

(Quiet synthesizer music)

[Pop captions up]

Steve Gibson: I'M STEVE GIBSON WITH grc.com.

TODAY WE'RE GONNA HAVE SUSIE
GARDNER ON OUR WEB WORKSHOP, AND
LEO AND I WILL BE ANSWERING THE
QUESTION "IS PRIVACY DEAD."

[Pop captions down]

(Theme music playing)

(Sound of dial-up modem)

[MUSIC]

[Pop captions up]

Leo Laporte: HI, HOW ARE YOU?
GOOD TO SEE YOU AND WELCOME.
IT'S TIME FOR "THE LAB WITH LEO."
I THINK PRIVACY MIGHT BE DEAD.
WE'LL HAVE TO FIND OUT A LITTLE
LATER ON.

KATE ABRAHAM IS --

Kate Abraham: SHH...

Leo Laporte: SHH...

Kate Abraham: (Whispering)

SECRETS.

Leo Laporte: IT'S JUST VERY SICK...

Kate Abraham: SHH...

Leo Laporte: VERY, VERY ILL,
BUT WE'RE HOPING IT'LL PULL THROUGH.
KATE ABRAHAM, LADIES AND GENTLEMEN.

Kate Abraham: HELLO.

Leo Laporte: HOW ARE YOU?

GOOD TO SEE YOU.

[Pop captions down]

Leo Laporte: EPISODE 157, I SEE BY MY MAGIC CLIPBOARD.

Kate Abraham: MM-HMM.

Leo Laporte: STEVE GIBSON'S HERE.

Kate Abraham: OUR GOOD FRIEND, STEVE.

Leo Laporte: LOVE IT WHEN GIBBY COMES BY.

THAT'S WHAT WE CALL HIM, GIBBY.

Kate Abraham: (Exhales)

Leo Laporte: (Exhales)

(Laughing)

Kate Abraham: I CALL HIM STEVE.

Leo Laporte: AND THEN WE HAVE
SUSIE GARDNER, WHO'S GONNA DO
OUR WEB WORKSHOP.

Kate Abraham: YES!

Leo Laporte: WE CALL HER GARDNEY.

Kate Abraham: WE DO NOT --

Leo Laporte: NO, WE DO NOT.

(Both laughing)

Kate Abraham: -- CALL HER GARDNEY, OR SHE WON'T COME BACK.

Leo Laporte: SHE'LL NEVER COME BACK.

WE'LL CALL HER SUSIE.

HOW ABOUT THAT?

Kate Abraham: (Laughing)

Leo Laporte: LOTS OF CALLS, TOO.

I SEE WE'VE GOT A --

KATE HAS A TIP TODAY.

Kate Abraham: MM-HMM.

Leo Laporte: WE'VE GOT SEAN'S
SHINY, LOTS OF GOOD STUFF ON

THIS SHOW.

THIS IS GONNA BE A LOT OF FUN.

THIS IS THE SHOW WHERE WE EXPLAIN --

I HAVEN'T EXPLAINED THIS YET,

BUT WE EXPLAIN HOW TECHNOLOGY

WORKS, EVERYTHING YOU WANT TO

KNOW ABOUT COMPUTERS AND THE

INTERNET AND CELLPHONES AND

CAMCORDERS, MP3 PLAYERS,

HOME THEATRE, ALL THAT STUFF,

ALL THE STUFF WITH CHIPS IN IT,

ALL THE --

A TOY STORE NOWADAYS FOR THE

MODERN LIFESTYLE.

THIS IS WHAT WE TALK ABOUT.

WE HELP YOU UNDERSTAND IT, HOW

TO BUY IT, HOW TO USE IT, HOW TO

LOSE IT WHEN YOU'RE DONE.

Kate Abraham: AND A LITTLE

BIT OF ABUSING IN THERE AS WELL.

Leo Laporte: A LITTLE ABUSE.

SURE, WHY NOT?

Kate Abraham: A LITTLE BIT.

Leo Laporte: WE'LL CALL HER GARDNEY.

THAT'S ABUSIVE.

Kate Abraham: (Laughing)

Leo Laporte: LET'S --

(Chuckling)

LET'S GET OUR FIRST CALLER ON

THE AIR HERE.

Kate Abraham: ABSOLUTELY.

WE'RE GOING TO PERTH IN WESTERN

AUSTRALIA, AND WE HAVE MATT.

Leo Laporte: OH, HOW FUN.

THANK YOU, KATE.

Kate Abraham: OKAY, THANK YOU.

Leo Laporte: HELLO, MATT!

[Pop captions up]

Matthew: HI, LEO.

HOW ARE YOU DOIN'?

Leo Laporte: I'M FANTASTIC!

I SEE YOU THERE WITH YOUR CAMERA

ON A GREEN SCREEN.

ARE YOU ON A --

ARE YOU A VIDEOGRAPHER?

Matthew: YES, THAT WAS FILMED

IN MY HIGH SCHOOL --

Leo Laporte: OH, THAT'S EXCITING.

Matthew: (Unclear) GREEN SCREEN.

Leo Laporte: HOW FUN!

AND ARE YOU STILL DOIN' IT?

Matthew: OF COURSE I AM.

Leo Laporte: OF COURSE YOU ARE!

(Chuckling)

LIKE YOU WOULD NOT --

Matthew: I'M WANTING TO DO

THIS IN THE FUTURE.

Leo Laporte: YEAH, IS THAT IT?

YOU'RE GONNA BE A FILM DIRECTOR?

[Pop captions down]

Matthew: HOPEFULLY, YES.

Leo Laporte: HOW EXCITING.

I THINK IT'S A SUCH A GREAT TIME

TO BE INTO THAT.

WITH THESE INEXPENSIVE CAMERAS,

DIGITAL TECHNOLOGY, YOU REALLY

HAVE A TOOL BOX THAT'S
EQUIVALENT TO --
YOU KNOW, BETTER THAN WHAT
ORSON WELLES HAD WHEN HE CREATED
"CITIZEN KANE."

SO WHAT CAN I DO FOR YOU TO HELP
YOU IN YOUR QUEST TO BECOME THE
NEXT STEVEN SPIELBERG?

Matthew: WELL, JUST LIKE
STEVEN SPIELBERG, I'M VERY
CONCERNED ABOUT COPYRIGHT.
I WANT TO ADD COPYRIGHT TO MY
DVD'S THAT I MAKE.

Leo Laporte: AND LOOK HOW
WELL IT'S WORKED OUT FOR STEVEN.

(Laughing)

Matthew: WELL...

Leo Laporte: I'LL TELL YOU WHAT.
FIRST OF ALL, YES, YOU CAN DO IT.

[Pop captions up]

Leo Laporte: YOU HAVE TO BUY
A VERY EXPENSIVE --
YOU CAN'T USE YOUR REGULAR
CD BURNER.
YOU HAVE TO BUY A SPECIAL KIND
OF CD BURNER CALLED AN AUTHORIZING --
OR DVD, AUTHORIZING DVD BURNER.
THEY'RE AROUND \$5,000 OR \$6,000,
AND THEN YOU HAVE TO LICENSE
MACROVISION CSS SO THAT YOU HAVE
THE CONTENT PROTECTION ON THERE
SO THAT YOU'VE GOT IT ALL
PROTECTED, IT'S ALL SAFE, AND

THEN SOME 12-YEAR-OLD WITH FREE
SOFTWARE FROM THE INTERNET COULD
CRACK IT LIKE THAT!

[Pop captions down]

Leo Laporte: AND YOU KNOW THAT, RIGHT?
IT'S COMPLETELY IMPOSSIBLE TO
COPY-PROTECT A DVD.

IF THEY --

IF THERE WERE A WAY, DON'T YOU
THINK HOLLYWOOD WOULD BE DOING IT?

Matthew: WELL... HEH, I SUPPOSE SO.

Leo Laporte: YEAH.

NO, I'M AFRAID, MATTHEW, THAT
IT'S KIND OF IMPRACTICAL RIGHT
NOW TO THINK OF COPY-PROTECTING
VIDEO DVD'S, BUT I WOULD SAY,
EVEN MORE IMPORTANTLY,
ESPECIALLY AS YOU'RE A STUDENT,
AND YOU'RE YOUNG, AND YOU'RE
STARTING OUT, MORE IMPORTANT
RIGHT NOW TO GET AS MANY PEOPLE
AS POSSIBLE TO SEE YOUR FILMS.

THIS IS THE TIME --

WHEN YOU'RE STARTING OUT, YOU
SHOULD BE GIVING STUFF AWAY.
NOW, I KNOW YOU WANT TO MAKE
MONEY AT IT, AND I'M NOT SAYING
DON'T MAKE MONEY AT IT AND DON'T --
I'M NOT EVEN SAYING DON'T SELL
THEM, BUT I'M SAYING DON'T
RESTRICT WHAT PEOPLE CAN DO WITH
YOUR VIDEO.

THIS IS THE TIME WHEN YOU WANT

TO PUT VIDEOS UP ON YOUTUBE.
YOU WANT AS MANY PEOPLE AS
POSSIBLE TO SEE YOUR MOVIES.
DON'T WORRY ABOUT --
NOW IS NOT THE TIME TO WORRY
ABOUT RESTRICTING THE NUMBER OF
PEOPLE WHO SEE YOUR STUFF.
THERE'S RECENTLY A KIND OF A
MINI SCANDAL IN THE TECH WORLD
HAPPENED BECAUSE SOMEBODY USED A
FLICKR PICTURE FROM A
PROFESSIONAL PHOTOGRAPHER IN A
VIRAL VIDEO ON YOUTUBE.
MILLIONS OF PEOPLE SAW THE VIRAL
VIDEO ON YOUTUBE, BUT THE
PHOTOGRAPHER SAW HER IMAGE ON
THERE AND DEMANDED THAT THE
VIDEO BE PULLED DOWN.
SHE SAID, "HMM, HMM, YOU DIDN'T
LICENSE MY PHOTOGRAPH, AND PULL
THAT DOWN!"
AND SHE WAS COMPLETELY WITHIN
HER RIGHTS, AND THE VIDEO WAS
PULLED DOWN.
SHE'S NOW TAKEN ALL OF HER
PHOTOS OFFLINE AND HIDDEN THEM
AWAY BECAUSE SHE DOESN'T WANT
ANYBODY TO SEE THEM, BUT I ASK
IS THAT THE RIGHT POINT OF VIEW.
I MEAN IF YOU'RE A PROFESSIONAL
PHOTOGRAPHER, MY SUGGESTION
WOULD BE GET YOUR WORK OUT
THERE, GET PEOPLE EXCITED ABOUT

WHAT YOU DO.

YOU'LL ALWAYS BE ABLE TO MAKE A
LIVING, BUT COPY-PROTECTING IT,
HOLDING ON --

THE TIGHTER YOU HOLD ON TO STUFF
IN THIS DAY AND AGE, THE --

REALLY THE WORSE YOU'RE DOING,
THE DAMAGE YOU'RE DOING TO YOURSELF.

YOU'RE KEEPING PEOPLE FROM
SEEING YOUR WORK.

SO I WOULD SAY, MATTHEW, DON'T WORRY.

FIRST OF ALL, YOU CAN'T

EFFECTIVELY COPY-PROTECT VIDEO
BECAUSE IF YOU COULD, HOLLYWOOD
WOULD'VE DONE THAT, RIGHT?

SECOND OF ALL, I DON'T THINK
IT'S THE RIGHT WAY TO GO ANYWAY.

I THINK, ESPECIALLY WHEN YOU'RE
STARTING OUT, GET THE WORD OUT,
POST YOUR VIDEO EVERYWHERE, LET
EVERYBODY SEE IT!

LET 'EM KNOW HOW GREAT MATTHEW IS.

YOU'LL BE ABLE TO MAKE PLENTY OF
MONEY ONCE PEOPLE REALIZE HOW
GOOD YOU ARE AT THIS WORK.

OKAY?

Matthew: YEAH.

IF YOU DON'T MIND, LEO, I'VE GOT
ANOTHER QUESTION.

Leo Laporte: SURE, GO RIGHT AHEAD.

Matthew: HOW DO I BURN --

HOW DO I BURN MORE THAN ONE CD
AT A TIME, LIKE, SAY, THREE TO FIVE --

Leo Laporte: YEAH.

FOR THAT, YOU NEED A DVD
DUPLICATOR, AND THEY'RE NOT THAT EXPENSIVE.

THEY'RE UNDER A THOUSAND DOLLARS.

IF YOU JUST DO A GOOGLE FOR
"DVD DUPLICATOR," I HAVE A LINK
ON THE WEBSITE FOR A SITE THAT
SELLS A NUMBER OF THEM, BUT
THERE'S A LOT OF, A LOT OF
COMPANIES THAT SELL THESE TOWERS.

YOU KNOW, THEY'RE NOT EXPENSIVE.

IT DEPENDS ON HOW AUTOMATIC YOU
WANT IT TO BE.

IF YOU'RE WILLING TO LOAD IT UP
YOURSELF, HERE'S A --

HERE'S A ONE-TO-ONE COPIER.

HERE'S A ONE-TO-SEVEN COPIER
FROM SONY FOR 389 BUCKS, NOT EXPENSIVE.

THE DIFFERENCE BETWEEN THIS AND
THE THOUSAND-DOLLAR ONES IS THAT
YOU COULD --

YOU PUT THE DISKS IN YOURSELF.

