CONVERSATION WITH CATTLIN BATADA M.ARCH I 2018 ON THE MIDDLE SCHOOL TEACHING PROGRAM

P! Can you start by explaining the background of the teaching program?

CB The teaching program grew

out of the Building Project

both adults and children.

graders at a public school

We had lessons about site,

homes, and representation,

lacking an overarching lesson

theme. The second year, we

graders at a private school.

resources, but I felt like our

a private school. These kids

lege and already had expo-

sure to design thinking. Even

though a private school wasn't

the right fit for us, that year

allowed us to test an overar-

ching course theme, which

storytelling.

impact was far less potent at

had a certain degree of privi-

The school provided a lot

of physical and planning

but realized that we were

worked with 4th and 5th

as a way to reach out to the

community and engage with

Our first year, we taught 7th

NOVEMBER 8, 2017

ness of the forces that shape

CB Right that's the essence of it.

gram after Building Project, your intention was to spread community awareness of architecture in the same way

CB I think we wanted to start the teaching program because the Building Project was so disconnected from the community that it was in. We wanted to physically get out there in the community and connect with the people that were living there.

Instead of being an "other" who had just come in to build this thing.

focused on Native American CB Our whole initiative with Over the past two years, I've learned to track what was to make ourselves known works and what doesn't work with different age groups and different schools. This year on multiple levels within the was more difficult logistically. The students had a shorter attention span and lower level of engagement than last year, just one of the ways that we and we had much shorter class periods. We started with the idea of democratic space in Athens. The students had already been studying Greek possible avenue and to make democratic spaces, so we them more generally aware engaged with something that they already knew. We look at The Building Project's goal is specific architectural signifiers also to make the community within the city—the Agora, the aware of different kinds of Acropolis, the Theater of Dioarchitecture. The teaching nysus. We analyzed context, program tries to reach out edge, circulation, and scale trying to be as repetitive as more clearly, instead of just possible with those keywords so that the students could then apply those concepts to an analysis of the New $\dot{\rm H}{\rm aven}$ the Building Project last year Green. We took a field trip changed to be more commuand charted activity, edges, nity-oriented in terms of its and landscaping. We gave partnership with Columbus them the chance to redesign Wooster Square because it's closer to their school. They did a loose collage exercise lookaffordable—[despite the fact ing at activity and program as

This week was our last class and we learned about representation in plan and section. That was a bit of a challenge your design process? in such a compressed amount

I left this year feeling a bit unresolved. I'll be more conscientious in the future about the extent to which we really need to teach students technical architectural skills. Architectural thinking doesn't necessarily need to be limited to those very specific modes of representation. Teaching them about program and activity was more essential. In the future I'm more interested in using collage or looser forms of representation to have a more interactive discussion about concepts. A big takeaway for me is to be self-critical and analyze our own process.

P! What is the planning process like? How were you working with the students' teachers?

ways to make the space more

democratic and full of life.

of time.

CB I co-organized with Kate Fisher and Alejandro Duran (both M.Arch I, '19) over the summer. Our primary goal was to work in a public school and give design tools to kids that might not have access to them otherwise. One of the teachers was telling us how important it is for inner-city students to design and problem-solve. A lot of their curriculum is very top down and task based. She seemed very happy to just allow the children to be loose and creative. It's invaluable that these students have access to creative thinking. Multiple students have said to me that they're interested in architecture and think that it's cool that we can change the way that we live through physical space.

The awareness that being an architect is a job option is often limited to students with more privileged backgrounds and educations. In that sense, this program as an effort to teach kids that architecture is something that they can do.

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CB Exactly. I think even some people here in YSoA didn't know that architecture was an option until college. Now the kids at least have some kind of understanding about how they can manipulate variables to impact a space.

P! Or even to give them an awarethe built environment that they live in.

P! So when you started this prothat the house did?

community outreach that year and not just make a house and leave, but to make a difference community. How does a single family home resonate within a larger context? Teaching was tried to explore that. The specific goals within the teaching program were to expose these students to architecture as a of their physical environment. and communicate those goals building something with no dialogue about why we are doing what we are doing. I know that House. But there were critiques about how much good a single family house was really doing, especially when it claims to be

> Do you feel like having to explain architecture and talk about design in layman's terms to students has helped you and

that] everything is donated.

CB Absolutely. To have to distill concepts to their essential building blocks and to see how an untrained mind interprets those meanings is really refreshing. Seeing how a student understands something like a plan or section helps me to explain it more clearly next time. It's always a back and forth process. I'm no expert on teaching in any way, but I've come to really enjoy and appreciate it. Being able to empower other students has been gratifying. I know that Deborah started her architectural teaching career with an elementary school class and over time moved to the university level.

Is it important to you in the context of these public schools that are sometimes lacking resources, to always have a theme that relates to an overarching social or political topic, such as Native American

> history or democratic spaces? CB I think it's empowering for them to understand, on an idealistic level almost, that architects should dream a little bit and have ambitions to create change for the better. That's not everybody's ambition in architecture but that is the potential maximal power of architecture. They can be optimistic about what architecture could do. We want to engage them enough that they continue to be curious, ask questions, and think "Okay,

> > I have this tool kit, now what

can I do with it?'

JOURNEY OF THE CENTURY ALEJANDRO DURAN **M.ARCH I 2019**

In cycling, a century is a ride of at least 100 miles.

their endurance to the point where they can ride the full distance without stopping. A century is, ostensibly, no feat for a novice.

In the summer of 2015, I was not a trained cyclist. In fact, I hadn't owned a road bike for more than two weeks. I had spent those two weeks exploring the San Diego County coastline in 25-mile sprints between my apartment in La Jolla and the coastal towns that dot the shore. College had just ended, and I had no plans. I thought that riding of revelation; all my friends were moving away, and I had nothing

better to do. One day I biked past my usual stopping point and wondered, 'What would happen if I kept going?" In Southern California the coast curves smoothly and gradually, so from any point on the coast you can track the shoreline until it fades off into a blue mist. Naturally this vista instills a sense of wonder. So early one morning at

5:00AM, I mounted my bike and headed to my friend Cole's house. I knew he would be awake; today was the day he was driving to Sacramento to start his new job. When he let me in, I began explaining my plan: I wanted to ride to Los Angeles on my bike, a distance of 110 miles. dismissed me as crazy and wished me good luck. Cole, however, cooked me five eggs and an entire package of bacon (half to eat with the eggs and half for the road). After some talk over coffee, Cole and I hugged goodbye, and I began my journey cycling up the coast through the "June Gloom," a thick marine layer obscuring the Southern California summer sunrise.

