

[Pop captions up]

(Quiet synthesizer music)

Cali Lewis: HEY, I'M CALI LEWIS FROM "GEEKBRIEF TV."

I'VE GOT A HOT NEW PAIR OF
WIRELESS SPEAKERS FOR YOU, THAT
AND MORE TODAY ON "THE LAB."

(Theme music playing)

[Pop captions down]

(Sound of dial-up modem)

[MUSIC]

Leo Laporte: (Chuckling)

[Pop captions up]

Leo Laporte: HEY, HOW ARE YOU?
GOOD TO SEE YOU, AND WELCOME.
IT'S TIME FOR "THE LAB!"

YES, IT --

WAIT A MINUTE, WAIT A MINUTE.

IT'S TIME FOR "THE LAB,"

AND LOOK WHAT WE HAVE HERE.

HELLO, KATE ABRAHAM.

WE HAVE --

IF THIS --

IF THERE IS WHAT I THINK THERE

IS IN HERE --

OH, YES, IT'S MR. EXCEL GOLD PIECES.

Kate Abraham: INDEED.

[Pop captions down]

Leo Laporte: THAT MEANS MR. EXCEL MUST BE HERE.

Kate Abraham: IT'S REAL EXCEL MONEY.

Leo Laporte: EXCEL MONEY.

HAVE YOU HAD SOME?

Kate Abraham: THANK YOU.

Leo Laporte: YES, THIS IS LIKE LEPRECHAUN DOLLARS.

Kate Abraham: EXACTLY.

Leo Laporte: THEY EVAPORATE.

Kate Abraham: (Laughing)

Leo Laporte: BUT FIRST YOU

HAVE TO EAT THEM.

BILL JELEN IS HERE.

HE'S GONNA TALK ABOUT EXCEL 2007.

WE HAVEN'T DONE A LOT ON THE NEW

OFFICE 2007.

Kate Abraham: NO.

Leo Laporte: IT'S REALLY NEAT, BUT IT'S ALSO VERY

DIFFERENT.

WE'LL TALK ABOUT USING IT TO

FILTER YOUR DATA, TO CHOOSE THE

DATA POINTS THAT YOU WANT.

ALSO, CALI LEWIS, AS YOU SAW --

Kate Abraham: YES.

Leo Laporte: VIA SKYPE.

SHE'S GONNA REVIEW SOME VERY

INTERESTING SPEAKERS.

THEY EVOLVE.

AND STEVE GIBSON --

(Chuckling)

ACTUALLY, THIS IS A FASCINATING ONE.

SOMEBODY ASKED US ON OUR

"SECURITY NOW" PODCAST ABOUT

WIRELESS KEYBOARDS AND HOW

SECURE THEY WERE.

WHEN STEVE FOUND OUT, HE WAS
SHOCKED, SHOCKED I TELL YOU!
WE'LL TALK ABOUT WHAT'S WRONG
WITH WIRELESS KEYBOARDS IN JUST
A LITTLE BIT.

SO THAT'S ALL COMING UP, AND
YOUR TIP OF THE DAY --

Kate Abraham: YES.

Leo Laporte: AND LOTS MORE,
SEAN'S SHINY, AND LOTS OF
CALLERS, I SEE.

LET'S GET TO OUR FIRST CALLER.

Kate Abraham: WE ARE HEADING
TO TORONTO, ONTARIO, AND WE HAVE ANGELO.

(Paper rustling)

Kate Abraham: (Whispering)

YES!

Leo Laporte: (Laughing)

YES!

Kate Abraham: (Laughing)

Leo Laporte: HI, ANGELO!

HOW ARE YOU TODAY?

[Pop captions up]

Angelo: (Chuckling)

GOOD.

AND YOURSELF?

Leo Laporte: I'M WONDERFUL.

WELCOME TO "THE LAB!"

Angelo: THANK GOD THEY DIDN'T
WIN THE LOTTERY, OR WE WOULD'VE
BEEN TALKIN' TO A DIAL TONE
RIGHT NOW.

Leo Laporte: OH, YEAH?

WERE YOU --

HOW MUCH WAS THE LOTTERY?

Angelo: NO, ACTUALLY THIS WAS
KATE AND THE BOYS.

Leo Laporte: OH!

DO YOU THINK THEY WERE TRYING TO
WIN THE LOTTERY?
WHAT HAPPENED?

Kate Abraham: ME AND BILL --

Leo Laporte: YOU DIDN'T WIN?

Kate Abraham: ME AND BILL
WERE TRYING TO WIN THE LOTTERY TODAY.

[Pop captions down]

Leo Laporte: USING EXCEL?

Kate Abraham: USING EXCEL DOLLARS.

Leo Laporte: AND DID YOU?

Kate Abraham: (Laughing)

NO, WE DIDN'T.

Leo Laporte: YOU'RE RIGHT --

THANK GOD THEY DIDN'T.

MY GOD, THEY'D BE GONE LONG AGO!

ANGELO, WHAT CAN I DO FOR YOU TODAY?

Angelo: WELL, I HAVE A BIT OF A PROBLEM.

Leo Laporte: YES, SIR.

Angelo: RIGHT NOW --

Leo Laporte: EVERYBODY WHO

CALLS ME HAS A PROBLEM!

WHAT IS THIS?

Angelo: THAT'S WHAT YOU'RE FOR.

Leo Laporte: (Laughing)

THAT'S WHAT I'M HERE FOR.

I'M KIND OF A COMPUTER THERAPIST.

Angelo: THAT'S A GOOD WAY OF

LOOKING AT IT.

Leo Laporte: YEAH.

Angelo: I NEED A --

I NEED SOME FIREWALLS FOR
COMPANIES THAT ACTUALLY STOP
EMPLOYEES FROM READING THEIR
E-MAILS AND FACEBOOK AND --

Leo Laporte: (Chuckling)

MESSIN' AROUND WHEN THEY SHOULD
BE WORKIN', DAGNABBIT!

Angelo: YES, IT'S BECOME A
BIT OF AN EPIDEMIC IF YOU CAN
SAY THAT.

Leo Laporte: YEAH, AND I KNOW
MANY EMPLOYEES WILL GO, "OH, HERE'S --
WE'VE GOT SCROOGE FOR A BOSS HERE.
HE DOESN'T WANT TO LET US DO OUR FACEBOOK."
BUT ABSOLUTELY, THEY'RE USING
YOUR EQUIPMENT ON YOUR TIME WITH
THE COMPANY'S BANDWIDTH, AND YOU
HAVE EVERY BIT, EVERY RIGHT TO
SAY TO THEM, "HERE'S WHAT YOU
CAN AND CANNOT DO."

I DO RECOMMEND THAT EMPLOYERS
WHO DO THIS MAKE A POLICY BOOK,
"THIS IS OUR INTERNET POLICY,
AND THIS IS WHAT WE DON'T WANT
YOU TO DO," YOU KNOW, JUST TO
MAKE IT VERY CLEAR INSTEAD OF
JUST KIND OF ALL OF A SUDDEN
BLOCKING FACEBOOK.

IT WORKS A LITTLE BETTER TO DO
THAT, AND THERE ARE A LOT OF

WAYS TO DO IT.

ACTUALLY, YOU KNOW WHO'S HERE
THAT WOULD REALLY PROBABLY BE
THE RIGHT PERSON TO ASK ON ALL
OF THIS IS STEVE GIBSON.

BUT LET ME MENTION A COUPLE OF
CHOICES FIRST.

SO THIS IS IN AN OFFICE, NOT THE HOME?

Angelo: THIS IS, OH, EVEN FOR THE HOME.

I MEAN YOU HAVE KIDS THE SAME
AGE AS ME, AND --

Leo Laporte: YEAH.

Angelo: IT CAN BE PRETTY
SCARY SOMETIMES.

Leo Laporte: AT HOME, I USE
AN iBOSS, WHICH IS A --
ACTUALLY, THEY HAVE THEM FOR OFFICES.

iBOSS IS FROM PHANTOM
TECHNOLOGIES, AND IT'S --

LET ME GET THE RIGHT SITE HERE, I-B-O --
MY I-B-O-S-S DOT COM.

AND WHAT IT IS IS --

THIS IS ACTUALLY WHAT A BIGGER
COMPANY WOULD DO, ONLY YOU'RE
USING THEIR SERVERS REMOTELY.

SO THE iBOSS IS A SMALL DEVICE
YOU PLUG INTO YOUR INTERNET ACCESS.

[Pop captions up]

Leo Laporte: IT'S REALLY
INTENDED FOR SMALL OFFICES WHO
DON'T HAVE A BIG I.T.

DEPARTMENT, AND THEN WHAT
HAPPENS IS EVERYTHING THAT'S

GOING THROUGH THE --
GOING TO THE OFFICE GOES THROUGH
THE PHANTOM TECHNOLOGY SERVERS,
WHERE THEY FILTER IT OUT.

[Pop captions down]

Leo Laporte: YOU HAVE CONTROL
BY IP ADDRESS OF WHAT SITES YOUR
EMPLOYEES CAN VISIT, WHAT THEY
CAN DO.
YOU CAN CONTROL, FOR INSTANCE,
IF THEY DO IM OR PEER-TO-PEER.
YOU CAN TURN OFF E-MAIL.
YOU CAN ABSOLUTELY FILTER EVERYTHING.
SO THIS IS WHAT I USE AT HOME
FOR THE KIDS, AND WHAT I DO IS I
SAY THEIR IP ADDRESSES CAN'T DO
ANYTHING, AND MY IP ADDRESS CAN
DO ANYTHING I WANT.

(Chuckling)

I'M MR. MEAN, MEAN!
SO THAT'S THE iBOSS.
THE NEGATIVE ON THIS, THERE ARE A COUPLE.
FIRST OF ALL, THERE'S A MONTHLY FEE.
SECOND OF ALL, IT DOES SLOW YOU
DOWN A LITTLE BIT BECAUSE YOU'RE
GOING THROUGH THEIR SERVERS
FIRST AND THEN COMING TO YOU,
ALL THE DATA.
THE POSITIVE IS CONFIGURATION
COULDN'T BE EASIER.
YOU DON'T HAVE TO BE AN EXPERT
TO DO IT.
I MEAN, YOU KNOW, THERE ARE LOTS

OF DEVICES.

WE TALK ON THE PODCAST ABOUT

astaro.com, WHICH MAKES A

SECURITY GATEWAY WHICH WILL DO

ALL OF THIS AS WELL, BUT YOU

HAVE TO --

YOU KNOW, REALLY IT'S FOR I.T. PROS.

I MEAN THIS IS A HIGH-END DEVICE.

THE YEARLY COST IS 79 EUROS.

IT'S MUCH LESS EXPENSIVE PER

MONTH, AND YOU HAVE ABSOLUTE

CONTROL OF EVERYTHING THAT'S

GOING ON LOCALLY, SO THERE'S NO

SLOWDOWN INVOLVED, BUT IF YOU'VE

EVER TRIED TO CONFIGURE A UTM,

YOU KNOW YOU HAVE TO KIND OF

KNOW WHAT YOU'RE DOING.

STEVE GIBSON IS HERE.

HE'S THE SECURITY EXPERT.

MAYBE, STEVE, YOU HAVE SOME

SUGGESTIONS FOR ANGELO.

Steve Gibson: THE ONE THING I

WAS GONNA SAY WAS I CERTAINLY

AGREE WITH YOU ABOUT PUTTING

TOGETHER A POLICY MANUAL FIRST.

[Pop captions up]

Steve Gibson: I WOULD ALSO

ADD A LITTLE NOTE ON THE TOP OF

EVERYONE'S SCREEN TO JUST --

I MEAN YOU REALLY WANT TO MAKE --

Leo Laporte: TO SAY "WE ARE MONITORING YOU."

Steve Gibson: EXACTLY.

YOU REALLY WANT TO MAKE SURE

THEY UNDERSTAND THAT.

THAT ALONE CAN ACTUALLY, YOU
KNOW, HAVE A POSITIVE EFFECT ON
THEM NOT SCREWING AROUND.

[Pop captions down]

Leo Laporte: YOU DON'T
ACTUALLY HAVE TO DO ANYTHING.
JUST TELL THEM YOU'RE --

(Laughing)

YOU'RE DOING SOMETHIN'.

Steve Gibson: AND THEN --
AND THEN YOU COULD DO SOMETHING
AS SIMPLE, FOR EXAMPLE, AS JUST
USING A CENTRALIZED HOSTS FILE,
BECAUSE HOSTS --

Leo Laporte: YOU COULD ALWAYS
JUST BLOCK INDIVIDUAL --

Steve Gibson: HOST FILES CAN
POINT TO ANOTHER MASTER HOST FILE.

Leo Laporte: RIGHT.

Steve Gibson: AND SO YOU
COULD JUST IN ONE LOCATION, IF
YOU WANTED TO SPECIFICALLY
EXCLUDE INDIVIDUAL SITES, YOU
JUST NULL THOSE OUT --

Leo Laporte: RIGHT.

(Indiscernible)

Steve Gibson: SO FACEBOOK AND
MYSPACE AND, YOU KNOW,
INDIVIDUAL SITES, YOU KNOW, THEY
JUST DIE, AND YOU SAY, "WE'RE
SORRY, BUT THAT'S, YOU KNOW, NOT
WHAT OUR MACHINES ARE FOR."

Leo Laporte: YOU KNOW,
UNFORTUNATELY, EMPLOYEES ARE
VERY GOOD AT GETTING AROUND THIS
STUFF, KIDS, TOO.
FOR INSTANCE, I CAN BLOCK
INSTANT MESSENGER TRAFFIC BY
JUST BLOCKING THE PORTS THAT AIM
USES, BUT THEN THEY JUST GO AND
USE THE WEB-BASED VERSION OF IT,
AND I CAN'T BLOCK PORT 80, OR
THEY WOULDN'T BE ABLE TO SURF AT ALL.

Steve Gibson: RIGHT.

