AES PNW Section Analog Synths Renaissance Meting 2025Jan30 Zoom Chatlog Time shown is a Zoom offset from GMT Jan 31; meeting started about 6pm PST Jan 30. Elliot Omiya: I fondly remember the San Francisco AES conference in 2005 where Bob Moog was in attendance and prominently revered. It was kind of the analog synth renaissance event. 02:38:58 Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to "I fondly remember th..." with 💚 02:40:38 Michael Ashton: Reacted to "I fondly remember th..." with 💙 02:46:15 Donn Rutkoff: News from San Diego. Our 1929 Fox theater, home to the SD symphony, was totally renovated and looks great, new seats and all, and GREAT acoustics. Paul Scarbrough did the acoust and HGA was the architect firm. Dvorak's New World Symphony was probably the best orchestra concert I've heard . In 70 years on earth. Donn Rutkoff Oceanside CA near Torrey Pines: Paul 02:49:11 Scarbrough's firm is Akustiks Hi, I'm driving right now so will intro 02:49:35 Juliet Wong: myself here. I'm Juliet from Los Angeles, finally formally studying audio, radio & tv at my local junior college, Pasadena City College Jess Berg - AES PNW Vice Chair (St. Paul, MN): "Hi, I'm driving righ..." with ♥ Reacted to "Hi, I'm driving righ..." with 💙 02:49:50 Elliot Omiya: Trent Thompson: Reacted to "I fondly remember th..." with 💙 02:50:52 Israel Noise - Mexico: Hi, I'm way home ,I'm Israel a synth 02:53:01 lover, field recordist, sound designer and professor for audio and music for film school, also member of AES, and MPSE and I'm in Mexico ${\tt MX}$ 02:53:21 Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to "Hi, I'm way home ,I'..." with ♥ Jess Berg - AES PNW Vice Chair (St. Paul, MN): 02:53:33 Reacted to "News from San Diego...." with Jess Berg - AES PNW Vice Chair (St. Paul, MN): 02:53:37 Reacted to "Paul Scarbrough's fi..." with Elliot Omiya: This meeting also got me to re-establish my 02:55:57 full membership in the AES. 💙 Jess Berg - AES PNW Vice Chair (St. Paul, MN): 02:56:04 Reacted to "This meeting also go..." with 💙 02:57:41 Michael Ashton: Reacted to "This meeting also go..." with 💙 02:58:35 Julie Mullins: Hi, one more thing I meant to mention: I program and host a weekly radio show on a local independent station, WAIF 88.3FM in Cincinnati (also streams online). Tom Stiles: I met Bob Moog in 1987 at the AES Conference on Computer Music, held at the Biltmore Hotel in LA. Met Buchla there and had lunch with Wendy Carlos. O brave new world..... Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to "Hi, one more thing I..." with 🤲

