

INCREASE YOUR TECHNOLOGY KNOWLEDGE

Please join us for a complimentary lecture series presented by the Hilton Head Island Computer Club and Hargray Communications. RSVPs are required for each presentation.

Visit www.hhicc.org/hargray
to RSVP

Each lecture will be at the USCB Hospitality Campus
located at One Sand Shark Drive, Hilton Head Island

March 2nd at 2pm:
Managing Your Home Network

April 6 at 2pm:
Identity Theft & Senior Fraud


May 4th at 2pm:
Network Safety

May 18th at 2pm:
Streaming – An Intro to the Possibilities

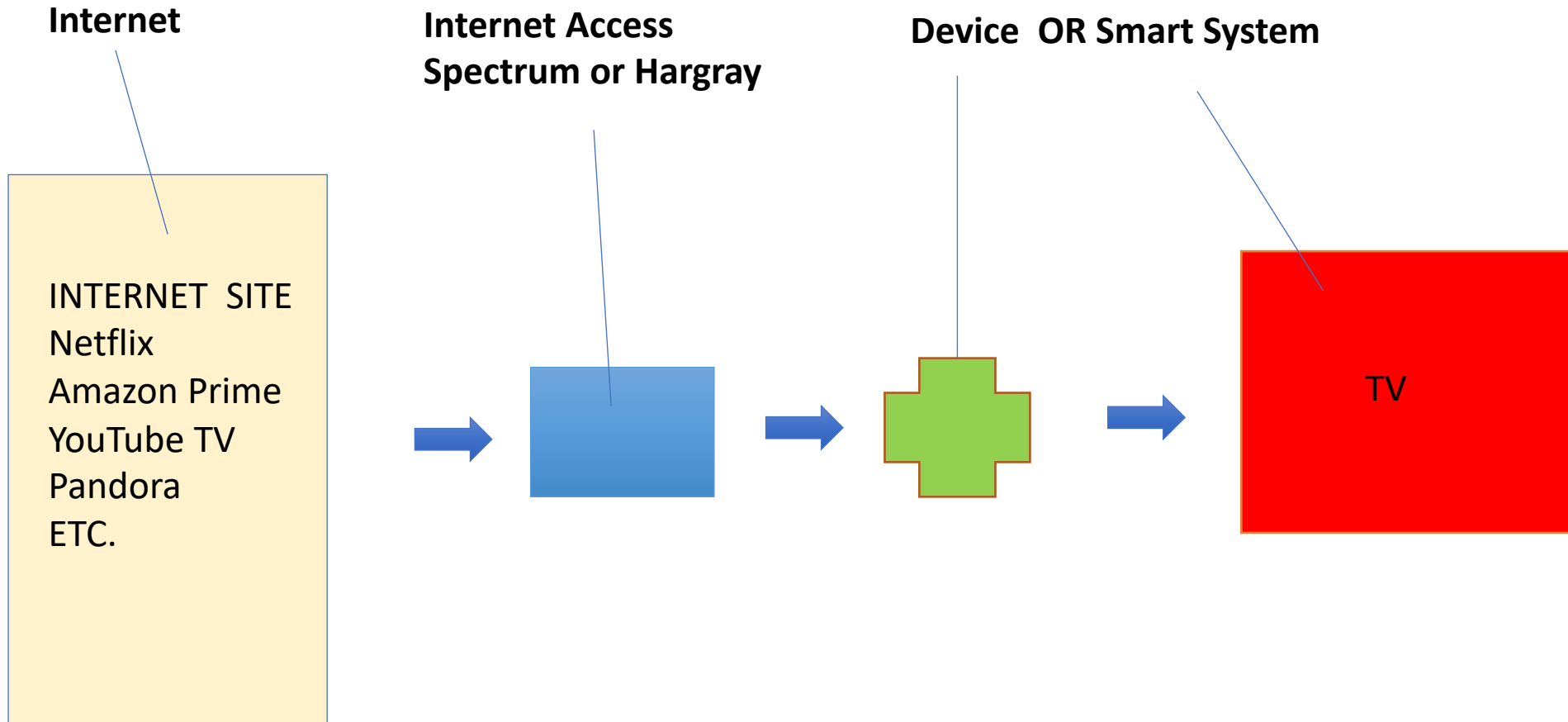
The Hilton Head Island Computer Club Resource Center provides in person help for members regarding PCs, Macs, tablets, and smartphone issues, as well as providing shared use PCs and Macs. Training is also provided.