SO YOU'LL PUT THE DISKS IN YOURSELF.

IT COMES WITH SOFTWARE.

YOU PRESS A BUTTON, AND THEN IT
MAKES SEVEN DISKS AT A TIME.

IF YOU WANT IT TO LOAD THEM
AUTOMATICALLY FROM A STACK OF
DISKS, YOU PAY MORE, BUT THAT'S
NOT EXPENSIVE, \$389, AND YOU
COULD DO SEVEN DVD'S AT ONCE.

IS THAT ENOUGH FOR YOU?

Matthew: OKAY, YEAH, THANKS, LEO.

Leo Laporte: THAT'S LAST.

AND THAT'S THE WAY TO THINK NOW,
MATTHEW: "HOW DO I GET AS MANY
OF THEM OUT THERE AS POSSIBLE?"
LET THE WORLD KNOW MATTHEW IS
THE NEXT STEVEN SPIELBERG!
GIVE IT AWAY!

Matthew: THANKS, LEO.

Leo Laporte: THANKS FOR THE CALL, MATTHEW.
I APPRECIATE IT.

I GIVE AWAY A LOT OF WHAT WE DO.
OF COURSE, WE TRY TO SUPPORT
OURSELVES THROUGH ADVERTISING,
SO WE WANT --
WE DO WANT TO SEE A LOT OF
PEOPLE, A LOT OF PEOPLE TO SEE
IT OR HEAR IT, YOU KNOW, ON THE PODCAST.
I JUST, I'M A BIG BELIEVER IN
LETTING STUFF GET OUT THERE,
LETTING PEOPLE SEE IT.

[Pop captions up]

Leo Laporte: THERE'LL ALWAYS
BE WAYS TO MAKE MONEY IF YOU GET
YOUR REPUTATION OUT THERE.
NOW, IN JUST A SECOND, OUR
SECURITY GURU, STEVE GIBSON,
FROM grc.com'S GONNA JOIN US.
HE IS WONDERFUL ON SECURITY, BUT
HE'S GOT AN INTERESTING
QUESTION, SOMETHING WE SHOULD
ALL BE ASKING.
IN THIS INTERNET AGE, IS PRIVACY DEAD?
WE'LL FIND OUT WHEN

"THE LAB" CONTINUES.

YOU STAY RIGHT HERE.

(Funky techno music)

[Pop captions down]

COMMERCIAL

(Theme music playing)

Leo Laporte: WELCOME BACK TO "THE LAB."

STEVE GIBSON IS WITH US.

HE IS FROM grc.com, A SECURITY EXPERT.

HE PUBLISHES A TON OF FREE

SECURITY TOOLS AT GRC, INCLUDING

"SHIELDS UP," "SHOOT THE MESSENGER," "DECOMbobulator,"

HIS "PERFECT PAPER PASSWORDS"

AND A WHOLE LOT MORE.

HE ALSO HOSTS A PODCAST WITH ME --

WE DO IT TOGETHER ON MY TWiT

NETWORK, CALLED "SECURITY NOW."

IN FACT, MOST RECENTLY WE DID A

PODCAST CALLED "IS PRIVACY DEAD?"

WE SPENT AN HOUR TALKING ABOUT

THIS, BUT --

Steve Gibson: AND THAT WAS

WHAT YOU NAMED IT AFTER WE WERE

ALL DONE.

Leo Laporte: YEAH.

Steve Gibson: WE SAID, "WHAT

SHOULD WE CALL THIS?"

Leo Laporte: (Chuckling)

Steve Gibson: AND YOU SAID,

"HOW ABOUT 'IS PRIVACY DEAD?'"

Leo Laporte: WELL, AND THE

REASON IS THERE'S A VERY FAMOUS

QUOTE FROM SCOTT McNEALY OF SUN,

WHO SAID, "GET OVER IT --

PRIVACY IS DEAD."

IN THIS INTERNET ERA, IT IS HARD

TO KEEP YOUR, YOU KNOW, YOUR

INFORMATION PRIVATE.

[Pop captions up]

Steve Gibson: WELL, AND, YOU

KNOW, THERE ARE SO MANY

DIFFERENT WAYS NOW THAT

INFORMATION ABOUT US IS LEAKING OUT.

ONE OF MY FAVOURITES IS THAT

PEOPLE WHO HAVE TiVoS ARE BEING

PROFILED; THAT IS, THEIR

TELEVISION-WATCHING PATTERNS ARE

BEING PROFILED, AND THEY SAY,

"OH, WITH AN ADVANTAGE THAT THE

TiVo WILL LEARN WHO YOU ARE AND

START RECORDING THINGS THAT YOU WANT."

[Pop captions down]

Steve Gibson: BUT WE KNOW,

FOR EXAMPLE, THAT THERE IS A

TREMENDOUS PROBLEM WITH COOKIES

IN WEB BROWSERS THAT WERE

ORIGINALLY DESIGNED TO ENHANCE

THE WEB BROWSING EXPERIENCE BY

ALLOWING A WEB SERVER TO KNOW AS

YOU MOVED AROUND THEIR SITE THAT

IT WAS YOU WHO WAS MOVING

AROUND, BUT THEN ADVERTISERS

FIGURED OUT, "HEY, IF WE PUT AN

AD ON A SITE, THEN WE CAN GIVE

THE USER A COOKIE OF OUR OWN AND

TRACK THEM AROUND THE INTERNET,

NOT JUST AROUND A SINGLE SITE,
AND MORE AND MORE THERE ARE
INCREASING INSTANCES OF OUR
ADOPTION OF TECHNOLOGY THAT
INVARIABLY RESULTS IN A
DIMINISHMENT OF PRIVACY.

Leo Laporte: YOU KNOW, YOU
CAN THINK OF A LOT OF DIFFERENT WAYS.

[Pop captions up]

Leo Laporte: IF YOU BUY SOMETHING ON amazon.com, THE
NEXT TIME YOU COME BACK, THEY
SAY, "PEOPLE WHO BOUGHT THIS
MIGHT OFTEN BUY THIS -- YOU
MIGHT BE INTERESTED."

NOW, SOME OF THIS TIME THEY'RE
NOT LOOKING AT YOU SPECIFICALLY.
THEY'RE AGGREGATING INFORMATION.
TiVo, FOR INSTANCE, SAYS, "OH,
WE DON'T CARE ABOUT WHAT STEVE
GIBSON WATCHES, BUT WE CARE
ABOUT WHAT OUR WHOLE AUDIENCE
WATCHES."

[Pop captions down]

Steve Gibson: RIGHT.

NOW, THERE IS, HOWEVER,
UNFORTUNATELY A DISTURBING TREND
FOR REAL WORLD DATABASES TO GET
DELIBERATELY MERGED WITH ONLINE
DATABASES.

Leo Laporte: GOOGLE JUST
BOUGHT DOUBLECLICK, WHICH IS A
BIG ADVERTISING NETWORK.
THEY'RE THE ONES THAT PUT THOSE

BIG BANNER ADS THAT YOU WERE
TALKING ABOUT ON ALL THESE PAGES.
NOW GOOGLE HAS THAT INFORMATION.
THEY ALSO HAVE OTHER INFORMATION
ABOUT WHAT YOU SEARCH FOR.
THEY COMBINE THOSE TWO, AND
YOU'RE IN TROUBLE!

Steve Gibson: WELL, AND THE
ARGUMENT HAS BEEN THAT THIS
KNOWLEDGE IS ANONYMOUS.
AS YOU WERE SAYING, TiVo KNOWS
THAT IT'S ME BECAUSE I HAVE AN
ACCOUNT WITH TiVo --

Leo Laporte: RIGHT.

Steve Gibson: BUT THEY DON'T
SAY, "STEVE DOESN'T LIKE YOUR SHOW."

Leo Laporte: RIGHT.

THEY DON'T --
FRANKLY, NO NETWORK CARES
WHETHER STEVE LIKES YOUR SHOW,
BUT THEY CARE IF A THOUSAND OR A
MILLION STEVES DON'T LIKE YOUR SHOW.

Steve Gibson: EXACTLY.

BUT WHAT IS HAPPENING
UNFORTUNATELY IS THAT THIS SO --
WHAT HAS BEEN PREVIOUSLY
ANONYMOUS, THERE IS ADDITIONAL
VALUE, FOR EXAMPLE, IF PEOPLE
KNOW NOT JUST THAT I'M SOME
RANDOM NUMBER --

Leo Laporte: MM-HMM.

Steve Gibson: BUT WHERE I LIVE --

Leo Laporte: UH-HUH.

Steve Gibson: WHAT MY AGE IS,
WHAT MY INCOME BRACKET IS, I
MEAN MORE DEMOGRAPHIC
INFORMATION ABOUT ME.

Leo Laporte: ADVERTISERS WANT
THIS INFORMATION.
THEY WANT TO SELL TO STEVE
BECAUSE HE'S GONNA BUY A CADILLAC.
THEY'RE NOT GONNA SELL TO SOME
12-YEAR-OLD KID.
HE'S NOT GONNA BUY A CADILLAC.

Steve Gibson: WELL, AND ALSO,
YOU KNOW, SOME OF THE
AGGREGATION IS FOR THE BENEFIT
OF THE USER.

I MEAN I LIKE THAT AMAZON HAS
LEARNED WHO I AM BECAUSE WHEN I
GO THERE, THERE'S LIKE, "OH,
STEVE, YOU MAY BE INTERESTED IN
THESE THINGS."

Leo Laporte: RIGHT.

Steve Gibson: THAT'S FOR MY BENEFIT.
BUT THERE'S OTHER INFORMATION.
FOR EXAMPLE, IF YOU USE A LITTLE
TRANSPONDER FOR THE TOLL ROADS,
YOUR CAR IS BEING TRACKED
ESSENTIALLY WHENEVER YOU GO
THROUGH ONE OF THOSE EVENTS, AND
IF THAT INFORMATION IS
REPURPOSED AND USED FOR SOME
OTHER END, YOU GET NO BENEFIT
FROM IT, SO THERE'S VALUE THAT
IS BEING TAKEN FOR WHICH YOU'RE

RECEIVING NOTHING.

Leo Laporte: AND SOME PEOPLE
MAKE THAT POINT THAT, "WELL,
LOOK, WE'RE GONNA SPEW OUR DATA
EVERYWHERE, WHEN YOU GO ONLINE,
WHEN YOU HAVE A CREDIT CARD --"

Steve Gibson: CLUB CARDS.

Leo Laporte: GROCERY STORE CLUB CARDS.

YOU'RE GONNA GIVE THAT DATA
AWAY, SO MANY ADVOCATES SAY,
"OKAY, IT'S ALL RIGHT IF
(A) IT'S DISCLOSED EXACTLY
WHAT'S BEING KEPT TRACK OF AND
WHO'S GETTING THAT INFORMATION
BUT ALSO IF YOU GET COMPENSATED
FOR IT," AND THAT'S WHERE A
CLUB CARD MAYBE IS A FAIR TRADE.
YOU'RE GETTING LOWER PRICES.

Steve Gibson: AND, ALONG WITH
DISCLOSURE, IF YOU GET SOME
CONTROL, IF YOU'RE ABLE --

Leo Laporte: AH, YES.

Steve Gibson: IF YOU'RE ABLE
TO SAY, "OKAY, I KNOW YOU HAVE ALL THIS.
DELETE IT.

I WANT TO REMOVE MYSELF FROM
YOUR SURVEILLANCE."

Leo Laporte: RIGHT.

Steve Gibson: AND IF YOU --
IF THEY'RE ABLE TO COMPENSATE BY
GIVING YOU TRANSPARENCY AND
CONTROL, THEN THE END USER HAS
SOME OPTIONS --

Leo Laporte: RIGHT.

Steve Gibson: WHICH RIGHT NOW
WE LARGELY LACK.

Leo Laporte: WELL, THAT'S MY QUESTION.
IS IT HOPELESS?

[Pop captions up]

Leo Laporte: I MEAN HOW WOULD
YOU, IF YOU WANTED TO --
I GET CALLS FROM PEOPLE ALL THE
TIME WHO SAY, "I WANT TO COVER
MY TRACKS IN MY BROWSER, AND I
WANT TO DELETE ALL THE --"
IS THERE A WAY TECHNOLOGICALLY
YOU COULD PREVENT PEOPLE FROM
COLLECTING THIS KIND OF INFORMATION?

Steve Gibson: WELL, IT IS --
THERE ARE PEOPLE WHO ROUTINELY
DELETE, FOR EXAMPLE, ALL THE
COOKIES FROM THEIR COMPUTER
BECAUSE THEY WANT TO JUST START
OVER, AND THE IDEA BEING THAT IF
YOU DELETE YOUR COOKIES, NOW YOU --

Leo Laporte: YOU'RE ANONYMOUS AGAIN.

Steve Gibson: IT'S AS IF YOU
JUST EMERGED FROM THE WOMB WITH
A PC, AND OFF YOU GO, SURFING THE WEB.

[Pop captions down]

Leo Laporte: BUT THE CLOCK
STARTS RIGHT AWAY.
THEY START COLLECTING
INFORMATION RIGHT AWAY.

Steve Gibson: AND THEN YOU
IMMEDIATELY START LOSING YOUR --

ALTHOUGH THERE ARE NOW COOKIE SPANNING TECHNOLOGIES. IT TURNS OUT THAT FLASH, WHICH MOST PEOPLE HAVE IN THEIR BROWSER, IT'S GOT COOKIES COMPLETELY SEPARATE FROM THE REGULAR WEB BROWSER COOKIES WE'RE USED TO.