Leo Laporte: AND THAT'S THE
PROBLEM IS THAT EVEN SOMETHING
LIKE YOU'RE SUGGESTING, USING
HOSTS, IF THEY'RE SMART ENOUGH
TO GO AND USE A PROXY SERVER OR
SOME OTHER TECHNOLOGY, THEY CAN
GET AROUND THAT EVEN, RIGHT?

Steve Gibson: RIGHT, ALTHOUGH
I WOULD SAY FROM A CORPORATE
STANDPOINT, IF YOU HAVE A POLICY
THAT THESE SITES ARE VERBOTEN,
AND YOU ENFORCE THAT WITH SOME
TECHNOLOGY, THEN ANYBODY WHO
GETS AROUND THAT --

Leo Laporte: THEY'RE IN TROUBLE.

Steve Gibson: REALLY, YOU CAN
REALLY HOLD THEM RESPONSIBLE FOR
THAT BEHAVIOUR.

Leo Laporte: THIS IS THE
ASTARO CONFIGURATION PAGE, AND,
YOU KNOW, I PROBABLY SHOULDN'T

SAY IT'S THAT HARD TO USE.
THIS IS PRETTY STRAIGHTFORWARD
IN TERMS OF CONTENT FILTERING.
YOU KNOW, YOU CAN SELECT
CATEGORIES, SO YOU DON'T EVEN
HAVE TO KNOW THE SITES DIRECTLY,
AND YOU CAN EDIT THESE BY
IP ADDRESS, OF COURSE.
YOU GET INSTANT MESSENGER,
PEER-TO-PEER BLOCKING.
YOU CAN CONTROL VoIP USAGE.
THE NICE THING ABOUT THE ASTARO
IS IT'S VERY, VERY POWERFUL.

Steve Gibson: AND IT'S WHAT I
WAS GONNA RECOMMEND.

Leo Laporte: YEAH.

[Pop captions up]

Steve Gibson: I MEAN I THINK
IT'S A GREAT SOLUTION.

Leo Laporte: YEAH.

WE SHOULD MENTION THEY ARE A
SPONSOR OF "SECURITY NOW," BUT
THAT'S NOT WHY WE RECOMMEND THEM.

(Laughing)

Steve Gibson: ALTHOUGH THAT
IS HOW WE KNOW ABOUT THEM.

[Pop captions down]

Leo Laporte: YEAH, YEAH,
THAT'S TRUE.

THAT IS HOW WE KNOW ABOUT THEM.

THE POLICY THING IS IMPORTANT
BUT NOT REQUIRED.

I'M NOT SURE WHAT THE LAWS ARE

IN CANADA AND AUSTRALIA, BUT IN THE STATES, COURTS HAVE VERY CONSISTENTLY UPHELD THAT AN EMPLOYER HAS THE RIGHT NOT ONLY TO BLOCK THESE SERVICES BUT WITHOUT WARNING, WITHOUT NOTIFICATION, MONITOR WHAT YOUR EMPLOYEES ARE DOING.

IT'S INTERESTING.

IN THE STATES, THAT'S VERY DIFFERENT FROM A PHONE CALL.

[Pop captions up]

Leo Laporte: IF YOU'RE A BOSS, AND YOU PICK UP THE PHONE AND LISTEN TO WHAT YOUR EMPLOYEE'S UP TO, THE MINUTE YOU HEAR IT'S PERSONAL, THE LAW IN THE STATES REQUIRES YOU TO HANG UP AND TO GET OFF THE PHONE. THE SAME LAWS IN THE STATES ALLOW YOU TO WATCH ANY TRAFFIC, PERSONAL OR NOT, ON THE INTERNET, SO IT'S TREATED VERY DIFFERENTLY.

[Pop captions down]

Leo Laporte: I'M NOT SURE WHAT THE CANADIAN LAWS ARE OR THE AUSTRALIAN LAWS. YOU'D HAVE TO CHECK YOUR LOCAL JURISDICTIONS TO MAKE SURE THAT YOU'RE ALLOWED TO DO THAT, BUT I WOULD BETCHA THAT THE COURTS HERE ARE VERY SIMILAR IN THEIR PROTECTION OF EMPLOYERS' RIGHTS,

AND THE REASON IS IT'S YOUR
EQUIPMENT, YOUR INTERNET, YOUR
WORK TIME.
YOU HAVE EVERY RIGHT TO TELL
YOUR EMPLOYEES WHAT THEY CAN AND
CANNOT DO.
SO THERE'S A COUPLE OF CHOICES.
THE iBOSS IS VERY EASY.

(Funky digital music)

Leo Laporte: YOU KNOW, WHEN
YOU ADD IT UP, IT'S MAYBE, I
THINK, 15 BUCKS A MONTH.
IT'S NOT MUCH MORE THAN THE
ASTARO, MUCH EASIER TO
CONFIGURE, NOT NEARLY AS POWERFUL.
THE ASTARO OR SIMILAR --
THERE ARE A LOT OF UTM'S.
THAT'S CALLED A UTM, AND THERE
ARE A LOT OF DEVICES LIKE THAT,
AND THEY ALL ARE ROUGHLY THE
SAME IN TERMS OF DIFFICULTY.
YOU KNOW, YOU HAVE TO --
YOU KIND OF HAVE TO READ THE
MANUAL TO FIGURE IT OUT.
I HAVE A 120, AND I FIGURED IT OUT.
BUT THE POWER THAT THEY OFFER
YOU AND THE FLEXIBILITY IS UNPARALLELED.
I MEAN THAT'S REALLY --
THAT'S WHAT BIG BUSINESS USES
VERY, VERY EFFECTIVELY.
HEY, THANKS FOR THE CALL, ANGELO.

Angelo: THANK YOU.

Leo Laporte: LET'S MAKE SURE

THAT KATE AND BILL ARE STILL HERE.

GOOD.

THEY HAVEN'T WON THE LOTTERY YET.

[Pop captions up]

Leo Laporte: SO COMING UP, BILL JELEN --

(Laughing)

LOTTERY LOSER BILL JELEN COMING UP.

HE'S GONNA TALK ABOUT FILTERING

DATA IN EXCEL 2007.

YOU STAY RIGHT HERE.

[MUSIC]

WE'LL HAVE A LOT MORE FUN RIGHT

AFTER THIS.

[MUSIC]

[Pop captions down]

COMMERCIAL

(Theme music playing)

Leo Laporte: WELCOME BACK TO "THE LAB."

I'M SO GLAD TO WELCOME

BILL JELEN, MR. EXCEL, BACK!

HE'S FROM mrexcel.com, AND HE

HAS HIS NEW BOOK.

Bill Jelen: YES!

Leo Laporte: IT'S JUST BRAND

NEW, "LEARN EXCEL 2007"

"FROM MR. EXCEL," ALTHOUGH

IT SAYS "FROM ALL VERSIONS OF EXCEL."

Bill Jelen: IT DOES COVER ALL VERSIONS --

Leo Laporte: EVERY VERSION.

Bill Jelen: BECAUSE NOT EVERYONE IS UPDATED.

Leo Laporte: LOOK AT THIS.

HOW MANY PAGES ARE --

Bill Jelen: SOMEWHERE OVER 900.

Leo Laporte: AND GUESS WHAT!
YOU CAN DOWNLOAD THE ENTIRE
THING FOR FREE.

Bill Jelen: FOR FREE!

Leo Laporte: ONLINE.

Bill Jelen: ABSOLUTELY.

Leo Laporte: mrexcel.com.
AND I THINK THAT'S SENSIBLE
BECAUSE IT'S A GREAT WAY TO LOOK
AT THE BOOK, TO USE IT AS A
REFERENCE, BUT ULTIMATELY YOU'RE
GONNA WANT TO BUY IT BECAUSE,
YOU KNOW, IT'S GOT LIE-FLAT
PAGES, AND YOU CAN LOOK AT IT,
AND YOU CAN READ IT, AND THIS IS
THE ONLY WAY TO REALLY EFFECTIVELY --
AND NOBODY'S GONNA PRINT THIS OUT!
IT'D BE CHEAPER TO BUY THE BOOK!

(Laughing)

Bill Jelen: YES, IT WOULD.

Leo Laporte: RIGHT?

Bill Jelen: IT WOULD.

AND IF PEOPLE WANT TO JUST USE
THE eBook, THAT'S GREAT.
I WANT TO GIVE AWAY FIVE MILLION
COPIES OF THIS BOOK.

Leo Laporte: REALLY?

Bill Jelen: THAT'S MY GOAL.

Leo Laporte: YES, SIR!

Bill Jelen: SO TELL YOUR FRIENDS.

Leo Laporte: mrexcel.com, AND
YOU CAN DOWNLOAD THE WHOLE BOOK
FOR FREE.

NOW, MR. EXCEL ALWAYS SHOWS US
COOL THINGS.

YOU'VE BEEN HERE TALKING ABOUT
2007 FOR OVER A YEAR NOW.

Bill Jelen: RIGHT.

Leo Laporte: YOU'VE REALLY
HAD A CHANCE TO BANG ON IT.
DO YOU USE IT DAY IN AND DAY OUT?
IS THAT NOW YOUR EXCEL?

Bill Jelen: AH, YOU'VE CAUGHT
THE QUESTION.

[Pop captions up]

BILL Jelen: IN REAL LIFE, I
STILL USE EXCEL 2003.

Leo Laporte: REALLY?

Bill Jelen: WHEN I NEED A NEW
FEATURE, I GO TO EXCEL 2007.

Leo Laporte: BUT IS IT THE
RIBBON THAT'S TURNING YOU OFF?
WHAT IS IT?

Bill Jelen: ACTUALLY, NO, THE
RIBBON IS FINE.

I UNDERSTAND THE RIBBON INSIDE
AND OUT.

[Pop captions down]

Leo Laporte: OKAY.

Bill Jelen: IT'S JUST --

Leo Laporte: YOUR FINGERS ARE
USED TO EXCEL 2000 --

Bill Jelen: EXACTLY.

Leo Laporte: 2000.

Bill Jelen: EXACTLY, YEAH.

Leo Laporte: SO 2003.

[Pop captions up]

Leo Laporte: SO THIS IS
EXCEL 2007 WE'RE USING HERE.

Bill Jelen: RIGHT, AND WE'RE
GONNA TALK ABOUT FILTERING TODAY.
SO WE HAVE A HUGE DATA SET, 500,
5,000, 50,000 ROWS, AND WE'VE
ALWAYS BEEN ABLE TO FILTER IN EXCEL.

[Pop captions down]

Leo Laporte: RIGHT.

Bill Jelen: THEY USED TO HAVE
SOMETHING CALLED THE "AUTOFILTER."

Leo Laporte: RIGHT.

Bill Jelen: RIGHT?

WELL, NOW THEY JUST RENAMED IT "FILTER."

Leo Laporte: (Laughing)

Bill Jelen: LIKE "AUTOSHAPES"
BECAME "SHAPES" --

Leo Laporte: "SHAPES."

Bill Jelen: "AUTOFILTER" BECAME "FILTER."

Leo Laporte: MAYBE "AUTO"
SUED OR SOMETHING.

WHO KNOWS?

(Both laughing)

Bill Jelen: THAT COULD BE.

Leo Laporte: ANYONE WHO'S
NAMED THAT.

Bill Jelen: THAT COULD BE.

AND SO I HAVE A DATA SET HERE TODAY.
I HAVE 500 ROWS OR SO, AND IT'S
VERY SIMPLE.

I'M GONNA GO TO THE DATA TAB
WITH THE RIBBON --

Leo Laporte: OKAY.

Bill Jelen: AND CHOOSE "FILTER."

AND JUST LIKE BEFORE, WE GET THESE LITTLE DROP-DOWNS AT THE TOP, BUT THEY'VE DRAMATICALLY IMPROVED THE DROP-DOWNS.

SO LET'S SAY THAT I WANT TO SEE, YOU KNOW, JUST ONE CUSTOMER. MAYBE I WANT TO SEE JUST, YOU KNOW, EXXON OR FORD.

Leo Laporte: THIS IS SO USEFUL FOR MINING YOUR DATA.

Bill Jelen: RIGHT.

SO NOW I SEE JUST THOSE RECORDS FOR THAT ONE CUSTOMER. NOW LET ME CHOOSE A SMALLER CUSTOMER HERE THAT HAS FEWER RECORDS.

(Mutters)

Leo Laporte: YOU'VE GOT BOTH EXXON.

Bill Jelen: YEAH, THERE WE GO.

(Both talking at once)

Bill Jelen: NOW HERE'S A COOL TRICK. THIS IS A TRICK FROM THE NEW BOOK. LET'S SAY THAT WE NEED TO SEE A TOTAL OF THE SELECTED RECORDS.

Leo Laporte: OKAY.

Bill Jelen: ALL RIGHT, SO I HAVE TO APPLY THE FILTER FIRST. THAT'S THE -- THAT'S THE TRICK.

Leo Laporte: YOU CAN'T -- OBVIOUSLY YOU CAN'T -- IF YOU PUT THE TOTAL ON BEFORE,

YOU'D GET EVERYBODY.

Bill Jelen: RIGHT.

AND THEN I USE THE AUTOSUM
BUTTON, WHICH NORMALLY WILL GIVE
ME A SUM FUNCTION.

Leo Laporte: IT'S NOT CALLED "SUM?"
IT'S CALLED "AUTOSUM?"

Bill Jelen: YEAH.

(Laughing)

Leo Laporte: THANK YOU, MICROSOFT.

Bill Jelen: YEAH.

Leo Laporte: OKAY.

Bill Jelen: THEY DIDN'T GET
RID OF THAT ONE.

[Pop captions up]

Bill Jelen: WHAT'S INTERESTING IS INSTEAD OF
GETTING A SUM FUNCTION HERE LIKE
THE AUTOSUM BUTTON NORMALLY
DOES, IT GIVES ME THIS SPECIAL
FUNCTION THAT SHOWS ME THE TOTAL
OF THE VISIBLE CELLS.

