LL JUST TAKE OFF OUT OF THE DOCK, SPIN

AROUND AND START VACUUMING.

[Pop captions down]

Leo: SO, DOES IT DO A RANDOM WALK?

IS THAT HOW IT FIGURES OUT WHERE TO GO?

Sean: YEAH, PRETTY MUCH. IT HAS A BUMPER ON THE FRONT THAT MAKES IT TURN AROUND AND --

Leo: IT LOOKS LIKE A STREET SWEEPER.

Sean: -- AND ESSENTIALLY IT -- YOU KNOW, IF IT BITS AN OBJECT LIKE A FOOT --

Leo: IT TURNS.

Sean: -- OR YOUR WALL, IT'LL TURN IN PLACE AND GO IN A DIFFERENT DIRECTION.

Leo: IT ALSO, WHEN IT'S DONE, GOES BACK TO ITS CHARGER, DOESN'T IT?

Sean: RIGHT.

SO, WHEN IT'S RUNNING LOW ON BATTERY--

Leo: IT KEEPS TRACK OF IT.

Sean: YEAH, SO AND THEN IT'LL BASICALLY HEAD BACK INTO ITS CHARGER.

Leo: NOW, HOW DOES IT DO ON CARPET?

Sean: IT DOES OKAY ON CARPET.

IT DOES GOOD ON THE FLOOR.

IT AUTOADJUSTS FOR THE TWO
DIFFERENT TYPES AND IT--

Leo: BECAUSE THE FIRST
Roombas WERE FAIRLY WEAK.

Sean: YEAH, THIS ONE IS --
IS BETTER, DEFINITELY BETTER.

Leo: WELL, IT CAN'T BE TOO
POWERFUL.

LOOK AT THE SIZE OF IT, RIGHT?

Sean: YEAH, I MEAN IT--

Leo: BUT ON THE OTHER HAND,
YOU LET THIS RUN WHILE YOU'RE
AT WORK.

Sean: YOU LET IT RUN WHILE
YOU'RE AT WORK AND YOU
BASICALLY COME HOME TO A
FREAKED OUT HOUSE PET.

Leo: YEAH, PETS MUST HATE
THIS THING.

Sean: YEAH, MY CAT JUST
DISAPPEARED COMPLETELY WHEN I
STARTED THIS RUNNING AT HOME.
BUT, YOU KNOW, IT'LL DO RANDOM,
YOU KNOW, WALK AROUND THE FLOOR
AND GET WHAT IT CAN FIND.

Leo: DOES IT GENERALLY GET
EVERYTHING OR DOES IT GET STUCK
IN A LOOP?
BECAUSE IT LOOKS LIKE IT HAS.

Kate: (laughing)

Sean: YEAH, IT CAN GET STUCK
IN A LOOP THERE, BUT, YOU KNOW,

EVENTUALLY IT'LL FIND ITS WAY
OUT.

Leo: SO, WE'RE GOING TO COME
HOME AND-- OH, GOOD, IT GOT
OUT.

THAT'S GOOD.

Sean: YEAH, IT HAS SOME
PRETTY GOOD HURISTICS IN THERE,
SO EVENTUALLY IT'LL SAY I'VE
DONE THIS TOO MANY TIMES AND GO
IN A DIFFERENT DIRECTION.

[Pop captions up]

Leo: THIS IS THE THIRD OR
FOURTH GENERATION OF THIS
PRODUCT, RIGHT?

Sean: YEAH.

Leo: SO, I MEAN, THEY MUST
HAVE GOTTEN BETTER.

Sean: YEAH, SO ANYWAYS, WE
SEE RIGHT HERE IT --

Leo: PROS AND CONS.

Sean: -- IT AUTOCLEANS YOUR
ROOM.

YOU DON'T HAVE TO, YOU KNOW,
WANDER AROUND YOURSELF AND DO
THAT.