Cyclists usually wear a lot of special gear. Clip shoes allow cyclists to clip their feet onto the pedals. Padded spandex shorts prevent posterior irritation. Tight-fitting (Spandex??) jerseys ensure high aerodynamic performance and thermal comfort. That morning I was wearing some old desert boots, a pair of pink beach shorts

and a baggy Pink Floyd T-shirt. The first thirty miles were a breeze, familiar territory filled with foggy beaches and surfing towns. At Camp Pendleton, the friendly Marine guard advised me how to make it to Orange County. "Don't stop and stare at anything or we'll have to arrest you," he joked. At this point was a little winded but not shaken. The bare chaparral of the Marine base seemed to extend forever. I passed a column of tanks on the road and the gunners waved hello. Finally, I encountered some other cyclists. Right then and there I blew a tire. I hadn't packed a tube, but they gave me a spare without hesitation They even helped me adjust my seat. Your legs need to be able to extend fully," they advised, "otherwise you'll

get wicked cramps. Around San Juan Capistrano, U.S. Highway 1 ("The One") gets very narrow, with no shoulder for cyclists. It's a little harrowing. As focused as I was on not getting hit, missed a turn and had to climb a tremendously steep hill around Laguna Beach. I felt my bike wanting to pivot and do a backflip over my rear wheel. I almost didn't make it. My legs were wobbly Jello sixty miles in. As I crested the hill I saw something wonderful: an uninterrupted, sunny view of the coast all the way north with a long decline

Mile 90. Åt Long Beach, I was really done. The sun was setting, and I had eaten all of my bacon. I started up the L.A. River, a long ride with more wrong turns—turns out there are a lot of tributary canals. I biked past Compton, Lynwood, and South-Central when finally, in the distance, I saw the gleaming towers of downtown. every mile now felt like its own century. Finally I came off the river, stopped at Philippe's across the street from Union Station on Alameda, and devoured an exquisite rench Dipped sandwich.

One year later, I moved to New Haven, which is roughly 100 miles from New York by bike. Within a week of moving here I mounted up and rode to New York. This time I had Spandex shorts, a nice helmet, and a cool water bottle—I still have to get those fancy shoes. I made sure to pack twice as much bacon

I try to do this ride at least once a year, but I wonder what my next century will be.

Somewhere in the world, it's waiting to be ridden.

DIFFERENTIATE ARCHITECTURE DON'T DIVERSIFY IT MARTIN MAN M.ARCH I 2019

A cyclist trains for months before Earlier this month, Dean Berke updated stutackling a century, slowly building up dents on the ongoing process of YSoA's strateaic planning. Presenting the general agenda set for the school in the coming years, she highlighted diversity as a prime focus. But forthcoming efforts to bring in diverse faculty and students must also be coupled with a itself as it stands for this school.

That does not mean posing specific questions surrounding the status of renderings as representation or craft, for example, but requires interrogating the fundamental Eurocentrism of the conception of architecture which underlies globalized (*globallatinized*, as Jacques Derrida coined) my bike would lead me to some sort contemporary architectural design.

This is not merely a call to 'expand the canon' to include non-Western buildings and architects. When we address the issue of inclusion and exclusion from the architectural 'canon,' non-Western architectural traditions are inevitably labelled as 'Chinese' Architecture, 'Japanese Architecture,' or 'Islamic Architecture,' etc. without acknowledgment that 'Architecture,' without any modifier, is de facto taken to be the specific constructed intellectual lineage traced from Vitruvius to Brunelleschi to High Modernists

like Mies van der Rohe. Simply 'making room' for non-Western buildings in the existing discourse belies the operation of their inscription into the Euro-American tradition of interpreting built space as Architecture, and thus attempts to translate what may in fact be incommensurable spatial conceptions into one framework. Furthering inclusion within the At this point most people would have model of 'cultural diversity' emerges from Enlightenment logics which presume the ability to categorize and compare different cultures of building and space within the same (Western, universalist) frame of reference to Architecture.

An analogous motion would be to subsume Buddhist metaphysics under Kant's a priori structures, something for which the latter is not equipped, and if attempted, does no justice to the former. Indeed, applying words such as 'metaphysics' or 'philos-

ophy' to a Buddhist 'worldview' is already using concepts originating in a European context foreign to Buddhism.

In his 1988 essay 'The Commitment to Theory,' postcolonial theorist Homi Bhabha introduces the idea of 'cultural difference,' in contrast to 'cultural diversity.' Bhabha notes how the rhetoric of diversity leads to an obfuscation of incommensurable differences and problems of comparability between cultures.

Cultural diversity is the recognition of pre-given cultural 'contents' and customs, held in a time-frame of relativism; it gives rise to anodyne liberal notions of multiculturalism, cultural exchange, or the culture of humanity. Cultural diversity is also the representation of...totalized cultures that critical assessment of the idea of architecture live...safe in the Utopianism of a mythic memory of a unique collective identity.1

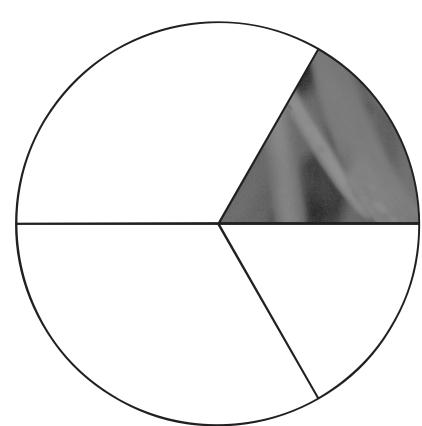
An acknowledgement of cultural difference, however, leaves room for certain impossibilities of comparison or smooth translation. Bhabha draws focus to the process of enunciation of culture—which perhaps can be expanded to include its performance through architecture. Cultural dentification is reconstructed anew at each enunciation, freeing it from 'the homogenising effects of cultural symbols and icons' which may essentialize cultures as pre-given, static, and bounded entities.²

Thus, we should reframe our attitudes toward what constitutes 'Architecture' from the view of cultural difference, allowing architectural and spatial conceptions to contest and collide, without being subsumed into the dominant Western frame of interpretation.

On a practical level, failing to do this means confronting the fact that a more varied student body will still be presented with Euro-American architecture as what 'officially constitutes Architecture. Meanwhile, architectural conceptions and histories relevant to their own community or background remain set aside as special interests in elective seminars, if not completely erased from institutional acknowledgement and

Simply bringing more voices to the table won't guarantee that the agenda changes, or that they won't be subsumed by the existing conversation. Ultimately, it is disingenuous to invite 'diversity' without efforts to fundamentally de-center Euro-American architecture from our education and move to a model based on recognizing difference.

Bhabha, Homi K., 'The Commitment to Theory,' New Formations 5, (1988): 18.



The 50th Anniversary offered a unique opportu-nity for current students to interact with alumni liscussions, and socia series of events helped place the MED program, f academia, professional ctice, and the overall fter ALBENA YANEVA'S room-picker KARSTEN HAR-RIES lamented a poor har-vest? of wild mushrooms this dearth of the super

ended on the School of Management for the Third Annual Yale Alumni Real Estate Conference, bringing together gradates from across Yale's n current issues in eal estate, accordin o attendants MICHAEL LOYA (M.Arch I and MBA '18) and MELINDA AGRON (M.Arch I and MBA '19). Business cards flew back and forth as designers projects past and future the chatter was only oc-

by bites of mini-muffins BLAIR KAMIN (MED itecture critic a eynote lecture of th idered" symposium. n criticism as an agen social and poli e waged against the TRUMP letters plaste along the Chicago Rive

ecture critic" by our

Go Blair!