Leo Laporte: VISIBLE, OKAY.

Bill Jelen: SO THESE ARE 39,000.
NOW, IF I CHOOSE ANOTHER CUSTOMER --

Leo Laporte: THAT WILL CHANGE.

Bill Jelen: IT'LL CHANGE
TO -- LET'S SCROLL DOWN -- 445,000.

[Pop captions down]

Leo Laporte: OKAY, SO IT'S
WHATEVER'S VISIBLE.

Bill Jelen: EXACTLY.

Leo Laporte: BUT IT'S THE
RESULT OF THE FILTER, SO YOU'RE

GETTING THE FILTERED INFORMATION.

Bill Jelen: IT'S A GREAT WAY
TO CREATE A LITTLE AD HOC QUERY
KIND OF THING.

Leo Laporte: YEAH, YEAH.

Bill Jelen: SO THAT'S KIND OF
NEW, THIS --
AND ALSO THE ABILITY TO SELECT
MULTIPLE CUSTOMERS.

YOU COULD ALWAYS BEFORE --

Leo Laporte: HALLELUJAH!

Bill Jelen: YOU COULD SELECT
TWO, BUT YOU COULDN'T DO THREE.

Leo Laporte: YEAH.

Bill Jelen: SO WE HAVE THAT.
AND THEN THEY'VE ADDED A WHOLE
BUNCH OF NEW, WHAT I CALL
"VIRTUAL FILTERS."

SO INSTEAD OF SELECTING ONE
PARTICULAR CUSTOMER, I CAN NOW
SAY, "HEY, I WANT ANYONE THAT
HAS, CONTAINS 'BANK' OR
SOMETHING LIKE THAT."

Leo Laporte: SO THIS IS
ALMOST LIKE A FANCY USE OF "LOOKUP."

Bill Jelen: A LITTLE BIT, YEAH.

Leo Laporte: THAT'S NICE.
I COULD NEVER GET LOOKUP TO DO
EXACTLY WHAT I WANT.
THIS WOULD MAKE IT MUCH EASIER.

Bill Jelen: EXACTLY.

Leo Laporte: YEAH.

Bill Jelen: AND THEN DATES.

DATES USED TO DRIVE ME CRAZY
BECAUSE THIS IS TRANSACTIONAL
DATA, SO THERE'S DAILY DATES.

Leo Laporte: RIGHT.

[Pop captions up]

Bill Jelen: IT USED TO BE YOU
WOULD OPEN THE AUTOFILTER, AND
IT WOULD GIVE YOU A LIST OF ALL
300 DATES IN THE YEAR.

Leo Laporte: (Laughing)

NO!

Bill Jelen: RIGHT?

Leo Laporte: NO, NO.

Bill Jelen: WELL, NOW THEY'VE
GOTTEN COMPLETELY SMART ABOUT IT.
THEY HAVE THIS TREEVIEW.

Leo Laporte: YEAH.

Bill Jelen: AND SO I CAN GO
AND SAY, YOU KNOW, "HEY, I ONLY
WANT TO SEE JANUARY," OR EVEN IN
ALL THESE VIRTUAL FILTERS,
EVERYTHING NEXT WEEK OR
EVERYTHING LAST MONTH OR LAST QUARTER.

Leo Laporte: YOU WOULDN'T
THINK THEY COULD --
YOU KNOW, HOW MANY VERSIONS OF
EXCEL HAVE THERE BEEN?
YOU KNOW, SEVEN OR EIGHT, RIGHT?

Bill Jelen: WELL, THIS IS 12.

Leo Laporte: 12?

YOU WOULDN'T THINK THEY COULD
CONTINUALLY COME UP WITH
IMPROVEMENTS, BUT THEY DO!

Bill Jelen: NO, YEAH, THIS IS --

Leo Laporte: THAT'S REALLY GOOD!

Bill Jelen: RIGHT.

Leo Laporte: THAT'S A BIG IMPROVEMENT.

Bill Jelen: NOW, HERE'S THE ONE THAT WHEN I HEARD ABOUT IT, I SAID, "I DON'T QUITE UNDERSTAND THIS," BUT AS I GO AROUND TO DO MY SEMINARS, I FIND A LOT OF PEOPLE WHO WILL GO THROUGH AND MARK CELLS IN A PARTICULAR COLOUR, ALL RIGHT? SO, "HEY, I'M INTERESTED IN THIS CELL -- I'M GONNA CHANGE THE COLOUR OF THAT CELL TO RED OR YELLOW --"

Leo Laporte: THAT'S FOR THE BOSS BECAUSE THE BOSS LIKES TO SEE THE NEGATIVES IN RED OR WHATEVER.

Bill Jelen: OR WHATEVER. BUT THEN HOW DO WE DO ANYTHING WITH THAT? HOW DO WE --

Leo Laporte: THAT LOOKS LIKE A CHRISTMAS TREE.

(Laughing)

Bill Jelen: HOW DO WE TOTAL THE RED CELLS, OR HOW DO WE --

Leo Laporte: OH, YEAH!

Bill Jelen: RIGHT?

Leo Laporte: THEY'RE ALL VISIBLE.

Bill Jelen: OKAY, SO THEY GAVE US THIS BRAND NEW OPTION UNDER THE FILTER THAT SAYS WE

CAN FILTER BY COLOUR --

Leo Laporte: OH, WOW!

Bill Jelen: "AND I ONLY WANT
TO SEE THE RED CELLS."

Leo Laporte: HEY, THAT'S REALLY HANDY.

Bill Jelen: THAT IS PRETTY COOL.

Leo Laporte: YEAH.

Bill Jelen: RIGHT?

AND SO EVEN IF YOU'VE APPLIED
THE COLOURS BASED ON CONDITIONAL
FORMATTING --

Leo Laporte: RIGHT.

Bill Jelen: YOU CAN GO THROUGH NOW --

Leo Laporte: SO IF YOU'RE
AGING, DOING AGINGS OR
SOMETHING, YOU COULD DO THIS,
VERY QUICKLY FIND ALL THE OVERDUE --

Bill Jelen: ABSOLUTELY.

AND YOU CAN ALSO, YOU CAN SORT
BY COLOUR, SO IF YOU NEEDED TO
SORT ALL THE RED CELLS TO THE
TOP, YOU COULD DO THAT.

Leo Laporte: WOW!

I LIKE THAT!

Bill Jelen: YEAH, WHEN I
FIRST HEARD THAT, I SAID, "WELL,
THAT'S REALLY SILLY," BUT AS I
GO AROUND, THAT'S ONE THAT
PEOPLE SAY --

Leo Laporte: PEOPLE USE IT.

Bill Jelen: "OH, YEAH, I CAN
DO THAT, I CAN DO THAT."

Leo Laporte: YEAH.

Bill Jelen: AND THEN THE LAST
NEW FILTER THEY HAVE IS UNDER
THE NUMBER FILTERS.
WE USED TO BE ABLE TO DO A
"TOP 10" REPORT, BUT NOW WE CAN
SAY "EVERYTHING THAT'S ABOVE AVERAGE."

Leo Laporte: (Laughing)

Bill Jelen: SO, YOU KNOW...

Leo Laporte: LIKE OUR CHILDREN.

(Both laughing)

Bill Jelen: YEAH, EXACTLY, EXACTLY.

Leo Laporte: (Laughing)

Bill Jelen: OR, YOU KNOW,
EVERYTHING IN THE TOP FIVE OR
TEN PERCENT OR SOMETHING LIKE THAT.

Leo Laporte: THAT'S GREAT,
"EVERYTHING THAT'S ABOVE AVERAGE."

WE --

I NEED THAT FILTER.

(Laughing)

[Pop captions down]

Leo Laporte: THAT'S GREAT.

Bill Jelen: THERE WE HAVE IT.
IT'S THE SAME BASIC FUNCTIONALITY.
IT USED TO BE CALLED "AUTOFILTER."
IT'S NOW "FILTER."

YOU'LL FIND IT ON THE DATA TAB
OF THE RIBBON, AND LOTS OF GREAT
NEW FUNCTIONALITY --

Leo Laporte: DO YOU FIND NOW
WHEN YOU'RE USING EXCEL 2003 YOU
GO, "OH, DRAT, I FORGOT IT
DOESN'T DO THAT?"

Bill Jelen: IT'S FUNNY.

I'M STILL USING THE CORE FEATURES.

Leo Laporte: YOU'RE SO --

YEAH, AND THAT'S TRUE OF EVERYBODY.

Bill Jelen: YEAH.

Leo Laporte: 90% OF EXCEL

USAGE IS PROBABLY, YOU KNOW, THE

TOP 10 FEATURES BECAUSE THOSE

ARE THE ONES EVERYBODY USES, RIGHT?

Bill Jelen: YEAH, THAT'S RIGHT.

Leo Laporte: YEAH.

Bill Jelen: SO IT'S GOOD.

YOU KNOW, WHEN YOU ASKED ABOUT

THE RIBBON, A LOT OF PEOPLE SAY,

"OH, I DON'T WANT TO SWITCH

BECAUSE OF THE RIBBON," BUT

REALLY YOU GET OVER THE RIBBON

IN A COUPLE OF DAYS.

Leo Laporte: I THINK IT'S

ACTUALLY A GOOD IDEA, ONCE

YOU'RE USED TO IT.

Bill Jelen: THEN I RUN INTO

PEOPLE WHO ARE COMPLETELY NEW TO

EXCEL, AND THEY LOVE THE RIBBON --

Leo Laporte: OH, YEAH.

Bill Jelen: BECAUSE THEY

NEVER KNEW THE OLD WAY.

Leo Laporte: IT MAKES IT SO

MUCH EASIER TO FIND WHAT YOU'RE

LOOKING FOR, SO FOR NOVICES, I

THINK IT'S PARTICULARLY OF REAL USE.

IT'S THE PROS LIKE YOU, WHO ARE

USED TO THESE KEYSTROKES, YOU

KNOW WHAT'S THERE, AND YOU WANT
IT TO BE THE SAME WAY.

YOU DON'T WANT IT TO CHANGE.

Bill Jelen: THE FRUSTRATING --
THEY ADDED THIS ABILITY TO USE
THE OLD KEYSTROKES.

Leo Laporte: RIGHT.

Bill Jelen: OKAY?
BUT THERE'S A DELAY.
SO IT USED TO BE THAT I WOULD
USE "ALT-E-I-J," EDIT, FILL, JUSTIFY.
IF I FIRE THAT OFF REALLY FAST --

Leo Laporte: IT HAS TO THINK.

Bill Jelen: IT DOESN'T --
IT DOESN'T CATCH IT.
YOU HAVE TO DO THE FIRST LETTER,
"ALT-E," AND THEN KIND OF DO THE
REST OF IT.

Leo Laporte: YEAH.

Bill Jelen: SO --

Leo Laporte: THIS GUY IS LIKE --
YOU SHOULD SEE HIM.
HE GOES LIKE THIS, AND HE'S LIKE THIS.
IT'S AMAZING.

YOU KNOW, IF YOU WANT TO BE A
POWER USER LIKE MR. EXCEL, GET
THE BOOK, "LEARN EXCEL"
"2007," THE BRAND NEW
EDITION FROM MR. EXCEL,
"377 EXCEL MYSTERIES SOLVED,"
900-PLUS PAGES.

[Pop captions up]

Leo Laporte: YOU CAN GET IT

ONLINE FROM HOLY MACRO BOOKS, AT
BOOKSTORES, OF COURSE,
amazon.com, OR DOWNLOAD IT FREE --

Bill Jelen: JUST DOWNLOAD IT FOR FREE.

Leo Laporte: AT MR. EXCEL.

YOU DON'T EVEN WANT --

YOU'RE NOT EVEN TRYING TO SELL
IT NOW!

Bill Jelen: IF IT'S NOT THE
BEST EXCEL BOOK YOU'VE EVER
SEEN, I DON'T WANT YOUR MONEY.

Leo Laporte: THERE YOU GO.

AND IF IT IS, THEN BUY IT.

[Pop captions down]

Bill Jelen: (Laughing)

YEAH, THEN I DO WANT YOUR MONEY.

Leo Laporte: THAT'S FAIR.

THEN GIVE HIM HIS MONEY.

MR E-X-C-E-L DOT COM.

THANK YOU, BILL.

Bill Jelen: THANKS, LEO.

Leo Laporte: IT'S GREAT TO
SEE YOU, AND THANKS FOR THE
LEPRECHAUN COINS.

THEY'VE ALL DISAPPEARED.

I DON'T KNOW WHERE THEY
COULD'VE --

(Both laughing)

Leo Laporte: COULD'VE GONE.

ALL RIGHT, WE'RE GONNA HAVE MORE
OF YOUR CALLS IN JUST A BIT, BUT
RIGHT NOW A CLOSE-UP LOOK AT
SOMETHING YOU'D FIND AROUND THE STUDIO.

WHAT IS THAT?

MAYBE EVEN MR. EXCEL IS PUZZLED.

HMM!

WELL, I'LL TELL YOU WHAT.

STICK AROUND.

WE'LL ZOOM OUT AND FIND OUT WHEN

"THE LAB" CONTINUES RIGHT

AFTER THIS.

(Funky digital music)

COMMERCIAL

(Driving digital music)

Leo Laporte: WELCOME BACK TO "THE LAB."

BEFORE THE BREAK, WE SHOWED YOU

THIS CLOSE-UP OF SOMETHING.

[Pop captions up]

Leo Laporte: IT LOOKS LIKE...

A PLASMA... SPEAKER SYSTEM!

THAT'S IT!

I HOPE YOU GOT THAT BECAUSE I

DIDN'T.

THE GRIFFIN EVOLVE SPEAKERS,

WE'RE GONNA BE TALKING ABOUT

THOSE A LITTLE LATER ON WITH

CALI LEWIS.

[Pop captions down]

Leo Laporte: SHE'S GONNA GIVE

US OUR DEMO.