STREAMING - AN INTRO TO THE POSSIBILITIES

MAY 18, 2020

- GOAL – TO PROVIDE AN OVERVIEW OF CURRENT SERVICES AVAILABLE FOR VIDEO STREAMING AND DEMONSTRATE THE LEADING ONES
- AGENDA
 - STREAMING OVERVIEW
 - ACCESS – WIFI AND TV SMART SYSTEMS
 - LEADING SERVICES BY TYPE – BOB’S PICKS DEMO 
 - LIVE TV
 - RECORDED –MOVIES , SERIES
 - MUSIC
- CAUTION THIS MARKET IS CHANGING ALL THE TIME - SO SHOP FOR DEVICES AND CONTENT - YOUR CHOICES CAN IMPACT SAVINGS

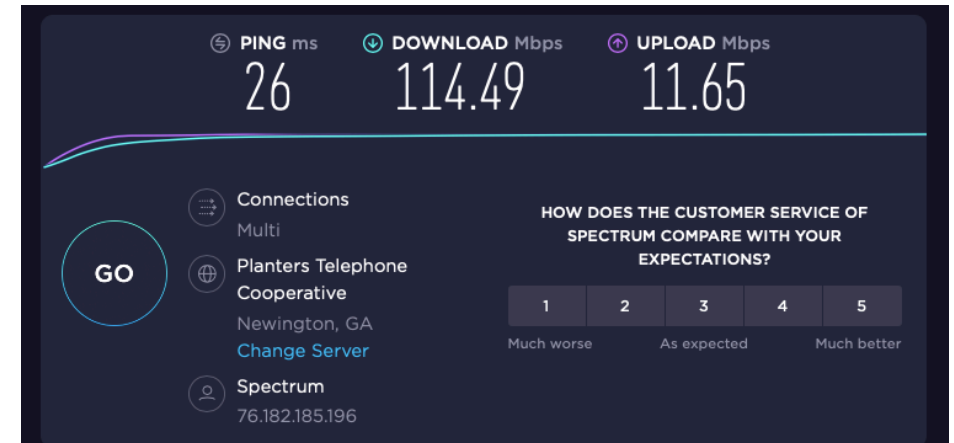
STREAMING - THE BASICS



ACCESS TO INTERNET – LOCALLY

- DOWNLOAD SPEED IS CRITICAL - > 30 MBPS – 100 IDEAL – 1000 (1GIG POSSIBLE)
- HARGRAY – FIBER CABLE –MODEM /ROUTER
- SPECTRUM – COAX CABLE – MODEM / ROUTER

- ROUTER AND/OR MESH SYSTEM MAY BE NEEDED FOR COVERAGE
- SPEED TEST SITE – EXAMPLE - SPEEDTEST.NET

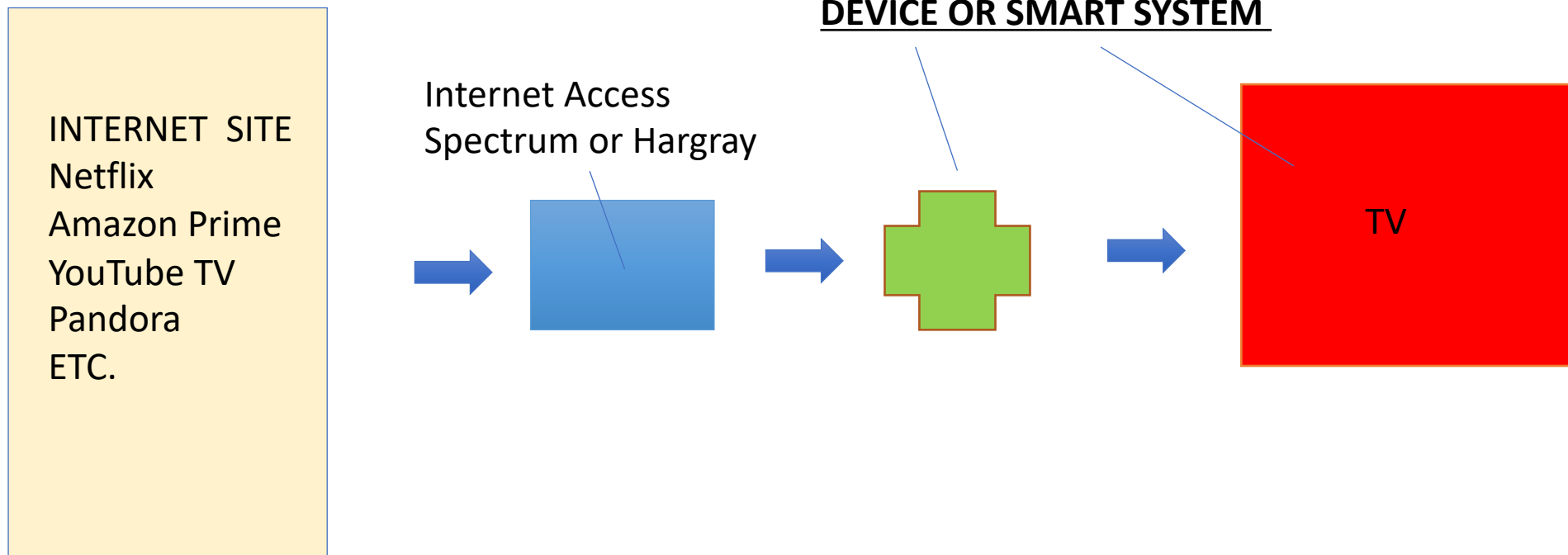


NEW OPTION

- SATELLITE “STARLINK” FROM SPACEX – END OF 2020

DEVICE OR SMART SYSTEM NEEDED FOR STREAMING


- STREAMING SMART SYSTEM makes it possible to access and stream (view) content from the internet primarily to your television. Comparison chart attached to presentation.



