2016-08-08 #critlib chat: ethics of digitization

Reading and questions:

**ethics of digitization**
63r d chat, Monday August 8th 2016: ethics of digitization Moderated by @tararobertson and @zinelib Storify by @tararobertson Suggested readings: Discussion questions: Q1 What are pros & cons of make digitization decisions informed by personal & community ethics, in addition to/instead of The Law?

Q1 What are pros & cons of make digitization decisions informed by personal & community ethics, in addition to/instead of The Law? #critlib

---

**rachel mattson**
@captain_maybe

A1 - its important to think about who we want to be accountable to. are we accountable only to the state? not me. #critlib

---

**MARCinaColdClimate**
@marccold

A1. Pros: community input, community connection, community belonging. Cons: It can be hard to know exactly who your community is. #critlib

---

**MARCinaColdClimate**
@marccold

A1 (cont) By which I mean you don’t know what you don’t know when it comes to stakeholders in any given set of materials. #critlib
@marccold or more than one community involved! can think of some examples of Indigenous content. #critlib

@marccold said hard to know who is the community #critlib

And if one community wants the material digitized and the other doesn't...

A1: This, and also, members of a community don't necessarily agree on the choices to be made. #critlib twitter.com/marccold/status...

@paigecmorgan and we often don't reflect the communities we serve, or are situated in (read: white) #critlib

A1 Pro: Much more content available to the public sooner. Cons: Running afoul of copyright law, risk violating individual privacy. #critlib
Jenna Freedman
@zinelib

A1: a pro of considering community concerns is not pissing off the ppl you're trying to help document. Trust & cooperation are good. #critlib

2 YEARS AGO

Violet Fox
@violetbfox

#critlib A1. Pros: humane, thoughtful, right thing to do. Cons: takes a lot of work. Your ethics may not equal community’s ethics.

2 YEARS AGO

Jenna Freedman
@zinelib

Does using your own ethics become a concern in the context of anti-choice pharmacists using theirs? #critlib twitter.com/captain_maybe/...

2 YEARS AGO

Anna St.Onge
@deantiquate

A1: community consultation expands/enriches contextual info (which may be very sparse) + provides POVs may be missing in archives. #critlib

2 YEARS AGO

Matthew Noe
@NoetheMatt

So I guess pros: more in line with community, thoughtful, ethical action. Cons: legal trouble, job trouble, annoyed managers #critlib (A1)

2 YEARS AGO

Matthew Noe
@NoetheMatt

tends to lean towards injustice for many populations, our obligation to community conflicts. Can you risk it? (2/2) #critlib

2 YEARS AGO
Jennifer Vinopal
@jvinopal

Are we only talking about taking input from marginalized communities? What if dominant community doesn’t like sth bc ethics? #critlib

2 YEARS AGO

Jennifer Vinopal
@jvinopal

Like for example, what if relic community doesn’t like LGBTQ+ archive we want to digitize/publish? #critlib

2 YEARS AGO

Jennifer Vinopal
@jvinopal

Or what if community doesn’t like archive documenting racism in the community? #critlib

2 YEARS AGO

April Hathcock
@AprilHathcock

Right. Sometimes commt'y shld prevail. But sometimes not. Like when commt'y enacting erasure. #critlib twitter.com/jvinopal/statu...

2 YEARS AGO

Jason W. Moore
@jwilsonmoore

A1 - pro: an overall re-framing of the notion of 'intellectual property' to value the personal over the commercial #critlib

2 YEARS AGO

S. E. Hackney
@fiilidget

listening, for starts. having a conversation with ppl, encouraging convos btwn groups, and respecting their decisions. #critlib

2 YEARS AGO
S. E. Hackney
@fiigget

being willing to put down a project you were really excited about because other parties involved have concerns. #critlib

2 YEARS AGO

Ed Summers
@edsu

A1. con: sometimes aligning with a particular set of community values puts you at odds with the values of another community #critlib

2 YEARS AGO

Anna St.Onge
@deantiquate

A1. Cons: sometimes self-identified "community leaders" do not accurately reflect community as it was/is. #critlib

2 YEARS AGO

April Hathcock
@AprilHathcock

A1 What is ethical is not always legal and vice versa. We must remember that all the time. #critlib