BUT BEFORE WE DO THAT, LET'S GET

ANOTHER CALLER ON THE AIR,

KATE ABRAHAM, WHO HAD TOO MUCH

TO DREAM LAST NIGHT, I

UNDERSTAND.

Kate Abraham: TOO MUCH SLEEP

LAST NIGHT.

Leo Laporte: YOU CAN HAVE TOO MUCH SLEEP, CAN'T YOU?

Kate Abraham: YEAH, IF YOU'RE ALREADY KIND OF -- I'M JUST A LITTLE BIT SLEEPY TODAY.

Leo Laporte: SHE'S RELAXED.

Kate Abraham: JUST CHILL.

Leo Laporte: RELAXED.

IT'S ALSO THE RAIN.

THE RAIN'S VERY RELAXING.

Kate Abraham: IT RAINS ALL THE TIME.

Leo Laporte: YEAH.

Kate Abraham: ANYHOW, WE ARE GOING TO SARNIA IN ONTARIO, AND WE HAVE BILL ON THE LINE.

Leo Laporte: HEY, BILL, HOW ARE YA?

Bill: GOOD.

HOW ARE YOU?

Leo Laporte: I'M GOOD.

IS IT SUNNY IN SARNIA?

[Pop captions up]

Bill: IT SNOWED THE OTHER DAY.

Leo Laporte: YEAH.

Bill: WE GOT A WHACK OF SNOW.

Leo Laporte: OH, IT'S STILL THERE, TOO, I BETCHA.

Bill: OH, IT IS.

[Pop captions down]

Leo Laporte: WHAT CAN --

(Laughing)

WHAT CAN I DO FOR YOU TODAY?

Bill: YEAH, I'M HAVING A

PROBLEM WITH A WEBCAM ON AN ACER COMPUTER.

Leo Laporte: OKAY.

Bill: AND IT'S RUNNING VISTA WINDOWS.

Leo Laporte: OKAY.

Bill: AND THE PROBLEM IS IS
THAT THE CAMERA DOESN'T WORK.

Leo Laporte: YEAH, THAT'S
VERY COMMON.

FOR SOME REASON, VISTA HAS A LOT
OF TROUBLE WITH WEBCAMS.

WHO MAKES YOUR WEBCAM?

Bill: IT'S A BISON CAM.

Leo Laporte: IT'S WHAT?

Bill: BISON?

Leo Laporte: BISON?

(Chuckling)

Bill: YEAH.

Leo Laporte: THERE'S YOUR
PROBLEM RIGHT THERE.

THAT'S A BUNCH OF BULL!

NO, I THINK THAT IT'S PROBABLY
UP TO BISON TO GET YOU A VISTA
DRIVER, WOULD BE MY GUESS.

IT TOOK AWHILE FOR ALL OF THE --
INCLUDING, IRONICALLY,
MICROSOFT'S OWN WEBCAM DIDN'T
WORK FOR QUITE A FEW MONTHS
AFTER VISTA FIRST CAME OUT.

SO WHAT YOU WANT TO DO IS GET A
VISTA DRIVER.

[Pop captions up]

Leo Laporte: THIS IS A BIG
PROBLEM WITH A LOT OF CAMS.

LET ME JUST SEE IF BISON HAS A
VISTA DRIVER.

HAVE YOU CHECKED?

Bill: YEAH, I DOWNLOADED A
REGISTRY FILE FROM ACER FOR IT,
AND IT WAS FOR WINDOWS VISTA,
BUT IT STILL DOESN'T WORK.
WHAT IT DOES IS WHEN YOU INSTALL
IT, THE PICTURE COMES UP, AND
YOU CAN SEE THE MOVEMENT IN THAT --

Leo Laporte: YEAH?

Bill: BUT IT LOOKS LIKE, KIND
OF LIKE AN OIL SLICK.

Leo Laporte: (Laughing)

[Pop captions down]

Bill: IT LOOKS LIKE AN OIL
SLICK, LIKE A HALO AROUND YOUR --

Leo Laporte: THAT'S NOT RIGHT!

(Laughing)

Bill: NO, AND THE IMAGE IS
ALL BLACK, SO --

Leo Laporte: UH, INTERESTING.
I SEE NOW THIS REGISTRY FIX.
NOW, YOU NEED A DRIVER THAT GOES
WITH IT.

Bill: YES.

Leo Laporte: SO I'M ON A BLOG POSTING HERE.
ACTUALLY, IT'S ON THE ASUS FORUMS.
IT LOOKS LIKE THERE ARE A LOT OF
OTHER PEOPLE HAVING TROUBLE WITH
THE BISON, WHICH IS THE --
IT'S THE ACER CAMERA, RIGHT?
IS THAT --

OR ASUS CAMERA THAT THEY USE IN
THE ASUS?

Bill: NO, NO, ACER, A-C-E-R.

Leo Laporte: ACER, OKAY.

Bill: YEAH.

BUT THE LAST I SAW, THERE WAS
LIKE ABOUT --
IT HAD TO HAVE BEEN 18 HUNDRED
PEOPLE HAVING PROBLEMS WITH IT
BECAUSE OF THE WINDOWS VISTA PACKAGE.

Leo Laporte: OH, YEAH!

I MEAN IT'S --
A LOT OF HARDWARE DOESN'T WORK
WITH VISTA.
UNDERSTAND THAT MICROSOFT DOES
WHAT IT CAN TO MAKE WINDOWS WORK
WITH LEGACY, THAT IS, PRE-VISTA
HARDWARE AND SOFTWARE, BUT
THERE'S A LOT OF PROGRAMS AND A
LOT OF HARDWARE, AND NOT ALL OF
IT WILL WORK, AND GENERALLY
MICROSOFT REQUIRES SOME
COOPERATION FROM THE COMPANY
THAT MADE THE HARDWARE.
IN THIS CASE, YOU KNOW, YOU
CAN'T REALLY BLAME MICROSOFT.
I THINK BISON HAS TO COME UP WITH IT.
SO I DON'T KNOW IF THIS IS THE
POST YOU'RE TALKING ABOUT, BUT
THIS IS ON dandar3.blogspot.com,
AND HE SAYS HE'S FINALLY GOT HIS
BISON WORKING, USING A DRIVER
HERE FROM msi.com, AND THEN --

AND THIS IS THE REGISTRY HACK.
DID YOU UPDATE THE DRIVER AS
WELL AS DO THE REGISTRY HACK?

Bill: YES, I DID.

Leo Laporte: HMM...

Bill: BUT IT DOESN'T DO ANYTHING.

Leo Laporte: IT DOESN'T DO ANYTHING.

[Pop captions up]

Leo Laporte: NOW, THIS IS ON
AN ASUS AS OPPOSED TO ACER, AND
IT MAY BE THAT THE MODEL IS
DIFFERENT OR THE WAY ASUS HAS
IMPLEMENTED IT IS DIFFERENT.
IS YOUR BISON BUILT INTO THE ACER?

Bill: YEAH.

Leo Laporte: YEAH.

Bill: IT'S RIGHT INTO THE SCREEN.

[Pop captions down]

Leo Laporte: YEAH.

WELL, ALL I CAN SAY IS I
REMEMBER THAT THIS WAS A
PROBLEM, AND, YOU KNOW, LOGITECH
UPDATED THEIR DRIVERS.
A LOT OF COMPANIES NOW, IF
YOU'RE BUYING A WEBCAM FOR A
VISTA MACHINE, YOU ABSOLUTELY
SHOULD MAKE SURE THAT YOU GET
ONE THAT SAYS, YOU KNOW,
"VISTA CERTIFIED" ON IT, AND
THIS IS THE REASON I TELL MOST
PEOPLE NOT TO UPGRADE FROM XP.
IF YOU HAVE A MACHINE LIKE YOURS
THAT WAS DESIGNED TO WORK WITH

XP, AND YOU UPGRADE TO VISTA,
THESE THINGS ARE GONNA HAPPEN,
AND I DON'T HAVE ANY EXTRA
SOLUTIONS FOR YOU.

I MEAN IT'S RIDICULOUS THAT YOU
HAVE TO EVEN DO A REGISTRY HACK
AND A DRIVER UPDATE.

CLEARLY, BISON HASN'T RELEASED A
VISTA-COMPATIBLE DRIVER THAT
WORKS FOR YOUR HARDWARE.

I'D JUST KEEP ON 'EM, KEEP
CALLING ACER AND KEEP CALLING
BISON, SAYING, "WHERE'S OUR
DRIVER, WHERE'S OUR DRIVER?"

(Lively digital music)

Leo Laporte: I HAVE A DELL
WITH A BUILT-IN CAMERA THAT I
UPDATED TO A VISTA, AND FOR
AWHILE, IT DIDN'T HAVE THE
CAMERA DRIVER, AND THEN
EVENTUALLY, IT DID, SO I THINK
YOU COULD PROBABLY EXPECT, IF
IT'S A LATE MODEL COMPUTER, IF
IT'S MADE IN THE LAST COUPLE OF
YEARS, THAT ACER WILL UPDATE IT,
BUT IT'S UP TO THEM.

THEY HAVE TO PUT OUT A DRIVER
FOR IT, AND IN GENERAL, MY
ADVICE NOW IS IF YOU'RE GETTING
A NEW COMPUTER, AND YOU DON'T
HAVE A LOT OF OLD HARDWARE LIKE
PRINTERS OR OLD SOFTWARE YOU
NEED TO USE, VISTA'S OKAY, BUT

FOR MOST PEOPLE, XP IS STILL THE
OPERATING SYSTEM OF CHOICE.
IT'S MATURE.
IT'S BEEN PATCHED SO THAT IT'S SECURE.
MICROSOFT STILL SUPPORTS IT.
THEY STILL SELL IT.
THEY WERE BACKING --
THEY WERE GONNA STOP SELLING IT
BY NOW, AND THEY BACKED OFF OF
THAT BECAUSE NOBODY WANTS VISTA!
IF YOU HAVE EXISTING HARDWARE OR
SOFTWARE, STICK WITH XP.
THERE'S NO REASON NOT TO UNLESS
YOU'RE HAVING A LOT OF PROBLEMS
WITH IT.
I'M SORRY TO SAY THAT'S THE ONLY
ANSWER TO THAT QUESTION IS
YOU'VE GOTTA WAIT FOR NOW FOR
THEM TO UPDATE THE DRIVERS.
UH...
(Chuckling)
SEAN CARRUTHERS IS HERE, DOING
HIS GEORDI IMPRESSION.
WHAT ARE YOU --
WHAT ARE YOU DOING THERE?
Sean Carruthers: OH, SORRY.
I'M JUST FINISHING UP ON SOME OF
MY E-MAIL OVER HERE.
Leo Laporte: YOU'RE NOT!
THAT'S NOT A COMPUTER MONITOR!
THOSE ARE --
THAT'S A VISOR!
CAN YOU SEE ME WHEN I POINT AT

YOU LIKE THAT?

Sean Carruthers: I CAN NOW.

Leo Laporte: SO --

OH, OKAY, SO IT'S NOT A
HEAD'S UP DISPLAY?

Sean Carruthers: NO, THIS IS THE --

Leo Laporte: YOU'RE BLIND
WHEN YOU'RE WEARING THAT.

[Pop captions up]

Leo Laporte: LET ME TRY IT,
LET ME TRY IT!

Sean Carruthers: THIS IS FROM HEADPLAY.

Leo Laporte: UH-UH-UH!

Sean Carruthers: IT'S THE
PERSONAL CINEMA DISPLAY, AND IT'S --
[Pop captions down]

Leo Laporte: OH, YOU CAN SEE
THE COMPUTER SCREEN.

Sean Carruthers: YOU CAN SEE
MY COMPUTER SCREEN.
I'VE ACTUALLY SET THIS UP AS A
SECONDARY MONITOR ON MY COMPUTER.

Leo Laporte: WOW!

Sean Carruthers: YOU CAN SEE
I CAN JUST SLIDE THINGS ONTO
YOUR MONITOR OFF OF MY OWN HERE.

Leo Laporte: IT'S NOT AS
CLEAR AS A MONITOR WOULD BE.

Sean Carruthers: YOU CAN SEE THAT.
NO ONE ELSE CAN.

[Pop captions up]

Leo Laporte: THIS WOULD BE
LESS GOOD FOR COMPUTING AND

BETTER FOR MOVIES, RIGHT, BECAUSE --

Sean Carruthers: NO, IT'S DESIGNED FOR MOVIES, AND IT'S
DESIGNED FOR USE WITH THE COMPUTER.

IT'S GOT USB PORTS ON THE SIDE
SO THAT YOU CAN ACTUALLY STREAM
MOVIES AND PHOTOGRAPHS AND
THINGS LIKE THAT FROM A KEY, AND
THERE'S ALSO A FLASH CARD SLOT, SO --

[Pop captions down]

Leo Laporte: WHOA, SO YOU
COULD PUT A FLASH CARD IN THIS?

Sean Carruthers: YEAH.

Leo Laporte: BY THE WAY, IS
IT ONLY POLKA DOT?

Sean Carruthers: UH, YEAH --

Leo Laporte: DOES IT COME IN OTHER --
OKAY.

(Both talking at once)

Sean Carruthers: IT ALL COMES
THROUGH THIS CONTROL PANEL
ACTUALLY, SO THERE'S USB PORTS --

Leo Laporte: WAIT A MINUTE.
YOU DON'T CARRY THIS AROUND.
OKAY, SO YOU'RE NOT WEARING THIS AROUND.

Sean Carruthers: NO, THIS --

Leo Laporte: THIS IS FOR HOME.

Sean Carruthers: YOU CAN TAKE
THIS WITH YOU, BUT IT DOES HAVE
A BATTERY PACK HERE, AND I
SHOULD MENTION THAT PEOPLE OUT
THERE AREN'T ABLE TO SEE WHAT
WE'RE DOING BECAUSE IT'S PERSONAL.
IT'S ALL INSIDE THAT DISPLAY.