ACCESS TO SITES – TV SMART SYSTEMS

- STREAMING CAPABILITY BUILT INTO TV
- OFTEN CONVENIENT IF THEY OFFER STREAMING SITES YOU WANT
- DEVICES LIKE ROKU CAN PROVIDE ALL SMART FEATURES

- SINGLE REMOTE CONTROLS ALL TV FUNCTIONS –MOST NOW HAVE GOOD VOICE COMMANDS
- KEY FEATURES TO LOOK FOR ARE SEARCH FUNCTION, EASY TO NAVIGATE BETWEEN SITES (CHANNELS), AUTOMATIC UPDATES OF SYSTEM

- LEADING SYSTEM ROKU –BUILT IN OR DEVICE (DEMO) 

ROKU DEVICE OR SMART SYSTEM

Which product is right for me?

There's a Roku streaming player or Roku TV for everyone.

Want a player that will connect to your current TV?

[See all your options >](#)



Roku Ultra



Roku Express

Want a TV with the Roku streaming experience built in?

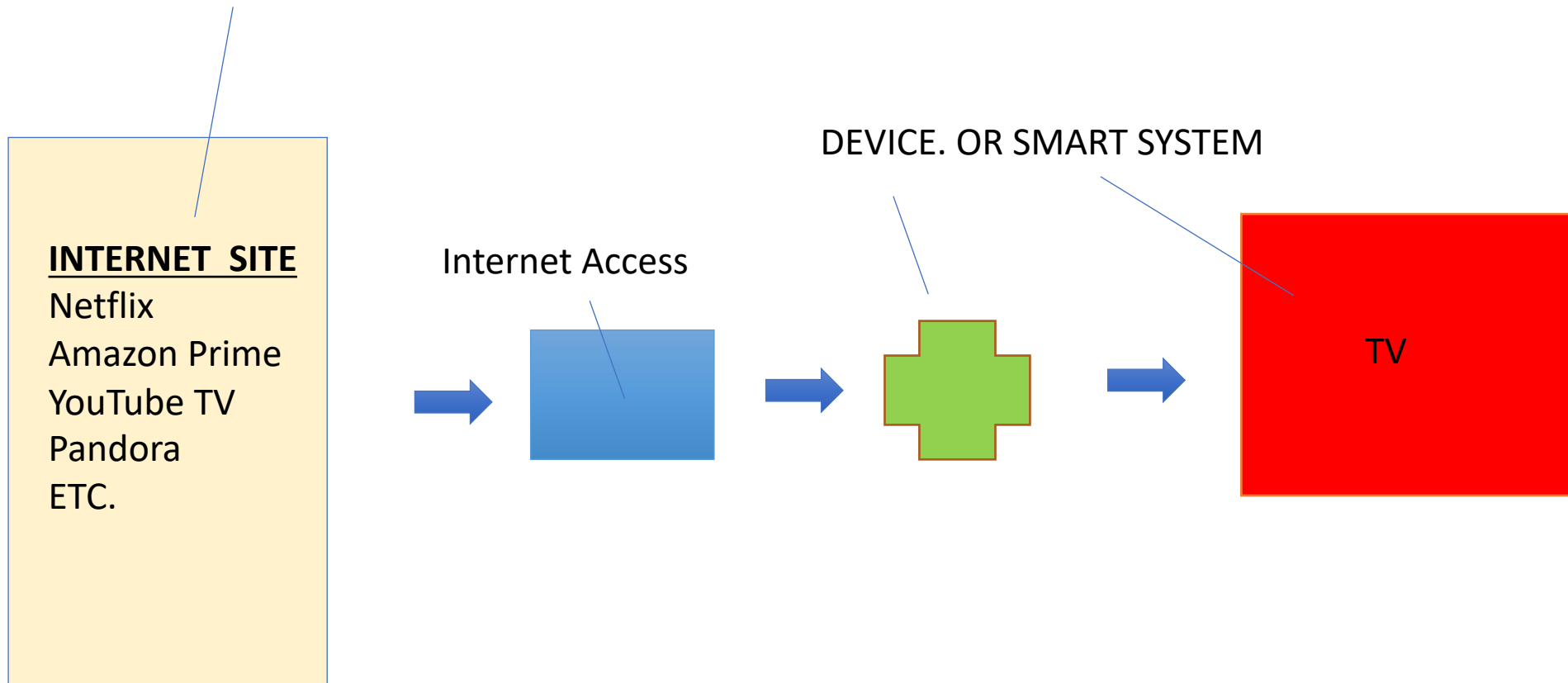
[Learn more about Roku TVs >](#)