At a post-reception The YALE ARCHITECTURE RUM kicked off Wednes day with Aaron Levy of The Slought Foundation and YSOA'S NINA RAPPA-Franzia served in tumbler The Architecture and "The Worker's Lunch Box, casing films about Maggie's Centres in the UK phia, seeking to give a oice to working-class Americans whose image has been co-opted and misused by many contem-Columbus, with its many porary politicians. The next Forum event, "Pro ill be December 5th YSOA EAST, a new student group fostering discourse and knowledge

eferences to New Haver and DEAN BERKE. Mean while, second years the annual daylighting MARTIN MAN (M.Arch , '19) attended the event "Re-Building the of Eastern architec-ture, held its inaugura meeting. Its founders, DANIEL FETCHO, KEVIN Built Environment Grassroots Activism & HUANG, ZIYUE LIU, IVEN ood apartheid, not fo deserts. Inequalities and lectures. Email them access to nutritious an to sign up for the mailculturally relevant foods are created—they don't just 'happen' like a des— PETER EISENMAN gave deserts are functioning nis BROWN BAG LUNCH

mante and James Stirling relating them through a rogression from columna The EISENMAN studio itecture, to wall architecture, and finally to poché architecture. As an aside, Eisenman finally got to experience Beethoven's Missa Solem-nis. After discussing noted Léon Krier's role the piece for months, in Stirling's oeuvre as being "The Great Corrup-tor". Asked KYLE DUGDALE "Were you ever tempted?" es, plus ELISA ITU Center for an afternoor eprieve from the con rete dungeon THE GAME took place in New Haven this year and, for the second year

avore," was not late

It started right on tim

met with its co-founder ELISA ITURBE to discuss

the group's history and

future. MICHELLE BADR

(M.Arch I, '20) reflect on her first semester a student in EID: par-

Rudolph's walls. How to

tomorrow's potential am

chitects, developers and

city planners?

combat this? How about

f getting self-ab

in a row, Yale took home the big win. Despite th the real rivalry of the game still needs some work. Both the Yale Prec. sion Marching Band and th Harvard University Band cularly noting the ease put on a rather question able, albeit entertaining 11/27: The custom cocktail following JENNY SABIN'S

Issue Editors: Katie Lau and (M.Arch I 2020) Hrefna Sigurðardóttin Coordinating Editors Julie Turgeon

n Paprika! do not rep-esent those of the Yale School of Architecture. Please send comments and corrections to paprika. ysoa@gmail.com. To read with lemon and "gelatinous Paprika! online, please gin." Otherwise known as a visit our website

Seth Thompson

MABEL O. WILSON spoke IN DESIGN'S Brown Bag Lunch Series. Wilson spoke about her research on space, political and ltural memory in black

been universal; its very

oundation was built upo

Contributors: Michelle Badr

(M.arch I '20)

Melinda Agron

(M.arch I, '19)

Azza Abou Alam,

David Langdon, Michael Loya, Meghan Royster,

(M.arch I, '18),

Paprika! Volume 3,

P! Assemble has a distinct identity, despite working with so many collaborators. If someone recognizes an Assemble project, what are they seeing? Are they seeing the product of your policies? Are they recognizing a particular methodology? Or do the eighteen of you just have a similar aesthetic? Where does your Zachariah Michielli identity come from and would it change if, say, twenty new

> AD It's very interesting when people talk about consistency across our work, because if you put two different people from the collective on a project, then you get a really different project. We frequently disagree about approach. The only thing that is consistent is that people are always able to do what they want and develop their own interests. But people do go to the same people with particular tasks. If you want something cast, there's someone in the office [who's] good at that. If you are making furniture, you go to James, who has a particular way of thinking about structure,

people joined?

P! Do you feel like you have expertise in-house?

and those things ricochet.

JH I think now, maybe not at the beginning, we have some expertise. There are some really good designers, marketers, theorists, etc. That comes with time. We always used to say that we were amateurs. We used to call our group talks Amateur Hour. Nowadays there are people who kind of know stuff.

CONVERSATION WITH

AMICA DALL (AD) &

JOE HALLIGAN (JH)

NOVEMBER 3, 2017

P! When you start a project with

make the residents and

a new community, like the

Granby project, how do you

community groups feel that a

make them feel like they're

investing their time and labor

into something that will come

AD I think that it's really bad when

we already have an idea and

just sort of parachute into a

because we were working with

their own needs. In the case of

Granby, the community already

had a set of ambitions when we

kids who weren't in a position

to vocalize, let alone act on

moved in.

JH You should talk about

New Addington maybe?

AD That one is complicated be-

cause the local authority set

the brief, which had a social

and a physical ambition. A lot

of projects that come out of

are geared towards creating

the appearance of the public

life of a square—concerned

In order to do a project like

that well, we knew that we had

to understand it longer-term.

needs and to respond critically

to the space. New Addington

was a place that had been

marginalized for a long time.

We spent a lot of time there

trying to understand what to

do. We moved into the office

of the community group and

turned the brief upside down.

Instead of just delivering a

renovated square, we spent

a portion of the budget doing

different things and putting

we weren't really sure what

something like illegally pedes-

there all night long, stopping

street and then an emergency

vehicle or something needed

an immediate way that you've

done something wrong. You

a really acute way.

learn about a public space in

There is this idea that

public realm architecture can

really transform a place, and

obviously it can't. There's only

planter and some resurfacing

There's a funny dance between

so much you can do with a

physical infrastructure and

culture. This project put us

in a position to think about

what design can and can't do,

but without necessarily being

defeatist about it. This meth-

odology—held up as a model

by commissioners—is prob-

ably something we wouldn't

do again, but we learned a

tremendous amount.

to get through. You learn in

cars from driving down the

trianize the street to enable

things in the square—building

We needed to answer real

with the impression of activity.

that kind of commissioning

FROM ASSEMBLE

AD That's a misunderstanding about amateurism though. The celebration of the amateur is about deprofessionalization. It's not about shittiness, but project is possible? How do you about doing things primarily because you want to do them. Not doing things to fulfill aims to fruition and have an impact? that are not your own. The first couple of projects taught us to think in a particular way because we had to approach things with a certain amount place. That happened in Glasgow of exasperated resourcefulness When that turned into formal commissions, we had amazing teachers [who] pushed us and helped validate us.

> P! Is part of your ambition to scale Assemble? Or present it as a model that other people could replicate? Do you want to encourage this type of structure or collaboration elsewhere?

AD It would be nice if people were comfortable with the work they produced, and were happy doing it, but we don't mean to suggest that our model is the model to be replicated.

JH It would be good if more architects were more actively involved in making decisions. At the moment, in the UK at least, architecture is very disempowered to make a change. In an urban project, architects come to the table so late, you only get to decide whether something is blue or red, and even that probably gets decided by planning. We'd like to see more architecture firms operating in a way where they can set up their own projects deciding what they want to do and finding funding to do it.