Leo Laporte: THAT'S WHAT CONCERNS ME IS YOU COULD DELETE YOUR BROWSER COOKIES, BUT THERE'S LOTS OF OTHER WAYS PEOPLE CAN TRACK YOU.

Steve Gibson: AND, IN FACT, USING, FOR EXAMPLE, FLASH COOKIES, THE INSTANT YOU DO REAPPEAR, IT GOES, "AHA!"

Leo Laporte: (Laughing)
"GOTCHA!"

Steve Gibson: "YOU'RE THE SAME GUY WE HAD OVER HERE," AND THEN IT MERGES YOU BACK AGAIN.

Leo Laporte: OH, MAN.

Steve Gibson: SO --

Leo Laporte: SO UNLESS YOU'RE WILLING TO LIVE IN THE WOODS WITHOUT A CREDIT CARD --

Steve Gibson: NO CELLPHONE --

Leo Laporte: NO CELLPHONE, NO PHONE OF ANY KIND!

Steve Gibson: THE CELL TOWERS KNOW WHERE YOU ARE, TOO.

Leo Laporte: RIGHT, RIGHT. BASICALLY YOU HAVE TO GET OFF

THE GRID, AND NOBODY'S WILLING
TO DO THAT.

THAT'S PRETTY --

Steve Gibson: NO, IT'S TOO CONVENIENT --

Leo Laporte: YEAH.

Steve Gibson: -- THE FACT IS,
I MEAN, YOU KNOW?

Leo Laporte: SO WHAT SHOULD WE DO?
SHOULD WE LOBBY GOVERNMENTS TO
REQUIRE THESE KINDS OF
TRANSPARENCY AND CONTROL?

Steve Gibson: I THINK THE
REASON WE'RE TALKING ABOUT THIS
IS AWARENESS IS THE VERY, VERY
FIRST THING.
IF PEOPLE AT LEAST KNOW WHAT'S
GOING ON, THEY'RE ABLE TO, IF
THEY WANT TO, DELETE THEIR COOKIES.

Leo Laporte: RIGHT.

Steve Gibson: THEY'RE ABLE TO
DECIDE WHAT THE BENEFIT IS FOR
HAVING A SUPERMARKET CLUB CARD,
AND, YOU KNOW, YOU MAKE
DECISIONS IN YOUR LIFE TO
BALANCE BECAUSE NO ONE, AS YOU
SAY, WANTS TO WANDER OFF INTO
THE WOODS AND EAT BARK --

Leo Laporte: RIGHT.

Steve Gibson: BUT AT THE SAME
TIME, THERE ARE PEOPLE I KNOW --
I TALK TO THEM ALL THE TIME --
WHO ARE REALLY CONCERNED ABOUT,
YOU KNOW, WHO'S WATCHING THEM

AND WHAT...

Leo Laporte: (Laughing)

I THINK SOMEBODY'S WATCHING US
RIGHT NOW.

OH, THERE THEY ARE!

(Laughing)

Steve Gibson: I THINK WE'RE BEING WATCHED, LEO.

Leo Laporte: (Laughing)

SO, AND THAT'S THE OTHER THING.

I MEAN SOME OF US DON'T REALLY
CARE THAT MUCH, AND WE --

YOU KNOW, "HEY, GO AHEAD, TAKE
MY INFORMATION."

Steve Gibson: YEAH, YEAH, YEAH, RIGHT.

Leo Laporte: WHAT --

YOU KNOW, IT'S ALMOST SOMETHING
THAT YOU CAN'T FIGHT, SO YOU
MIGHT DO AS SCOTT McNEALY SAYS
AND JUST GET OVER IT.

PRIVACY IS DEAD.

BUT I THINK YOU'RE RIGHT.

I THINK IT'S AN IMPORTANT
DECISION THAT YOU HAVE TO MAKE
FOR YOURSELF, AND IF YOU CHOOSE
TO FIGHT FOR YOUR PRIVACY, I
THINK YOU SHOULD CONTACT YOUR
LOCAL GOVERNMENTS, AND CONTACT
YOUR FEDERAL GOVERNMENTS, LET
THEM KNOW HOW YOU FEEL ABOUT IT,
MAKE SURE THAT ALL YOUR
TECHNOLOGIES HAVE SOME SORT OF
REMOVAL TECHNIQUE, AND INSIST
WHEN YOU GO TO VENDORS,

WEBSITES, TiVo AND THINGS LIKE
THAT, GROCERY STORES, THAT THEY
GIVE YOU THAT CONTROL.

Steve Gibson: THAT YOU WANT THOSE OPTIONS.

Leo Laporte: YEAH, YOU WANT THE CONTROL.

Steve Gibson: THEY WON'T GIVE
IT TO US UNLESS WE ASK.

Leo Laporte: IN THE STATES,
THERE'S A GROCERY STORE NOW
ADVERTISING, "WE DON'T HAVE
CLUB CARDS," AND I THINK THAT'S
VERY INTERESTING.

Steve Gibson: AH...

Leo Laporte: THEY'RE CLEARLY RESPONDING TO --

Steve Gibson: SO THEY'RE
RECOGNIZING THAT BACKLASH.

Leo Laporte: YEAH, EXACTLY.

Steve Gibson: YEAH.

[Pop captions up]

Leo Laporte: STEVE GIBSON'S AT grc.com.
THAT'S HIS WEBSITE, LOTS OF
GREAT PRIVACY AND SECURITY
INFORMATION THERE, INCLUDING OUR
"SECURITY NOW" PODCAST AND ALSO
HIS BREAD AND BUTTER, WHICH IS A
GREAT PROGRAM -- I RECOMMEND IT
ALL THE TIME -- IT'S CALLED
SPINRITE, THE WORLD'S BEST DISK
MAINTENANCE AND RECOVERY
UTILITY, grc.com.

[Pop captions down]

Leo Laporte: THANKS FOR COMING BY.

Steve Gibson: THANKS, LEO.

Leo Laporte: ALWAYS A PLEASURE.

Steve Gibson: ALWAYS A PLEASURE.

Leo Laporte: OKAY, YOU CAN
SIGN OUT OVER THERE, AND WE'LL
SCAN YOUR CARD OR YOUR BAR CODE.

WELL, THERE IT IS, THERE IT IS!

THAT'S OUR RF READER, OR IS IT?

WHAT IS THAT?

SOMETHING WE'VE ZOOMED IN ON
WITH OUR MACRO LENSES.

WHAT COULD IT BE?

WE'LL FIND OUT WHEN

"THE LAB" CONTINUES.

STAY RIGHT HERE.

(Funky techno music)

COMMERCIAL

(Lively techno music)

Leo Laporte: WELCOME BACK TO "THE LAB."

BEFORE THE BREAK, WE SHOWED YOU THIS.

IT'S OBVIOUSLY A CIRCUIT BOARD

WITH SOME SORT OF CHIP ATTACHED.

[Pop captions up]

Leo Laporte: I'M THINKING A MOTHERBOARD FOR A...

DDR SO-DIMM.

THEY'RE MEMORY.

THAT'S WHAT IT WAS, DAGNABBIT!

I MISSED AGAIN.

[Pop captions down]

Leo Laporte: IT'S ONE OF THESE.

SEAN CARRUTHERS TAKES THOSE WITH
HIS MACRO LENS.

HE'S GOOD AT THAT STUFF, LET ME TELL YOU.

KATE ABRAHAM HAS A CALL FOR ME.

HELLO, KATE!

Kate Abraham: I DO.

WE HAVE NEIL, AND HE'S FROM
MELBOURNE IN VICTORIA.

Leo Laporte: MELBOURNE!

HELLO, NEIL!

Neil: G'DAY, LEO.

HOW ARE YOU GOING?

Leo Laporte: G'DAY.

WELCOME TO "THE LAB!"

WHAT CAN I DO FOR YOU?

Neil: THANK YOU VERY MUCH.

I'VE GOT A QUESTION ABOUT AUDIO
FILES, PLEASE.

Leo Laporte: ALL RIGHT.

Neil: THE LOCAL VICAR HAS THE
GREAT IDEA OF UPLOADING HIS
SERMONS TO THE CHURCH'S WEBSITE.

Leo Laporte: OH, THAT'S NEAT.

Neil: THE SERMONS ARE
CURRENTLY RECORDED ON A CASSETTE TAPE.

Leo Laporte: YEAH.

Neil: AND ONE OF THE
PARISHIONERS HAS COPIED CASSETTE
TAPE RECORDINGS TO MP3 FILES.

Leo Laporte: EXCELLENT.

Neil: THE FILES ARE ABOUT,
FOR A 20 TO 25-MINUTE SERMON,
ARE ABOUT 30 MEGABYTES IN SIZE.

Leo Laporte: OKAY.

Neil: AND TO ME, THAT SOUNDS
RELATIVELY LARGE.

I'M JUST WONDERING WHETHER OR NOT --

OR WHAT DIGITAL FORMATS ARE AVAILABLE AND WHAT SORT OF FILE SIZES AND SOUND QUALITY AM I BOUND TO GET FROM THEM.

Leo Laporte: WELL, I HAVE TO SAY MP3 IS PROBABLY THE BEST CHOICE.

[Pop captions up]

Leo Laporte: YOU'RE NOT GOING TO COMPRESS IT MUCH MORE THAN MP3, AND BY USING ANOTHER FILE FORMAT, YOU'RE GOING TO LIMIT WHO CAN PLAY IT BACK.

YOU COULD CHOOSE WINDOWS MEDIA AUDIO, WMA, AND YOU PROBABLY COULD GET IT SHRUNK DOWN ANOTHER 15, 20, MAYBE EVEN 30%, BUT YOU'LL LIMIT IT TO PEOPLE WHO HAVE WINDOWS, WHICH MIGHT LIMIT SOME OF THE PARISHIONERS.

[Pop captions down]

Leo Laporte: SIMILARLY, YOU COULD USE REAL MEDIA, WHICH YOU CAN SHRINK IT DOWN MAYBE ANOTHER HALF, BUT REAL MEDIA REQUIRES YOU DOWNLOAD THE REAL PLAYER, AND A LOT OF PEOPLE DON'T WANT TO DO THAT ANYMORE BECAUSE IT TAKES ALONG A LOT OF ADWARE AND SO FORTH. IN MY OPINION, I WOULD STICK WITH THE MP3.

IF YOU'RE SAYING IT'S 13 MEGABYTES FOR A --

Neil: 30.

Leo Laporte: 25-MINUTE SERMON, THAT --

Neil: THREE-ZERO.

Leo Laporte: PARDON ME?

Neil: THREE-ZERO, 30 MEGABYTES.

Leo Laporte: 30, OKAY.

WELL, WE CAN MAKE IT SMALLER THAN THAT.

SO THAT'S BEING ENCODED IN

STEREO AT 128 KILOBITS, SO WE

CAN SHRINK THAT CONSIDERABLY.

THE MATH IS PRETTY EASY TO DO.

THE BIT RATE OF THE MP3 FILE

WILL TELL YOU HOW BIG IT'S GONNA BE.

IF IT'S 128-KILOBIT, THAT MEANS

IT'S 128,000 BITS PER SECOND.

MULTIPLY THAT BY 60 AND THEN BY

25, AND THAT'LL GIVE YOU ROUGHLY 30 MEGABYTES.

SO THAT'S TOO HIGH-QUALITY.

THAT'S THE QUALITY WE USE FOR

MUSIC, BUT YOU CAN GO HALF THAT FOR VOICE.

SO THE FIRST THING TO DO IS DO

IT IN MONO, NOT STEREO.

THAT'S GONNA CUT IT IN HALF RIGHT AWAY.

Neil: RIGHT.

Leo Laporte: AND THEN IF IT'S

STILL SOUNDING PRETTY GOOD TO

YOU, WHICH IT SHOULD BE --

IT SHOULDN'T --

ACTUALLY, THAT WILL NOT DEGRADE

THE AUDIO QUALITY IN THE LEAST.

YOU CAN THEN TRY LOWER BIT RATES.

I WOULDN'T PROBABLY WANT TO GO

MUCH LOWER THAN 32-KILOBIT MONO.

YOU'RE GONNA START HEARING SOME

DIGITAL ARTIFACTING, WHICH MAY NOT BOTHER PEOPLE. YOU KNOW WHAT WE DO, STEVE AND I DO ON OUR PODCAST IS I'VE SETTLED ON PODCASTS -- AND BY THE WAY, I DISTRIBUTE A LOT OF AUDIO ON THE INTERNET, SO I'VE THOUGHT A LITTLE BIT ABOUT THIS ISSUE.

I DISTRIBUTE ALL MY PODCASTS IN 64-KILOBIT MONO. THAT'S BASICALLY CD QUALITY, BUT IT GIVES -- IT'LL TAKE -- SO THAT WOULD BE, FOR A 25-MINUTE FILE, THAT WOULD BE ABOUT 12 MEGABYTES.

Neil: OH, OKAY.

Leo Laporte: IF YOU WANT TO GO LOWER, YOU CAN, AND STEVE, STEVE SAYS, "WHAT ABOUT PEOPLE ON DIAL-UP? I WANT EVERYBODY TO HEAR OUR PODCAST." SO HE ALSO PUTS OUT A 16-KILOBIT VERSION.