Roku TV


STREAMING SERVICES ARE INTERNET SITES

- STREAMING SERVICES are rapidly evolving sources for Entertainment Content



UPDATE ON LIVE TV STREAMING OPTIONS

- LIVE TV – CABLE REPLACEMENT

- YOUTUBE TV 
- HULU
- SLING
- SPECTRUM APP

- LOCAL LIVE TV – ANTENNA REPLACEMENT

- HAYSTACK – FREE LOCAL TV 

- SPECIALTY STREAMING

- PREMIUM – HBO , SHOWTIME
- NETWORK APPS – CBS , NBC
- SKY NEWS

TOP PICK FOR LIVE TV



[SEE ALL CHANNELS](#)

Watch live TV from 70+ channels

Available in the U.S. nationwide. Enter your home ZIP code below to see your area's lineup. Subject to availability.

TV made for you

| Record with unlimited storage space

Included at no extra cost
Stream your library wherever you go
Never run out of storage space

Share with your family with up to 6 accounts

Cancel whenever you want with no contracts



Haystack TV is Now Streaming Local News From Over 200 Local TV Stations For Free on Roku, Apple TV, & Fire TV

by [Luke Bouma](#) on May 29, 2019 at 5:00 pm CDT in [All News](#), [News](#)



Today [Haystack TV](#) announced that they have added 39 local affiliates from Gray Television. This means Haystack TV is now streaming local news on-demand from over 200 local TV stations in the United States.

STREAMING MIXED CONTENT (MOVIES , SERIES)

- NETFLIX (DEMO) 
- AMAZON PRIME (DEMO) 
- PLUTO
- TUBI

- APPLE TV +

MOST INCLUDE ORIGINAL AND PREVIOUSLY BROADCAST CONTENT

MOST POPULAR FREE SITES

- ROKU CHANNEL.
- PLUTO – TV
- TUBI –MOVIES AND TV
- CRACKLE – MOVIES AND TV
- WEATHER NATION
- FILMRISE – MOVIES AND TV

PREMIUM SERVICES ARE AVAILABLE IN VARIETY OF WAYS

The **Roku** Channel View online



<https://click.email.roku.com/?qs=d32e521271f070dac1f88251fc0958d9f5d6a2ce57c2820941d439d1b8efbe4248b4c0e89d2aca57f93dc875b5ec0ec7e72b4bdf98ee0717>

Premium Subscriptions on
The **Roku** Channel

All your favorites, all in one place
Premium Subscriptions on The Roku Channel

FREE “HEADS UP” SERVICE – DECIDER.COM

DECIDER



http://links.decider.com/a/755/click/8648739/712547322/_Bed07c7058788d8f8aaaa4f6ce5609e52a3a09e9/64e4d7bb7d5574db4d146ca51dccb5a8e040cdff?ana=lnV0bV9zb3VyY2U9bWFyb3Bvc3QmdXRtX21lZG11bT1lbWFpbCZ1dG1fY2FtcGFpZ249ZGVjaWRlcnd0d3R3JnV0bV9jb250ZW50PTlwMjAwMjI5JnRwY2M9ZGVjaWRlcj93dHd0lg==

What's New On Netflix, Hulu, Amazon, And HBO This Weekend: 'Babylon Berlin', 'All The Bright Places', 'Mr. & Mrs. Smith', And More