AD Architects are working in an industry that concerns how our shared land works. You on events. It was kind of chaos; should be able to have more we were doing. We had to learn responsibility for the impact a lot about how the space was that you have and take more really being used. We would do control over where you put your effort and what that effort perpetuates. There's nothing a pop-up market. We were out particularly special about our set of individuals. There's just structure that enables us to think about what we are doing and produce things that have an impact. It's not anything unusual—it's just what happens when people think for themselves about what they are doing, and have a structure within which their thoughts can be explored. I think a lot of people are doing work that they don't fundamentally back, and are deeply rooted in structures of employment. Our particular model works for us, but the important thing is that we are able to change it and

> that they are able to define. P! To the extent that your work is a statement about one way that architecture should work, do you feel you have a responsibility to promulgate this or increase the impact of what can be done through this type

> > of design work?

do it collectively. That's what

we would want other people to

be able to do. Not to be given

a model, but to have a model

AD Everyone has a responsibility to think really hard about what architecture is doing in the world, and to think deeply about their role in what that is—about the scope of their actions. It's not our responsibility in particular. We have the time and the space to think about these things and there is a responsibility in the sense that we have a platform to speak from. What we are doing at this moment is making our conversation a bit broader. To date we've been a very local practice, tackling issues very directly. Now we are thinking about how to scale and share that type of learning in a useful way.

P! I appreciate you bringing up the limits of what is actually possible as a result of your designs—not thinking that you can necessarily change the world with one public square. Sometimes community-based work gets a bad rap for having ambitions that are patronizing, but you are considering what aspects of community design work are legitimate and impactful.

attitudes that are endemic to the way that community-based design is talked about. There are loads of shitty attitudes embedded in it, but none are intrinsic to the practice. Historically, there has also been the problem of people aligning architecture that has a social ambition with crap design. Like if you want to do something socially good then you must do it with pallets? Bullshit! If anything, you have more responsibility to design better because the people are stuck with what you've designed. They have ess power to go elsewhere. I think that architecture can sometimes hide behind social ambition, like, "Yeah it's really important because it's a school or a daycare center, so don't criticize the design." Criticize it more because it matters more! I also think that on one hand people say, "Architecture can do anything," but on the other hand, commercial practice is basically denying that architecture has any agency whatsoever over anything. Obviously the truth is in the middle ground. Sometimes architecture is the right mode of action for loads of problems, and sometimes it's totally irrelevant. But the worst thing for architecture is to understand social responsibility

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AD I do think that there are

JH Sometimes, in the way that our projects happen, there is not enough critique of design. I worry that when you're the person setting the brief, you're incapable of also being the person to design it. So I wonder if Assemble should go about setting more briefs and employing other architects to do the designs so that there can be more critique to get the right design.

as a condition in which we are

glorifying bad design because

of the impact of the program.

P! Do you feel that you can speak openly among the other collaborators? How good are you at saying, "This isn't good"?

AD Too good actually. Sometimes it's like, "Back off," actually! This isn't school; this is a real project, help me out.

JH I think when people crit more, they get better at design. But the worst thing to say to someone is, "That's not very good." When someone shows you something you have to tell them what's good, question what's not good, and suggest something better.

AD Identify the assumptions that the design makes.

JH The worst thing to say is something that you haven't really thought about, after only looking at something for two minutes.

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AD People are getting better. Learning how to critique is as important as learning how to

JH We are all the same firm, so it's not a competition. When the projects get to a sticking point, they get handed around, which is healthv.

AD When it doesn't move around, you get bad stuff.

JH You always search for complexity. I think that's what makes interesting architecture. That happens through having lots of people critique it and having it pass through a lot of hands.

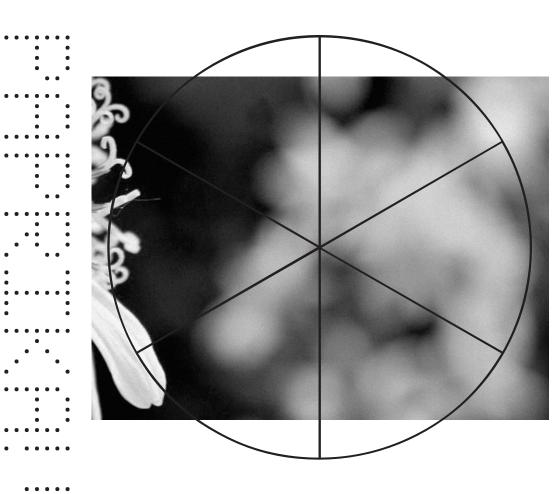
AD You make a decision that someone can't intuit anymore, but it's still there in your project. So there are those layers of intention.

JH You always have to look for friction. If something is too simple, it's boring.

AD When something isn't perfect-

ly resolved, there is room for

it to exist in the world. When it's totally resolved, you have total command over the form and the meaning of the design. When there are lots of competing ideas and it's porous, it can interact with the world in different ways and exceed what any one person might have imagined it to be. When a practice works well, all of these aspects are automatically generated.





EIVIPLOYABILITY PRACTICE KEEFER DUNN ON BEHALF OF THE ARCHITECTURE LOBBY

Keefer is an architect, adjunct professor at III, and a national organizer for the Architecture Lobby.

The student contemplating how to move forward and make a living in the profession has an almost impossible task. In the corporate spheres, stable employment and working on projects of massive consequence come at the cost of enduring the lip service paid to the "power of design" while acritically serving clients. Small offices are often thought of as a healthy alternative to the rote work implied by a corporate firm but are stricken with their own afflictions. latering to the wealthy is one of the few ways to keep a small office afloat, the other alternative being a precarious existence in cultural spheres where prestige challenges money as the most valuable form of currency. In academia, financial uncertainty, a hyperinflated belief in the power of discourse and technology to effect change, and a head-in-the-sand imperative to maintain autonomy, all thwart a valuable readiness to ask the hard questions of architecture. Even most architectural activism, what is now being termed "social architecture," fails to produce effective and active critiques as it focuses on alternate modes of practice that, although righteous and intriguing, end up perennially relegated to the scale of the local. For many young architects trying to pick and choose a path or trying to walk many at once in an effort o balance the pros and cons), the experience is architecture as eye exam—a rapid succession of different lenses followed by

an unanswerable "better, or worse?" Professional practice courses have by and large left this awful paradigm unexamined and unchecked, focusing instead on making students employable by equipping them with knowledge about the "the way things work" in the "real world." In a runof-the-mill professional practice course the way we work now is treated as gospel from on high rather than a historical construction that has weight but is ultimately mutable. It's a gospel students are eager to take in given a justifiable concern for getting a job so they can pay for health insurance, student debts, and rent.