Steve Gibson: WELL, AND I MEAN IT'S --

Leo Laporte: (Laughing)
YOU CAN HEAR THE DIFFERENCE.

Steve Gibson: UH... I MEAN --

Leo Laporte: (Mumbling)

Steve Gibson: YOU HAVE TO REALLY WANT TO BE LIMITING YOUR BANDWIDTH TO GO 16, BUT IT'S A QUARTER OF THE SIZE.

Leo Laporte: AND THAT'S THE POINT.

DO WE HAVE AUDIO COMING OUT OF
MY COMPUTER?

CAN I PLAY THAT FOR THEM?

DO YOU KNOW?

ALL RIGHT, LET ME --

I'LL GO TO `grc.com` SLASH

`securitynow`, AND I'LL --

NOW, WHEN IT'S 16-KILOBIT, THESE
ARE VERY MUCH SMALLER FILES THAN
THEY USED TO BE, SO ACTUALLY LET
ME PLAY FOR YOU --

HERE IS --

HERE IS EPISODE 122.

LET ME PLAY FOR YOU FIRST THE
HIGH-QUALITY VERSION OF THE
FILE, WHICH IS EIGHT --

NOW, THIS WAS --

HOW LONG IS THIS SHOW?

THIS IS PROBABLY AN HOUR AND
20 MINUTES, 35 MEGABYTES.

SO WE'LL JUST PLAY A LITTLE BIT
OF THIS FOR YOU.

I DON'T KNOW IF YOU'LL BE ABLE
TO HEAR IT OR NOT.

Woman: (On podcast)

"PEOPLE YOU TRUST."

(Mellow synthesizer music)

Leo Laporte: I'M GONNA SKIP AHEAD A LITTLE BIT.
WELL, REMEMBER, WITH SPEECH, THE
QUALITY DOESN'T HAVE TO BE AS HIGH QUALITY.

Leo Laporte: (On podcast)

(Laughing)

"IT MAY BE YOUR GRANDSON"

"THAT DOES IT."

(Laughing)

Leo Laporte: (In person)

SO, SO THIS IS STEVE AND ME TALKING.

Leo Laporte: (On podcast)

"KIND OF OPEN-ENDED."

"BUT WE WANT TO MENTION"

"THE --"

Steve Gibson: (On podcast)

"LCD SCREEN."

Leo Laporte: (In person)

NOW, THIS IS FULL-QUALITY.

SO THAT'S --

NOW, THAT IS A 64-KILOBIT.

NOW, I'M GONNA GO BACK, AND I'M

GONNA PLAY --

THAT'S 35 MEGABYTES FOR AN HOUR

AND A HALF.

NOW THIS IS THE 16-KILOBIT.

IT'S A LOT SMALLER.

IT'S 8.8 MEGABYTES.

Steve Gibson: ONE-QUARTER OF THE SIZE.

Leo Laporte: AND YOU --

I THINK, YOU KNOW, THE GOOD NEWS

IS THIS IS GONNA LOAD MUCH

FASTER, IT'S GONNA DOWNLOAD MUCH

FASTER, AND IN TERMS OF VOICE,

IT PROBABLY WON'T MAKE THAT MUCH

DIFFERENCE.

LISTEN HERE.

(Voices overlapping)

Steve Gibson: (Faintly on podcast)

"YES, AND I WANTED TO"

"MAKE SURE THAT PEOPLE"

"KNEW THAT VERISIGN'S"

"CARDS ARE DIFFERENT --"

Leo Laporte: I DON'T KNOW IF
YOU CAN HEAR IT, BUT THERE'S
KIND OF A WOOSHY, GARBLY QUALITY
TO IT.

Steve Gibson: (Faintly on podcast)

"PLOP MY BUTT DOWN ON"

"HARD CHAIRS WITHOUT A"

"SECOND THOUGHT."

"I MEAN IT IS AMAZING"

"THAT --"

Leo Laporte: BUT COMPLETELY LEGIBLE.
YOU CAN COMPLETELY UNDERSTAND HIM.
SO WHAT I WOULD SUGGEST, NEIL,
IS OFFER BOTH.
FOR PEOPLE WHO HAVE HIGH BANDWIDTH --
DO YOU THINK A LOT OF YOUR
PARISHIONERS HAVE BROADBAND?

[Pop captions up]

Neil: I DON'T KNOW.

I HAVE IT MYSELF.

Leo Laporte: YEAH.

Neil: (Laughing)

BUT --

YES, BUT WE CERTAINLY DO HAVE
PEOPLE WITH DIAL-UP --

Leo Laporte: YEAH, SO I WOULD JUST --
AND MAKE IT EASY ON THESE PARISHIONERS.
DON'T SAY "IT'S 64-KILOBIT, 16-KILOBIT."
DO AS STEVE SAYS, YOU KNOW,

"THIS IS FOR PEOPLE WITH HIGH BANDWIDTH OR WHO WANT HIGH QUALITY, AND THIS IS FOR PEOPLE ON DIAL-UP."

[Pop captions down]

Leo Laporte: AND PEOPLE ON DIAL-UP ARE GONNA HAVE TO JUST LIVE WITH THE FACT THAT IT'S EIGHT -- YOU KNOW, THE QUALITY'S NOT AS GOOD. COMPLETELY INTELLIGIBLE. I'LL TELL YA, I HEAR A LOT OF INTERNET AUDIO DISTRIBUTED IN 16-KILOBIT.

WHEN IT'S 16-KILOBIT, THAT IS A PRETTY SMALL FILE.

I MEAN WE'RE TALKING AN HOUR AND A HALF. A 25-MINUTE SERMON WOULD ONLY BE A COUPLE OF MEGABYTES, SO IT WOULD BE VERY SMALL, A VERY QUICK DOWNLOAD EVEN FOR PEOPLE WITH DIAL-UP.

Neil: ALL RIGHT.

IS THERE MUCH TO BE GAINED FROM ZIPPING A FILE?

Leo Laporte: SAY AGAIN?

Neil: IS THERE ANYTHING TO BE GAINED FROM ZIPPING A FILE?

Leo Laporte: NOT AT ALL.

AND THE REASON IS IS ZIPPING IT IS WHAT WE CALL LOSSLESS COMPRESSION, AND IT WORKS BY LOOKING FOR REDUNDANCIES IN THE INFORMATION AND SHRINKING THAT

FILE SIZE BY ELIMINATING REDUNDANCIES.

THE PROBLEM IS AN AUDIO FILE HAS

VERY FEW OR IF ANY REDUNDANCIES.

IT'S ALMOST RANDOM BITS, SO THERE'S --

IT CANNOT BE SHRUNK MUCH, MAYBE

10% AT MOST, SO ZIPPING SAVES

YOU NOTHING, AND IT JUST

ACTUALLY SLOWS DOWN YOUR LISTENER.

YOU NOTICE I WAS ABLE TO START

PLAYING THESE AS SOON AS I

STARTED DOWNLOADING THEM, AND

THAT'S KIND OF WHAT YOU WANT.

IT'S KIND OF A PSEUDO-STREAMING,

AND THAT'S JUST THE NATURE OF MP3'S.

ALMOST EVERYBODY ON ANY SYSTEM,

MAC, WINDOWS, LINUX, ANY SYSTEM,

CAN START HEARING THAT FILE AS

SOON AS THEY START DOWNLOADING IT.

SO MY SUGGESTION IS OFFER TWO,

ONE IN 64-KILOBIT MONO -- THAT'S

GONNA BE VERY HIGH-QUALITY,

CD QUALITY FOR PEOPLE WHO HAVE

THE BANDWIDTH -- AND THEN A

16-KILOBIT MONO FOR PEOPLE WHO

DON'T HAVE THE BANDWIDTH.

THAT'S ABOUT AS SMALL AS YOU CAN

GET AND STILL BE INTELLIGIBLE.

OKAY?

Neil: THANK YOU.

Leo Laporte: THANKS FOR THE CALL.

I REALLY APPRECIATE IT.

ALL RIGHT, TAKE CARE NOW.

(Indiscernible)

(Quiet techno music)

Leo Laporte: YOU'RE WELCOME.
THANK YOU FOR LISTENING OR
WATCHING OR WHATEVER YOU'RE DOING.
ALL RIGHT, NOW LET'S WALK OVER HERE.
SPEAKING OF WATCHING, OOH!

Sean Carruthers: YES.

Leo Laporte: WE'VE GOT A BLU-RAY PLAYER.
SEAN HAS A SHINY.
WHAT IS THIS SHINY?

Sean Carruthers: WELL, YOU
MENTIONED STEVEN SPIELBERG
EARLIER, SO I RAN OUT AND GOT
"CLOSE ENCOUNTERS" FOR THIS.

Leo Laporte: (Humming music from movie)

[Pop captions up]

Sean Carruthers: SO WE'RE LOOKING AT THE NEW SAMSUNG
BD-P1400.
IT'S ACTUALLY NOT BRAND NEW BUT NEWISH.
IT'S THE SECOND OR THIRD
GENERATION OF SAMSUNG'S PLAYERS --

[Pop captions down]

Leo Laporte: THIS ONLY PLAYS THE BLU-RAY FORMAT.

Sean Carruthers: IT ONLY PLAYS BLU-RAY.

Leo Laporte: OKAY.

Sean Carruthers: SO IF YOU WANT HD DVD,
YOU'RE OUT OF LUCK HERE.
BUT THE GOOD NEWS IS THIS HAS
COME WAY DOWN SINCE THE INITIAL
INTRODUCTION OF BLU-RAY.
IT'S DOWN TO \$499 FOR THE PLAYER ITSELF.

Leo Laporte: WOW.

Sean Carruthers: IT'S HIGH-END IN TERMS OF QUALITY.

[Pop captions up]

Sean Carruthers: IT'S ADDED A BUNCH OF AUDIO SUPPORT THAT WASN'T IN THE FIRST GENERATION OF BLU-RAY.

Leo Laporte: NOW I HAVE TO ASK YOU A QUESTION.

Sean Carruthers: MM-HMM.

Leo Laporte: I CAN GET A SONY PLAYSTATION 3 FOR 100 BUCKS LESS THAT ALSO HAS A BLU-RAY PLAYER.

[Pop captions down]

Leo Laporte: IS THAT BLU-RAY PLAYER IN THE SONY PS3 ANY WORSE THAN THE ONE IN HERE? I'LL TELL YOU THE ANSWER. NO.

(Laughing)

Sean Carruthers: NO.

Leo Laporte: SO THAT'S SOMETHING TO KEEP IN MIND IS THAT IF YOU -- UNLESS YOU DON'T WANT A GAMING SYSTEM IN YOUR HOUSE, YOU MIGHT SAVE SOME MONEY JUST BY GETTING A SONY PS3. THEY'RE AGGRESSIVELY PRICING THOSE, RIGHT?

Sean Carruthers: RIGHT.

WHAT YOU HAVE ON THIS ONE IS YOU HAVE A NUMBER OF DIFFERENT TYPES OF COMPONENT OUTPUTS ON THE BACK OF THIS ONE SO YOU DON'T HAVE TO --

(Both talking at once)

Leo Laporte: YEAH, THAT'S

PROBABLY THE BIGGEST DIFFERENCE.

IN TERMS OF QUALITY, THOUGH,
THEY'RE PRETTY MUCH THE SAME.

Sean Carruthers: THE QUALITY
IS VERY GOOD ON THIS ONE AS IT
IS ON THE SONY.

SO AGAIN, YOU'RE PAYING FOR THE
DESIGN HERE.

IT LOOKS NICE INSIDE YOUR RACK.
YOU DON'T HAVE TO HIDE IT LIKE A
PS3 AND TRY TO WEDGE IT IN SOMEHOW.

Leo Laporte: RIGHT.

Sean Carruthers: SO ANYWAYS, THAT'S IT.

Leo Laporte: IT'S ALSO A LITTLE QUIETER.

Sean Carruthers: IT'S A LITTLE BIT QUIETER.

[Pop captions up]

Sean Carruthers: IT BOOTS UP FASTER THAN THEY DID BEFORE.

Leo Laporte: RIGHT.

Sean Carruthers: WITH BLU-RAY DISK,
IT IS STILL A LITTLE BIT SLOWER.

Leo Laporte: RIGHT.

Sean Carruthers: THAT'S JUST THE NATURE OF BLU-RAY
UNFORTUNATELY.

IT'S A COMPUTER BOOTING UP ESSENTIALLY.

Leo Laporte: WE JUST GOT THE
NEW "BLADE RUNNER" FINAL CUT!
I CAN'T WAIT TO WATCH THAT, TOO.

Sean Carruthers: SO THERE WE GO.
SO THE GOOD THINGS, 1080p OUTPUT
ON THIS AS WITH THE PREVIOUS
ONE, FASTER BOOTUP THAN BEFORE,
AND IT DOES HAVE BETTER AUDIO
SUPPORT THAN THE PREVIOUS GENERATION.

AS I SAID, IT DOES HAVE LONG
PAUSES WHEN YOU'RE USING THE
MENU SYSTEM.

IT IS A LITTLE BIT FINICKY THAT
WAY STILL, AND I THINK THAT'S
THE SAME CASE WITH HD DVD
ANYWAYS, AND IT IS SOMETIMES
NOISY WHEN YOU OPEN UP A DRAWER,
AND YOU CAN HEAR THE FAN AND ALL
OF THAT STUFF.