Leo Laporte: YEAH, THERE'S --
WELL, I MEAN IT LOOKS LIKE A
COMPUTER SCREEN.

Sean Carruthers: RIGHT.

Leo Laporte: JUST SO YOU KNOW.
IT'S NOT AS CLEAR AS YOUR
COMPUTER SCREEN.

IT'S NOT AS HIGH RESOLUTION.
WHAT'S THE RES, THE NATIVE
RESOLUTION IN HERE?

Sean Carruthers: YOU CAN GET
IT UP TO ABOUT 1024 BY 768.

Leo Laporte: OKAY.

Sean Carruthers: SO IT'S NOT
SUPER-HIGH RES, BUT I MEAN YOU
CAN ACTUALLY WORK WITH IT WHEN YOU --

Leo Laporte: IT'D BE FINE FOR
A MOVIE, THOUGH, A DVD.

Sean Carruthers: FINE WITH A MOVIE.

Leo Laporte: HOW DO YOU LIKE
IT WITH A DVD?

Sean Carruthers: IT SEEMS FINE.
I MEAN IT --

Leo Laporte: (Chuckling)

Sean Carruthers: IT'S --

Leo Laporte: IT'S NOT VIRTUAL
REALITY IS, I GUESS, WHAT I'M SAYING.

Sean Carruthers: NO, IT'S NOT
VIRTUAL REALITY, AND --

Leo Laporte: IT'S LIKE A
SCREEN PROJECTED IN FRONT OF YOU.

[Pop captions up]

Sean Carruthers: IT DOES TEND

TO DRIFT AROUND ON YOUR HEAD A
LITTLE BIT UNLESS YOU CINCH IT
DOWN REALLY TIGHT, SO IT'S NOT
NECESSARILY THE MOST COMFORTABLE
THING IN THE WHOLE WORLD.

Leo Laporte: LET'S GET THE
PROS AND CONS HERE.
THE DISPLAY QUALITY'S GREAT.
YOU CAN ADJUST THE EYEPiece SO
IT'S A LITTLE MORE COMFORTABLE.

Sean Carruthers: THERE'S
LITTLE TRIMS UNDERNEATH THE BRIM
THERE SO THAT YOU CAN ACTUALLY
FOCUS IT A BIT BETTER.

Leo Laporte: I DON'T KNOW IF
IT'S REALLY A SECONDARY
PC DISPLAY SINCE YOU CAN'T SEE
ANYTHING WHEN YOU'RE WEARING IT,
BUT I GUESS --

Sean Carruthers: YOU KNOW, I
TRIED IT ACTUALLY FOR ABOUT AN
HOUR, AND YOU DO GET USED TO IT.

(Both talking at once)

Leo Laporte: WHAT ARE THE NEGATIVES?

Sean Carruthers: IT DOES RIDE
AROUND ON YOUR HEAD
UNFORTUNATELY, SO IT CAN GO OUT
OF ALIGNMENT.

Leo Laporte: IT MAKES YOU
LOOK LIKE A DOPE.

Sean Carruthers: IT MAKES YOU
LOOK LIKE A DOPE.

Leo Laporte: (Laughing)

Sean Carruthers: AND THAT
PROCESSOR UNIT, AS YOU
MENTIONED, ESPECIALLY BECAUSE
THIS ONE HAS A BATTERY, IT IS BULKY.

Leo Laporte: 500 BUCKS IS A
LITTLE BIT EXPENSIVE.
I'D SAY THESE ARE --
I KEEP SEEING THESE.

[Pop captions down]

Sean Carruthers: MM-HMM.

Leo Laporte: IT'S AN IDEA
WHOSE TIME HAS NOT QUITE YET COME.

Sean Carruthers: IT'S ALMOST THERE.

[Pop captions up]

Sean Carruthers: IF THEY CAN
MAKE IT LOOK A LITTLE BIT LESS
DORKY THAN THIS, I THINK IT'LL --

Leo Laporte: WHAT DO YOU MEAN?
I DON'T THINK THIS LOOKS DORKY.
DO YOU THINK THIS LOOKS DORKY?

(Lively digital music)

Leo Laporte: (Speaking in nerdy voice)
COMING UP, CALI LEWIS --

(Speaking gibberish)

AS WE CONTINUE WITH "THE LAB."

[Pop captions down]

Leo Laporte: (Speaking in normal voice)
BUT RIGHT NOW IT'S TIME --
OH, LOOK, I CAN SEE THE QUICK
QUIZ QUESTION OF THE DAY.

Sean Carruthers: (Chuckling)

[Pop captions up]

Leo Laporte: OH!

WHAT IS THE CODE NAME FOR AMD'S
FIRST PROCESSOR-GRAPHICS COMBO PLATFORM?
IS IT VIPER, SNIPER, SPIDER OR CENTRINO?

HMM... THINK ABOUT IT.

I WONDER IF THIS THING WILL HELP
ME FIGURE THAT OUT.

WE'LL TELL YOU A LITTLE LATER ON
AS "THE LAB" CONTINUES.

STAY RIGHT HERE.

(Laughing like a nerd)

[MUSIC]

[Pop captions down]

COMMERCIAL

(Theme music playing)

Leo Laporte: WELCOME BACK TO "THE LAB."

I'M LEO LAPORTE, AND IT'S TIME
TO SAY HELLO TO OUR GOOD FRIEND
FROM "GEEKBRIEF TV," LADIES AND
GENTLEMEN, CALI LEWIS, ALL THE
WAY FROM --

Cali Lewis: HEY!

Leo Laporte: HER "GEEKBRIEF"

STUDIOS IN TEXAS.

HI, CALI.

Cali Lewis: HOW ARE YA?

Leo Laporte: NO, YOU MUST BE
AT THE FANCY STUDIOS TODAY.

Cali Lewis: I AM AT THE FANCY
STUDIOS, xtrain.com.

(Laughing)

[Pop captions up]

Leo Laporte: BOY, DOES THAT LOOK GOOD.

Cali Lewis: I LOVE IT HERE.

I'M IN HEAVEN HERE.

Leo Laporte: WE SHOULD SAY,
"I BET YOU'RE REALLY JUST
SITTING IN A LITTLE TINY CLOSET
THAT'S ALL PAINTED GREEN, AND
EVERYTHING ELSE IS FAKE, RIGHT?"

[Pop captions down]

Cali Lewis: (Laughing)
EVERYTHING IS FAKE, YES, EXCEPT
FOR THESE SPEAKERS.

(Both laughing)

Leo Laporte: SO TELL US ABOUT
THESE SPEAKERS.
I REMEMBER SEEING THESE, I
THINK, PROTOTYPED AT MACWORLD.
THEY'RE OUT NOW?

[Pop captions up]

Cali Lewis: THEY ARE OUT, AND
THEY ARE AMAZING.
THESE ARE WIRELESS SPEAKERS THAT
ACTUALLY WORK, SO LOOK AT THIS.

[Pop captions down]

Leo Laporte: WHOA!

Cali Lewis: IT'S FUNNY.
ON THE WEBSITE, THEY HAVE THEM
FLOATING, SO IT LOOKS LIKE THEY
ACTUALLY FLOAT.
THEY'RE NOT MAGIC, BUT THEY DO
WORK, AND THEY'RE AMAZING.

Leo Laporte: SO THE IDEA IS
THAT THEY SIT ON THE BASE UNTIL
YOU WANT TO WALK AWAY?
I DON'T UNDERSTAND.

Cali Lewis: WELL, THESE ARE
THE SPEAKERS, AND THIS IS A
CHARGING STATION --

Leo Laporte: I SEE.
SO THEY'RE CHARGING UP ON THAT BASE.

Cali Lewis: AND SO THEY'RE
CHARGING UP, AND WHAT'S COOL --

Leo Laporte: YEAH?

Cali Lewis: IS THAT YOU CAN --
OKAY, IF YOU LOOK AT YOURS, YOU
CAN SEE THAT YOU HAVE A LIGHT ON
EACH SPEAKER --

Leo Laporte: YEAH?

Cali Lewis: TELLING YOU WHICH
AUDIO CHANNEL IT'S ASSIGNED TO.

Leo Laporte: OH...

Cali Lewis: TAKE ONE OFF...

Leo Laporte: YEAH?

Cali Lewis: SWITCH THE OTHER
ONE AROUND...

Leo Laporte: AH!

Cali Lewis: AND IT'S
AUTOMATICALLY GONNA SYNC UP.

Leo Laporte: (Laughing)

Cali Lewis: SO IT'S PRETTY INCREDIBLE.
(Laughing)

Leo Laporte: THAT'S GOOD, SO
YOU DON'T LOSE YOUR STEREO LEFT
AND RIGHT, EVEN THOUGH YOU'VE
FLIP-FLOPPED THE SPEAKERS.

Cali Lewis: RIGHT.

Leo Laporte: WOW, THAT IS SO COOL.

Cali Lewis: SO YOU CAN TAKE --

YOU CAN TAKE THESE AROUND.
YOU CAN HOOK IT UP --
IT HAS AN IPOD DOCK, SO YOU CAN
HOOK IT UP TO ANOTHER AUDIO
SOURCE VIA RCA, AND I --
WHAT I DO IS I HAVE IT HOOKED UP
TO MY iMAC, WHICH HAS ALL MY
MEDIA ON IT, AND I WILL TAKE
THIS INTO THE BATHROOM WHILE I'M
GETTING READY.

Leo Laporte: (Laughing)

Cali Lewis: NEAL WILL TAKE
THIS ONE, YOU KNOW, TO --

Leo Laporte: SO WAIT A MINUTE.
SO THAT'S GOOD.

SO THIS IS GOOD FOR A COUPLE.
YOU GET THE LEFT CHANNEL, AND I
GET THE RIGHT CHANNEL.

Cali Lewis: TOTALLY.

Leo Laporte: (Laughing)

AND THEN WE --
AND YOU CAN WANDER OFF!

Cali Lewis: RIGHT!

Leo Laporte: HOW FAR DOES IT GO?

Cali Lewis: AND IF YOU ARE
DOING THEM --
IF YOU ARE DOING THEM WITH JUST
TAKING ONE SINGLE, YOU CAN
SWITCH IT TO MONO, AND THAT
MIGHT GIVE YOU A LITTLE BETTER SOUND.

Leo Laporte: SO DOES --
HAVE THESE REPLACED THE TIVOLI?
I KNOW YOU WERE A BIG FAN OF THE TIVOLI.

Cali Lewis: YES, I STILL LOVE
THE TIVOLI, BUT I DO LOVE THESE.
I HAVE BEEN WAITING FOR THESE
FOR TWO YEARS, OVER TWO YEARS.

Leo Laporte: YEAH, WE SAW
THEM AWHILE AGO.
IT TOOK THEM AWHILE TO GET THIS PERFECTED.
SO HOW IS THE SOUND ON THESE GRIFFINS?

Cali Lewis: THEY'RE --
I THINK THEY'RE INCREDIBLE.
NOW, IF YOU'RE AN AUDIOPHILE,
YOU MIGHT --
THERE'S NOT A LOT OF BOTTOM, SO
YOU MIGHT BE BUGGED BY THAT, BUT
I'M NOT AN --
LIKE, YOU KNOW, I'M GOOD WITH
THE SOUND.

(Laughing)
I'M NOT A TOTAL AUDIOPHILE.
SO FOR PEOPLE WHO ARE REALLY,
REALLY NITPICKY, YOU MIGHT HAVE
A LITTLE BIT OF AN ISSUE HERE
AND THERE, BUT --

Leo Laporte: WELL, THEY'RE
NOT THAT BIG.
THEY'RE JUST LITTLE CUBES.

[Pop captions up]

Leo Laporte: I THINK ANYBODY
WHO KNOWS AUDIO'S GONNA LOOK AT
IT AND GET AN IDEA OF WHAT
THEY'RE CAPABLE OF, BUT I HAVE
TO SAY TECHNOLOGY, ESPECIALLY
COMPUTER DESIGN TECHNOLOGY, HAS

GOTTEN TO THE POINT WHERE THEY
CAN REALLY GET A LOT OF SOUND
OUT OF CUBES EVEN THIS SMALL.

[Pop captions down]

Cali Lewis: OH, IT'S AMAZING!

Leo Laporte: YEAH.

Cali Lewis: AND NOW YOU CAN
BUY INDIVIDUAL CHARGING
STATIONS, SO PICTURE THIS.

NOW, I DON'T GO TO PARTIES, BUT
I HEAR THIS WOULD BE AMAZING.

(Laughing)

Leo Laporte: YOU DON'T --

WAIT A MINUTE!

YOU DON'T GO TO PARTIES?

(Theme music playing quietly
through speakers)

Leo Laporte: WHOOP.

Cali Lewis: I'M NOT A PARTYGOER.

(Music shuts off)

Leo Laporte: WHY DON'T YOU GO
TO PARTIES?

Cali Lewis: I SIT IN THE CORNER.

(Laughing)

Leo Laporte: OH, COME ON!

ARE YOU SHY?

Cali Lewis: YES, I'M VERY SHY.

(Laughing)

Leo Laporte: OH, YOU'RE NOT
THE CALI LEWIS.

BRING THE REAL CALI LEWIS IN!

WHO IS THIS IMPOSTER?

"SHY."

ANYWAY, SO THESE WOULD BE GOOD
AT PARTIES, WOULDN'T THEY?

Cali Lewis: YES, SO YOU CAN
HAVE AN UNLIMITED NUMBER OF
SPEAKERS ALL THROUGHOUT THE HOUSE --

Leo Laporte: OH!

Cali Lewis: AND THEY HAVE
THEIR OWN INDIVIDUAL CHARGING STATIONS.
SO THESE WILL ACTUALLY GET --
OFF OF THE CHARGER, THEY'LL GET
ABOUT 10 HOURS.

Leo Laporte: WOW, THAT'S GREAT.

SO, SO --

AND HOW FAR CAN THEY GO?

[Pop captions up]

Leo Laporte: DID I ASK YOU THAT?