02:59:07 Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to

"I met Bob Moog in 19..." with

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02:59:40
           Israel Noise - Mexico: Reacted to "I met Bob Moog in 19..." with
03:02:25
          Elliot Omiva:
                           Reacted to "I met Bob Moog in 19..." with 💜
03:02:26 Carlos Orellana: Reacted to "Hi, I'm driving righ..." with 🔝
03:02:27
           Juliet Wong:
                           Reacted to "I met Bob Moog in 19..." with 💜
03:04:43
          Elliot Omiya:
                           Reacted to "Hi, one more thing I..." with
03:05:26
           Trent Thompson: Reacted to "I met Bob Moog in 19..." with 💙
                           Reacted to "I met Bob Moog in ..." with 👍
03:05:36
           Julie Mullins:
03:09:00
           Gary Louie PNW Section secretary: I was at an AES convention
once, stumbled into a demo room, and looked at the salesman's name tag:
BOB MOOG- Big Briar
         Israel Noise - Mexico: Reacted to "I was at an AES conv..." with
03:12:38
03:16:19
         Christopher Downs: Reacted to "I met Bob Moog in 19..."
with \(\varphi\)
03:16:44 Christopher Downs: Reacted to "Hi, one more thing I..."
with 👍
03:16:52
          Juliet Wong:
                           Reacted to "I was at an AES conv..." with 💙
                          Reacted to "I was at an AES conv..." with lacktriangle
03:18:15 Elliot Omiya:
03:20:01 Dan Mortensen: The picture in my virtual background is a
Moog Synth in the studio mentioned in this article, around the time of
this party. It may or may not be part of that party and/or belonged to
Wendy Carlos.
03:21:18
         Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"The picture in my vi..." with 👍
03:22:23
          Julie Mullins: Reacted to "The picture in my ..." with 👍
                          Really obscure trivia fact: the original
03:22:26
          Elliot Omiya:
version of this album has Bach sitting down. Later copies had him
standing.
03:22:44
           Jeremy E. Ann Arbor, MI: Reacted to "Really obscure
trivi..." with
03:22:47
          Jeremy E. Ann Arbor, MI: Reacted to "The picture in my
vi..." with
03:23:07 Christopher Downs: Reacted to "Really obscure trivi..."
with 🌲
03:23:28
           Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Really obscure trivi..." with
03:26:14
          Juliet Wong:
                           Reacted to "Really obscure trivi..." with 💙
                          Reacted to "The picture in my vi..." with 👍
03:26:16
           Juliet Wong:
03:32:05
           Donn Rutkoff Oceanside CA near Torrey Pines: What synths did
Keith Emerson play? He was very deep in synth, and was my fav.in the
early 1970s, and still is.
03:33:00
          Elliot Omiya:
                          Kurzweil fan here. 🤎
03:33:33 Jess Berg - AES PNW Vice Chair (St. Paul, MN): Replying
to "What synths did Keit..."
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"Emerson continued to use the Moog Modular on five studio albums dating from 1970 to 1973. By the fifth, Brain Salad Surgery (1973), he had also

adopted the Minimoog and at least two other Moog products; the prototype Apollo polyphonic keyboard and the Lyra monophonic synthesizer."

https://moogfoundation.org/thom-holmes-keith-emerson-an-appreciation-ofhis-moogmusicianship/#:~:text=Emerson%20continued%20to%20use%20the,and%20the%20Ly ra%20monophonic%20synthesizer. 03:33:36 Aureliano "Orly" Pisa: Emerson played mostly large Moog modules and custom stuff 03:34:21 Donn Rutkoff Oceanside CA near Torrey Pines: thanks. that was too easy! 03:34:29 Joe Grisso: E-Mu Systems is fairly conspicuously absent! 03:35:17 Tom Stiles: Fairlight and Synclavier were a whole world in themselves 03:36:42 Elliot Omiya: Kate Bush was a Fairlight aficionado in the 1980's. 03:37:09 Julie Mullins: Transcendent 2000 (kit form?) Maybe late 1970s? 03:37:28 Joe Grisso: E-Mu (Dave Rossum) also helped with the VCO design in the Oberheim SEM, and designed the first digitally scanned polyphonic keyboard - and licensed the technology to Sequential for the Prophet-5! Elliot Omiya: 03:39:00 now you told me something I didn't know, Joy Division using the Transcendent Julie Mullins: Reacted to "now you told me so..." with 👍 03:39:55 03:40:43 Elliot Omiya: I was a big fan of the music of this era (college radio DJ) and was in the business of knowing this kind of stuff. But you can't know everything, especially in the pre-Internet days. 03:40:43 Jeremy E. Ann Arbor, MI: Frank Zappa - Jazz From Hell is mostly Synclavier I believe 03:40:54 Christopher Downs: Reacted to "Frank Zappa - Jazz F..." with 👍 03:41:12 Julie Mullins: Laurie Anderson also worked with a Synclavier I think? 03:41:24 Julie Mullins: Reacted to "I was a big fan of..." with 👍 03:41:50 Christopher Downs: Reacted to "Laurie Anderson also..." with 👍 03:42:22 Joe Grisso: Funny aside - Wendy Carlos nicknamed her Synergy keyboards the "LSI Philharmonic" 03:43:20 Elliot Omiya: you all are teaching me all this stuff I didn't know. 🤎 Donn Rutkoff Oceanside CA near Torrey Pines: I don't get it. 03:43:21 I guess I know too many acronyms 03:44:14 Dan Mortensen: you all are teaching me all this stuff I didn't know. 💚 03:44:25 Dan Mortensen: That's kind of the point of this 03:44:26 Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to "you all are teaching..." with 💙 03:44:44 Donn Rutkoff Oceanside CA near Torrey Pines: What does LSI stand for?