2 YEARS AGO

Sara Janes
@_skjanes

A1: respecting community interests is vital, but complex when there's no one monolithic "community" affected #critlib

2 YEARS AGO

Jennifer Eltringham
@bookuporshutup

A1: cons - I sometimes imagine community input devolving into a Parks and Rec time capsule situation of arguing and inaction. #critlib

2 YEARS AGO
Q2 When making digitization decisions, how do we balance the needs of (living) subjects & (future) scholars, now vs. 100s from now? #critlib

Sara Janes @skjanes
Q2: strict legal rules for PII make some decisions look easier, but leave out a lot of borderline cases #critlib

2 YEARS AGO

MARCinaColdClimate @marccold
A2. Pers bias would be to favour the living, esp since digitization (as of rn) is more a access measure than a preservation measure #critlib

2 YEARS AGO

Sara Janes @skjanes
Q2: can't assume that ppl are living or dead based on embargo periods (might work most of the time, but not all of the time) #critlib

2 YEARS AGO

Alexandra DM @fromADMwithlove
A2: at #qarchives we gave living donors space for annotation when digitized items were published #critlib

2 YEARS AGO
April Hathcock
@AprilHathcock

A2 I like to think in terms of opening up materials after as certain pd, with consultation w/comm't'y as to what that shld be. #critlib

2 YEARS AGO

Violet Fox
@violetbfox

A2. Let the future people fend for themselves. They'll likely have better technology/discovery tools than we can currently imagine. #critlib

2 YEARS AGO

S. E. Hackney
@fiidget

@violetbfox we are so SO bad at predicting what will be valuable to future people, in any case. #critlib

2 YEARS AGO

Gina Murrell
@GinaMurrell1

A2 Ask permission as a sign of respect & to save yourself future grief. Ask copyright holders &/or creators about using their work. #critlib

2 YEARS AGO

Jenna Freedman
@zinelib

Yes! It takes time but it's like "measure 2X, cut 1X." It saves time in the long run. + IT'S GOOD MANNERS. #critlib twitter.com/GinaMurrell1/s...

2 YEARS AGO

Sara Janes
@_skjanes

Records of minors, whose parents consented to record creation, but who may still be affected 75+ yrs later #critlib twitter.com/tararobertson/...

2 YEARS AGO
A2: also, boring/fraught as it is, revisiting deeds of gift to start a digitization discussion with donor #critlib

@AprilHathcock @thomasgpadilla yes. been thinking about how the traditional deed of gift plays into this. #critlib news.donnow.io/some-thoughts-

hi #critlib! jess @hlslib jumping in. A2 - we address this in donor agreement; what can be digitized when w/hopes that eventually it's all.

A2: We can know the needs of our current community - how can we possibly make informed decisions about future community needs? #critlib

We actually had this happen locally with the coverage of the 150th anniversary of the Dakota Conflict #critlib twitter.com/jvinopal/statu...

This newspaper article and related events caused a LOT of conflict mankatofreepress.com/news/local_new... #critlib
Sara Janes
@skjanes

I talk about ppl affected by changes in privacy law over 20th century here: skjanes.com/?p=221 #critlib twitter.com/tararobertson/...

2 YEARS AGO

Thomas Padilla
@thomasgpadilla

A2 - I know it's outside scope but curious how this question tracks to collection and access provision for social media data #critlib

2 YEARS AGO

April Hathcock
@AprilHathcock

I don't think it's out of scope at all. This was where my mind went. Huge issue. #critlib twitter.com/thomasgpadilla...

2 YEARS AGO

tara robertson
@tararobertson

@AprilHathcock @thomasgpadilla do you know about @documentnow? they're tackling this cc: @edsu #critlib

2 YEARS AGO

Thomas Padilla
@thomasgpadilla

@tararobertson @AprilHathcock @documentnow @edsu oh yeah, awesome project! hoping @edsu or @BergisJules will chime in #critlib

2 YEARS AGO

tara robertson
@tararobertson

@paigecmorgan @AprilHathcock @thomasgpadilla like even studying #occupy #blacklivesmatter or #idlenomore #critlib

2 YEARS AGO
A2 - this seems like a question about access (present) vs. preservation (future) -- not necessarily a conflict if done ethically #critlib

2 YEARS AGO

Anna St.Onge
@deantiquate

A2: I try to think about digitization projects as cultivation of scholarship. We’re active participants in dev. scholars(hip) so... #critlib