IT ADJUSTS FOR THE FLOOR TYPE
AND IT DOES AVOID FOLLOWING
DOWN STAIRS, WHICH IS GOOD,
BECAUSE YOU DON'T WANT TO COME
HOME TO A BROKEN ONE EITHER.

Leo: NOT AT 349 BUCKS YOU
DON'T.

Sean: RIGHT.

AS YOU MENTIONED, IT DOES FIND
THE CHARGING DOCK WHEN THE
BATTERY IS LOW OR WHEN IT
THINKS IT'S DONE.

[Pop captions down]

Sean: THE DULL, IT DOES SEEM
KIND OF RANDOM.

IT JUST SORT OF HEADS ANYWHERE
IT LOOKS LIKE.

IT DOESN'T HAVE A - YOU KNOW, A
GOOD PATTERN THAT YOU WOULD DO
IF YOU WERE DOING IT YOURSELF.
AND IT DOES SCARE THE CRAP OUT
OF YOUR HOUSE PETS.

Leo: (laughing)

[Pop captions down]

Leo: YOU HAVE TO GIVE IT
SEVERAL HOURS TO MAKE SURE THAT
IT GOT EVERYTHING.

Sean: RIGHT.

Leo: I THINK THAT'S PROBABLY
THE IDEA.

Sean: THE ONE THING THAT I
DID NOTICE--

Leo: IT'S VERY COOL.
YOU CAN'T SAY IT'S NOT COOL.

Sean: YOU KNOW, WE WENT OUT
FOR A COUPLE HOURS, CAME BACK,
THE FLOOR WAS CLEAN, THE CAT
WAS FREAKED OUT, AND IT WAS IN
ITS CHARGING DOCK, SO IT DOES
WHAT IT'S SUPPOSED TO DO.

Leo: WOW, THAT'S REALLY
COOL.

Roomba, 349 BUCKS.

THEY ALSO MAKE A Looj --

Sean: MM-HMM.

Leo: -- WHICH IS A GUTTER
CLEANER.

WE'D TO GET SOME GUTTERS IN
HERE, BUT WE COULD TRY THAT
SOMETIME.

I LIKE THIS.

LET'S JUST LET IT RUN THROUGH
THE REST OF THE SHOW.

Sean: IT'S KIND OF DIRTY
HERE.

Leo: IT'S NOT VERY NOISY, I
MUST SAY.

WHAT DO YOU THINK, KATE?

Kate: I THINK IT'S GREAT.

Leo: YEAH.

Kate: IT'S HANDSFREE
ABSOLUTELY.

[Pop captions up]

Leo: KATE'S COMING UP IN
JUST A BIT.

SHE'S GOING TO SHOW US A GREAT
WAY TO GET INFORMATION UPDATES
ON A LITTLE DEVICE JUST HANGING
AROUND YOUR HOUSE.

Kate: ABSOLUTELY.

Leo: I LIKE IT.

[Pop captions up]

Leo: BUT FIRST, OUR ONE LAST

CHANCE TO TAKE OUR QUICK QUIZ
QUESTION OF THE DAY.

HERE IT IS.

WHAT CHEMICAL DO THEY USE IN
THOSE EARLY DAYS FLASHES OF
PHOTOGRAPHY?

WAS IT MAGNESIUM, SILVER,
PHOSPHOROUS OR OXYGEN?

GIVE US A GOOD GUESS.

WE'LL TALK ABOUT IT WHEN

"THE LAB" CONTINUES.

STAY RIGHT HERE.

Roomba - OH, Roomba, OVER HERE.

(incidental music)

[BLACK/COMMERCIAL]

[Pop captions up]

Leo Laporte: WELCOME BACK

TO "THE LAB."

BEFORE THE BREAK WE ASKED YOU

WHICH CHEMICAL THEY USED IN

THOSE EARLY FLASH BULBS.

WAS IT MAGNESIUM?

I KNOW THAT BURNS PRETTY HOT

AND BRIGHT.

[Pop captions down]

Kate: HOT AND BRIGHT.