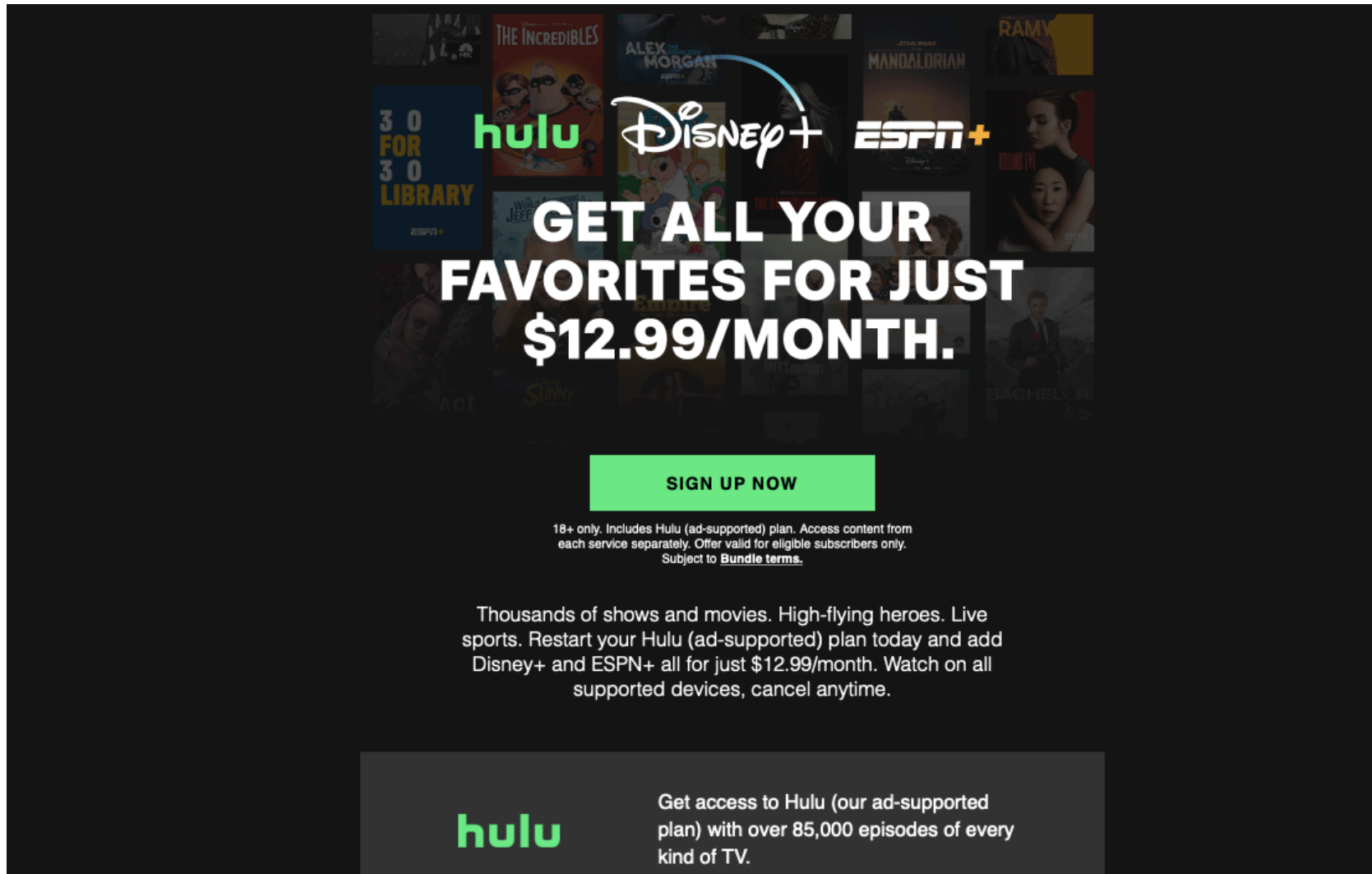
Plus After the Wedding, Axios Season 3, Anna and more!

WEEKEND PICKS



New Movies on Demand: 'Uncut Gems,' 'Bombshell,' 'Knives Out,' and More

BUNDLE EXAMPLES



hulu **Disney+** **ESPN+**

GET ALL YOUR FAVORITES FOR JUST \$12.99/MONTH.


SIGN UP NOW

18+ only. Includes Hulu (ad-supported) plan. Access content from each service separately. Offer valid for eligible subscribers only. Subject to [Bundle terms](#).

Thousands of shows and movies. High-flying heroes. Live sports. Restart your Hulu (ad-supported) plan today and add Disney+ and ESPN+ all for just \$12.99/month. Watch on all supported devices, cancel anytime.

hulu Get access to Hulu (our ad-supported plan) with over 85,000 episodes of every kind of TV.

STREAMING MUSIC

- SPOTIFY (113M)
- APPLE MUSIC (60MM)
- AMAZON MUSIC (55MM) 
- PANDORA
- IHEART RADIO
- SIRIUS XM
- YOUTUBE MUSIC * (10MM)
- GOOGLE PLAY * (10MM)
- THE COUNTRY NETWORK
- MET OPERA ON DEMAND

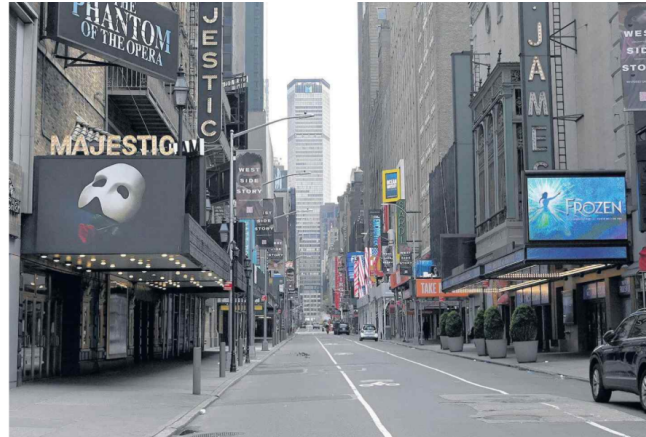
STREAMING 4K

- NETFLIX
- APPLE TV+
- AMAZON PRIME
- FUBO TV
- VUDU
- 4K SPOTLIGHT

STREAMING SPORTS

- ESPN
- FOX SPORTS
- CBS SPORTS LIVE 24/7
- TENNIS CHANNEL
- MLB
- BTN+
- OLYMPIC CHANNEL
- ALL ABOVE INCLUDED ON UTUBE TV

NEW - STREAMING THEATER



Closed Broadway theaters during the coronavirus pandemic on April 8 in New York City.