Reacted to "Laurie Anderson also..." with

Reacted to "Frank Zappa - Jazz F..." with 👍

03:44:45

03:44:47

Juliet Wong:

Juliet Wong:

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03:45:03
          Juliet Wong: Reacted to "I was a big fan of t..." with 👍
                          Reacted to "now you told me some..." with 👍
03:45:06
          Juliet Wong:
03:45:51
         Dan Mortensen: Replying to "That's kind of the p..."
gratifying to know it's working.
03:46:04
         Wayne Edwards: LSI = "Large Scale Integration" Meaning
there's more transistors than on a small IC like an op-amp.
03:46:24 Israel Noise - Mexico: Alesis andromeda is from the 90s?
03:46:47
          Jess Berg - AES PNW Vice Chair (St. Paul, MN):
                                                           Reacted to
"gratifying to know i..." with 🤎
03:46:59
         Joe Grisso: Was Studio Electronics building their Minimoog
clones in the 90s?
03:47:15
          Elliot Omiya:
                          Reacted to "gratifying to know i..." with 💚
          Jeremy E. Ann Arbor, MI: I remember seeing Joe Zawinul
03:47:47
play a prophecy and really loving the sounds he got.
          Jess Berg - AES PNW Vice Chair (St. Paul, MN):
"I remember seeing Jo..." with 👍
03:50:57 Christopher Puidokas: Korg Microkorg should be mentioned in
terms of early-2000 influence
03:51:19 Trent Thompson: Reacted to "Korg Microkorg shoul..." with 👍
03:51:44
          Jeremy E. Ann Arbor, MI:
                                    Reacted to "Korg Microkorg
shoul..." with
03:52:29
         Joe Grisso: Keith Barr also wrote a book called "ASIC Design
In The Silicon Sandbox" - for anyone looking to design their own mixed-
signal ICs or would love to learn about the process.
03:52:58
                           Reacted to "Keith Barr also wrot..." with 👍
           Juliet Wong:
03:53:32
           Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Keith Barr also wrot..." with
03:53:32
         Carlos Orellana: Reacted to "Keith Barr also wrot..." with 👍
         Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
03:54:23
"Korg Microkorg shoul..." with
03:55:31 Joe Grisso: Access Music? The Virus?
03:55:40
         Donn Rutkoff Oceanside CA near Torrey Pines: Can any of these
mimic the acoustics of an organ in a church? The decay and reverb in a
particular church?
03:56:07
          Joe Grisso: Novation V1 Products?
03:57:21
           Joe Grisso: OH! Waldorf! Specifically stuff like the Pulse,
other hybrid architectures like that.
03:58:23
         Israel Noise - Mexico: Yamaha an1x
          Christopher Puidokas: Interested in hearing more about the
04:05:18
resurgence of synth building blocks on ICs (clones of Curtis, etc.) with
companies like ALFA and SSI, etc. and how that re-predicts a wave of
inexpensive analog synths going forward
04:06:23
         Dan Mortensen: Replying to "Interested in hearin..."
That might be a better question for the panel, when we get to that.
04:06:35 Christopher Puidokas: Reacted to "That might be a bett..."
with 👍
04:09:49 Julie Mullins: Replying to "now you told me so..."
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That's how I first learned about the Transcendent-in Stephen Morris's
book!
04:11:11 Israel Noise - Mexico: Minibrutes and matrixbrute?
04:11:21 Elliot Omiya: analog nostalgia seems to be persistent in
waves...
04:11:21
          Jess Berg - AES PNW Vice Chair (St. Paul, MN):
for later... Guy Fletcher talks keyboards with Dire Straits:
https://www.muzines.co.uk/articles/keyboards-with-dire-straits/1651
04:11:26
         Joe Grisso: OOH! Arturia! Yes!
04:12:45
          Chris Myring:
                           Dave Rossum UK Section Talk
2022https://youtu.be/WSPFHdllWoM?si=1dKGX a8TA3SwuR9Talks about the tie-
in with Sequential.
04:15:39
          Wayne Edwards: Analog joy - does analog have less latency
and less timing variability? makes it feel more "there"?
04:16:22 Dan Mortensen: Reminder that we're going to let the
panelists go where they want, and ask questions at the end.
         Aureliano "Orly" Pisa: Latency is a good way to put it
04:16:42
04:18:21
          Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Reminder that we're ... " with
04:23:34 Christopher Puidokas: Hi Trent - for sure!
04:24:08 Israel Noise - Mexico: Cheaper behringer analogue synthesizers
let more people have access to a hardware synth
          Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
04:24:31
"Cheaper behringer an..." with 👍