Leo: THAT'S WHAT THEY MAKE

FLARES OUT OF, MAGNESIUM.

Kate: GOOD MAN.

10 POINTS.

Leo: 10 POINTS, DING-DING-

DING-DING.

KATE ABRAHAM IS HERE.

SHE'S GOING TO SHOW US
SOMETHING I THINK IS KIND OF
NEAT.

Kate: THIS IS SUCH A COOL
WEBSITE.

IT'S A GREAT LITTLE FIND.

IT'S CALLED FrameChannel.

[Pop captions up]

Kate: AND WHAT IT IS IS A
COMPLETELY FREE SERVICE.
IT ALLOWS YOU TO - EFFECTIVELY
TO PUT CONTENT FROM THIS SITE
THROUGH INTO THESE WIRELESS
PICTURE FRAMES.

[Pop captions down]

Leo: NOW, THIS IS A Samsung
FRAME, BUT THERE ARE OTHER
COMPANIES THAT MAKE THESE AS
WELL, RIGHT?

Kate: ABSOLUTELY.

AND THIS IS-- RIGHT NOW THIS --
IT'S A FAIRLY NEW DESIGN, A
VERY NEW COMPANY.

RIGHT NOW Samsung, THERE'S A
FEW OTHER COMPANIES AS WELL
THAT HAVE THE PHOTO FRAMES
AVAILABLE.

Leo: DO THEY GET THIS
WIRELESSLY?

Kate: YES, THEY DO.

OBVIOUSLY WE'RE PLUGGED INTO
THE POWER, THAT'S IT.

Leo: BUT THAT'S IT?

Kate: YES.

Leo: SO, IF YOU HAVE WiFi.

Kate: YEAH.

Leo: AND WHAT KIND OF
INFORMATION CAN WE GET IN HERE?

[Pop captions up]

Kate: THIS IS THE GREAT
THING ABOUT FrameChannel.
IT'S WHATEVER YOU WANT TO PUT
ON IT YOU CAN PUT ON IT.

Leo: O.J. SIMPSON?

Kate: I CAN PUT O.J. ON
THERE.

Leo: (laughing) THIS IS
PROBABLY A NEWS FEED THAT
YOU'RE GETTING HERE.

Kate: YEAH, LET ME SHOW YOU
WHAT WE'VE DONE.

Leo: OKAY.

[Pop captions down]

Kate: SO, THIS IS -- THIS IS
THE HOMEPAGE.

Leo: SO, YOU CONTROL THIS ON
THE WEBSITE.

Kate: YEAH.

NOW, WHAT YOU'VE GOT IS ONCE
YOU'VE SIGNED UP TO AN ACCOUNT,
WHICH I'VE DONE HERE--

Leo: FREE, RIGHT?

Kate: YEAH, ABSOLUTELY FREE
BECAUSE IT'S PAID FOR BY
ADVERTISEMENTS.

[Pop captions up]

Kate: BUT THE GOOD THING IS
WITH THE ADVERTISEMENTS, THEY
ARE SO -- THEY RUN--

Leo: THERE'S ONE ON THERE
RIGHT NOW.

Kate: YEAH, THEY RUN LOWER
THIRD, RIGHT.

Leo: IF YOU LOOK AT THE
FRAME, IT'S NOT--

Kate: YEAH.

Leo: IT'S CERTAINLY NOT --

Kate: THEY'RE NOT INTRUSIVE.

Leo: -- INTRUSIVE, YEAH.

Kate: ABSOLUTELY.

Leo: SO, THAT'S AN AD.

[Pop captions down]

Kate: THAT'S THE GREAT THING
ABOUT THEM.

BECAUSE, I MEAN, OBVIOUSLY THE
MAJORITY OF YOUR INFORMATION IS
THE UPPER, SAY, THREE-QUARTERS
OF THE SCREEN.

Leo: RIGHT.

Kate: SO, THAT'S FINE.

Leo: YEAH, THAT'S FINE.