BY CHARLES MCNEELY
Los Angeles Times

No one at this point can guess when live performance will come back. Not the medical experts. Not theater owners and producers. And not the unions that represent the creative professionals whose livelihoods are in a state of suspended animation.

Digital is the only safe stage right now. Theaters, fighting for their lives, have been creatively exploring how to connect to their audiences with media technology. Richard Nelson wrote a play for Zoom, celebrated productions from the past are streaming, online benefit play-readings are proliferating and virtual town halls have become the new theater hangout.

Last week Center Theatre Group managing director and chief executive Meghan Pressman moderated an L.A. TheatreSpeaks panel on the subject of creating theatrical content for online platforms. The speakers were enthusiastic yet understandably cautious. Digital dangles the promise of salvation yet has a track record of devastating financial disruption. But what other choice is available in a pandemic?

Yvael Shuren, artistic director of the Industry, an innovative opera company devoted to exploring nontraditional performance spaces, said he's interested in "work that does not feel like it's an apology" for our inability to gather in person. Digital is less appealing to him as a delivery system "for content we would normally do." He's more intrigued by "brand-new work" that is responsive to the tools that are still being discovered.

Fountain Theatre artistic director Stephen

STEALING THE SPOTLIGHT?

Digital theater is all the rage, but could it destroy the live stage?

Sachs said his focus has been "less about content and more about community." How, he asked, can the connection of a theater audience be "translated into a digital space?"

For Sachs, it's not about delivering products that can be passively enjoyed. "People want to be brought into the process and engage not only with artists but also with their fellow audience members," he said.

Damian Bazadona, founder of the digital marketing agency Situation Interactive, concurred: "People want to be seen. It's about the idea of connection. Digital tech, if you do it right, which can happen through Zoom, is about connection. ... We have to use technology in the same way until we can get back into the venues."

Oregon Shakespeare Festival artistic director Natalia Garrett said that digital can broaden the reach to marginalized communities who may have felt unwelcome in the "restricted" atmosphere of institutional theater. How, she asked, can we create a space of

coming together that is not simply reinforcing audience homogeneity?

Deal West Theatre artistic director DJ Kars also is looking to digital for ways of expanding access. But he noted that the struggle continues on the internet, where perhaps "less than 15% of online theater is captioned or interpreted or made accessible to the deaf community."

IAMA Theatre Company co-artistic director Katie Lowers has been heartened by the way the 99-seat theater community has rallied together through weekly online meetings. The support, she said, has been invaluable, as has the practice of thinking about the Los Angeles theater audience "as a whole" rather than as disconnected fiefdoms.

Geffen Playhouse associate artistic director Amy Levinson acknowledged that in the past, union rules regarding online transmission of theatrical content provided formidable disincentives. The pandemic has reopened these conversations, though she pointed out that the Geffen's production of "The Present," the

virtual magic show by Holder Guimarães that opens on Thursday, was made easier because Guimarães is a magician and not subject to the same restrictions as stage actors.

In a conference call last week with the leaders of arts, entertainment and media unions, there was broad recognition that these regulations would have to be continually reassessed in light of the current crisis. Union members need work and employers need to survive. If ever there was a moment to pull together, this is it.

But Sachs worried that the 99-seat theater community might be at a disadvantage in negotiating with Actors' Equity. He fears that smaller organizations such as the Fountain will be looked upon by the unions "as a less profitable investment or use of their time." Yet it's these theaters operating on a shoestring that need streaming most, he contends.

Theater leaders understand that these platforms must be explored on their own terms, that it's not simply a matter of putting

old wine in new bottles. Novel forms must be invented, and Levinson, who understands the resistance as a proud "theater snob" who once looked askance at the use of projections onstage, urged an openness to the way these practices can be integrated even after live theater comes back.

Only a fool would bet against the ingenuity and resourcefulness of theater professionals. The longer this pandemic lasts, the more dynamic and innovative online theater offerings will become. But the risks shouldn't be underestimated. Many will rejoice when the theaters reopen, but what about the segment of the audience that has grown accustomed to watching plays and musicals on their devices?

Digital theater has become a necessity for companies that would otherwise vanish from public consciousness. Artists will no doubt reveal stunning theatrical possibilities in online platforms. But it's not too early to start worrying about how to put the genie back in the bottle.

street.

You also have to deal with the hell, to borrow from Sartre, of other people. Some who are slower and less courteous. Some who cannot resist unwrapping a mint or answering a text. Some who forget to turn off their hearing aids when using an assisted listening device.

Attending the theater is expensive in terms of money and patience. (A collage with a young child tells me the cost of babysitting is like buying a third ticket.) Even provisionally establishing the idea that you don't really need to be there is fraught with peril in an age in which gratification is measured in clicks.

Of course, nothing can replace the shared pulse of a theater audience. A screen, no matter how high-definition, cannot approximate the vivid thrill of being there. But already there's talk of virtual tickets in a future transitional phase, in which part of the audience, still worried about contagion, opts for a live stream of the performance.