        Aureliano "Orly" Pisa: Absolutely, and worth discussing.
04:24:32
04:24:38
           Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Hi Trent - for sure!" with ♥
04:24:41
           Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Latency is a good wa..." with 👍
04:24:47 Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Absolutely, and wort..." with
04:25:22 Aureliano "Orly" Pisa: That they are making a few originals,
but mostly doing a revisit of legendary visit at an affordable price
04:25:57 Elliot Omiya:
                          screens are disassociated from the physical
experience
04:26:58 Elliot Omiya: said by a dyed in the wool software guy ...
04:28:26 Aureliano "Orly" Pisa: Well put Elliot.
04:29:28
          Julie Mullins:
                          Reacted to "screens are disass..." with 👍
04:29:34 Julie Mullins: Reacted to "said by a dyed in ..." with 😂
                                     Love the grandmother and
04:30:51
          Jeremy E. Ann Arbor, MI:
matriarch!
04:31:07
         Israel Noise - Mexico: Reacted to "Love the grandmother..." with
04:33:38 Carlos Orellana: People might make more modular systems so
there may not be a "powerhouse" analog synth anymore
04:35:47 Chris Myring: The Packrat from Keyboard Magazine
2005https://www.umop.com/art/packrat03.jpqNote: 2005 price for the 2600,
now USD 10,000?
04:36:20
         Christopher Puidokas: I think the concept of having limits is
important to being creative, especially in current times
04:36:34 Jeremy E. Ann Arbor, MI: Reacted to "The Packrat from
Key..." with <sup>⊕</sup>
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04:36:48
           Jeremy E. Ann Arbor, MI: Reacted to "I think the concept
..." with 💗
04:36:57
          Joe Grisso: Replying to "The Packrat from Key..."
Korg is actually blowing out their remaining ARP 2600 Mini's on Reverb
for $999.
04:38:02
                            Reacted to "I think the concept ..." with 💙
           Juliet Wong:
                           Replying to "The Packrat from Key..."
04:38:15
           Chris Myring:
The high price is for an original seventies ARP.
04:38:38
           Juliet Wong:
                           Reacted to "The Packrat from Key..." with 😜
04:38:54
           Joe Grisso: I'm interested in seeing if anyone explores using
(abusing) NPUs for DSP pipelines...
04:38:58
           Juliet Wong:
                          Reacted to "Love the grandmother..." with 💙
04:39:10
         Elliot Omiya: even in the age of AI and prompts creating
everything, there is still a need and room for original creativity.
04:39:36
          Julie Mullins:
                            Reacted to "even in the age of ... " with
04:39:40
         Donn Rutkoff Oceanside CA near Torrey Pines: Tuning the
acoustics in a living room is a trick yet to be conquered
04:39:53
          Jess Berg - AES PNW Vice Chair (St. Paul, MN):
                                                            Reacted to
"even in the age of A..." with 💚
                            ok, I need an AI for help with that!
04:39:57 Elliot Omiva:
04:40:21
           Tom Stiles: In the late 80s early 90s there was a big focus
(including from Bob Moog) on creativity through non-keyboard controller
devices
04:41:08 Carlos Orellana: Reacted to "Tuning the acoustics..." with 👍
04:41:59 Tom Stiles: Thanks for a good rollicking ride through synth
history, mystery and the unknown future! I have to modulate to the next
thing.....
04:43:18
          Jess Berg - AES PNW Vice Chair (St. Paul, MN):
                                                             Reacted to
"Thanks for a good ro..." with
04:44:09
          Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Thanks for a good ro..." with 💚
04:44:10 Joe Grisso: Hey, we can stop any time we want!
04:44:18
           Jeremy E. Ann Arbor, MI: Reacted to "Hey, we can stop
anv..." with
04:44:47
          Julie Mullins: Re: the panel's analog/digital topic when
they began their chat: Can you speak a bit about hybrid (analog/digital)
synth designs? Is that still a thing for the synth world at all? Could
there be a sort of "best of both worlds"?
04:44:55
           Juliet Wong:
                           Reacted to "even in the age of A..." with 💙
04:45:04
           Jayney Wallick: Reacted to "Thanks for a good ro..." with 👍
04:45:21
           Juliet Wong:
                           Reacted to "Thanks for a good ro..." with 💙
04:51:31
           Julie Mullins:
                           Like maybe a digital filter at the end of