Kate: AND THE COOL THING IS
THAT ONCE YOU'VE ACTUALLY
LOGGED INTO YOUR ACTUAL
ACCOUNT, WHAT YOU CAN DO IS
YOU'VE GOT A COUPLE OF OPTIONS.
FIRST YOU CAN CREATE CHANNELS.
SO, WHAT I CAN DO IS, FOR
INSTANCE, I CAN ADD MY flickr

PHOTOS.

Leo: YEAH, BECAUSE I SEE
YOU'VE GOT (indiscernible)
PICTURES UP HERE.

Kate: ABSOLUTELY.

YEAH, SO WHAT WE DO IS JUST
CLICK THROUGH HERE.

AND THE OPTIONS ARE IS YOU CAN
ACTUALLY GIVE THE CHANNEL A
NAME.

I'VE ALREADY DONE IT OBVIOUSLY.
YOU CAN ACTUALLY SELECT OR
DESELECT A TAG.

SO, FOR INSTANCE, IF I DIDN'T
WANT TO INCLUDE, SAY, FOR ANY
REASON CHRIS PIRILLO, THEN I
WOULDN'T CHECK HIM.

Leo: OKAY.

Kate: SO, THAT'S THE FIRST
THING YOU'RE GOING TO DO.
THAT'S YOUR PERSONAL CONTENT.

Leo: SO, THOSE ARE YOUR
flickr GROUPS --

Kate: YEAH, EXACTLY.

Leo: -- OR FRIENDS.

Kate: AND OBVIOUSLY YOU CAN
DO IT WITH THE Facebook AS
WELL --

Leo: YEAH.

Kate: -- WHICH IS GREAT.

Leo: YEAH.

Kate: THE OTHER OPTION--

Leo: THAT WOULD BE FUNNY TO

HAVE YOUR Facebook FRIENDS JUST
SHOW UP ON YOUR FRAME.

Kate: ABSOLUTELY.

AND THE OTHER OPTION YOU HAVE
IS TO ACTUALLY USE THE CHANNELS
THAT THEY'VE CREATED
THEMSELVES, AND THEY HAVE OVER
200 CHANNELS.

Leo: Beer, Beer and more

Beer.

Kate: UNFORTUNATELY--

Leo: MATT HARRIS, WE'VE GOT
A CHANNEL FOR YOU.

Kate: (laughing) AND THE
GREAT THING IS WHAT YOU WILL DO
IS, SO YOU WILL GO THROUGH AND
SAY, OKAY, MAYBE I WANT A NEWS
FEED, I WANT A SPORTS FEED, I
WANT TO HAVE AN IMAGE OF THE
DAY.

ALL YOU'LL DO HERE IS OBVIOUSLY
YOU'LL SELECT TO -- TO ADD THE
CHANNEL, WHICH IS THE GREAT
THING ABOUT IT.

[Pop captions up]

Kate: AND THEN THE GREAT,
REALLY COOL THING I FIND IS
ONCE I'VE ADDED MY CHANNELS, I
COME THROUGH AND SAY I'M
THINKING, OKAY, I WANT THE TOP
HEADLINES BUT I DON'T WANT THE
HEADLINES FOR MAYBE 24 HOURS A
DAY, I ONLY WANT THEM FOR THE

FIRST COUPLE OF HOURS IN THE
MORNING --

Leo: OH, YOU CAN SET SOME
RULES HERE.

Kate: -- YOU SET RULES.
SO, FOR INSTANCE, YOU'LL SET
THE TIME IT'LL COME ON.

Leo: OH, THAT'S NEAT.

Kate: SO, FOR INSTANCE, IN
THE MORNING FOR THOSE HOURS
THERE IT WILL GO THROUGH THEM.

Leo: SO, 9:00 TO NOON YOU
GET THE NEWS --

Kate: EXACTLY.

Leo: -- AND THE REST OF THE
TIME YOU GET YOUR Facebook
FRIENDS.