2 YEARS AGO

Sara Janes
@__skjanes

Q2: Canadian census is also excellent case study of rights subjects and rights of future affected ppl 1/2 #critlib

2 YEARS AGO

Sara Janes
@__skjanes

Q2 .. considering interests of future ppl in learning about their ancestors: who may exempt themselves for privacy 2/2 #critlib

2 YEARS AGO

Jennifer Eltringham
@bookuporshutup

A2 w/ another q: How do we balance respect for the living w/ possible erasure of diverse voices? Would hate to lose representation #critlib

2 YEARS AGO

Matthew Noe
@NoetheMatt

@bookuporshutup I wonder about this question every time the "right to be forgotten" comes up. #critlib

2 YEARS AGO
@bookuporshutup Esp when you also need to balance respect for the dead (as in the Moko article) #critlib

Anna St.Onge
@deantiquate

...we need 2B self-aware participants in that continuum. This means documenting our decisions, acknowledging gaps, disclosing bias. #critlib

Dan Cherubin
@skalibrarian

A2; Wondering if there's a shared dig record from all zine archives. Not showing content but ensuring copies exist somewhere #critlib

Violet Fox
@violetbfox

@skalibrarian I'dd be opposed to this except as an opt-in by informed zine creator(s). #critlib

Jenna Freedman
@zinelib

A2 agree we can understand today's ethos better than we can predict tmrw's, isn't predicting pt of spec coll/archivists job desc.? #critlib

Alexandra DM
@fromADMwithlove

We had this issue too, with developing an exhibit of a 75th anniversary. Everyone just wants to look good #critlib twitter.com/schomj/status/...
A2: Not just an issue of collection, but dissemination—i.e. I think this question becomes even more profound w/discoverability #critlib

Dan Cherubin
@skalibrarian

A2: poss issue: Many zines were cutpaste w/o using permissions then. Is content under someone else's ownership as well as zinester? #critlib

Matthew Noe
@NoetheMatt

@skalibrarian Interesting question: might we do unintentional harm by widening zine readership? Under radar until digitized? (A2) #critlib

Jenna Freedman
@zinelib

@skalibrarian Personally I tend to consider reused zine content as recontextualized, so no. There are exceptions but not that many. #critlib

Alexandra DM
@fromADMwithlove

my MLS thesis was on this. it was a fun nightmare trying to put in good faith effort :) #critlib twitter.com/skalibrarian/s...

Alexandra DM
@fromADMwithlove

@tararobertson i built a website instead of writing a paper. post i presented is here: dhalab.org/zineproject/co... seems aged already! #critlib
Q3 What are some #critlib models of providing community/research access to a collection, vs. protecting privacy?

Jenna Freedman
@zinelib

Q3 seems like a toughie. If you don’t have a response, you can also talk about why there’s no easy answer. #critlib

2 YEARS AGO

Tara Robertson
@tararobertson

A-3 I’m a huge fan of @mukurtu, see some examples of their platform in use: mukurtu.org/showcase/ #critlib

2 YEARS AGO

Ed Summers
@edsu

A3. I’m also really interested in the work @mukurtu folks have been doing localcontexts.org #critlib

2 YEARS AGO

Alexandra DM
@fromADMwithlove

my favorite thing i just found out about is localcontexts.org traditional knowledge labels #critlib twitter.com/tararobertson/...

2 YEARS AGO
Alexandra DM
@fromADMwithlove

for @documentnow @BergisJules is looking to make a local context labeling set for #socialmedia datasets! #critlib twitter.com/tararobertson/...

Sara Janes
@_skjanes

A3: I’m a fan of researcher agreements that allow access but limit what can be published/shared. No backfires yet. #critlib

Anna St.Onge
@deantiquate

A3. This is where I’m struggling with longstanding institutional practices of using researcher agreements to cover our posterior... #critlib

April Hathcock
@AprilHathcock

A3 This is a good and tough Q. Researcher contracts only go so far. How do you enforce? How do you remedy bad actions? #critlib

Anna St.Onge
@deantiquate

A3: researcher agreements are useful but shift towards community archives means we need to engage more with donors/community... #critlib

MARCinaColdClimate
@marccold

A3. I don’t know the answer to this, but I do hold off on ID-ing people in photos we digitize unless I am well and truly sure. #critlib
MARCinaColdClimate @marccold