[Pop captions down]

Leo Laporte: THESE ARE COMPUTERS.

Sean Carruthers: THEY'RE COMPUTERS.

[Pop captions up]

Leo Laporte: YEAH, WHICH IS
ONE OF THE REASONS THAT THE
PLAYSTATION 3 MAKES SUCH A GOOD
BLU-RAY PLAYER.

IT'S A VERY POWERFUL COMPUTER IN THERE!
IT'S ACTUALLY A LITTLE FASTER
THAN THIS ONE.

[Pop captions down]

Leo Laporte: ANYWAY, THERE YOU GO.
THE GOOD NEWS IS THE PRICE ON
BOTH HD DVD AND BLU-RAY IS
FALLING PRECIPITOUSLY.

Sean Carruthers: YES.

[Pop captions up]

Leo Laporte: YOU CAN NOW GET
AN HD DVD PLAYER FOR EVEN LESS,
FOR 200 BUCKS, SO FINALLY
THEY'RE BECOMING AFFORDABLE, AND
THERE ARE SOME GOOD MOVIES OUT THERE.

ALL RIGHT, WE'RE GONNA TAKE A
BREAK AND COME BACK WITH MORE OF
YOUR CALLS IN JUST A BIT, BUT
FIRST, OUR QUIZ QUESTION OF THE DAY.
ARE YOU READY?

Sean Carruthers: I'M READY.

Leo Laporte: LET'S ASK THIS QUESTION.
WHICH OF THE FOLLOWING BROADBAND
ROUTER FEATURES -- STEVE, YOU'RE
NOT ALLOWED TO ANSWER THIS --
KEEPS YOUR LOCAL IP ADDRESS FROM
BEING DIRECTLY ACCESSIBLE TO THE
OUTSIDE WORLD?
IS IT NAT, WPA, PPPoE, OR A PADLOCK?

(Funky techno music)

Leo Laporte: I DON'T KNOW.

GO TO THE WEBSITE.
WE'LL FIND OUT WHEN
"THE LAB" CONTINUES.
YOU STAY HERE.

[MUSIC]

[Pop captions down]

COMMERCIAL

(Theme music playing)

[Pop captions up]

Kate Abraham: HEY, WELCOME
BACK TO "THE LAB WITH LEO."
I'M KATE ABRAHAM, AND NOW IT'S
TIME FOR MY TIP OF THE DAY, AND
THIS IS A GREAT TIP FOR ANYBODY
OUT THERE WITH KIDS.

[Pop captions down]

Kate Abraham: IF YOU WANT

THEM TO LEARN USING THE
INTERNET, BUT YOU'RE NOT TOO
SURE WHICH WEBSITES THEY'RE
GOING TO, brainpop.com.

Leo Laporte: HUH!

Kate Abraham: IT'S A REALLY
COOL SITE, VERY ENGAGING AND
VERY COLOURFUL.

[Pop captions up]

Kate Abraham: THE COOL THING
IS IS IT ACTUALLY HELPS CHILDREN
LEARN VERY INTUITIVELY BY
BREAKING DOWN INTO DIFFERENT
SUBJECTS, SAY, FOR INSTANCE,
SCIENCE, SOCIAL STUDIES, ENGLISH.

(Leo making popping sound)

[Pop captions down]

Kate Abraham: THE REALLY COOL
THING IS THAT IT ACTUALLY HAS
600 MOVIES FROM GRADES 3 TO 12.
NOW, IT'S A SUBSCRIPTION
SERVICE, SO YOU'RE LOOKING AT
AROUND ABOUT \$99 FOR A FAMILY
FOR THE YEAR.

(Leo making popping sound)

Kate Abraham: WERE YOU POPPING YOUR BRAIN OUT TO ME?

Leo Laporte: (Laughing)

I AM.

(Laughing)

Kate Abraham: AND THE COOL
THING IS IT'S ALL BY MOVIE, SO
THE GREAT THING IS --
I DON'T KNOW IF YOU CAN HEAR THIS.

LET ME JUST CRANK UP MY AUDIO.

(Leo making popping sound)

MaN on movie: "I DON'T THINK THIS WAS"

"DESIGNED TO BE FLOWN BY"

"A 500-POUND ROBOT."

(Beep)

Leo Laporte: HOW FUN!

Kate Abraham: THERE YOU GO.

SO THIS --

Leo Laporte: IT'S 100 BUCKS, THOUGH?

Kate Abraham: IT'S 100 BUCKS.

THEY ACTUALLY DO HAVE SOME FREE
VIDEOS ON THERE, SO --

Leo Laporte: I WONDER HOW
WELL THOSE DO IF PEOPLE HAVE TO
PAY 100 BUCKS FOR THOSE.

Kate Abraham: I THINK THEY'RE
VERY, VERY SUCCESSFUL WITH LIKE
PUBLIC LIBRARIES AND SCHOOLS.

Leo Laporte: AH!
OF COURSE, THAT MAKES SENSE.
ONE SCHOOL BUYS IT FOR 100 BUCKS.

Kate Abraham: EXACTLY.
AND A SCHOOL LICENSE WOULD
OBVIOUSLY WORK OUT A LOT CHEAPER.

Leo Laporte: YEAH.

Kate Abraham: FOR A FAMILY,
IT'S ABOUT \$100 A YEAR, BUT I MEAN IT'S --
THE COOL THING IS IS THERE ARE
LIKE 600 DIFFERENT VIDEOS,
DIFFERENT AGE RANGES, DIFFERENT
LEVELS, SO THAT'S KIND OF COOL.
IT'S A VERY EASY WAY TO LEARN AS WELL.

Leo Laporte: IF YOU'RE DOING
HOMESCHOOLING, YOU MIGHT WANT TO
GET TOGETHER WITH OTHER PARENTS,
AND THIS WOULD BE A GREAT
RESOURCE FOR YOU.

Kate Abraham: YEAH,
ABSOLUTELY, AND ANOTHER GOOD
THING IS KIND OF IT DOESN'T TALK
DOWN, I FIND.

DO YOU KNOW WHAT I MEAN?

Leo Laporte: I LIKE THAT, YEAH.

Kate Abraham: IT DELIVERS THE
INFORMATION FOR THE CHILD
WITHOUT IT BEING TOO KIND OF
LIKE, YOU KNOW, DEMEANING, SO
IT'S A GOOD SITE.

SO IT'S brainpop.com.

(Leo makes popping sound)

(Kate makes popping sound)

(Leo makes popping sound)

Leo Laporte: THAT'S VERY GOOD!

(Laughing)

Kate Abraham: THERE YOU GO!

(Indiscernible)

THANK YOU.

Leo Laporte: LET'S GET A --

(Laughing)

Kate Abraham: OKAY.

Leo Laporte: ALL RIGHT, NOW
EVERYBODY'S GONNA BE DOING IT.
LET'S GET ANOTHER CALLER ON THE
AIR HERE.

Kate Abraham: OKAY, WE'RE GOING TO ST. CATHARINES IN

ONTARIO, AND WE HAVE T.J.

Leo Laporte: HEY, T.J.!

THANK YOU, KATE.

Kate Abraham: THANK YOU.

Leo Laporte: HOW ARE YOU TODAY, T.J. TODAY?

[Pop captions up]

T.J.: I'M DOING GOOD. YOURSELF?

Leo Laporte: I'M VERY WELL.

WELCOME TO "THE LAB!"

WHAT CAN I DO FOR YA?

T.J.: WELL, I'VE BEEN LOOKING
AROUND FOR A PRODUCT, A DEVICE
THAT WOULD CONNECT MY FILES ON
MY COMPUTER TO MY TV WIRELESSLY.

Leo Laporte: OH, YEAH, THIS
IS ONE FOR SEAN CARRUTHERS
BECAUSE HE'S SHOWN US ALREADY --

[Pop captions down]

Leo Laporte: AND HE JUST LEFT, DIDN'T HE?
HE JUST RAN OUT THE DOOR.
COME BACK HERE, SEAN!
YOU'VE SHOWN US A BUNCH OF THESE.
THESE ARE THE DEVICES THAT LET YOU --
IN FACT, HERE'S ONE THAT WE WERE
JUST GONNA TALK ABOUT THE OTHER DAY.

Sean Carruthers: RIGHT.

Leo Laporte: THESE --
THIS HOOKS UP TO YOUR TV.
THIS IS THE D-LINK MEDIA GEAR...

Sean Carruthers: IT'S THE
MEDIALOUNGE DSM-520.

Leo Laporte: MEDIALOUNGE DSM-520.

Sean Carruthers: YEAH.

Leo Laporte: SO THE IDEA IS
THIS HOOKS UP TO YOUR TV SET.
YOU SEE IT HAS --
IN THE BACK, IT HAS COMPONENT OR
COMPOSITE VIDEO CONNECTIONS, AND
THEN IT ALSO HAS AN ETHERNET
CONNECTOR HERE OR A WI-FI ADAPTER.

[Pop captions up]

Leo Laporte: SO YOU WOULD
HAVE SOFTWARE ON YOUR PC THAT
THIS WOULD SEE AND ALLOW YOU TO
CONTROL FROM YOUR TV THE
SOFTWARE ON THE PC AND PLAY BACK
VIDEO, MUSIC, EVEN PHOTOS FROM
YOUR PC.

SO THAT'S ONE.

THIS IS THE D-LINK MEDIALOUNGE.

[Pop captions down]

Leo Laporte: IT'S ABOUT 300 BUCKS, SOMETHING LIKE THAT?

Sean Carruthers: IT'S \$249.

Leo Laporte: \$249, OKAY.

AND THEN HERE'S ANOTHER ONE.

Sean Carruthers: THIS ONE'S
THE MEDIA GATE, AND THIS IS A
DO-IT-YOURSELF ONE.

IT --

Leo Laporte: THIS DOESN'T
HAVE A HARD DRIVE IN IT.

Sean Carruthers: IT DOESN'T
HAVE A HARD DRIVE, BUT IT ALLOWS
YOU TO PUT ONE IN.

Leo Laporte: SO, AND THE
ADVANTAGE OF THAT IS, LIKE

APPLE TV, YOU COULD GET THE DATA OFF THE PC OVER THE NETWORK AND THEN RUN IT FROM THE HARD DRIVE. THE ADVANTAGE OF THAT IS SOMETIMES THE NETWORK'S TOO SLOW TO STREAM THE VIDEO FULL-TIME, SO IF YOU DO THIS AHEAD OF TIME, YOU CAN RUN IT RIGHT OFF THE HARD DRIVE, AND THAT'S A LOT FASTER, BUT YOU STILL -- YOU KNOW, HERE'S THE IDEA.

STILL, IT'S NETWORKABLE, CONNECTS TO THE TV.

ALL THESE WILL BE THE SAME.

THIS ONE HAS S-VIDEO, WHICH IS KIND OF NICE, AND A DVI.

THAT'S REALLY NICE.

YOU LOOK FOR --

I WOULD SAY LOOK FOR ONE THAT HAS A DIGITAL OUTPUT IF POSSIBLE, EITHER DVI OR HDMI IF YOUR TV SUPPORTS IT BECAUSE THAT'S GONNA BE BETTER QUALITY.

WHAT KIND OF TV ARE YOU USING?

T.J.: I'M LOOKING TO BUY A NEW ONE, SO IT'LL BE AN HDTV ONCE I BUY A NEW ONE.

Leo Laporte: SO THE HDTV'S ALL USE HDMI. AND NOW SOME OF THESE DEVICES ARE CAPABLE OF HIGH-DEF, AND SOME ARE NOT.

THAT'S ANOTHER THING, TOO --

Sean Carruthers: RIGHT.

Leo Laporte: TO CHECK OUT.
FOR INSTANCE, THE APPLE TV,
WHICH I USE AT HOME, DOES NOT DO
HIGH-DEF.
IT'LL DO 480p, WHICH IS DVD
QUALITY, BUT IT WON'T DO
HIGH-DEF, AT LEAST NOT WITH THE
MATERIAL YOU GET FROM THE APPLE
STORE -- THERE ARE WAYS AROUND
THAT -- BUT JUST OUT OF THE BOX.
SO THESE ARE THREE DIFFERENT
SOLUTIONS, AND THEY ARE THREE OF DOZENS.
THERE'S A LOT MORE COMING ALL THE TIME.
OF ALL THE ONES YOU'VE TRIED,
SEAN, WHICH ONE DO YOU LIKE THE BEST?

Sean Carruthers: FROM A USER
INTERFACE PERSPECTIVE, I STILL
LIKE THE APPLE TV THE BEST --

Leo Laporte: MM-HMM.

Sean Carruthers: ALTHOUGH IT
IS LIMITED TO PEOPLE WITH iTUNES.

[Pop captions up]

Sean Carruthers: I THINK IF YOU HAVE A WINDOWS MACHINE, THE
DSM-520 FROM D-LINK IS A GREAT
CHOICE, TOO, BECAUSE IT PLAYS
SUCH A WIDE VARIETY OF FORMATS
WITHOUT TRANSCODING.