Kate: EXACTLY, YEAH.
ONE THING I WOULD SAY WITH
THIS SERVICE IS YOU DON'T ADD
TOO MANY CHANNELS BECAUSE IT'S
TEMPTING TO ADD TOO MANY.

Leo: RIGHT.

[Pop captions down]

Kate: IF YOU ADD TOO MANY
CHANNELS, EVENTUALLY YOU'LL
LITERALLY-- IT'LL JUST COME
FLASHING AT YOU AND YOU'LL
NEVER SEE EVERYTHING.

Leo: OH, REALLY?
OKAY.

Kate: NOW, ONE THING AS
WELL, BECAUSE IT'S A FAIRLY NEW

COMPANY, RIGHT NOW THIS PHOTO
FRAME ONLY UPDATES EVERY HOUR.
SO, FOR INSTANCE, FOR SPORTS
SCORES, IT'S NOT A HUNDRED PER
CENT BANG ON ACCURATE.

Leo: SO, YOU WOULDN'T USE
THIS TO KEEP TRACK OF YOUR
TEAM.

Kate: YEAH, BUT WHAT THEY'RE
DOING IS-- I'VE SPOKEN TO THE
COMPANY.

ACTUALLY THEY'RE WORKING ON
GETTING THIS UPDATED
INSTANTANEOUSLY.

Leo: OH, WOW.

Kate: AND IF THAT'S THE
CASE, THEN THAT WOULD BE
FANTASTIC.

[Pop captions up]

Leo: NOW, THE SERVICE IS
FREE, BUT YOU DO HAVE TO HAVE A
FRAME.

Kate: YES.

Leo: HOW MUCH DO THESE
FRAMES RUN?

Kate: WELL, YOU'VE GOT A
COUPLE OF OPTIONS.
THIS ONE HERE IS \$200.

Leo: YIKES.

[Pop captions down]

Kate: IT'S 7 INCHES.
WHAT THEY'RE DOING IS THEY'RE
ACTUALLY RELEASING AN 18 INCH

FOR CHRISTMAS AND A 10 INCH IN
THE NEW YEAR.

AND OBVIOUSLY THE COST WILL
ACCORD TO THE SIZE.

Leo: RIGHT.

Kate: OR YOUR OTHER OPTION
IS YOU CAN ACTUALLY SET THIS AS
A SCREENSAVER, WHICH IS
COMPLETELY FREE.

Leo: OH, PUT IT ON YOUR
COMPUTER.

Kate: YEAH.

SO, WHAT YOU DO IS-- THIS IS
OBVIOUSLY IN Windows.
IT'S ACTUALLY NOT Mac
COMPATIBLE RIGHT NOW.

Leo: OKAY.

Kate: SO, WHAT YOU WOULD DO
IS LITERALLY YOU DOWNLOAD THE
Google PHOTO SCREENSAVER
PACKAGE AND THEN YOU CAN RSS
FEED THIS THROUGH AND THERE YOU
ARE.

NOW, WHAT YOU CAN DO IS--

Leo: SO, THIS COULD BE
ANYTHING THAT HAD AN RSS FEED
YOU COULD PUT IN THERE?

Kate: YEAH, ABSOLUTELY.

Leo: SO, UM--

Kate: AND HERE'S A LITTLE
DEMO OF THE SCREENSAVER.

[Pop captions up]

Leo: IF THEY-- IT'S TOO BAD

THEY DON'T HAVE FRAMES THAT
HAVE SPEAKERS BECAUSE YOU COULD
PUT PODCASTS AND VIDEO.

YOU COULD HAVE BLOG--

Kate: YOU KNOW WHAT, I THINK
IT'S MOVING FORWARD.

Leo: WOULDN'T IT BE COOL
THAT YOU JUST GOT THE NEW --

Kate: YEAH.

Leo: -- VIDEO PODCAST OR
AUDIO PODCAST ON IT?

Kate: YEAH, ABSOLUTELY.