the analog path? Thanks!
04:53:42
         Israel Noise - Mexico: Or resampling analog sounds or granular
with analog oscillators
04:54:06
          Carlos Orellana: Is a 555 Timer considered an analog
oscillator?
         Aureliano "Orly" Pisa: Yes, like this which I think is really
04:54:15
rad... and pricey
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https://www.makenoisemusic.com/synthesizers-and-controllers/tape-
microsound-music-machine/
04:54:39
          Christopher Puidokas: It's that they used for the EDp wasp
04:55:28 Carlos Orellana: So some NAND Gates triggered by RC is also
analog?
          Carlos Orellana: Hah... that's why I think it's curious
04:56:28
04:56:49 Aureliano "Orly" Pisa: Absolutely, and this is how analog
envelopes are sometimes shaped. analog drum machines for example
04:57:15 Carlos Orellana: Reacted to "Absolutely, and this..." with 👍
04:57:42
         Matthew SUtton: This is fabulous, sorry I have to go now.
Thanks for a great meeting
04:57:43 Carlos Orellana: Garbage in, garbage out
04:58:40 Jess Berg - AES PNW Vice Chair (St. Paul, MN):
                                                            Thanks
everyone for being here!
04:59:11 Ronaldo Luis Ayala:
                               I have to leave but I thank all of you
for making this happen and for letting me listen in!
04:59:22 Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"I have to leave but ... " with
04:59:32 Jess Berg - AES PNW Vice Chair (St. Paul, MN):
                                                            Anytime
Ronaldo!
04:59:57 Donn Rutkoff Oceanside CA near Torrey Pines: adios
05:00:10 Jess Berg - AES PNW Vice Chair (St. Paul, MN):
                                                         Reacted to
"adios" with 🤏
05:00:36 Ara Kazanjian:
                          Is that all he's done? ;) Impressive guy!
05:00:46 Christopher Puidokas: Great talk!
05:00:57 Chris Myring:
                           Breath
controllers:https://www.matrixsynth.com/search/label/RealtonI used to
have to look after a Variophon. And not forgetting the DX-7 Breath
Controller, supplied with the instrument.
05:00:59
          Jeremy E. Ann Arbor, MI:
                                     It was great!
          Ara Kazanjian: Great zoom with great guys!
05:01:06
          Jess Berg - AES PNW Vice Chair (St. Paul, MN):
05:01:12
                                                            Reacted to
"Great zoom with grea..." with 🙌
          Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
05:01:16
"It was great!" with 💙
          Jess Berg - AES PNW Vice Chair (St. Paul, MN):
05:01:21
                                                          Reacted to
"Breath controllers:
..." with
05:01:25    Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Great talk!" with 🤎
05:01:30
         Jess Berg - AES PNW Vice Chair (St. Paul, MN):
                                                          Reacted to
"Is that all he's don..." with \heartsuit
05:02:06 Ara Kazanjian:
                           Trent is a beast!
05:02:26 Jess Berg - AES PNW Vice Chair (St. Paul, MN):
                                                           Reacted to
"Trent is a beast!" with
         Michael Ashton: Reacted to "Great zoom with grea..." with 💙
05:02:54
05:03:05 Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Great zoom with grea..." with ♥
05:05:03 Carlos Orellana: Love the 160
05:06:30 Jayney Wallick: I wonder if part of that too is what you're
used to using, like maybe you have a preference for using what you've
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always used, or similar because you already know how to work, vs. digital
where you often have to relearn things?
05:06:38
           Ara Kazanjian:
                           Is analog generational, or does a younger
demographic find it appealing too?
05:07:24
           Tyrel Sabin:
                           I think access is a big part of the appeal
of digital
05:08:14 Carlos Orellana: A lot lighter too
05:10:29 Ara Kazanjian: Excellent point
05:12:05 Juliet Wong: I think analogue will always hold the
respect of coming before digital and most of digital still emulating
analogue. From what I can tell with the community college crowd, Gen X
and older hugs analogue like a redwood tree still (I went to UC Santa
Cruz, apologies if that doesn't translate well (). Younger see it like a
cool toy among toys
05:12:30
           Julie Mullins:
                          Some kids and younger folks are buying