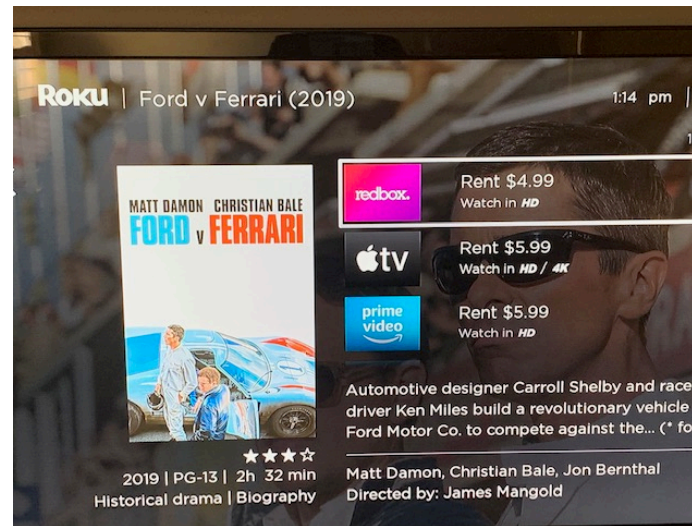
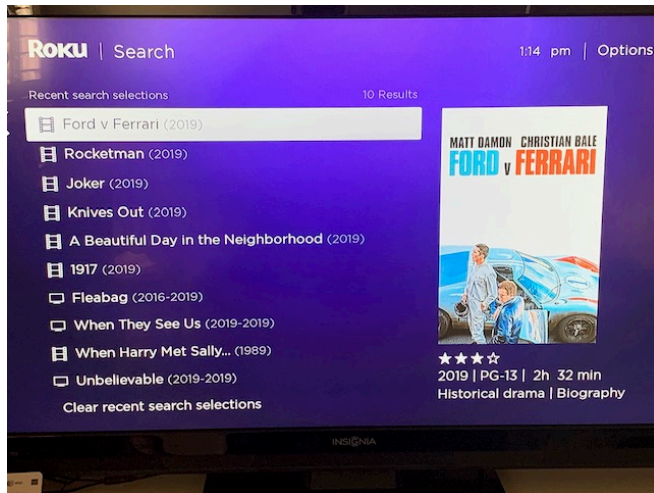
I am a great lover of brick-and-mortar bookstores and will happily flip-flop on the joys of browsing the tabletops for recommended reading. Yet Amazon has captured more of my business than any retailer. Convenience is hard to resist, and technicians have reordered our relationship to time.

Digital theater has become a necessity for companies that would otherwise vanish from public consciousness. Artists will no doubt reveal stunning theatrical possibilities in online platforms. But it's not too early to start worrying about how to put the genie back in the bottle.

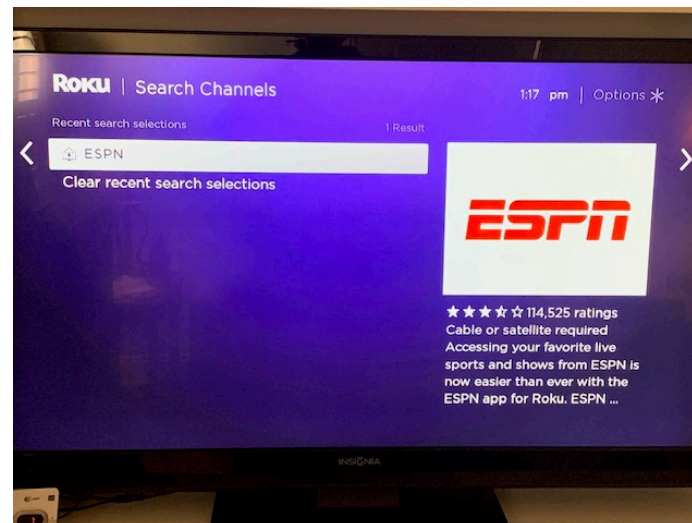
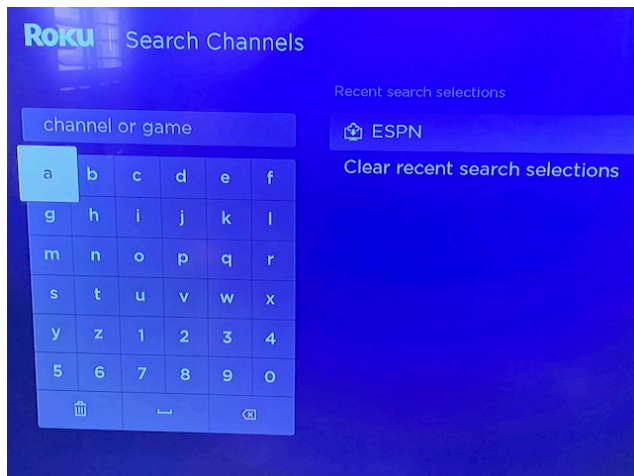
CAN'T FIND IT - SEARCH ROKU.