Employability, the idea that one must always be striving to be employable regard-

less of their actual status as a worker has locked architecture in a death spiral Firms put pressure on schools to train students in navigating a business paradigm that is unsustainable and ill-suited to the 21st century. Schools must ensure they are graduating employable students to keep a steady flow of recruits (the pressure to be employable begins well before one is of a working age and job placement statistics are an important recruiting tool). Students must accept the reality or risk the kiss of death of becoming unemployable. The entire profession is put into a prisoner's dilemma where the possibility of firms, schools, students, and workers coming together to change a negative status quo to the benefit of all carries too much risk for any individual party; the result is that everyone loses because everyone must subscribe to an outmoded and unhealthy

way of doing things. Fortunately, many are now looking for ways out of this log jam, including the Architecture Lobby. Given the scope of the problems, our approach is by necessity varied. This has led us to organize into what is in effect a hybridized mutual-aid society, activist formation, research collective, professional advocacy group, and proto-union. On the professional practice education front we have followed the lead of Lobby board member Phil Bernstein, who teaches a forward thinking professional practice course at Yale. We now have several Lobby members who are teaching courses themselves and/or liaising with like-minded teachers. To this point, collaboration has primarily taken place through resource sharing and more general conversations about how to do things differently.

Those conversations have yielded a belief that professional practice could and should be just as lively a place for experimentation and critical inquiry as a studio or a history and theory course. We believe that the academy should take practice and politics seriously without simply indoctrinating students into the neoliberal workforce or ignoring its hegemony. In other words, we see an opportunity to use the relative autonomy of the university as testing ground for questioning convention rather than reinforcing it. We want to equip students with the skills and theoretical heuristics to engage with the dominant modes and forces of architectural production while maintaining critical faculties and distance. When such a distance is combined with activist organizing what you get is the agency and power to make the changes that are desperately needed.

CONVERSATION WITH PHILLIP BERNSTEIN FATA AND LECTURER AT YSOA NOVEWBER 14, 2017

- P! Can you speak more about your response to Aaron Betsky's recent article in the Journal of the AIA "'Architect' Goes to Jail, World Shrugs"? Betsky claims that as a fake architect, Paul Newman created work that was "neither better nor worse than what some architects produce on a daily basis" and that licensing
- architects could use to have more leverage in the design entities are the real problem. and construction process. When you hear from some in PB There's a circular firing squad academia that it might limit that architects always form their design process, I have to ask what about when parallel around licensure. "It's a really bad thing." "It's exclusionary." rulers were invented? Tools are "We don't need it." "It's expenjust tools. You use them as you see fit. I was reading an argusive." "How come I have to take that exam?" My argument, ment recently that Modernism as I argued in my response to and its orthogonality was a Aaron Betsky, is that if you get function of the orthogonal tools of projection available your way and anyone can call themselves an architect, then at the time. What privileges there would be no architects, that set of representational tools over another? The tool because in systems of delivery may absolutely have shortthere are all kinds of good reasons to involve an architect, comings, but to suggest that but the main reason clients it constrains the freedom of do so today is because they the designer is really a limiting are legally required to do so. way of thinking. It suggests that If clients didn't have to build you can't use Rhino, a triangle, buildings around safety codes, and Revit at the same time... they wouldn't do that either. and ultimately architects who In a world where lots of knowlare not very talented are going edge work will soon be autoto be constrained by tools, and mated, what is the purpose of architects beyond guaranteeing the public's health, safety,

P! But what about the monoand welfare? Ultimately, a lot of the work of architecture, especially the technical parts, will be automated—so there will be a large existential discussion about the profession in general, and the conversation becomes about our value. If we believe there really is something there that's important, then we need to go to bat and argue that the public's safety and welfare is PB I don't disagree with you, a broader concept than just safety, and you need archi-

ford years ago that 80% of tects to protect it. the inputs to all buildings are I think people are barking up the wrong tree trying to get exactly identical. There has to the AIA to change their Code be a logical progression in a of Ethics. That would be a PR profession like ours that has no victory of no value whatsoever agreed upon logic structures. Because the architects who I used to argue that Revit is design prisons don't give a shit not a piece of software but an about the AIA. What we should epistemology. If you accept an be doing is changing the defiepistemological view of how a nition of public health, safety, building goes together and the $wellness. \ Imprisoning \ people$ advantages of using a certain in solitary confinement for 50 tool, than you have to accept days in a row violates their huthe disadvantages as well. man rights. And architecture It's also not an end state. should be about protecting New software is being develpeople's human rights, by law! oped at a very rapid pace. It's an incredibly powerful weapon Not because of some ethical canon that certain architects to use to advance a design choose to abide by. agenda, but instead, everyone is obsessed with the fact that Licensure is about declaring a minimal competency they can't make a window ex-

standard, but the reason you

place is to ensure the public's

health, safety and welfare. So

the question is, can there be a

more expansive responsibility,

think in today's computational

world, it's possible to predict

outcomes which you couldn't

predict before. Instead of

saying, "This is going to be

you can say, "This building

will be delivered on budget,

on schedule." "It's not going

to leak." "It's going to meet

energy requirements." You

can say, "It will increase the

amount of time that doctors

can spend with patients" or

"It will increase the contact

time between teachers and

students." Being able to say

that architecture is able to get

specific, measureable things

education) is where the real

of the argument, though, is

that licensure is not some

extramural thing over which

we have no control. Who runs

NCARB? A bunch of architects!

done (like improving health or

value lies. The other dimension

a really great building...

legally? This intersects with

another interest of mine. I

got to the table in the first

How will software and automation change what gets taught in an architectural education? Will technological advancements lower the bar to contributing design ideas?

actly the shape that they want.

PB A recent book I read on the machine learning phenomenon talked about this idea that technology de-skills people, that eventually there's no one around who knows how to sew a shoe or thread the thread in a loom. But there's a difference between de-skilling and not understanding what weaving is about. We teach you Structures so you can understand the structural dynamics of buildings, not so you can learn to be a structural engineer. I think it's important to explore the specifics of each technological innovation, rather than trying to generalize about the profession and the effect of technology in the large.

So what is the path forward for architects interested in thinking more about the nature of

P! But certainly quantifying a more PB I just wrote an essay for an cohesive standard for good Architectural Digest issue design is not an easy task... that explores the degrees of freedom available to architects PB It's a multi-dimensional probto explore a variety of issues. lem. One dimension is legally All the other essays explored expanding the definition of the what it means to make "good" public's health, safety, and architecture, but none of them welfare to something broader address what our role is as than just fire and earthquake architects in the systems that protection, then changing produce any architecture at the nature of training and all, whether it's licensure or experience to include those the supply chain. As if somethings. Then, changing the how "good" architecture or the ability to make "good" nature of practice to actually demonstrate the value of architecture exists indeyour new definition. This whole pendently from these things?

idea of measuring things and It's completely reliant on these processes. Either you underdemonstrating that things are actually going to happen is a big stand and manipulate the difference from how architects system, or the system manipulates you—and I think licensure currently practice. falls under that category. And P! What do you say to architects it's not the design thinkers who claim that a BIM-centric of the world who get involved workflow is limiting to design, in the nitty-gritty process of or that it encourages a certain thinking about licensure today. cookie-cutter approach to Those same folks may be more interested in systems of delivery—the role of the architect PB In the interest of full disclosure, relative to the contractor and I was the executive at Autodesk other players like fabricators responsible for Revit and the since those constraints more directly affect buildings. But, creation of BIM as terminology. We made a commitment they are all part of the same

to build this weapon that

culture of certain software?

their own set of drafting tools,

there are few alternatives to

a tool like Revit (and certainly

no equivalent open source

software). Isn't there some-

thing worrying that the default

ware are being used by 80% of

parameters of a piece of soft-

but I read a study from Stan-

architects in America?