Leo Laporte: BUT THESE ARE JUST THREE.
I MEAN AS I SAID, THERE ARE A
LOT OF DIFFERENT SOLUTIONS.
THIS HAS BECOME A VERY --
WELL, YOU'RE NOT ALONE.
LIKE A LOT OF PEOPLE, YOU HAVE A

LOT OF CONTENT ON YOUR COMPUTER
NOW, EITHER COMING IN, STREAMING
OFF THE INTERNET OR SAVED ON THE
COMPUTER, AND THE THING IS THIS
IS ALL ABOUT GETTING IT TO YOUR
TV, WHICH IS NOWHERE NEAR YOUR
COMPUTER, RIGHT?

[Pop captions down]

Leo Laporte: SO DO ANY OF
THOSE SOUND LIKE THEY FIT THE
BILL FOR YOU?

T.J.: YEAH, THE D-LINK I'D
LOOKED UP ON, AND IT LOOKED LIKE
IT FIT THE BILL.

I JUST WANTED TO SEE IF THERE
WAS ANY THAT I HADN'T NOTICED YET.

Leo Laporte: OH, I MEAN I CAN GO ON AND ON AND ON.

(Laughing)

WE'RE JUST SCRATCHING THE SURFACE.
I THINK D-LINK MAKES GOOD GEAR.
NETGEAR ALSO DOES THIS.

Sean Carruthers: MM-HMM.

Leo Laporte: LINKSYS HAS ONE.
I MEAN EVERYBODY NOW IS MAKING THEM.
ROKU LABS, DOES THAT DO VIDEO OR
JUST AUDIO, BECAUSE WE REALLY
LIKED THE ROKU --

Sean Carruthers: WELL, AS WE'RE RECORDING THIS, IT JUST
DOES AUDIO AS FAR AS I'M AWARE, BUT --

Leo Laporte: ANY DAY NOW.

Sean Carruthers: YOU KNOW,
CES IS JUST AROUND THE CORNER AS
WE'RE TAPING, SO THERE COULD BE

LIKE A JILLION MORE COME OUT BY
THE TIME YOU SEE THIS --

Leo Laporte: THAT'S A GOOD POINT, YEAH.
CES IS THE SECOND WEEK IN
JANUARY OF 2008, SO BY THE TIME
YOU SEE THIS SHOW, EVERYTHING WE
HAVE TOLD YOU, COMPLETELY OBSOLETE.
THERE'LL BE ALL --

Sean Carruthers: (Laughing)

Leo Laporte: THERE'LL BE ALL NEW STUFF!
BUT ONE THING I CAN TELL YOU,
THE FUNCTIONALITY WILL BE
BETTER, AND THE PRICES WILL BE LOWER.
I THINK THIS IS A VERY HOT
CATEGORY, AND THERE'S NO REASON
TO BELIEVE THIS WON'T BE MORE
AND MORE VERY GOOD DEVICES THAT
DO THIS.
YOU'RE ACTUALLY IN THE SWEET
SPOT BECAUSE YOU'RE TRYING TO DO
WHAT EVERYBODY ELSE WANTS TO DO
AT THIS POINT.

OKAY?

T.J.: ALL RIGHT, SOUNDS GOOD.

Leo Laporte: HEY, I THANK YOU FOR THE CALL.
I REALLY APPRECIATE IT.

YEAH, IF YOU --

NOW, WE'RE TAPING THIS BEFORE CES.

(Funky techno music)

Leo Laporte: CES, REMEMBER,
THE COMPUTER ELECTRONICS SHOW,
MOST OF THE STUFF ANNOUNCED AT
CES ISN'T AVAILABLE UNTIL MUCH

LATER IN THE YEAR, SOMETIMES NOT UNTIL A YEAR FROM, YOU KNOW, NOW, SO JUST BECAUSE IT'S AVAILABLE OR ANNOUNCED AT CES DOESN'T MEAN YOU CAN BUY IT. ON THE OTHER HAND, IT IS A HARBINGER OF WHAT'S TO COME, AND YOU OFTEN GET AN IDEA OF WHAT KIND OF CAPABILITIES. WE'VE BEEN WAITING SINCE LAST CES -- I'LL GIVE YOU A GOOD EXAMPLE -- FOR SLING LABS TO COME UP WITH THEIR -- WHAT WAS IT CALLED -- THE SLING, SLING MEDIA PLAYER? THEY'RE THE GUYS WHO DO THE SLINGBOX. WE LOVE THEIR STUFF. THEY ANNOUNCED AN APPLE TV CLONE -- ACTUALLY, IT WAS SUPPOSED TO BE BETTER THAN APPLE TV -- AND IT STILL ISN'T OUT. THEY WERE GONNA BE OUT LAST SPRING. SO THERE ARE ANOTHER, A NUMBER OF OTHER OPEN SOURCE AND INTERESTING CHOICES IN THIS MARKET AS WELL. IN FACT, I'M GONNA TRY AND REMEMBER THE NAME, BUT IT'LL COME TO ME, AND I'LL TELL YOU ABOUT THAT. IT'S AN OPEN SOURCE CHOICE AS WELL.

[Pop captions up]

Leo Laporte: ALL RIGHT, WE'RE

GONNA TAKE A BREAK AND COME BACK
WITH MORE OF YOUR CALLS IN JUST
A LITTLE BIT.

ALSO, SUSIE GARDNER WITH OUR
WEB WORKSHOP.

SHE'S GONNA DECOMPOSE,
DECONSTRUCT AND HUMILIATE ONE
LUCKY VIEWER WHEN WE CONTINUE.
YOU STAY RIGHT HERE.

(Singers vocalizing)

[MUSIC]

SIX, FIVE TO COMMERCIALS, FOUR, THREE, TWO, ONE...

[MUSIC]

[Pop captions down]

COMMERCIAL

(Theme music playing)

Leo Laporte: WELCOME BACK TO "THE LAB."

LET'S GET ANOTHER CALL IN HERE.

KATE ABRAHAM HAS ANOTHER CALL.

Kate Abraham: LOOK AT THAT SKYPE.

ISN'T THAT FANTASTIC?

Leo Laporte: UNBELIEVABLE!

Kate Abraham: IT'S SO GOOD! THIS IS SHAWN.

HE IS FROM INDIAN RIVER IN MICHIGAN.

Leo Laporte: WOW, GREAT PICTURE.

[Pop captions up]

Leo Laporte: HELLO, SHAWN.

HOW ARE YOU TODAY?

Shawn: HI!

DOING GREAT, LEO!

Leo Laporte: LET ME ASK YOU,

WHAT KIND OF CAMERA ARE YOU

USING FOR THIS?

Shawn: IT'S ACTUALLY THE
CAMERA ON MY MACBOOK PRO.

Leo Laporte: OH, ONCE AGAIN, IT'S THOSE iSIGHTS.
THEY REALLY LOOK GREAT.

I MEAN IT'S JUST A SPECTACULAR
PICTURE, BUT ALSO GOOD LIGHTING,
AND I WANT TO EMPHASIZE THAT.
LIGHTING IS SO IMPORTANT, DON'T
YOU FIND?

ANYWAYS, SHAWN, I'M SORRY.

WE DIDN'T MEAN TO --

WHAT CAN I DO FOR YA?

(Chuckling)

Shawn: THE IRONY IS THAT
LIGHTING ACTUALLY ISN'T A
PROBLEM FOR ME.

I'M DOING THE REVIEW VIDEOS FOR linuxjournal.com.

Leo Laporte: OH, NO WONDER! YOU'RE A PRO!
AHA!

Shawn: YEAH, IF YOU THINK
THAT PROFESSIONALISM PRECEDES
THE PRODUCT, THEN --

(Laughing)

[Pop captions down]

Leo Laporte: I LOVE THE LINUX JOURNAL.
SO WHERE ARE YOUR VIDEOS ON LINUX JOURNAL?

Shawn: IF YOU GO TO
linuxjournal.com, I'M THERE ON THE RIGHT-HAND SIDE.
I'M THE GUY THAT LOOKS A LOT
LIKE THE PERSON ON THE SCREEN HERE.

Leo Laporte: (Laughing)

I THINK THAT'S YOU.

Shawn: I REVIEW LINUX-BASED

PRODUCTS OR THINGS THAT HAVE TO
DO WITH THE OPEN SOURCE COMMUNITY.

Leo Laporte: ARE YOU REVIEWING THE ASUS EEE PC HERE?

Shawn: YES, I AM, IN FACT.

Leo Laporte: THAT'S GREAT.

[Pop captions up]

Leo Laporte: SO YOU CLEARLY
HAVE SOME EXPERIENCE DOING VIDEO.

THIS IS GREAT!

YOU'VE GOT THE --

WHAT KIND OF LIGHTS ARE YOU USING?

Shawn: (Chuckling)

PRETTY MUCH WAL-MART SPECIALS.

[Pop captions down]

Shawn: JUST OUT OF FRAME IS
ABOUT THE MOST REDNECK STUDIO
YOU CAN IMAGINE.

Leo Laporte: WELL, THAT'S ALL
THAT MATTERS!

THAT'S THE SAME WITH US, BY THE WAY.

YOU KNOW, WE --

(Indiscernible)

Leo Laporte: (Laughing)

WE PRETTY MUCH JERRY-RIG THIS
WHOLE THING.

NO, IN FACT, I THINK THIS IS THE
THING THAT'S NEAT ABOUT DIGITAL
VIDEO IS IT DOESN'T TAKE A WHOLE
LOT TO LOOK VERY PROFESSIONAL.

YOU'RE DOING SCREEN GRABS.

I MEAN I REMEMBER WHEN WE
STARTED TECH TV 10 YEARS AGO
NOW, WE WERE BAFFLED AT HOW TO

DO ALL OF THIS STUFF, AND THEN,
OF COURSE, NOW IT'S SOMETHING
THAT CAN BE COMMONLY DONE WITH
HOME VIDEO.

THAT'S REALLY REMARKABLE.

THIS LOOKS GREAT.

SO WHAT CAN I DO TO HELP YOU?

Shawn: WELL, IF YOU'RE
WATCHING THE VIDEO, YOU PROBABLY
HAVE THE SOUND OFF.

Leo Laporte: I DO.

Shawn: AND THAT MIGHT BE A
GOOD THING BECAUSE IF YOU TURN
THE SOUND ON, THAT'S WHAT MY
CALL IS ABOUT.

Leo Laporte: OKAY.

Shawn: I'M USING --
AGAIN, THAT OUT OF FRAME
EQUIPMENT IS JUST AN OLD
EIGHT-MILLIMETRE DIGITAL CAMERA --

Leo Laporte: MM-HMM.

Shawn: AND I'M USING THE
MICROPHONE BUILT-IN, AND THE
AUDIO'S NOT SO GREAT.

IT KIND OF SOUNDS LIKE I'M
TALKING INTO A PRINGLE --

Shawn: (On video)

WHEN I SAY ULTRA PORTABLE --"

Leo Laporte: LET'S LISTEN.

Shawn: (On video)

"THIS THING COULD"

"PROBABLY FIT INTO YOUR POCKET."

"IT HAS A SEVEN-INCH LCD"

"SCREEN, AND --"

Leo Laporte: ALL RIGHT, I CAN
TELL WHAT YOU'RE TALKING ABOUT.
I'M GETTING A LOT OF THE ROOM SOUND.
I'M GETTING ECHO FROM THE ROOM
AND THAT KIND OF THING.

Shawn: EXACTLY.

Leo Laporte: NOW, THE PICTURE'S SPECTACULAR.
YOU'RE DOING A GREAT JOB WITH IT.
IT'S JUST THAT YOU'RE GETTING
ROOM TONE, AND THAT'S BECAUSE
YOU'RE USING AN OMNIDIRECTIONAL MIC.
ARE YOU USING THE MIC ON THE CAMERA?

Shawn: EXACTLY, YEAH.

Leo Laporte: YEAH.

[Pop captions up]

Leo Laporte: PRETTY TYPICALLY, THOSE ARE
OMNIDIRECTIONAL BECAUSE THE IDEA
IS MOM AND DAD ARE HOLDING THE
CAMERA, AND THEIR KIDS ARE
RUNNING AROUND, AND THEY WANT TO
CAPTURE EVERYTHING THAT HAPPENS
OUT THERE.

THAT'S NOT THE CASE FOR YOU.
IN YOUR CASE, WE JUST WANT TO
HEAR YOUR DULCET TONES.

[Pop captions down]

Leo Laporte: MY RECOMMENDATION --
I'M GONNA ACTUALLY ASK SEAN WHAT
HE THINKS BECAUSE SEAN DOES
VIDEO ALL THE TIME, BUT I'VE
TALKED TO A LOT OF VIDEO
EXPERTS, INCLUDING CRAIG

SYVERSON, THE VIDEO GRUNT, AND
ALEX LINDSAY, AND THEY RECOMMEND
A SHOTGUN MIC.
THESE ARE MICS --
IS THERE A MIC JACK ON YOUR CAMCORDER?

Shawn: THERE'S NOT, BUT I'D
LOVE TO HAVE A REASON TO UPGRADE
MY, YOU KNOW, CIRCA 1995 CAMERA.

Leo Laporte: OKAY, LET ME
RECOMMEND TWO THINGS THEN.
CAMERA-WISE, I WOULD TAKE A LOOK
AT THE PANASONIC.
IT'S VERY INAFFORDABLE --

"INAFFORDABLE?"
VERY INEXPENSIVE.
THAT MEANS IT IS AFFORDABLE.
SD1, THIS IS A HIGH-DEF, THE HDC-SD1.