- SEARCH FOR SPECIFIC MOVIE OR SERIES - BY TITLE , STAR , ETC.



- STREAMING CHANNELS – SEARCH



WHAT'S RIGHT FOR ME ?

- CONSIDERATIONS

- WHAT YOU WANT TO WATCH OR LISTEN TO -
- SAVINGS POTENTIAL –
- DEVICE OPTION – TABLETS / BIG PHONE APPS
- MULTIPLE HOME MEMBERSHIPS – CONVENIENCE OF USING MOBILE ROKU
- TRENDS – MORE OPTIONS

UPCOMING EVENTS – CHECK HHICC.COM WEB SITE

- YOU TUBE TV – TIPS AND TRICKS
- ROKU SETUP
- APPLE TV+
- TBD - MORE STREAMING RELATED SESSIONS DEPENDING ON DEMAND

QUESTIONS ??

HANDOUT OF STREAMING DEVICES

POPULAR STREAMING MEDIA PLAYERS: A COMPARISON CHART					
FACTS	AMAZON FIRE TV	ROKU	APPLE TV	GOOGLE CHROMECAST	SMART TV SYSTEMS
Website	amazon.com/firetv	roku.com	apple.com/tv	store.google.com	
List Price: (See website to compare models)	Fire TV Cube: \$119.99 Fire TV Stick 4K: \$49.99 Fire TV Stick: \$39.99	Roku Ultra: \$99.99 Roku Streaming Stick+: \$59.99 Roku Streaming Stick: \$49.99 Roku Premiere+: \$49.00 Roku Premiere: \$39.99 Roku Express+: \$35.00 Roku Express: \$29.99	Apple TV 4K 64GB: \$199.99 Apple TV 4K, 32 GB: \$179.00 Apple TV, 32GB: \$149.00	Google Chromecast Ultra: \$69.00 Google Chromecast: \$35.00	SAMSUNG VISIO LG
Content Providers Available on All	Netflix, Hulu, Crackle, FilmStruck, Sling TV, PlayStation Vue, Directv Now, Hulu Live TV, HBO, Showtime, PBS, PBS Kid, WaltDisney, Watch ESPN, Fox Now, Telemundo Deportes EN VIVO, Plex, Pandora, Sirius XM				
Additional Popular Content Providers	Amazon Prime Video, Spotify, Amazon Music, PlayOn Recently added YouTube TV	Amazon Prime Video, Fandango Now Google Play, YouTube, YouTubeTV, Spotify, Amazon Music, PlayOn Find More at the Official Channel Store	Apple Music, Amazon Prime Video, VUDU, YouTube, YouTubeTV, Sirius XM, Apple TV+ Find More Online	Google Play, YouTube, YouTubeTV Fandango Now, VUDU, Amazon Music, Spotify, PlayOn	
Missing Content Providers	Fandango Now, Google Play, YouTube TV, VUDU, iTunes Apple Music	iTunes, Apple Music	Google Play, Fandango Now, Spotify, Amazon Music, PlayOn	iTunes, Apple Music	
4K/HDR Support (All Have 1080P)	Only Fire TV Stick 4K and Fire TV Cube	Only Roku Ultra, Roku Streaming Stick+, Roku Premier+ and Roku Premier	Only Apple TV 4K	Only Google Chromecast Ultra	
Voice Search on Remote	All Alexa directed ?	Only Roku Ultra, Roku Streaming Stick+, Roku Streaming Stick and Roku Premier	All	N/A	
Display Mirroring	N/A	All	Can Cast and Control Streaming Content and Mirror Screens from Mac Computers and iOS Devices Using Airplay	Mirroring Available for Android Devices Can Also use Chrome Browser to Cast Anu Tab or Full Computer Screen	
Single Sign-On or TV Everywhere Apps	Yes	Yes	Yes	No	
Additional Features	Can pair with some Amazon Echo voice-activated devices for hands free control	Amazon Fire, iOS, and Android apps available Can be controlled by Alexa	Can Watch Content Saved on Mac, iOS devices and iCloud	Pair with Google Home Voice-Activated Devices for Hands-Free Control	
	Remote & Mobile Apps Work With Alexa	Roku Ultra has Micro SD Slot, Remote with Headphone Jack and Gaming Buttons	TV app organizes content in one easy-to-use interface	Google Home App Helps Users Discover Popular Content and Supports Apps	
	Fire TV Recast Adds Live TV Capability with HD Antenna	Streaming Stick, Streaming Stick+ Have Wireless Remote Not Requiring Line of Sight	Can use Siri Voice Commands to Play Content, Go Back & Skip Ahead		
	Amazon Fire, Android, iOS Apps Available for Use as Remote	Roku offers wireless speakers and a sound bar	iOS Remote App Available		
	Free Amazon Cloud Storage for all Amazon Content		Supports Bluetooth Accessories		
	Supports Bluetooth Accessories				