THE COOL THING WITH THIS, YOU
CAN HAVE THIS ON YOUR DESK AT
WORK, SAY, AND YOU CAN GET THE
NEWS FEEDS COMING THROUGH
REGULARLY.

Leo: RIGHT.

Kate: YOU CAN OBVIOUSLY HAVE
UPDATES.

AND THE GREAT THING IS AS WELL,
LIKE, YOU KNOW, HAVING FAMILY
PHOTOS ON THERE, THE SPORTS
DETAILS.

EFFECTIVELY THIS IS ALMOST LIKE
A, A MINI TELEVISION --

Leo: WOW.

Kate: -- THAT ISN'T TOO
DISTRACTING.

Leo: YEAH, WELL, AND I TELL
YOU, IF YOU RAN A RESTAURANT OR
A BAR, THIS WOULD BE A NICE
THING TO HAVE ON THE WALL.

Kate: ABSOLUTELY.

Leo: A LOT OF PEOPLE DO THAT
NOW IN BARS --

Kate: YEAH.

Leo: -- BUT IT'S AN
EXPENSIVE SERVICE.

Kate: MM-HMM.

Leo: THIS IS A RELATIVELY
INEXPENSIVE WAY TO DO THAT.

Kate: ABSOLUTELY.

YES, IT'S framechannel.com.

Leo: framechannel.com.

YOU NEED A FRAME OR YOU COULD
PUT IT ON THE SCREENSAVER --

Kate: YEAH.

Leo: -- FOR FREE --

Kate: ABSOLUTELY.

Leo: -- IF YOU'VE GOT
Windows.

Kate: YEAH.

Leo: VERY COOL.
VERY INTERESTING.

Kate: IT'S A VERY COOL
LITTLE SITE.

[Pop captions down]

Leo: THAT'S A USE OF RSS I
LIKE.

A REALLY INTERESTING USE OF
RSS.

Kate: YEAH.

Leo: THANK YOU, KATE.

Kate: THANK YOU.

Leo: KATE ABRAHAM.

AND NOW IT'S TIME FOR US TO
WRAP THINGS UP RIGHT AFTER
THIS, A FINAL WORD.
YOU STAY RIGHT HERE.

Kate: OKAY.

(Theme music playing)

[BLACK/COMMERCIAL]

[Pop captions down]

(Theme music playing)

Leo: SO, THE Roomba IS STILL
VACUUMING.

I THINK THAT'S A GOOD THING.
THESE ARE-- WHAT ARE THESE
NOW?

THESE ARE LIKE-- THESE ARE
LIGHTHOUSES THEY CALL THEM?

Sean: I FORGOT TO MENTION
THEY'RE A LIGHTHOUSE OR A
VIRTUAL WALL.

SO, IF YOU WANT TO PREVENT THE
Roomba FROM GOING INTO CERTAIN
AREAS OF THE HOUSE, YOU SET IT
UP AS A VIRTUAL WALL.

Leo: AND IT WON'T GO PAST
IT?

Sean: AND JUST SET IT UP
OVER HERE AND IT WON'T GO PAST
THIS LINE.

Leo: OH, INTERESTING.

Sean: SO, YOU CAN SET UP
VARIOUS DISTANCES.

SO, I PUT THIS IN FRONT OF MY--

Leo: DO YOU GET THIS WITH

THE Roomba OR ARE THEY
SEPARATELY?

Sean: THEY COME WITH THE
Roomba.

Leo: HOW MANY DO YOU GET?

Sean: YOU GET THESE TWO.

Leo: SO, YOU COULD KEEP THEM
OUT OF THE OFFICE OR THE
DOGHOUSE OR WHATEVER.

Kate: ABSOLUTELY.

Sean: I PUT IT IN FRONT OF
MY CAT'S WATER DISH.

Leo: YEAH.

Sean: OTHERWISE IT JUST
SMASHED IT OVER, SO.