IT'S ABOUT --
THE LIST IS \$1299, BUT ACTUALLY,
YOU'LL FIND IT FOR UNDER A
THOUSAND DOLLARS.
IT HAS A VERY GOOD THREE CCD PICKUP.
IT'S HIGH-DEF, SHOOTS ON FLASH,
AND IT HAS A MICROPHONE JACK.
THAT'S WHY I RECOMMEND THE SD1.

[Pop captions up]

Leo Laporte: THE MIC JACK
MEANS YOU CAN NOW PLUG IN A
SHOTGUN MIC, AND THE REASON YOU
WANT TO USE A SHOTGUN MIC IS
IT'S A HIGHLY DIRECTIONAL
MICROPHONE THAT POINTS RIGHT AT
YOU AND DOESN'T PICK UP ALL THAT

ROOM TONE.

[Pop captions down]

Leo Laporte: NOW, YOU COULD WEAR A MIC AS I AM WEARING, A LAVALIER MIC, BUT FRANKLY, THESE PICK UP MORE ROOM TONE THAN I'D LIKE.

TELEVISION SOUND IS TRADITIONALLY PRETTY BAD, AS A MATTER OF FACT.

IT'S NOTORIOUS, AND WHEN YOU LISTEN TO, FOR INSTANCE, A PODCAST OF, SAY, "FACE THE NATION" OR "MEET THE PRESS," THEY JUST SOUND AWFUL.

THEY'RE TERRIBLY MIC'ED.

SO HERE'S A CAMCORDER WITH A SHOTGUN MIC MOUNTED ON IT.

THESE ARE HIGHLY DIRECTIONAL, SO AS LONG AS THE CAMERA'S AIMED AT YOU, AND I THINK IN MOST CASES, IT'S GONNA BE, THE MIC IS AIMED AT YOUR LIPS, AND IT'S NOT GONNA PICK UP A LOT OF ROOM TONE.

THESE ARE FAIRLY INEXPENSIVE.

THE ONE THAT I WOULD RECOMMEND, THE AUDIO-TECHNICA, IS ABOUT \$250, WHICH IS VERY REASONABLE FOR A MIC OF THIS QUALITY.

IT'S THE AT835B SHOTGUN MIC.

IT DOES A VERY, VERY GOOD JOB FOR A VERY LOW PRICE.

ACTUALLY, IT'S \$239.99 STREET PRICE.

SO THE AUDIO-TECHNICA, YOU'LL

MOUNT THAT ON THE CAMERA.

YOU CAN GET ANY CAMERA.

I WOULD JUST MAKE SURE THAT YOU
LOOK FOR A CAMERA THAT HAS A
MICROPHONE JACK.

ANOTHER GOOD CHOICE WOULD BE THE
CAMERA THAT --

(Chuckling)

RAY MAXWELL IS SHOOTING WITH
RIGHT NOW, WHICH IS THE CANON --
YOU JUST CAN --

YOU DON'T HAVE TO GIVE IT TO ME.
JUST GET A SHOT OF IT.

THIS IS THE HV10, RIGHT, OR
HV20, I SHOULD SAY, RIGHT?

AND THIS IS A HIGH-DEF CAMCORDER.

LOOK WHAT HE'S GOT ON THERE, A
LITTLE SHOTGUN MIC, JUST --
THAT'S ACTUALLY A VERY
INEXPENSIVE ONE BUT DOES A GOOD JOB.

(Mellow techno music)

Leo Laporte: THE OTHER THING --
IN FACT, CRAIG SYVERSON USES ONE
JUST LIKE THAT.

THE OTHER GOOD ONE IS THE HG10.
THE HG10 GIVES YOU A HARD DRIVE
INSIDE INSTEAD OF THE TAPE
INSIDE OF THIS ONE, AND BECAUSE
IT'S A HARD DRIVE, IT'S A LITTLE
EASIER TO WORK WITH ON A COMPUTER.
BUT YOU'RE GONNA GET GREAT
RESULTS OUT OF THIS.
NOW, THIS DOESN'T COME WITH THIS

CLEVER MOUNT.

RAY'S GONNA TELL US ABOUT THAT
AT ANOTHER TIME.

BUT I DO LIKE THAT.

HOW MUCH WAS THAT SHOTGUN?

Ray Maxwell: \$249.

Leo Laporte: \$249, SO THAT'S
LIKE THE AUDIO-TECHNICA.

THAT'S ALL YOU NEED, I THINK.

HEY, GOOD JOB, linuxjournal.com.

I JUST BOUGHT THE ASUS.

HOW DID YOU LIKE IT?

Shawn: YOU KNOW, THAT --

THE ONE I'M REVIEWING IS
ACTUALLY MY CHRISTMAS PRESENT
FROM MY WIFE.

Leo Laporte: THAT IS -- THE BLACK ONE?

Shawn: YEAH.

Leo Laporte: OH, I'M JEALOUS.

I GOT IT WHEN IT WAS JUST IN WHITE.

Shawn: AH.

Leo Laporte: AND THEN MY DOG ATE MY POWER SUPPLY.
IF YOU CAN HELP ME FIND A POWER
SUPPLY, I'D BE ETERNALLY GRATEFUL.

Shawn: WELL, IT'S SO SMALL.

YOU COULD USE YOUR CELLPHONE ONE
TO PROBABLY CHARGE IT --

Leo Laporte: YEAH, YOU'D THINK, WOULDN'T YA?

(Laughing)

HEY, IT'S GREAT TO TALK TO YOU.

GOOD JOB ON LINUX JOURNAL.

THAT'S FANTASTIC.

WHAT A GREAT JOURNAL THAT IS,

AND I THINK THE VIDEOS LOOK VERY
PROFESSIONAL, AND I THINK MOST
PEOPLE PROBABLY AREN'T SAYING,
"OH, THAT VIDEO'S TERRIBLE."

THEY'RE USED TO IT.

WHAT DO YOU GUYS USE?

YOU USE LAVALIER MICS, DON'T YOU?

Sean Carruthers: WE USE LAVS

BECAUSE WE ACTUALLY MOVE AROUND
QUITE A BIT, SO WITH A SHOTGUN,
WE MIGHT DRIFT OUT OF THE --

Leo Laporte: MM-HMM.

Sean Carruthers: THE FOCUS.

SO WE TEND TO HAVE TWO SEPARATE
WIRELESS LAVS.

Leo Laporte: I THINK IT'S

PERFECT FOR SOMEONE LIKE YOU
BECAUSE YOU'RE THE SINGLE HOST.

YOU'RE GONNA STAY ON CAMERA.

IT'S GONNA AIM RIGHT AT YOU, SO

IT'S ALWAYS GONNA BE PRETTY

GOOD, AND IT REJECTS EVERYTHING

OFF AXIS, SO YOU DON'T GET ANY

OF THAT ROOM NOISE.

YOUR WIFE CAN BE IN THE OTHER

ROOM, BANGING POTS AND PANS, AND

YOU'LL NEVER HEAR IT.

HEY, THANKS FOR THE CALL.

Shawn: HEY, THANK YOU, LEO.

Leo Laporte: ALL RIGHT, TAKE CARE.

[Pop captions up]

Leo Laporte: COMING UP IN JUST A LITTLE BIT, WE'RE GONNA
TALK ABOUT WEBSITE DESIGN.

SUSIE GARDNER IS OUR WEB MAVEN,
AND SHE'S GONNA SHOW US WHY SOME
VIEWER'S SITE JUST IS TERRIBLE,
TERRIBLE, BUT WE'LL SHOW YOU HOW
TO FIX IT.

NO, SHE'S NOT GONNA BE THAT MEAN.
BUT FIRST, A QUICK QUIZ QUESTION
OF THE DAY, OUR LAST CHANCE TO
ANSWER THIS ONE.

WHICH OF THE FOLLOWING BROADBAND
ROUTER FEATURES KEEPS YOUR LOCAL
IP ADDRESS FROM BEING DIRECTLY
ACCESSIBLE TO THE OUTSIDE WORLD?
IS IT NAT, WPA, PPPoE, OR A PADLOCK?
GO TO THE WEBSITE.

GIVE US THE ANSWER.

WE'LL TALK ABOUT IT WHEN

"THE LAB" CONTINUES!

[MUSIC]

[Pop captions down]

COMMERCIAL

[Pop captions up]

(Funky techno music)

Leo Laporte: WELCOME BACK TO "THE LAB."

BEFORE THE BREAK, WE ASKED YOU
WHICH OF THE FOLLOWING BROADBAND
ROUTER FEATURES PROTECTS YOU
FROM THE OUTSIDE WORLD.

WELL, IT WOULD BE NAT, NETWORK
ADDRESS TRANSLATION.

YOU USE WPA TO ENCRYPT, BUT NAT
IS WHAT KEEPS YOUR IP ADDRESS
SEPARATE FROM THE OUTSIDE WORLD,

YOUR LOCAL IP ADDRESSES.

[Pop captions down]

Leo Laporte: SUSIE GARDNER'S HERE.
SHE'S THE CREATIVE DIRECTOR FOR
HOP KILM STUDIOS, THE AUTHOR OF
THE NEWEST "BLOGGING FOR"
"DUMMIES," SECOND EDITION,
JUST SITTING IN THE BOOK STANDS NOW.

Susie Gardner: YEAH.

Leo Laporte: AND SHE IS A WEB MAVEN.
THAT MEANS SHE KNOWS ABOUT
WEB DESIGN AND IS GONNA SHOW US
BETTER WEB DESIGN, BEST PRACTICES.
NOW, WE'VE GOT A VERY BRAVE NAVY
LEAGUE CADET CORPSMAN,
JOHN A. HAMILTON #166, WHO'S GOT
A WEBSITE, AND HE WANTED YOU TO
GIVE HIM SOME TIPS.

[Pop captions up]

Susie Gardner: YEAH, WELL, THE WEBSITE ADDRESS IS
166johnhamilton.com.

Leo Laporte: THAT'S EXCELLENT.
johnahamilton.com, THAT'S EXCELLENT.

Susie Gardner: SORRY, YEAH, johnahamilton.com.

[Pop captions down]

Susie Gardner: AND --

Leo Laporte: THAT WOULD BE TIP #1.
WHEN YOU HAVE A CHILD, REGISTER
THE CHILD'S WEB --
NAME AS A WEBSITE.

Susie Gardner: WELL, I THINK THIS IS THE NAME OF THE CADET
CORPS.

Leo Laporte: YEAH.

OH, WAIT A MINUTE!

Susie Gardner: IT'S A MOUTHFUL.

Leo Laporte: HE'S NOT A PERSON.

Susie Gardner: NO.

Leo Laporte: THAT'S THE NAME OF THE CORPS!

Susie Gardner: YEAH.

Leo Laporte: DOH!

Susie Gardner: THEY'RE BASED IN CALGARY.

Leo Laporte: OKAY.

Susie Gardner: I COULDN'T RESIST GETTING A CANADIAN ONE IN
HERE FINALLY.

Leo Laporte: ABSOLUTELY.

Susie Gardner: AND WHEN, WHEN
WE HEARD FROM THE PERSON WHO
SUBMITTED THIS --

Leo Laporte: YEAH.

Susie Gardner: HE SAID THAT
THIS SITE STARTED SOME YEARS AGO
AND WAS ORIGINALLY A PLACE FOR
THEM TO PUT PHOTOS SO THAT
PARENTS COULD SEE THEIR KIDS --

Leo Laporte: OH, THAT'S GREAT.

Susie Gardner: DRILLING AND SO ON.

Leo Laporte: THAT'S GREAT.

[Pop captions up]

Susie Gardner: AND HE'S JUST
RECENTLY REDESIGNED IT AND, YOU
KNOW, WANTED SOME OPINION ON HIS
REDESIGN AND WANTED TO KNOW WHAT
ELSE HE SHOULD BE DOING.

[Pop captions down]

Leo Laporte: ALL RIGHT, ALL RIGHT!
BE GENTLE.

Susie Gardner: OKAY.

WELL, I HAVE A COUPLE OF THINGS
THAT RIGHT AWAY I THINK HE
SHOULD CHANGE.

Leo Laporte: OKAY.

Susie Gardner: THE FIRST ONE
IS -- AND IT'S GONNA BE HARD TO
SHOW YOU --

Leo Laporte: HE SHOULD FIX
THE SPELLING OF "SEAMANSHIP."

Susie Gardner: (Laughing)

Leo Laporte: THAT WOULD BE THE FIRST ONE.
OKAY.

Susie Gardner: I'M NOT EVEN --
THAT'S NOT EVEN A DESIGN THING.

(Laughing)

Leo Laporte: WE'RE NOT GONNA
TALK ABOUT SPELLING, OKAY.

Susie Gardner: THE FIRST ONE
IS -- AND WATCH CAREFULLY NOW
BECAUSE I'M GONNA LOAD THE SITE --

Leo Laporte: YEAH.

Susie Gardner: AND YOU'RE
GONNA SEE A MOMENTARY FLASH.

Leo Laporte: SO WATCH THE SITE.
OH, WHAT WAS THAT?

Susie Gardner: A SPLASH PAGE, YEAH.

Leo Laporte: (Chuckles)

THAT'S THE SPLASH PAGE, BUT IT'S
NOT A VERY --
WHOA!

Susie Gardner: YEAH, THAT'S
THE SPLASH PAGE.

Leo Laporte: OKAY.