Bernstein, Phillip G. "Bernstein on Betsky." Architectmagazine.com. October 4, 2017. Accessed November 28, 2017. http://www.architectmagazine.com/prac-tice/bernstein-on-betsky_o.

in, direct, and control.

context that we need to engage

UNQUALIFIED HOOSIER SEEKS SAME CAITLIN QUA INDIANA UNIVERSITY MAAA 2019

I am starting to think that preaching conscious unqualification might be the hill I die on. I spent four years of my undergrad digging into art history and gender theory—and I lived every day looking people in architects who are talented are the eyes and willing them to make me utter the phrase "hegemonic masculinity," or make me explain why everything they thought about Gauguin was wrong. I was tripping While every designer may have over myself to be pretentious. Funny how that usually accomplishes

In an evolution of self that I believe tipped toward the positive, I became sick of the show. I wanted to tell people about art without sounding like, for lack of a better word, an affected jerk. So I began consciously shifting the way I spoke and taught about art.

After dropping the act, worlds opened up to me. Well, more realistically, I found myself stumbling, minimally prepared, into these new worlds. A good way to start being unqualified is to accept a job, one that you never applied for, via email from someone you've never met. Thus, I began to lead hands-on, collaborative art workshops in an

elementary school in rural Indiana We looked at art my students recognized—Van Gogh's Starry Night, da Vinci's Mona Lisa, Munch's The Scream. This was art they knew, and I started with these examples because I wanted them to feel like experts, like they were qualified to talk about art. But the real learning and exploration occurred when we looked at unfamiliar artists.

"Raise your hand if you have

heard of Romare Bearden," I would say at the beginning of class. "No!" was shouted in response. "Does he have a beard?" would be the next question from the class, typically met with laughter. But once we flipped to Bearden's The Block, everyone was enraptured. They were confused together: "Why are anaels breaking through that building?!' They thought about medium: "Why do you think he made that eye an actual picture—why didn't he make it himself?" And they asked me to zoom in on certain parts of the 18-foot painting as if I was merely manning the computer during their doctoral thesis presentations.

I saw engagement and analysis from 8-year-olds that I didn't experience in classes full of 21-year-old art majors. It made me auestion the notions of expertise and qualification. Through an earnest, curiosity-driven approach, these elementary students took far more away from Bearden's work than the undergraduate classes participated in because they weren't shackled to the idea of looking at art "the right way." Instead of saying Bearden experimented with mixed media in rich and innovative ways, they said, "Well, my dad gets a newspaper at home so I could make this too.' Instead of saying that Bearden placed aspects of African-American cultural history into the context of universal themes, they said, "I've been to New York and I recognize that street for real, also it looks like my grandma's street where she lives because of the colors!

There is a very real inferiority complex in Indiana. The presumption is that we are culturally behind that our art will never be great art. It holds us back and, for better or for worse, keeps us humble. That day in class, however, I witnessed my students let loose from this perpetually unqualified Hoosier mindset, as they discovered that they could understand art, talk about art, and possibly even make art.

PUBLIC SURVEY: In an effort to include additional viewpoints in our discussion of architecture, Paprika! asked Yale students in the Woolsey Hall Rotunda for their opinions on three famous works: Villa Savove, Hollyhock House, and Vanna Venturi House. We only gave background information when asked, and we assured students that the designs were not ours and that any criticism wouldn't hurt our feelings. In the style of before & after home renovation photos, we've depicted some of their comments in the following collages.

"Could we get your opinion about this piece of architecture?" "I have no opinion on architecture."





ON VILLA SAVOYE: ★★☆☆☆ "It doesn't look right for a family, but maybe Justin Bieber would live there." "It looks great for parties. It needs a swimming pool."





ON VANNA VENTURI HOUSE: ★★☆☆☆ "It looks pragmatic and conservative, like it can be assembled guickly to house people. It's ugly, but how important is aesthetic when people need housing?" "At first I thought I saw a cross on top. I thought it





ON HOLLYHOCK HOUSE: ★★★★☆ "Terrible lawn. The grass needs more nitrates."

Villa Savoye original photo credit: Ahlskog, Christian. "Villa Savoye Exterior." Digital Image. Flickr, July 4, 2012. Accessed November 26, 2017. https://www.flickr.com/pho-

Vanna Venturi House original photo credit Chestnut Hill, Philadelphia, Pennsylvania."
Digital Image. Wikipedia, 1989. Accessed
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Hollyhock house original photo credit: Kanouse, Kent. "Prank Lloyd Wright's Holly-hock House." Digital Image. Flickr, Septembe 8, 2007. Accessed November 26, 2017. https:// www.flickr.com/photos/kkanouse/1358820578/

AN UNOUALIFIED URBANISM DAVID SCHAENGOLD M.ARCH I 2020

Writing about slum urbanism,

emphasize the fractured, chaotic

nature of the physical environ-

even if celebratory, tends to

ment of slums, as if they were mere splinters of the ordered whole of modern life. I suggest instead that the slums possess a distinct autonomous order in contrast to the splintered quality of life in ordinary formal settlements. It is not this order that constitutes a slum, because a slum is by definition a human settlement within the metropolis that has repelled, whether by accident or deliberate effort, the governmental practices that collectively generate an official place. But within the space created by this purely negative definition (the absence of full governmental modernity), one finds a distinct and positive quality, unrelated to the slum's negative character as a zone of exception. In characterizing this autonomous order, care is warranted, not only to avoid the obvious risk of romanticizing the objectively not-so-great living conditions within many (though not all) slums, but for the more significant reason that the life of the slum is characterized by a set of logics—political, cultural, religious, etc—that are structurally different from the logic that governs the lives of those who live in the formal sector. The political and cultural logics that order life in the slums belong to what a social critic might call "human life as such," unassimilated into the very different logic of modern globalized society, which offers administration in place of politics and a culture industry in place of a culture.