Leo: OH, THAT'S A GOOD
POINT.

Sean: AND YOU CAN ALSO SET
IT UP AS A LIGHTHOUSE SO IT'LL
GO TO THAT AND VACUUM AROUND
THAT AS WELL.

Leo: OH, REALLY?

Sean: YES.

Leo: SO, IT'S EITHER A
VIRTUAL WALL OR A LIGHTHOUSE.

Sean: YEAH, I THINK VIRTUAL
WALLS ARE MORE HANDY FOR ME.

Kate: (laughing)

Leo: (laughing)

Kate: IT'S QUITE LOUD, EH?

Leo: IT'S A LITTLE LOUD.

WELL, I DON'T THINK YOU RUN IT
WHEN YOU'RE HOME.

IT HAS SOME TROUBLE WITH THAT
LAMP.

Kate: YEAH, IT'S -- IT'S
MOUNTING THE LAMP.

Leo: I JUST-- YOU KNOW, IT'S
FUNNY BECAUSE THE COMPANY IS
CALLED "I, ROBOT," NAMED
AFTER THE ISAAC ASIMOV'S SHORT
STORIES.

I HOPE NOT NAMED AFTER THE
MOVIE "I, ROBOT" IN WHICH
THE ROBOTS TAKE OVER AND START
MURDERING PEOPLE.

Kate: FEET UP I WOULD SAY.

Leo: (laughing)

I DON'T KNOW HOW HE'D MURDER
YOU.

HE'S GOING TO WHIP YOU --

Sean: VIRTUAL WALL.

Leo: -- WITH HIS LITTLE
BEATER.

[Pop captions up]

Leo: I WANT TO SHOW ALSO
ANOTHER DEVICE WHICH I THINK
WE'RE GOING TO GET IN HERE.
THESE ARE chumbys, c-h-u-m-b-y.
IT'S KIND OF LIKE WHAT YOU WERE
TALKING ABOUT.

Kate: RIGHT.

Leo: THIS MUST BE AN IDEA
WHOSE TIME HAS COME.
THESE ARE JUST STARTING TO COME
OUT NOW.

THEY HAD A PRERELEASE PROGRAM.

180 BUCKS.

AND THEY -- SIMILARLY THEY HAVE
RSS CHANNELS THAT THEY CAN
SUBSCRIBE TO AND DO ALL SORTS
OF INTERESTING THINGS AND
THEY'RE VERY HACKABLE --

Kate: OHHH.

Leo: -- AND THAT'S WHY A LOT
OF HACKERS ARE INTERESTED IN
THIS BECAUSE YOU CAN DO ALMOST
ANYTHING WITH A chumby.

Kate: ABSOLUTELY.

Leo: BUT IT WON'T VACUUM
YOUR FLOOR.

Kate: OR CHASE SEAN AROUND.

Leo: YOU KNOW, IS THERE A
CHASE SEAN AROUND MODE IN THAT
ROBOT?

BECAUSE THAT'LL BE GREAT.

Kate: I THINK IT'S WORKING
QUITE WELL NOW. (laughing)

Leo: YEAH.

IT IS KIND OF CHASING HIM,
ISN'T IT?

Sean: ACTUALLY, IT'S FOUND
SOME OF YOUR HAIR.

Leo: (imitating digital
voice) I WILL FIND SEAN AND
KILL.

Kate: SEE, NOW IT'S COMING
TO ME.

Leo: KILL SEAN. KILL SEAN.

KATE I LIKE. KATE IS CUTE.

Kate: (laughing)

Leo: KATE IS CUTE.

OH-OH-OH, REJECTED, REJECTED.

LEAVING, SHAME HEAD HUNG.

IF YOU WANT TO GET ON THE SHOW,

GO TO OUR WEBSITE

labwithleo.com AND FILL OUT

THE FORM.

WE'D LOVE TO SEE YOU HERE.

YOU COME BACK NOW, YOU HEAR?

BYE-BYE.

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[Pop captions down]