Susie Gardner: WE'VE TALKED ABOUT SPLASH PAGES BEFORE, AND THEY'RE USUALLY --

Leo Laporte: THAT AT LEAST DOESN'T WASTE A LOT OF MY TIME.

Susie Gardner: NO, YOU --

(Both laughing)

Susie Gardner: YOU IN FACT HAVE NO IDEA WHAT THAT WAS.

Leo Laporte: (Laughing) HE'S PROBABLY BEEN TRYING FOR THE LAST SIX MONTHS TO MAKE THAT LONGER.

Susie Gardner: MAYBE.

Leo Laporte: (Laughing)

Susie Gardner: HERE'S WHAT IT ACTUALLY IS.

I PULLED UP THE IMAGE ITSELF SO THAT YOU CAN ACTUALLY SEE IT. IT'S THE CREST OF THE CORPS, WHICH I ASSUME IS PRETTY IMPORTANT TO THEM, WHICH IS WHY THEY'VE MADE THEIR VERY FIRST PAGE OF THEIR SITE --

Leo Laporte: RIGHT.

Susie Gardner: THIS SPLASH PAGE, AND, YOU KNOW, HAVE THE CREST ON IT.

Leo Laporte: WHAT'S WRONG WITH SPLASH PAGES?

I SEE SO MANY SITES, EVEN SOME VERY BIG SITES, WITH SPLASH PAGES.

Susie Gardner: WELL, THEY'RE MAINLY A MARKETING TOOL.

THE IDEA IS THAT YOU CREATE A SPLASH PAGE, AND YOU PUT YOUR FANCY ANIMATED LOGO ON IT --

Leo Laporte: THEY'RE FORCED TO SEE IT.

Susie Gardner: YEAH, AND YOU
LET PEOPLE WATCH IT, AND THEY'RE
VERY EXCITED ABOUT IT BY YOUR
WHIZ-BANG GRAPHICS OR WHATEVER IT IS.

[Pop captions up]

Leo Laporte: BUT MORE LIKELY,
THEY'VE NAVIGATED AWAY FROM YOUR
PAGE BEFORE YOUR WHIZ-BANG
GRAPHICS FINISH.

Susie Gardner: WELL, THERE'S A COUPLE PROBLEMS.
USUALLY WHIZ-BANG GRAPHICS
REQUIRE FLASH --

Leo Laporte: RIGHT.

Susie Gardner: SO IF A PERSON
DOESN'T HAVE FLASH, YOU MIGHT
HAVE A PROBLEM THERE.

[Pop captions down]

Leo Laporte: IT TAKES TIME.

Susie Gardner: THEY'RE
REPETITIVE TO WATCH.
IF YOU COME BACK TO THE SITE
OVER AND OVER AGAIN, YOU'RE
GONNA SEE THAT THING OVER AND
OVER AGAIN.

Leo Laporte: YEAH.

Susie Gardner: AND YOU NEED
TO WRITE A WAY FOR PEOPLE TO GET
PAST THEM IF THEY DON'T HAVE FLASH.
IN THIS CASE, IT'S NOT A FLASH GRAPHIC.
IT'S JUST A GRAPHIC.

Leo Laporte: RIGHT.

Susie Gardner: AND IT DOES GO

BY VERY QUICKLY, BUT I HAVE TO
ASK SORT OF AT THAT POINT WHAT
IS THE POINT OF HAVING A
TWO-SECOND --

Leo Laporte: (Laughing)

Susie Gardner: YEAH.

Leo Laporte: IT'S NOT EVEN TWO SECONDS!

Susie Gardner: A TWO-SECOND CREST.

Leo Laporte: IT'S TWO, TWO,
TWO-TENTHS OF A SECOND.

Susie Gardner: SO I WOULD SAY
GET RID OF THE SPLASH PAGE.

Leo Laporte: YEAH.

IF YOU WANT TO MAKE THE CREST
IMPORTANT, YOU COULD PUT IT ON
THE MAIN PAGE BIGGER, RIGHT?

Susie Gardner: I THINK THIS
HOME PAGE WOULD BE A GREAT PLACE
TO PUT IT, RIGHT HERE ON THE
SIDE, WHERE, YOU KNOW, THERE'S A
LOT, QUITE A LOT OF OPEN SPACE,
AND IT'S OBVIOUSLY IMPORTANT.
IT'S ALSO UNFORTUNATELY A
GRAPHIC THAT DOESN'T SHRINK DOWN
VERY WELL, SO IT WOULD BE NICE
TO HAVE A LARGER VERSION ON THE
HOME PAGE.

Leo Laporte: RIGHT, OKAY.

Susie Gardner: SO RIGHT AWAY
GET RID OF THAT SPLASH PAGE.
IT'S NOT DOING YOU ANY GOOD.
IN FACT, IT'S ACTUALLY HURTING
YOU WITH THE SEARCH ENGINES

BECAUSE YOU --

YOU'VE LOST THAT TOP.

Leo Laporte: OH, THAT'S A GOOD POINT.

Susie Gardner: YEAH.

Leo Laporte: SEARCH ENGINES
JUST SEE A GRAPHIC, AND THEY MAY
NOT LOOK FARTHER.

Susie Gardner: YEAH, WELL,
AND THE INDEX PAGE, IT GETS
WEIGHED MORE HEAVILY THAN ANY OF
THE INSIDE PAGES, AND IF YOU
HAVE NOTHING ON IT, WELL, YOU
KNOW, THE SEARCH ENGINE REALLY
DOESN'T --

Leo Laporte: YOUR FIRST PAGE
IS THE PAGE THAT WEBSITES, THAT
WEB SEARCH ENGINES SEE --

Susie Gardner: WELL, IT
WEIGHTS IT MORE HEAVILY.

Leo Laporte: MORE THAN ANYTHING.

Susie Gardner: RIGHT.

Leo Laporte: OKAY.

Susie Gardner: SO GET RID OF THAT.

Leo Laporte: OKAY.

Susie Gardner: AFTER THAT,
YOU KNOW, YOU COME ON --
AND THIS IS A VERY SOLID
WEBSITE, YOU KNOW, VERY
ORGANIZED NAVIGATION HERE ON THE SIDE.
YOU'VE GOT THESE NICE OPEN MENUS
THAT COME UP.

Leo Laporte: I WOULD EXPECT THAT FROM THE SEA CORPS.

Susie Gardner: AND THERE'S REALLY A COUPLE OF THINGS THAT I

WANT TO FOCUS ON.

ONE IS THE NAVIGATION, WHICH IS GREAT AND IS ON EVERY PAGE.

HE'S OBVIOUSLY GOT SOME STUFF THAT HE'S STILL WORKING ON, SO WHEN YOU GO INTO SOME OF THESE PAGES, I BELIEVE THIS ONE, IF YOU GO TO "CAMPS," AND YOU CLICK ON THAT, YOU END UP BACK AT THE HOME PAGE.

Leo Laporte: NOTHING HAPPENS.

Susie Gardner: WELL --

Leo Laporte: THAT'S VERY CONFUSING.

Susie Gardner: THE PAGE ACTUALLY LOADS AGAIN, BUT --

Leo Laporte: IT'S VERY CONFUSING TO USERS.

Susie Gardner: IT'S PRETTY CONFUSING.

Leo Laporte: YEAH.

Susie Gardner: WHAT YOU OFTEN SEE IN SITUATIONS LIKE THIS IS A "COMING SOON" PAGE OR AN "UNDER CONSTRUCTION" PAGE.

Leo Laporte: DON'T EVEN DO THAT. JUST DON'T PUT THE MENU ITEM THERE.

Susie Gardner: I WOULD SAY GET RID OF THE MENU ITEM, AND IF YOU CAN'T DO THAT FOR SOME REASON --

Leo Laporte: RIGHT.

Susie Gardner: THEN YOU NEED TO HAVE AN "UNDER CONSTRUCTION" PAGE SO THAT PEOPLE DON'T THINK, "UH, I CLICKED WRONG."

Leo Laporte: RIGHT.

Susie Gardner: SO, YOU KNOW,
DON'T CONFUSE THEM, YOU KNOW,
BUT BEST CASE SCENARIO, YOU
WOULD JUST ELIMINATE THAT LINK
UNTIL YOU HAVE SOME CONTENT THERE.

Leo Laporte: THINK OF YOUR
USERS AS SMALL PUPPIES WHO ARE
EASILY CONFUSED.

Susie Gardner: (Laughing)
YES, ALL THOSE HAPPY LITTLE PUPPIES.
(Both laughing)

Susie Gardner: SO THERE'S
ACTUALLY A NUMBER OF PAGES
WITHIN THIS VERTICAL NAVIGATION
SYSTEM THAT ARE DOING THAT, AND
I WOULD SAY, TSK, DON'T DO THAT.

Leo Laporte: OKAY, LET'S DUMP THOSE, YEAH.

Susie Gardner: AND THEN, YOU
KNOW, RIGHT ON THIS HOME PAGE,
THAT VERY SECOND SENTENCE THERE
HAS A LINK TO THE NAVY LEAGUE OF CANADA.

Leo Laporte: LET'S TALK ABOUT THAT.

Susie Gardner: YEAH.

Leo Laporte: BECAUSE I SEE A FULL URL THERE.

Susie Gardner: YOU DO SEE A
FULL URL, AND YOU SEE --
THERE'S A COUPLE PROBLEMS WITH IT.
ONE IS THE LINK'S BROKEN --

Leo Laporte: OH, WELL, THAT'S PROBLEM #1.

Susie Gardner: BECAUSE THE
PERIOD IS ACTUALLY INCLUDED AS
PART OF THE LINK.

Leo Laporte: OKAY.

Susie Gardner: SO THE LINK
DOESN'T EVEN WORK, BUT, TWO,
THIS IS YOUR SECOND SENTENCE OF
YOUR HOME PAGE --

Leo Laporte: RIGHT.

Susie Gardner: AND YOU'RE SENDING PEOPLE AWAY FROM YOUR
SITE.

Leo Laporte: RIGHT.

(Lively techno music)

Susie Gardner: SO I MEAN THIS ISN'T EVEN REALLY A DESIGN
THING, BUT I WOULD SAY IT'S
GREAT TO HAVE THAT LINK ON THE
SITE, BUT, YOU KNOW, THIS ISN'T
THE PLACE FOR IT.

YOU PUT IT DEEPER DOWN.

PUT IT AT THE BOTTOM OF THE PAGE --

Leo Laporte: RIGHT.

Susie Gardner: BECAUSE, YOU
KNOW, SOMEONE WHO COMES TO THE
SITE IS GONNA READ THAT AND GO,
"OH, I SHOULD CLICK HERE."

Leo Laporte: AND GENERALLY --

Susie Gardner: AND OFF THEY GO!

(Chuckling)

Leo Laporte: ONE OF THE
ADVANTAGES OF LINKING IN THE WEB
IS YOU DON'T HAVE TO USE A FULL URL.
YOU COULD SAY "NAVY LEAGUE
PROGRAM" AND USE YOUR TAGS
TO PUT THE LINK TO HIDE IT AWAY.
YOU'VE DONE IT!

Susie Gardner: SO IT'D BE PRETTIER, TOO.

Leo Laporte: IT'D BE A LOT

PRETTIER, YEAH.

SOME GREAT POINTS.

AND, YOU KNOW, YOU'RE DOING A
GREAT JOB.

I APOLOGIZE FOR THINKING
JOHN A. HAMILTON WAS A NAME, WAS
THE PERSON.

IT'S OBVIOUSLY THE NAVY LEAGUE
CADET CORPS, JOHN A. HAMILTON
#166, A VERY NICE SITE,
166johnahamilton.com.

[Pop captions up]

Leo Laporte: SUSIE GARDNER'S
AT HOP KILN, HOP STUDIOS --
HOP KILN'S A WINERY IN MY PART
OF THE WORLD.

I'M SORRY.

Susie Gardner: THAT SOUNDS GOOD, TOO.

(Laughing)

Leo Laporte: IT'S VERY GOOD.
I'LL BRING YOU A BOTTLE NEXT TIME.
hopstudios.com.

[Pop captions down]

Leo Laporte: AND LOOK FOR HER
BOOK, "BLOGGING FOR DUMMIES," AT THE
BOOKSTORE NOW.

THANK YOU, SUSIE.

Susie Gardner: YOU'RE WELCOME.

Leo Laporte: WE'LL BE BACK
WITH A FINAL WORD IN JUST A BIT.
YOU STAY RIGHT HERE.

(Theme music playing)

COMMERCIAL

(Theme music playing)

Leo Laporte: WE ARE OUT OF TIME.

[Pop captions up]

Leo Laporte: I CAN'T BELIEVE HOW FAST THIS SHOW WENT.

THANK YOU SO MUCH FOR BEING HERE.

I'LL REMIND YOU, IF YOU'D LIKE

TO KNOW MORE ABOUT THE SHOW,

labwithleo.com.

[Pop captions down]

Leo Laporte: IN FACT, IF YOU

GO THERE, YOU CAN ASK A QUESTION.

Kate Abraham: YES, YOU CAN,

FORWARD SLASH techquestions, AND

I WILL PHONE YOU AND GET YOU ON

THE SHOW!

Leo Laporte: SHE'LL FIND YOU.

Kate Abraham: I WILL FIND YOU!

Leo Laporte: THANKS FOR JOINING US.

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

BYE-BYE.

(Greedy theme plays,

coins clinking)

[Pop captions up]

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[Pop captions down]

(Rogers theme plays)