(It may need to be stated that slum life, at least in the Indian slums that I have visited in and around Mumbai/Bombay, is quite unlike what might be imagined by those who are unfamiliar with this form of urbanism: the quality of construction is sometimes quite high; in some slums most residences have electricity, poached with varying degrees of skill from the utility lines that pass nearby; some have quasi-professional police forces; most above a certain size have some system of self-government; some are full of FVAIL O+A WITH shops selling all manner of daily necessities and pleasures; in almost all, the alleys are full of gos sip and play. In short, the slums that I have visited are generally what Professor Garvin might call 'mixed-use districts with a vibrant street life"—all of this simply takes P! Do you feel that the value and place outside the purview of the

formal state apparatus.) I will offer an illustration: I was once spending the day following an inspector from the state of Maharashtra. The slum was to be cleared by the state's redevelopment bureaucracy, and its residents compensated in kind for the destruction of the dwellings, businesses, etc., that they had constructed or bought over time. In Maharashtra this inkind compensation usually comes in the form of a flat in a poorly located and poorly built highrise, and so the inhabitants are generally unenthusiastic about the process (though this depends on the particular character of the slum—some are so physically dangerous to live in that their inhabitants welcome the chance to be compensated for moving, even to a worse location). The compensation is offered on a pro-rata basis; that is, if you have a large house in the slum, you will get a proportionally large flat in the high-rise. Here the state runs into trouble, because the slums are illegible to it. The state has no cadastral map of the slum, no deeds on file, not even a list of who the property owners might be. In the face of this illegibility, the slum must be subjected to a formal survey—it must cease to be a slum, in one sense—before it can cease to exist as a physical

And so, clad in the uniform attire of his office, cloaked with the full territorial power of the

sovereign state, clipboard in hand, with me close beside him the state inspector enters the slum as the embodiment of this surveying process. His function is to implement the algorithm by which, in its immense but finite subtlety, the government of Maharashtra will decide what each property in the slum is worth. And it is at this point in the process that the slum makes clear that it is not passive prime matter to which the state's procedures may give form. In the absence of the habitual docility before the state that we think of as the ordinary condition of human life, in the slums an altogether different habit prevails. One might call this habit "politics."

Politics is unfamiliar enough to

those of us who live in the formal sector that it is worth describing what it looked like in this case, which was the collective, in-person appearance of nearly all the residents of the slum. Unwilling to accept the allotment per the state's algorithm, the slum residents followed the state inspector during his entire traverse of the slum, not to lobby him on their own behalf, as if in a state of nature, so to the speak, but to hash out with one another what the just allotment should be. In the end, the inspector was forced by what one might (reductively) call the moral force of collective decision-making to disregard his algorithm and accept the residents' collective judgment as the legitimating process by which to compensate its residents. It is not resistance, exactly,

that is offered to the state inspector in this story. It is the autonomy of the residents' own political lives—which has nothing to do with the state—rather than hostility, that makes the slum-dwellers effective in removina the compensation process from the sphere of the sovereign's claimed legitimacy. (Antithesis, one might say, only advances the dialectic of state and capital; only an oblique movement can stall it.) No one in a slum is officially qualified to build, to police, to govern, and yet building and governing go on. And, in the space left over by the absence of "qualification," so does

LATERAL OFFICE LOLA SHEPPARD (LS) MASON WHITE (MW)

expertise of architects are changing or should change?

LS We have been interested in expanding the agency of architecture by, among other things, redefining at what point the architect might get involved in the design process. Typically, architects are brought in once site, program, and budget have been established. However, an overlooked skill of architects is synthetic thinking—looking at spatial, cultural, social, and economic questions simultaneously. We see architects as possessing the skills of detectives. We see design as a mode of speculative research in the early phases of the project, when the architect can look at social and cultural context, site, logistics and other questions. This allows the opportunity to identify synergies and overlooked possibilities. In this role, the architect might help shape the brief and conception of the project, instead of simply giving form to it.

MW The question and value of expertise are difficult, in part because Architecture is slow, both as a discipline and as a practice. There is more of a viscous, reactive change that is always taking place, rather than the fits and bursts that might be found in other creative disciplines. But there are advantages to slowness.

I would say that we are suspicious of expertise, or any claims to expertise. We think a more productive identity for the architect is to be an expert generalist—someone whose expertise is where spatial practice impacts or is impacted by external factors. Here I am thinking of probably the most influential diagram of disciplinary meanderings: Charles Jencks' diagram 'Evolutionary Tree of the Year $2000.^{\prime\prime1}$ Produced in 1971, it documents historical shifts as well as speculates (up to the year 2000) possible areas of interest for architects and shows the fluid connections between eras and external influences. Jencks revisited it in 2000 to reflect on its predictive

P! What makes you feel that architects are qualified to address ecological, social or political problems?

MW It's interesting that these

issues—ecology, society, and

politics—are sometimes placed

outside of architecture, as it's also crucial to recognize the limits of disciplinary knowlthough you can remove them and just have architecture by edge. There are always limits itself. But, I don't think you can. There is no architecture Do you see your work in a traby itself. What would it do? iectory of an overall evolution Whether an architect likes it or of the practice of architecture, not, their project is participator as a mode of practice that ing, even if involuntarily, in an exists alongside traditional argument about contemporary issues. In some instances, even non-participation in a MWI am open to either interpretation, although we try not to particular issue is a subtle positional argument. Architects think about this too much. must be semi-qualified for I think we exercise a mode of many things that they will not practice that might not fit for necessarily be experts at, since someone else, and that is fine. many of these things come We don't see our success as embedded in the outcome of being about how many we can convert to this mode. Though designs. Having an awareness our practice model might not of a design's impact on society, environment, economy, pol-

itics, is what distinguishes an

architecture more accepting

of response remain within the

discipline. Looking outside of

a discipline is not to avoid its

particularities, but rather to

that it can or does have.

P! Have you been in situations

support you?

expand and clarify the ques-

tions and ultimately the agency

where you feel unqualified tak-

ing on a particular problem?

In those situations, how have

you engaged other experts to

Price declining a complicated

commission for a house from

that they needed a marriage

counselor, not an architect.

work for human reasons. But,

yes, we have been in similar

situations very recently, and

in fact, are often trying to put

thinking of a design-research

ducted recently titled "States

to some very dark corners of

of our own electronic waste/

consulting the United Nations

reports on this and had a few

conversations with

project on e-waste we con-

How refreshing to decline

MWI like the anecdote of Cedric

of its inevitable influence.

LS We like Isaiah Berlin's meta-

phor of the hedgehog and the LS In 2015, I was one of the organizers, with David Ruy, of the fox, taken from the Greeks. Association of Collegiate Berlin offers the contrasting characters; Colin Rowe later Schools of Architecture Annual brought it into Architecture, in meeting titled "The Expanding this way: the fox knows many Periphery and the Migrating things, but the hedgehog Center," which was asking knows one big thing. Architects many of these questions about cannot pretend to be ecologists the contemporary state of or sociologists or politicians, practice. We hoped to use the but they can engage and annual conference of educalearn from these disciplines in tors to highlight the anxieties surrounding architecture beorder to expand the agency of architecture, urbanism, and ing compromised by external landscape. Recently, we have forces. One observation that the conference brought to the begun using and embracing the notion of being "undiscifore is that it's not clear that plined." It's a playful acknowlthere is a "traditional practice" edgement of a critique that anymore. Practice seems to one may level at another. This be moving to a shifting and kind of practice is not anever-expanding periphery with several niches. This is both natti-disciplinary, nor necessarily multi-disciplinary. Instead, it ural and healthy to the survival accepts that questions may be instincts of a practice. provoked outside the discipline, although the methods In your opinion, when does

building become infrastructure and when does infrastructure become landscape? MW It is an interesting question

of taxonomy. However, looking for distinct categorical lines within any sub-genre can be frustrating. While there might be dictionary-defining representations of infrastructure and landscape, these increasingly slip toward each other. In fact, qualities of both have to be relevant today, because landscapes have to perform (like infrastructures), and infrastructures often need to masquerade (as landscapes).