A3. (cont) We have held off digitizing oral hists if we can't contact people involved- moving towards digitizing w/out publishing #critlib

2 YEARS AGO

jess @destreservation

#critlib A3. thinking abt this a lot WRT a model for post-custodial comm. archs. possibility/ethics of restricting access based on community

2 YEARS AGO

Nora Almeida @nora_almeida

A3: No easy answer here. But think participatory models are where it's at...eg: @InterferenceArc #critlib

2 YEARS AGO

Alexandra DM @fromADMwithlove

yes! @InterferenceArc is great #critlib twitter.com/nora_almeida/s...

2 YEARS AGO

Matthew Noe @NoetheMatt

I don't have an answer for Q3 - but I am loving seeing all of these fantastic projects others know of! #critlib

2 YEARS AGO

Gina Murrell @GinaMurrell1

A3 We should look toward #LGBTQ historical societies/archives as #critlib models of providing access to a collection vs. protecting privacy.

2 YEARS AGO
@tararobertson GLBT Historical Society, located in San Francisco, immediately comes to mind. glbthistory.org #critlib

#critlib A3: thinking about interactions LGBTQ folk have w. materials they use to research identity further problematizes this issue for me.

@GinaMurrell1 Yes! Also increasingly post-custodial approach - archivists don’t collect, records kept by their creators #critlib

hey #critlib, tons of communities have figured out how to do these things for themselves. BME for body-mod communities, AO3 for fanfic, etc.

communities living in legal grey areas, with lots of social taboos. it's *crazy* how we can just ask them how they're handling it. #critlib

@allanaaaaaaa can you link to something online that explains these models in more detail? #critlib
@allanaaaaaa and like, *let* them handle it, without stepping in with our own plans. (supporting, working alongside IF ASKED TO) #critlib

@allanaaaaaa ppl/groups make plans, rules & guidelines for themselves, even w/o a lib/archivist. a kind of cultural survivalism. #critlib

.@allanaaaaaa true. and some of us here are part of these communities. #critlib

@allanaaaaaaa yes! I think postcustodial archival theory & records continuum really have a lot to offer en.wikipedia.org/wiki/Records_C... #critlib

A3: also think its imp. to remember that archives aren't neutral or ahistorical. #otherness #critlib

exactly, who controls the archives? #critlib twitter.com/nora_almeida/s...
Q4 How should #critlib digitization decisions differ with regard to race, gender, sexuality, disability, etc. vs. those of default identities?
Matthew Noe
@NoetheMatt

A4: Considerations of individual safety should be considered in all digitization. Difference is default have less to fear. #critlib

2 YEARS AGO

Tara Robertson
@tararobertson

A4 would love to see institutions consider diversity as a criteria for digi projects, not sure what that would look like IRL. #critlib

2 YEARS AGO

Alexandra DM
@fromADMwithlove

I think @ucrlibraries considers it, but @BergisJules would know more #critlib twitter.com/tararobertson/...

2 YEARS AGO

Jess
@destreservation

@tararobertson as curator of dig colls I def do this - still it's tough to balance "institutional" priorities w/wider cultural ones #critlib

2 YEARS AGO

Matthew Noe
@NoetheMatt

What I'm saying: set the bar high - with those who have most to worry about - and others will be covered #critlib (Give me more room twitter)

2 YEARS AGO

Gina Murrell
@GinaMurrell1

A4 Take special care with these communities. Honor concerns about safety/privacy. Seek permission to avoid exploitation. #critlib

2 YEARS AGO
Gina Murrell
@GinaMurrell1
@tararobertson These networks are often informal. Nurture indiv/community relationships. Build trust. Reassure. Reassure. Reassure. #critlib

2 YEARS AGO

Anna St.Onge
@deantiquate
A4: Still struggling with this. We've done a lot of tokenism in the past (good intentions/problematic results). Trying 2 do better. #critlib

2 YEARS AGO

Rachel Mattson
@captain_maybe
[1/2] #critlib dunno which question this addresses but as someone who works in a way unfunded archives, the struggle is often ...