Cali Lewis: YEAH, 150 FEET,
UP TO 150 FEET IS WHAT THEY SAY,
BUT WHAT'S REALLY COOL IS THAT A
LOT OF PEOPLE ARE FINDING THEY
GET UP TO 300 FEET.

Leo Laporte: SO THEY CAN GO
PRETTY FAR.

[Pop captions down]

Leo Laporte: ALL RIGHT, LET'S --
I'M GONNA PRESS "PLAY HERE."

(Theme music playing quietly through speakers)

Leo Laporte: AND NOW THIS ONE'S GOING.
SEAN, GO, GO, GO AWAY, SEAN.
JUST GO FAR, FAR AWAY AND TELL --

Cali Lewis: (Laughing)

Leo Laporte: CAN YOU STILL
HEAR IT, SEAN?

Sean Carruthers: YES, I CAN.

Leo Laporte: STILL HEARING IT?

Sean Carruthers: YES, I CAN.

Leo Laporte: STILL HEARING IT NOW?

Sean Carruthers: YES, I CAN.

Leo Laporte: CAN YOU HEAR ME NOW?

Sean Carruthers: YES, I CAN.

Leo Laporte: IT'S TURNING
INTO A VERIZON COMMERCIAL.
CAN YOU HEAR ME NOW?

Sean Carruthers: SURE!

Cali Lewis: (Laughing)

Leo Laporte: CAN --

Sean Carruthers: YES, I CAN HEAR IT.

Leo Laporte: HE CAN HEAR IT.
SO THAT'S PRETTY GOOD.
I MEAN IT ACTUALLY GOES THROUGH
METAL WALLS AND EVERYTHING.
AND THE SOUND QUALITY, I HAVE TO
SAY I AGREE WITH YOU.
THE SOUND QUALITY IS
SURPRISINGLY GOOD, I THINK.

Cali Lewis: OH, YEAH, I'M
TOTALLY HAPPY WITH IT.
NOW, THE DOWNSIDE IS THE REMOTE.
I WISH THAT THEY HAD A BETTER
REMOTE BECAUSE IT HAS MORE
BUTTONS THAN AN APPLE REMOTE --

Leo Laporte: YEAH.

Cali Lewis: BUT IT HAS LESS FUNCTIONALITY.

Leo Laporte: (Laughing)
IT DOES LESS WITH MORE BUTTONS.

Cali Lewis: RIGHT.

SO HOPEFULLY THEY'LL CHANGE THAT
IN VERSION 2, BUT --

Leo Laporte: I SEE IT HAS AN EQ --
IT HAS EQ, IT HAS ON-OFF, PLAY,
LEFT-RIGHT, UP-DOWN.

YEAH, IT IS A LITTLE
COMPLICATED, HUH?

BUT AT LEAST IT'S NOT UGLY.

Cali Lewis: IT'S NOT UGLY.

Leo Laporte: YEAH.

Cali Lewis: IT'S GREAT, BUT
THE ONE THING YOU CAN'T DO IS
BROWSE, LIKE YOU CAN'T GO FROM --
IF YOU HAVE YOUR IPOD ATTACHED,
YOU CAN'T GO FROM MUSIC TO
PODCASTS OR VICE VERSA.

Leo Laporte: OH, THAT'S TOO BAD.

(Indiscernible)

Leo Laporte: I SEE.

OH, THAT'S TOO BAD.

SO, BUT, YOU KNOW, YOU PUT A
MUSIC MIX ON.

YOU LEAVE IT ON.

YOU GO, AND YOU PUT ON YOUR
MAKEUP, AND NEAL CAN GO --

I DON'T KNOW.

WHAT DOES NEAL DO?

HE GOES AND WATCHES THE --
WATCHES THE GAME.

I DON'T KNOW.

(Laughing)

THIS IS COOL.

HOW MUCH --

HOW MUCH ARE THESE?

Cali Lewis: THESE ARE \$299.99.

[Pop captions up]

Leo Laporte: OKAY, THE
GRIFFIN EVOLVE WIRELESS SPEAKER SYSTEM.
IT INCLUDES THE DOCK, AND I
PRESUME IT WORKS WITH ALL THE
iPODS, YEAH?

(Funky digital music)

Cali Lewis: YES.

Leo Laporte: YES.

CALI LEWIS, YOU'RE THE GREATEST.
CATCH CALI FOUR DAYS A WEEK ON geekbrief.tv.
SHE ALSO HAS dearcali.com NOW.
SHE HELPS PEOPLE WITH THEIR LOVE TROUBLES.
NO.

Cali Lewis: (Laughing)

Leo Laporte: TROUBLES OF ALL KINDS.

[Pop captions down]

Leo Laporte: AND, OF COURSE,
SHE JOINS US PRETTY REGULARLY.
WE'LL SEE YOU UP AT MACWORLD.
THAT'LL BE A LOT OF FUN.
I CAN'T WAIT TO SEE YOU THERE.

Cali Lewis: ABSOLUTELY.

Leo Laporte: AND I THANK YOU
SO MUCH FOR JOINING US.

Cali Lewis: THANK YOU!

Leo Laporte: geekbrief.tv, A
PODSHOW PODCAST.
OH, LET'S THANK xTRAIN, TOO, FOR
THE USE OF THE STUDIO.
IT SURE LOOKS NICE.

Cali Lewis: ABSOLUTELY.

Leo Laporte: BOY, THAT LOOKS GREAT.

[Pop captions up]

Leo Laporte: ALL RIGHT, MORE
OF YOUR CALLS COMIN' UP IN JUST A BIT!
SEE YOU, CALI!

BYE-BYE!

Cali Lewis: BYE!

[MUSIC]

Man: (In control room)

FIVE, FOUR, THREE, TWO, ONE...

[MUSIC]

[Pop captions down]

COMMERCIAL

(Theme music playing)

Kate Abraham: HEY, WELCOME
BACK TO "THE LAB WITH LEO."
I'M KATE ABRAHAM, AND MY TIP OF
THE DAY IS FOR ALL YOU BLOGGERS
OUT THERE.

[Pop captions up]

Kate Abraham: IT'S A WEBSITE
CALLED COPYBLOGGER, AND THE IDEA
IS IT HELPS YOU WRITE BETTER,
MORE STRATEGIC AND IN A NICER
MANNER, SO IDEALLY YOU GET MORE
TRAFFIC TO YOUR SITE, WHICH
MEANS EVENTUALLY, IDEALLY YOU
GET MORE MONEY.
SO THIS IS COPYBLOGGER.
IT'S A REALLY COOL, EASY SITE TO
USE, VERY, VERY VISUAL, VERY
UNDERSTANDABLE, AND THE GREAT

THING IS IT HAS THIS 101 SITE.
SO THE IDEA IS YOU CAN GO
THROUGH HERE, AND YOU CAN LEARN
HOW TO ACTUALLY WRITE IN A
MANNER THAT ALLOWS YOUR WEBSITE
TO BE MORE ACCESSIBLE TO PEOPLE --

[Pop captions down]

Leo Laporte: THAT'S GREAT!

Kate Abraham: AND, AS I SAY,
IDEALLY GIVE YOU SOME MORE MONEY
IN THE LONG RUN.

SO THIS IS copyblogger.com.

Leo Laporte: WHO THOUGHT --
WHO KNEW WHEN WE WERE IN SCHOOL,
AND ALL THE TEACHERS KEPT
SAYING, "LEARN TO WRITE, LEARN
TO WRITE, IT'S A VERY USEFUL
SKILL," AND WE THOUGHT, "AH,
IT'S THE MODERN ERA, IT'S
COMPUTERS -- WHO NEEDS TO WRITE --"

Kate Abraham: EXACTLY.

Leo Laporte: AND IT TURNS OUT
EVEN MORE THAN EVER --
AND THAT'S ONE OF THE THINGS I
LOVE ABOUT E-MAIL AND BLOGS.
PEOPLE ARE WRITING!

Kate Abraham: THIS IS THE THING.

(Indiscernible)

IT WAS LIKE A HOBBY, LIKE MAYBE,
SAY, FIVE YEARS AGO WITH THE
WHOLE BLOGGING PHENOMENON.

Leo Laporte: RIGHT.

Kate Abraham: NOW IT'S ACTUALLY BECOME LIKE AN

ACCESSIBLE BUSINESS, YOU KNOW, SO IT'S --

Leo Laporte: MORE THAN THAT,
IT'S JOURNALISM.

IT'S REAL JOURNALISM.

Kate Abraham: YEAH, ABSOLUTELY.

Leo Laporte: SO WHETHER
YOU'RE MAKING MONEY AT IT OR
NOT, YOU HAVE A PLACE TO PUBLISH.

Kate Abraham: YEAH.

Leo Laporte: A LOT OF PEOPLE
CAN READ YOUR STUFF.
YOU KNOW, YOU MAY NOT WANT TO
MAKE MONEY, BUT IT'S STILL
IMPORTANT TO WRITE WELL.

Kate Abraham: EXACTLY.

Leo Laporte: AND WHAT YOU'RE
FINDING IS THERE ARE A LOT OF
REALLY GOOD WRITERS OUT THERE.

Kate Abraham: AND THAT'S
WHAT'S COMING THROUGH NOW, I
THINK, THE FACT THAT THE
WRITING, THE QUALITY OF
WRITING'S GETTING BETTER, SO
THOSE ARE THE SITES PEOPLE ARE
GOING TO --

Leo Laporte: THAT'S RIGHT.

Kate Abraham: SO YOU NEED TO
KIND OF REALLY GET THE WRITING
SKILLS GOING.

Leo Laporte: MM-HMM.

Kate Abraham: YEAH.

Leo Laporte: WHAT IS THAT AGAIN?

Kate Abraham: IT'S copyblogger.com.

Leo Laporte: I'M GONNA HAVE
TO GO THERE BECAUSE I HAVE TO
POLISH AND HONE MY SKILLS.

Kate Abraham: (Laughing)

Leo Laporte: NOW LET'S ANSWER
ANOTHER QUESTION.
WHAT DO YOU SAY?

Kate Abraham: ABSOLUTELY.
WE'RE GOING TO BENALLA IN
VICTORIA, AND WE HAVE KELVIN,
WHO'S BEEN UP FOR A VERY LONG TIME.

Leo Laporte: OH, KELVIN, I'M
SORRY TO HAVE KEPT YOU UP.
THANK YOU, KATE.

Kate Abraham: THANK YOU.

Leo Laporte: HOW ARE YOU TODAY, KELVIN?

Kelvin: OH, PRETTY GOOD.
THAT'S OKAY.

WE WERE UP ANYWAY FOR WORK.

Leo Laporte: OH, GOOD.
WELL, I WON'T KEEP YOU FROM WORK.
LET'S JUST ANSWER YOUR QUESTION,
AND THEN YOU CAN GET ON WITH
YOUR DAY!

Kelvin: RIGHT.

[Pop captions up]

Kelvin: RECENTLY, WE BOUGHT A
LAPTOP THAT CAME WITH WINDOWS VISTA.

Leo Laporte: MM-HMM?

Kelvin: AND WE WANT TO PUT
WINDOWS XP ON IT.

Leo Laporte: (Laughing)
THERE'S A TREND GOING ON HERE,

ISN'T THERE?

[Pop captions down]

Leo Laporte: YOU KNOW, I UNDERSTAND.

MICROSOFT JUST RELEASED A NEW
VERSION OF WINDOWS THAT FIXES
ALL THE PROBLEMS PEOPLE ARE
HAVING WITH VISTA.

IT'S FASTER.

IT'S MORE COMPATIBLE.

IT'S EVEN MORE SECURE.

IT'S CALLED WINDOWS XP.

IT'S THE LATEST VERSION OF
WINDOWS, AND EVERYBODY'S DOIN' IT!
ISN'T IT FUNNY?

VISTA JUST HAS REALLY TURNED OUT
TO BE A BIG DISAPPOINTMENT.

IF YOU'RE USING IT ON A NEW
SYSTEM, AS YOU ARE, YOU'RE
PROBABLY FINDING IT WORKS WELL
WITH ALL YOUR HARDWARE, BUT SOME
OF YOUR SOFTWARE MAY NOT WORK.
MAYBE YOUR PRINTERS DON'T WORK.
WHY DO YOU WANT TO PUT XP BACK
ON THERE?

Kelvin: SOFTWARE.

Leo Laporte: SOFTWARE'S NOT
WORKING, YEAH.

Kelvin: YEAH.

Leo Laporte: PRETTY COMMON.
SO, OH, YEAH, HERE'S THE NEW --
HERE'S THE NEW VISTA UPGRADE
EVERYBODY'S RUNNING OUT TO GET.
IT'S CALLED WINDOWS XP, AND BY

THE WAY, IT COSTS LESS!

[Pop captions up]

Leo Laporte: SO DO YOU WANT
TO KEEP VISTA?

Kelvin: UH... I WOULDN'T MIND
HAVING A DUAL BOOT SYSTEM.

Leo Laporte: IT'S POSSIBLE.
IT'S A LITTLE TRICKIER, BUT IT'S
TOTALLY DOABLE.

[Pop captions down]

Leo Laporte: THERE'S A GREAT
ARTICLE ON lifehacker.com, WHICH
IS A FUN SITE TO READ -- IT'S
ABOUT HACKING YOUR LIFE -- ON
MAKING A DUAL BOOT VISTA AND XP SYSTEM.
THE REASON IS WHEN YOU INSTALL
XP, IT DOESN'T KNOW ABOUT VISTA, RIGHT?

[Pop captions up]

Leo Laporte: SO IF YOU'VE GOT
AN EXISTING VISTA ON THERE, AND
YOU'RE ADDING XP TO IT, XP'S
GONNA JUST EITHER ERASE VISTA OR
STOP IT FROM BOOTING, SO YOU
CAN'T JUST INSTALL IT.