a couple by instead suggesting This is a tricky question—to define and distinguish that line would be ambiguous. However, I think we see infrastructure operating at a more territorial scale—it implies an organizaourselves in this situation. I am tion with certain systemic logics. Buildings and landscapes operate within the scale of a singular site, although they of Disassembly," which took us often are tangled within infrastructure—literal and territocontemporary life—our denial rial—which makes [infrastructure] relevant to understanding consumption impact. We were their impacts and influences beyond the specific, bound site. Rosalind Krauss asked similar questions for sculpture in the

1970s with her essay "Sculpture in the Expanded Field," by introducing, through a Klein diagram, more hybrid kinds of sculptural outcomes, such as axiomatic structures, site constructions, and marked sites.³ These are also sculptures, but with maybe non-traditional understandings, and this opens an "expanded" possibility for the production of sculpture. In thinking analogously for architecture, there may be expanded outcomes with similar Although atypical architectural new categorical claims, such scales, they were necessary to as productive surfaces, civic conduits, or spatial containers.

a Dutch chemist who specializ-

es in sustainable development

and statistics and a German

political economist.² It was

interesting to try to find a

common language to under-

stand each other. They were

perplexed by why an architect

would be looking at this—and

that skepticism helped us to

clarify our intent. In terms of

the drawinas to reflect on the

research, we decided to draw

at three scales: the Earth, the

territory, and the machine.

communicate the findings.

LS In terms of how we work, we

rely on in-house, in-depth re-

into disciplines outside of our

own. This provides a means

of gathering information and

knowledge before formulat-

ing questions about a given

subject. However, depending

the project, we often consult

on the length and scope of

or collaborate with others.

In expanding the questions

it seeks to provoke and ask

architects might grapple with,

search as a first point of entry

Architecture 2000: Predictions and Methods (1971), and then later appears

Baldé, C.P., Wang, F., Kuehr, R., Huisman, J. (2015), "The global e-waste monitor - 2014," United Nations University, IAS SCYCLE, Bonn, Germany. panded Field," October, vol. 8, (Spring

MCREDENTIALED N SILICON VALLEY M.ARCH I 2020

In unpacking the mythology of Silicon Valley—fertile land of startups, software, and standing desks—the most enduring arche type seems to be that of the college-dropout self-taught hacker. In certain circles, an active profile on the coding platform GitHub can carry more weight than a degree from a prestigious university. It's make the most business sense, easy to think that deemphasizing the value of traditional credentials questions about the boundary might expand access to the technology workforce for people from of disciplines. This can be risky, but a worthwhile risk, we hope. more diverse backgrounds. But, espite Silicon Valley's supposed focus on pure meritocracy (or perhaps because of it), the industry remains predominantly white

A recent study conducted by not-for-profit Ascend Foundation found that Black and Latinx representation in Silicon Valley has declined over the past decade.1 Although Asians are more likely to be employed by tech companies, the study found that they are least likely to be promoted to managerial and leadership positions. Meanwhile, according to the U.S. Equal Employment Opportunity Commision, women hold 23% of technical roles in Silicon Valley and according to a report by law firm Fenwick & West LLP, only 11% of executive positions.^{2, 3} Although companies such as Google, Apple, Microsoft, and Amazon claim to devote substantial resources to leveling the playing field, it's clear that systemic cultural and structural barriers remain, from misogynistic and inhospitable work environments to bias in hiring processes.

The paradox of seeking raw talent and ending up with a omogeneous community runs even deeper—to the very ethos of the hacker culture that pervades Silicon Valley. To be a hacker is to be not just a good programmer, but one with specific personality traits: usually a degree of irreverence and a fierce sense of independence. Traditionally, hackers pride themselves on their ability to wield total control over computers and the networks and platforms they comprise. This ideology runs counter to a host of government intrusions—from patents and copyrights to financial and workplace regulations—and relies on championing certain American ideals, especially free speech and freedom from surveillance. In this sense, the prototypical hacker is one who holds libertarian political views and a stubborn belief that anyone with coding chops and enough ambition can succeed in life. Unfortunately, such a narrow and reductive conception of success fails to accommodate technologists who don't fit the preconceived hacker stereotype, face structural discrimination and bias despite their programming ability

set of ideals in the technology industry is most apparent in the school of thought held by Paul Braham, founder of Y Combinator the most prestigious Silicon Valley startup accelerator with a portfolio of startups now worth a combined \$80 billion. Graham has a history of espousing dangerous generalizations about what has made previous startup founders successful, including statements that startup founders should be under 32, that strong foreign accents are "a real-/ bad indication," and that women who haven't been coding since age 10 can't "look at the world through hacker eyes and start e.q.] Facebook." ^{4, 5, 6} But one need look no further than a 2013 New York Times interview with Graham about Y Combinator's influence to

or lack interest in labelling them

The danger of confusing the

hacker ethos for a more inclusive

selves hackers in the first place.

"I can be tricked by anyone who looks like Mark Zuckerberg. There was a guy once who we funded who was terrible. I said: 'How could he be bad? He looks like Zuckerberg!" 7

understand why Silicon Valley is so

homogenous despite claiming to

be exclusively merit-based:

Indeed, the makeup of Silicon Valley turns out to be much less a reflection of raw talent and indifference to credentials, and much more a reflection of who venture capitalists feel comfortable throwing their weight behind and which stereotypes the investment community perpetuates as "predictors' of future success. To the extent that Silicon Valley

continues to champion uncredentialed access to the technical workforce, its focus should be on merit-based employment practices, yes, but also on dismantling the ways in which systems of power rom seed funding to hackathon npetitions support biases, prop up structural racism and sexism, and perpetuate exclusionary ideals about the nature of the true hacker. Ultimately, ensuring a diverse, welcoming community with equal employment opportunities for all will require a willingness to learn more about the plight of the disempowered, an uphill battle in combating workplace discrimina tion, and comprehensive reform of hiring and promotion practices all tasks which require expertise, education, and thoughtfulness far beyond the supposed minimal set of self-taught programming skills needed to succeed in Silicon Valley.

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We students of architecture devote the majority of our time, energy, and money to the pursuit of qualification. What, in the end, makes us particularly qualified? A degree? A Yale degree? A license? And what then? Qualified to do what? At what value? In this Fold, we explore how those who are deemed qualified construct and defend pedagogies of education and profession, while those who are determined unqualified subvert traditional modes of practice. In an era of institutional distrust and broad uncertainty about the role and value of the contemporary architect, we ask, what are the boundaries— Katie Lau, M.Arch I 2020 & Seth Thompson, M. Arch I 2020 of practice, of architecture, of expertise?