2 YEARS AGO

Rachel Mattson
@captain_maybe
[2/2] that ppl WANT their materials digitized and we don't have capacity to do so #critlib

2 YEARS AGO

Rachel Mattson
@captain_maybe
... and our collection documents and was created by ppl from many marginalized communities who feel under-represented #critlib

2 YEARS AGO

Lydia Willoughby
@Willoughbrarian
A4 #critlib evaluation & attn to inclusive language in metadata, subjects, topics used for description and access twitter.com/zinelib/status...

2 YEARS AGO
A4: consider whether digitiz will disproportionately impact some groups, even if those groups are not subject of collection. #critlib

2 YEARS AGO

A4: Another potential museum parallel: UBC's Museum of Anthropology. Lots of co-curation + management of sensitive materials #critlib

2 YEARS AGO

archives should provide online harassment + fair-use training to creators from under-represented communities before signing. #critlib

2 YEARS AGO

"so, this is our first QPOC community digitization project, therefore you should expect the following .... " #critlib

2 YEARS AGO

"similar creators in other places have experienced .... " #critlib

2 YEARS AGO

_kinda_ a3+a4: pondering what participatory + user-ok-driven entities/data infrastructure (w/requested data propagation) looks like #critlib

2 YEARS AGO

Q5 How should #critlib digitization decisions differ with regard to porn vs. other content like newspapers, books, or historical photos?
A5: Who gets to decide what’s "pornography" in a collection? #critlib

@skalibrarian Exactly what I was wondering. The "you know it when you see it" definition used in law is concerning. #critlib

A5: I come from the era of AIDS activist - Queer nation zines. Lotta stuff in those might be considered porn (altho I wd disagreec) #critlib

A5 - digitizing porn is completely different than digitizing old newspapers IMO. #critlib

A5 - if digitized, delivery should be mediated by archivist. it's only 1 hoop for a researcher to have to email & vet a request. #critlib

A5. Porn vs. paper: I think you have to think about it in terms of audience/consent/intimacy. Format/genre play a role, yes... #critlib
@tararobertson @jordanclaire curious: d'you think the age of this material matters? eg is porn from 1850 differ than OOB? #critlib

2 YEARS AGO

@AprilHathcock
@AprilHathcock

A5 Another good/tough Q. I think for all the A is the same: It depends. Talk to comm't'y. Work w/ them to decide. Rinse, repeat. #critlib

2 YEARS AGO

@deantiquate

The image/av/sound will always risk a more visceral reaction + carry risk, especially in decontextualized online environments. #critlib

2 YEARS AGO

@GinaMurrell
@GinaMurrell1

A5 Many who've worked in porn dissociate from it later in life. Again, ask permission. If they say, no, respect their decision. #critlib

2 YEARS AGO

@deantiquate

That said, I've decided against digitizing letters due to their profoundly intimate nature. Would be a betrayal to put up + open. #critlib

2 YEARS AGO

@zinellib

A5: anyone want to weigh in specifically about @RevealDigital's off our backs digital archive, per Tara's (IMO awesome) blog post? #critlib

2 YEARS AGO
Who all participated in this #critlib chat?

Jennifer Vinopal
@jvinopal

Hi #critlib, Jennifer Vinopal (NYC).
Jenna Freedman  
@zinelib

This is Jenna, a zine librarian in NYC co-moderating this #critlib chat bc I have strong feels about zine creators’ #intellectuaproperty.

2 YEARS AGO

Chelsea Heinbach  
@chelseaheinbach

Hi #critlib, Chelsea here, instruction librarian in transition from CO to CA- staffing chat as well so will likely be in and out

2 YEARS AGO

Thomas Padilla  
@thomasgpadilla

Hi #critlib, Thomas Padilla (UCSB)

2 YEARS AGO

Tara Robertson  
@tarae.robertson

Tara, work in accessibility, but thinking a lot about what we digitize and what we shouldn't. In Vancouver, Canada. #critlib

2 YEARS AGO

Rachel Mattson  
@captain_maybe

Hi #critlib - I'm Rachel, an archivist at @LaMaMaETC in NYC. Also a member of the XFR Collective, xfrcollective.wordpress.com

2 YEARS AGO

Lisa Hinchliiffe  
@lisalibrarian

@zinelib @tarae.robertson so glad you are hosting this! Lisa, infolit coord+LIS affiliate fac (UIUC). #critlib

2 YEARS AGO
Hi, #critlib! Archivist in Boston-ish. Long time lurker who will probably continue lurking today, but very interested in this conversation!