[Pop captions down]

Leo Laporte: LET ME SEE IF I
CAN FIND THE DUAL BOOT ARTICLE.
THIS IS SUCH A GOOD ARTICLE, AND
IT REFERS OFF TO OTHER SITES,
BUT IT GIVES YOU --
IT GIVES YOU THE --
HMM, MAYBE THEIR SEARCH ISN'T
WORKING HERE.

LET'S CLICK THEIR SEARCH.

(Humming)

WELL, SO MUCH FOR LIFEHACKER.

HOW ABOUT IF I USE GOOGLE, AND

I'LL DO IT, GOOGLE "XP VISTA

DUAL BOOT?"

WE HAVE AN ARTICLE ON OUR

WEBSITE THAT DESCRIBES THIS AND

TALKS ABOUT IT, AND I JUST

HAVEN'T LOOKED AT IT IN AWHILE.

ALL RIGHT, HERE WE GO, "HOW TO

DUAL-BOOT XP IN WINDOWS VISTA."

THERE WE GO!

I FOUND IT!

SO BASICALLY WHAT YOU'RE --

THE EASIEST WAY, OF COURSE, IS

TO INSTALL XP FIRST, BUT SINCE

YOU'VE ALREADY GOT AN EXISTING

VISTA INSTALL, YOU'RE GONNA DO

IT A LITTLE BIT DIFFERENTLY.

NOW, THIS ARTICLE DESCRIBES HOW

TO DO IT IF YOU'VE GOT A BLANK DISK.

THIS IS THE ONE YOU WANT, ON A

PRE-INSTALLED VISTA PC, AND...

I THINK THERE'S SOME SOFTWARE...

YEAH, VistaBootPRO IS WHAT YOU

NEED TO DO.

SO WHAT YOU'LL ESSENTIALLY DO IS

YOU'RE GONNA --

DO YOU HAVE TWO PARTITIONS ON

YOUR SYSTEM YET?

Kelvin: UH... YES.

Leo Laporte: BECAUSE YOU'LL

NEED A SEPARATE --
YOU KNOW WHAT I'M TALKING ABOUT
WITH A PARTITION?
YOU HAVE ONE PHYSICAL
HARD DRIVE, BUT YOU HAVE TWO
DIFFERENT LOGICAL HARD DRIVES,
OR YOU COULD HAVE TWO
HARD DRIVES, BUT YOU CAN'T --
XP CAN'T LIVE ON THE SAME DRIVE
LETTER AS VISTA.
SO EITHER PARTITION YOUR
EXISTING DRIVE, OR YOU COULD PUT
IN A SECOND DRIVE.
THEN YOU'LL INSTALL XP ON THAT
NEW PARTITION.
NOW, WHAT'LL HAPPEN AT THAT
POINT IS YOUR SYSTEM WILL ONLY
BOOT XP.
VISTA WILL EFFECTIVELY DISAPPEAR.
IT'S STILL THERE, BUT THE VISTA --
WHAT HAPPENED IS XP OVERWROTE
THE VISTA BOOT LOADER, BECAUSE
IT DOESN'T KNOW ABOUT VISTA, SO
THAT'S WHEN YOU GO TO VistaBootPRO.
THIS IS A PROGRAM THAT ALLOWS
YOU TO TWEAK YOUR VISTA BOOT AND
RESTORES THE VISTA ONTO YOUR
SYSTEM, SO IN EFFECT IT GIVES
YOU A MULTIBOOT CAPABILITY.
SO THE NEXT TIME --
SO WHAT YOU'LL --
JUST TO RECAP, YOU PARTITION,
YOU PUT A SECOND DRIVE IN, AND

YOU INSTALL XP.

VISTA'S DISAPPEARED.

YOU RUN VistaBootPRO.

NOW WHEN YOU REBOOT, YOU'LL GET
A MENU THAT SAYS, "OKAY, VISTA
OR XP TODAY?"

YOU CAN TELL IT --

THERE'S A DEFAULT.

YOU CAN TELL IT TO DO IT
AUTOMATICALLY AFTER 10 SECONDS
OR WHATEVER, BUT IT GIVES YOU
THE CHANCE TO BOOT INTO VISTA ON
THOSE DAYS WHEN YOU DECIDE YOU
WANT TO USE VISTA.

DOES THAT MAKE SENSE?

Kelvin: YES.

Leo Laporte: VistaBootPRO.

I'LL PUT A LINK IN THE
SHOW NOTES TO THIS ARTICLE,
WHICH IS AN EXCELLENT ARTICLE,
AND YOU CAN GET VistaBootPRO AT
vistabootpro.org.

[Pop captions up]

Leo Laporte: IT'S FREE, AND

IT SOLVES THIS PROBLEM.

IN FACT, LOOK HOW MANY PEOPLE --
1,000,080, 1,800,069 PEOPLE HAVE
DOWNLOADED VistaBootPRO.

(Laughing)

SO THAT JUST --

THAT GIVES YOU SOME IDEA OF HOW
POPULAR THIS IS AND HOW MANY
PEOPLE WANT TO USE THIS.

[Pop captions down]

(Funky digital music)

Leo Laporte: THEY HAVE --
THE NEWEST VERSION IS OUT, AND
ALL YOU DO IS YOU USE THIS ONCE.
IT INSTALLS A BOOT LOADER, AND
YOU'RE DONE.
OKAY?

Kelvin: RIGHTO.

Leo Laporte: HEY, THANKS FOR
THE CALL.
I APPRECIATE IT.
YOU'RE THE SECOND PERSON IN A
ROW WHO'S WANTED, WANTED TO
THROW VISTA OUT AND UPGRADE TO
THE ALL-NEW WINDOWS XP!
IT FIXES ALL THE PROBLEMS VISTA
HAS AND MORE.
NOW LET'S WALK OVER TO RYAN AND
GET OUR YEWELL'S JEWEL, A FREE
FILE OF THE DAY --

Ryan Yewell: YES.

Leo Laporte: THAT CAN CHANGE YOUR LIFE!

Ryan Yewell: AND IT'S ON XP.

Leo Laporte: XP.

Ryan Yewell: SO WE'RE ROCKIN' XP.
IT'S CALLED VIRTUAWIN.

Leo Laporte: OH, I LIKE THIS A LOT.

[Pop captions up]

Ryan Yewell: YES, SO WHAT IT
IS, IT'S YOU CAN DO MULTIPLE
DESKTOPS OR VIRTUAL DESKTOPS.

Leo Laporte: MM-HMM?

Ryan Yewell: SO WHAT THAT
MEANS IS I'VE GOT ONE SCREEN ON
MY LAPTOP HERE, BUT I'VE GOT
THREE DIFFERENT PROGRAMS OPEN,
AND I WANT TO KIND OF SHARE EACH
DIFFERENT SCREEN, SO I ACTUALLY --

Leo Laporte: THERE'S NEVER
ENOUGH SCREEN REAL ESTATE, IS THERE?

Ryan Yewell: NO, YOU CAN HAVE
A 30-INCH SCREEN, AND THERE'S
NOT ENOUGH SCREEN REAL ESTATE.

Leo Laporte: EXACTLY.
I USE SPACES ON THE MAC ON MY
30-INCH SCREEN.

Ryan Yewell: THERE YOU GO.

[Pop captions down]

Leo Laporte: I JUST NEED MORE ROOM.

Ryan Yewell: SO WHAT I'VE
DONE IS I'VE SET IT UP SO RIGHT
NOW WE HAVE "THE LAB WITH LEO" SET --

Leo Laporte: OKAY, IT LOOKS
LIKE A NORMAL SCREEN.

Ryan Yewell: BUT WHAT I'M
GONNA DO IS I'M GONNA HOLD DOWN
THE WINDOWS KEY AND PRESS
"RIGHT," AND ALL OF A SUDDEN NOW
WE ARE GOING TO GO TO MY OTHER DESKTOP.

Leo Laporte: IT'S A NEW DESKTOP.

Ryan Yewell: IT'S A NEW DESKTOP.
NOW, IF I --
SO RIGHT NOW I HAVE IT SET UP SO
I HAVE FOUR, SO THAT I HAVE FOUR
DESKTOPS GOING --

Leo Laporte: AND YOU CAN HAVE GROUPS OF PROGRAMS ON EACH DESKTOP, SO IT COULD BE, YOU KNOW, YOUR INTERNET PROGRAMS ON ONE --

Ryan Yewell: YEAH, EXACTLY.

Leo Laporte: AND YOUR SPREADSHEETS ON ANOTHER.

Ryan Yewell: AND THEN IF YOU GET TO THE POINT WHERE, "AH, IT'S ALL OVER THE PLACE," YOU CAN ACTUALLY JUST RIGHT-CLICK AND GO "ARRANGE," AND IT'LL JUST -- OR "GATHER," SORRY --

Leo Laporte: (Whistles)

Ryan Yewell: AND IT JUST GATHERS THEM. SO I'M GONNA RIGHT-CLICK HERE, I'M GONNA GO "GATHER," AND NOW IT'S GONNA THROW ALL MY WINDOWS ONTO ONE AGAIN, BECAUSE I'VE HAD THAT HAPPEN, WHERE LIKE "WHERE IS THAT AGAIN?"

Leo Laporte: YOU LOSE IT, YEAH.

Ryan Yewell: SO, YEAH, IT'S CALLED VIRTUAWIN FOR WINDOWS.

Leo Laporte: IT'S FREE!

Ryan Yewell: IT'S ABSOLUTELY FREE.

Leo Laporte: AMAZING!

[Pop captions up]

Ryan Yewell: GO TO labwithleo.com, HIT "FREE FILES," "YEWELL'S JEWELS." THAT'S WHERE YOU'LL FIND THIS AND MANY MORE.

Leo Laporte: NOT VISTA; XP ONLY.

[Pop captions down]

Ryan Yewell: UH, I BELIEVE IT'S JUST XP.

Leo Laporte: YEAH.

Ryan Yewell: MAYBE IT'LL WORK

WITH VISTA.

I'M USING XP, SO I KNOW FOR SURE

IT'S XP.

Leo Laporte: WHY TAKE A CHANCE?

GO WITH THE NEW AND IMPROVED

WINDOWS, WINDOWS XP.

Ryan Yewell: THERE YOU GO.

[Pop captions up]

Leo Laporte: ALL RIGHT, WE'RE

GONNA TAKE A BREAK AND COME BACK

IN JUST A LITTLE BIT WITH THE

WIRELESS KEYBOARD FIASCO.

Ryan Yewell: I HEARD ABOUT THIS!

Leo Laporte: IT'S KIND OF A SHOCKER.

STEVE GIBSON HAS THE DETAILS.

BUT FIRST, ONE LAST CHANCE TO

TAKE OUR QUICK QUIZ QUESTION OF

THE DAY.

SEE, IT'S FIRST, BUT IT'S LAST

AT THE SAME TIME.

HOW DOES HE DO IT?

WHAT IS --

(Making funny sound)

WHAT IS THE CODE NAME FOR AMD'S

FIRST PROCESSOR-GRAPHICS COMBO

PLATFORM?

I'LL GIVE YOU A HINT.

IT JUST CAME OUT.

VIPER, SNIPER, SPIDER OR CENTRINO?

THINK ABOUT IT.

WE'LL TALK ABOUT IT WHEN

"THE LAB" CONTINUES.

(Funky digital music)

[Pop captions down]

COMMERCIAL

[Pop captions up]

(Funky digital music)

Leo Laporte: SO AMD MERGED
WITH ATI, AND THEY CREATED THE
FIRST GRAPHICS COMBO WITH A
PROCESSOR FOR AMD.

OTHERS HAVE DONE IT BEFORE.

IT'S CALLED THE SPIDER, AND IT'S
OUT NOW.

[Pop captions down]

Steve Gibson: AND IF ONLY IT
HADN'T BEEN ATI.

Leo Laporte: (Laughing)

HEY, IT'S A CANADIAN COMPANY.
KNOCK IT OFF!

Steve Gibson: AH...

Leo Laporte: THAT'S STEVE
GIBSON, LADIES AND GENTLEMEN,
FROM grc.com.
YOU KNOW, EVERYTHING USES
NVIDIA, BUT I THINK IT'S BECAUSE
NVIDIA'S PAYING THESE GAME COMPANIES.

[Pop captions up]

Steve Gibson: ATI PISSED OFF
PEOPLE WITH THEIR DRIVERS BACK
IN THE DAY.
MARK THOMPSON STILL WON'T USE

ANY MACHINE THAT HAS ATI BECAUSE
THE DRIVERS WERE JUST NASTY.

[Pop captions down]

Leo Laporte: JUST SO YOU
KNOW, I'M USING ATI AT HOME, AND
I'M VERY HAPPY, ALL RIGHT, OKAY?
SO STEVE GIBSON IS A SECURITY GURU.
HE'S THE GUY WHO FOUND THE FIRST
SPYWARE, NAMED IT AND REALLY
RAISED THE ALARM ABOUT IT.
HE'S ALSO THE CO-HOST WITH ME OF
A GREAT SECURITY SHOW CALLED
"SECURITY NOW."
WE BROADCAST THAT ON THE
INTERNET EVERY THURSDAY, AND WE
JUST RECENTLY DID A
"SECURITY NOW" ABOUT WIRELESS KEYBOARDS.
I GUESS SOMEBODY ASKED YOU HOW
SECURE THEY WERE.

Steve Gibson: RIGHT.
EVERY OTHER WEEK, WE TAKE
LISTENER QUESTIONS AND GO
THROUGH THEM, AND SOMEONE ASKED,
"HEY, ARE WIRELESS KEYBOARDS SECURE?"
SO I DID A LITTLE --

[Pop captions up]

Leo Laporte: IN OTHER WORDS,
COULD SOMEBODY IN THE OFFICE
SOMEHOW GET MY SIGNAL AND FIGURE
OUT WHAT I'M TYPING?

Steve Gibson: WELL, AND, YOU
KNOW, YOUR --

Leo Laporte: YOUR PASSWORDS,

YOUR LOGINS --

[Pop captions down]

Steve Gibson: IT TURNS OUT
IT'S HARD FOR SOMEBODY IN THE
OFFICE NOT TO GET YOUR SIGNAL.