@ArchivistSariM

2 YEARS AGO

Hi #critlib, I'm Mel, a cataloger and LIS student in DFW Texas. Mostly lurking today to learn about this important topic.

@variouspagings

2 YEARS AGO

Hi #critlib - Ed Summers from UMD here, tuning in.

@edsu

2 YEARS AGO

Hi #critlib Akiema here, solo transportation librarian at Iowa DOT

@OnlyKiema

2 YEARS AGO

Hi #critlib, I'm an academic cataloger in central Minnesota. You can find chat questions and suggested readings at critlib.org/ethics-of-digi...

@violetbf

2 YEARS AGO

Hi #critlib, Michigan cataloger on her errand day. (Actually, always a Michigan cataloger.)

@marccold

2 YEARS AGO

Hi #critlib, I'm Sarah, an LIS PhD student (in like 2 weeks) at Pitt

@fiiidget

2 YEARS AGO
Gina Murrell
@GinaMurrell1

I'm Gina - job seeker & past project coordinator (contract) of Oregon Digital Newspaper Program. All about ethics of digitization. #critlib

2 YEARS AGO

April Hathcock
@AprilHathcock

Hi, April, academic libr in NY. Think a bit about digitization and ethics. Excited for this chat! #critlib

2 YEARS AGO

Jennifer Eltringham
@bookuporshutup

Hello #critlib, LIS student in Denver, excited to talk about @tararobertson's awesome article that I'm constantly sharing.

2 YEARS AGO

ontology mechanic
@cm_harlow

hi #critlib i’m christina, i work with metadata in some way, probably just watching this convo (thanks for having it)

2 YEARS AGO

Paige Morgan
@paigevmorgan

Really looking forward to today's #critlib! I'm Paige, a DH Librarian at the University of Miami.

2 YEARS AGO

Matthew Noe
@NoetheMatt

#critlib chat time! Hi folks, Matthew here. Library fellow working on graphic medicine on several fronts at UMass Med.

2 YEARS AGO
Amanda Meeks
@A_meeksie
Hi #critlib - I'm an arts/humanities librarian in Flagstaff. Excited to mostly listen & learn today, as I haven't had much digitization exp.

2 YEARS AGO

Jason W. Moore
@jwmoore
Jason - instruction and reference librarian - Dallas, TX #critlib

2 YEARS AGO

Anna St.Onge
@deantiquate
Hi everyone, Anna here. I work on digitization and outreach projects in an academic archives. #critlib

2 YEARS AGO

J Uhrich
@jaunrich
#critlib! This is Andy Uhrich from @iulmia which is the Indiana U Libraries Moving Image Archive.

2 YEARS AGO

Rebecca Fordon
@theFordon
Hi #critlib, MLIS student and law librarian hopeful. Here to listen.

2 YEARS AGO

Alexandra DM
@fromADMwithlove
jumping in late to #critlib digitizations & ethics talk as UX designer/activist archivist

2 YEARS AGO

Sara Janes
@_skjanes
Joining #critlib as an academic archivist on the cusp of several big digitization projects.

2 YEARS AGO
((Ethan Fenichel))
@EthanDF

hi #critlib! Ethan a sorta cataloger in south florida... lurking today, but always an avid reader-after-the-fact

2 YEARS AGO

Nora Almeida
@nora_almeida

Hi #critlib, I'm Nora, an academic lib from NYC. Late & lurking (working).

2 YEARS AGO

Bethany Nowviskie
@nowviskie

Hi, #critlib—Bethany from @CLIRDLF. Can't participate now, but eager to read. Taught both @tararobertson & @zinelib's work on this recently!

2 YEARS AGO

Libby Coyner
@RespectDesFun

#critlib Lurking here for the purpose of applying some of this in archives, recent work on right to be forgotten. Arizona-based.

2 YEARS AGO

Sarah
@sarahkirkley

Hi #critlib! Librarian and MHP grad student in Atlanta here to lurk and learn.

2 YEARS AGO

sarah v melton
@WorldCatLady

(Also, hi, #critlib! I'm a digital librarian in GA, soon to be in Boston.)

2 YEARS AGO
hiya #critlib - MLIS student, arts library ref. desk assistant and perpetual #critlib lurker. Joining late and reading fast.