Leo Laporte: (Laughing)

GREAT.

Steve Gibson: IT TURNS OUT --
I MEAN IT'S JUST SHOCKING HOW
BAD THE SECURITY IS ON WIRELESS KEYBOARDS.

Leo Laporte: THEY'RE NOT USING ENCRYPTION?

Steve Gibson: WELL, WHAT THEY HAVE --
WHAT THEY'RE DOING YOU CANNOT
CALL ENCRYPTION.

Leo Laporte: OKAY.

Steve Gibson: MAYBE YOU COULD
CALL IT OBFUSCATION.
WHEN YOU ASSOCIATE THE KEYBOARD
WITH THE RECEIVER, THEY AGREE ON
ONE BYTE.

THEY CHOOSE A BYTE AT RANDOM.

Leo Laporte: THAT'S KIND OF
LIKE YOUR PASS BYTE.

Steve Gibson: SIX OR, SORRY,
EIGHT BITS, YEAH.

Leo Laporte: YEAH.

Steve Gibson: AND WHAT
HAPPENS IS THE DATA COMING OUT
OF THE KEYBOARD IS XORED WITH
THIS BYTE.

Leo Laporte: WHAT'S XOR?

Steve Gibson: XOR IS A --

Leo Laporte: IS THAT LIKE HAXOR?

Steve Gibson: (Chuckling)

IT'S A PROCESS BASICALLY WHICH
SAYS "INVERT SOME OF THE BITS."

Leo Laporte: RIGHT.

Steve Gibson: BUT ALWAYS THE --

Leo Laporte: BUT IN A KNOWN WAY.

Steve Gibson: ALWAYS THE SAME BITS.

Leo Laporte: RIGHT.

Steve Gibson: SO --

AND THERE'S ONLY 256 POSSIBLE
COMBINATIONS OF EIGHT BITS, SO
IT TURNS OUT IT'S VERY SIMPLE.
THE KEYBOARDS USE 27 MEGAHERTZ
FREQUENCY, WHICH, YOU KNOW,
PEOPLE'S FILLINGS RECEIVE.

Leo Laporte: (Laughing)

Steve Gibson: I MEAN, YOU
KNOW, IT'S A LOW-FREQUENCY,
TRIVIAL TO RECEIVE.

Leo Laporte: HAS ANYBODY
BUILT A RECEIVER THAT WOULD
STEAL THIS STUFF?

Steve Gibson: YES, THERE ARE --
THERE IS NOW CODE OUT IN THE
WILD THAT WILL RECEIVE ALL THE
KEYBOARDS --

Leo Laporte: I GUESS YOU
WOULDN'T REALLY NEED TO BUILD A RECEIVER.
ALL YOU'D NEED TO DO IS GET ONE
OF THOSE DONGLES THAT THEY SELL
WITH THE KEYBOARD, PLUG IT IN
YOUR MACHINE --

Steve Gibson: WRITE YOUR OWN SOFTWARE --

Leo Laporte: AND RUN THE SOFTWARE.

Steve Gibson: AND JUST SAY

"SUCK IN EVERYTHING."

IT TURNS OUT THAT IT'S ABLE TO
SEPARATE THE STREAMS FROM
MULTIPLE KEYBOARDS AT THE SAME TIME.

BASICALLY YOU NEED TO --
THE WAY YOU NEED TO THINK IS
YOUR NEIGHBOUR LIVING BELOW YOU
OR BEHIND THAT WALL COULD BE
RECEIVING, IF YOU'RE USING A
WIRELESS KEYBOARD, EVERYTHING
YOU TYPE.

Leo Laporte: YOU KNOW, WE
TALK A LOT ABOUT KEYSTROKE
LOGGERS, SOFTWARE THAT GOES ON
YOUR SYSTEM TO MONITOR WHAT
YOU'RE DOING.

Steve Gibson: WHAT YOU REALLY DON'T WANT.

Leo Laporte: IT TURNS OUT...
WHO NEEDS A KEYSTROKE LOGGER?
A LOT OF PEOPLE USE WIRELESS KEYBOARDS.
YOU JUST --
YOU KNOW, IT'S SIMPLE TO PICK UP
WHAT THEY'RE SENDING.
SO ARE THERE ANY SECURE --
THIS IS --
THE MICROSOFT KEYBOARD DOES THIS.

Steve Gibson: WE KNOW THE
ONE THOUSAND AND THE
TWO THOUSAND SERIES DO THAT.
WE ASSUME THE THREE AND THE FOUR DO.

Leo Laporte: OKAY.

Steve Gibson: BLUETOOTH IS SAFE.

[Pop captions up]

Steve Gibson: BLUETOOTH IS AN ENTIRELY DIFFERENT TECHNOLOGY WHICH DOES GOOD ENCRYPTION.

Leo Laporte: OKAY.

Steve Gibson: THERE ARE PROBLEMS WITH IT ALSO, BUT NOT NEARLY AS BAD AS JUST THE ORIGINAL FIRST GENERATION WIRELESS KEYBOARD.

[Pop captions down]

Leo Laporte: AND LOGITECH SELLS A, QUOTE, "ENCRYPTED" KEYBOARD THAT USES STRONGER ENCRYPTION --

Steve Gibson: A SECURE KEYBOARD, YES.

Leo Laporte: OKAY. SO THERE ARE SECURE KEYBOARDS, BUT THE MOST IMPORTANT TAKEAWAY IS IF YOU'RE USING ONE OF THE NORMAL WIRELESS KEYBOARDS, IT'S PRETTY EASY FOR ANYBODY TO MONITOR WHAT YOU'RE TYPING.

Steve Gibson: IT'S THE ORIGINAL SORT OF FUNDAMENTAL ADAGE OF SECURITY IS CONVENIENCE AND SECURITY ARE ALWAYS AT ODDS.

Leo Laporte: RIGHT.

Steve Gibson: AND IT'S LIKE, "OH, LOOK HOW CONVENIENT THIS IS -- I HAVE NO WIRES ON MY KEYBOARD."

Leo Laporte: (Laughing)

Steve Gibson: YES, AND

EVERYONE AROUND YOU KNOWS WHAT
YOU'RE --

Leo Laporte: YOU'RE BROADCASTING!

Steve Gibson: YES, IT'S A RADIO.

Leo Laporte: IT'S A RADIO.

YOU'RE BROADCASTING EVERYTHING
YOU TYPE.

Steve Gibson: WITH JUST
INCREDIBLY WEAK PROTECTION.
SO JUST KEEP IT IN MIND.

Leo Laporte: (Laughing)
THAT'S PRETTY STUNNING, IT
REALLY IS, AND I'M SURE MICROSOFT IS --
WELL, I'M NOT SURE OF ANYTHING ACTUALLY.

Steve Gibson: NO, THEY'RE STILL SELLING IT.
I CHECKED, AND IT'S LIKE IT'S
\$42 OR SOMETHING FOR A KEYBOARD
THAT LETS EVERYONE KNOW WHAT
YOU'RE TYPING.

Leo Laporte: HOW --
WHAT IS THE RANGE ON THESE,
THOUGH?

I MEAN YOU --

Steve Gibson: WELL, THAT'S
JUST IT, TOO.
THE TRANSMITTER'S NOT VERY
STRONG, BUT YOU GIVE A BETTER
ANTENNA TO THE RECEIVER, AND YOU
CAN PICK UP THE WHOLE BLOCK.

Leo Laporte: OH, GREAT.

Steve Gibson: AGAIN, 27 MEGAHERTZ --

Leo Laporte: SO SOMEBODY
COULD SIT OUTSIDE MY HOUSE AND

AIM A LITTLE ANTENNA AT ME AND --

OH!

Steve Gibson: THEY JUST AIM A PRINGLES CAN AT YOU AND --

Leo Laporte: YOU MIGHT WANT TO GET RID OF THAT MICROSOFT 1000 --

Steve Gibson: AND THEY KNOW EXACTLY WHAT YOU'RE DOING.

Leo Laporte: -- KEYBOARD AND GET SOMETHING A LITTLE BETTER. BLUETOOTH'S BETTER.

Steve Gibson: IF YOU CARE.

Leo Laporte: ONE OF THE ENCRYPTED KEYBOARDS.

Steve Gibson: MAYBE YOU'RE JUST, YOU KNOW, TYPING POEMS OR SOMETHING --

Leo Laporte: RIGHT.

I WANT EVERYBODY TO READ MY POEMS.

Steve Gibson: BUT LOG IN, YOU KNOW, USER NAME, PASSWORD, YOUR CREDIT CARD NUMBER AND YOUR EXPIRATION, I MEAN ANYTHING YOU'RE DOING IS BEING BROADCAST, AND THAT IS NOT SECURE.

Leo Laporte: STEVE IS THE PRESIDENT AND FOUNDER OF GIBSON RESEARCH CORPORATION.

[Pop captions up]

Leo Laporte: HIS PROGRAM SPINRITE IS STILL TO THIS DAY, AFTER TWO DECADES, THE BEST HARD DRIVE MAINTENANCE AND RECOVERY UTILITY JUST BAR NONE, EXCELLENT.

SPINRITE 6 IS OUT NOW AT grc.com.

THAT'S ALSO A GREAT PLACE TO GO
TO HEAR OUR "SECURITY NOW" SHOW,
TO DOWNLOAD --

Steve Gibson: ALL 125 OF THEM.

(Funky digital music)

Leo Laporte: A LOT OF
EPISODES COVERING ALL ASPECTS OF SECURITY.
DOWNLOAD A LOT OF FREE SOFTWARE
THERE, TOO.

HE DOES A LOT OF PRO BONO STUFF,
INCLUDING HIS VERY FAMOUS
"SHIELDS UP," WHICH TESTS YOUR
FIREWALL, grc.com.

THANKS, STEVE.

Steve Gibson: THANKS, LEO.

Leo Laporte: I APPRECIATE YOU
COMING UP AND GIVING US THE BAD NEWS.

Steve Gibson: YEAH.

[Pop captions down]

Leo Laporte: A FINAL WORD RIGHT AFTER THIS.
STAY HERE.

Steve Gibson: GET A WIRE.

Leo Laporte: GET A WIRE.

(Both laughing)

(Theme music playing)

COMMERCIAL

(Theme music playing)

Leo Laporte: YOU KNOW, CREDIT
WHERE CREDIT'S DUE, AND I CAN'T
REMEMBER HIS NAME, BUT I READ A
BLOG POST.

A GUY WROTE A REVIEW OF XP AS IF

IT WERE THE NEW VERSION OF
WINDOWS, SAYING, "FINALLY,
MICROSOFT HAS REALLY SHOWN --
FOR ALL THOSE PEOPLE WHO HAVE
COMPLAINED ABOUT MICROSOFT
DEVELOPMENT, MICROSOFT REALLY
KNOWS WHAT IT'S DOING."

Kate Abraham: THAT'S THE ONE.

Leo Laporte: "THIS PROVES IT.
IT'S A BIG IMPROVEMENT OVER VISTA.
IT'S THE NEW UPGRADE, VISTA,
WINDOWS XP."

Kate Abraham: YEAH.

Leo Laporte: AND I CAN'T
REMEMBER HIS NAME, AND I'LL FIND
IT, AND I'LL GIVE HIM CREDIT IN
ANOTHER SHOW.

I JUST APOLOGIZE BECAUSE IT WAS
A VERY FUNNY BLOG POST, AND HE
CAME UP WITH THAT IDEA, BUT YOU
KNOW WHAT?
IT RESONATES.

[Pop captions up]

Leo Laporte: HEY, IF YOU WANT
TO BE ON THE SHOW, WE'D LOVE TO
GET YOU ON THE SHOW.
JUST GO TO OUR WEBSITE, labwithleo.com...

(Theme music playing)

Kate Abraham: FORWARD SLASH techquestions.
SUBMIT YOUR QUESTION HERE, I'LL
PHONE YOU, WE'LL GET YOU ON, AND
WE WILL SOLVE YOUR TECH WOES.

[Pop captions down]

Leo Laporte: WE WOULD LOVE TO SOLVE YOUR WOES.

Kate Abraham: (Chuckling)
LOTS AND LOTS OF WOES.

Leo Laporte: WOE, WOE, WOE.

Kate Abraham: AND IF YOU HAVE A WEBCAM --

Leo Laporte: DID YOU FIND IT, SEAN?

[Pop captions up]

Sean Carruthers: "CODING SANITY."

Leo Laporte: "CODING SANITY,"
THAT'S IT.

I KNEW IT!

(Snaps fingers)

THAT'S GREAT.

"CODING SANITY," A GREAT BLOG.

AND WHO'S THE AUTHOR OF THAT, SEAN?

I REALLY WANT TO GIVE HIM CREDIT.

Sean Carruthers: "CODING SANITY."

Leo Laporte: JUST "CODING SANITY?"

Sean Carruthers: I'M NOT 100% SURE.

Leo Laporte: OKAY.

Kate Abraham: (Laughing)

Leo Laporte: ANYWAY, WE
THANK, THANK HIM FOR ALLOWING US
TO STEAL HIS MEME.

Kate Abraham: ABSOLUTELY.

Leo Laporte: IT'S A MEME NOW, THOUGH.
IT'S OUT OF CONTROL.

Kate Abraham: WE DO GIVE CREDIT.

Leo Laporte: SPEAKING OF "OUT
OF CONTROL," WE'RE GONNA BE BACK
NEXT TIME WITH CHOCOLATE AND INFORMATION.

[Pop captions down]

Kate Abraham: ABSOLUTELY.

Leo Laporte: HOPE YOU'LL JOIN US THEN.

SEE YOU NEXT TIME ON "THE LAB."

BYE-BYE.

[MUSIC]

(Greedy theme plays, coins clinking)

[Pop captions up]

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[Pop captions down]

(Rogers theme plays)