records who don't own record players/turntables.
05:13:02 Ara Kazanjian: True that!
05:13:56
          Julie Mullins: Reportedly they want to support the artists
more directly.
05:13:58
          Tyrel Sabin:
                           I think streaming got so big that kids are
liking to hold something physical
                           Reacted to "I think streaming go..." with 👍
05:14:19
         Juliet Wong:
05:14:23 Juliet Wong:
                           Reacted to "Reportedly they want ... " with
         Ara Kazanjian:
05:14:27
                           Love that
05:14:34 Israel Noise - Mexico: Reacted to "Reportedly they want..." with
05:15:39
         Carlos Orellana: I have friends in bands that put out
cassette tapes (punks here in LA)
          Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
05:15:57
"Reportedly they want..." with 💚
          Jess Berg - AES PNW Vice Chair (St. Paul, MN):
05:16:01
                                                             Reacted to
"I think streaming go..." with 👍
05:16:06
           Juliet Wong:
                           Reacted to "I have friends in ba..." with 👍
           Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
05:16:08
"I have friends in ba... with
05:16:33 Julie Mullins: Replying to "I have friends in ..."
That too. I see that around here when I go to live music.
                           Reacted to "That too. I see that ... " with
05:16:48 Juliet Wong:
05:23:51 Jayney Wallick: Reacted to "That too. I see that..." with 👍
          Carlos Orellana: Reacted to "That too. I see that..." with 👍
05:27:41
05:28:23
         Ara Kazanjian:
                          It's somewhat controversial, but companies
are bringing people back into offices too.
05:28:33
          Ara Kazanjian: Collaboration!
05:31:23
           Jayney Wallick: There simply is no substitute for good
acoustics.
05:32:29
           Tyrel Sabin:
                           I'm curious if Trent has interacted with the
Slate Digital ML-1 mic modeling stuff.
05:39:19 Joe Grisso: There was an interesting technique UA did with
their preamps a while back where they would actually have a programmable
input impedance so loading a preamp model plugin would set the impedance
to more closely match the way the modeled preamp behaves.
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Joe Grisso: It would be interesting to see the impact of
something like that in the preamp and biasing circuitry in the mic
itself, and have the ability to design a capsule to adjust to those
differences.
05:40:35
          Jeremy E. Ann Arbor, MI:
                                     Townsend - now owned by UAD uses
a front and rear capsule to improve the off axis response of the models
         Jess Berg - AES PNW Vice Chair (St. Paul, MN):
beyond for tonight! I have an early day, going to call it a night. Hope
to see you again next time 🙂
05:47:18
          Tyrel Sabin:
                          Nice to meet you Jess!
05:47:19
           Julie Mullins: I need to hop off now as it's late here.
This was excellent, very informative-and a nice group! Thanks to the
expert panelists and to AES PNW for hosting this meeting!
05:47:23
         Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"Nice to meet you Jes..." with
          Jess Berg - AES PNW Vice Chair (St. Paul, MN): Reacted to
"I need to hop off no..." with 💚
05:47:36
           Julie Mullins:
                           Reacted to "Thanks beyond for ... " with
05:48:24
                           Reacted to "Thanks beyond for to..." with
          Juliet Wong:
05:48:25 Carlos Orellana: Reacted to "I need to hop off no..." with 💙
05:48:39 Juliet Wong:
                          Reacted to "I need to hop off no..." with 💜
                          Replying to "Thanks beyond for to ... "
05:48:59 Juliet Wong:
Take care, Jess!
05:50:19
          Carlos Orellana: Reacted to "Thanks beyond for to..." with 👍
05:53:54 Jeremy E. Ann Arbor, MI: Thank you so much, really enjoyed
hearing you all talk!
                          Many thanks to Michael, Trent and Orly. Also
05:54:05 Chris Myring:
to Dan and PNW Section for hosting.
05:54:08
          Tyrel Sabin:
                           Thank you guys for your time and answering
the questions
05:54:14
         Carlos Orellana: Thanks everyone!
05:54:27
           Juliet Wong:
                           Thank you so much for this!!
05:55:12    Joe Grisso: This was an awesome presentation and panel. Thanks
@Michael Ashton and @Trent Thompson for being on the panel, and pass on
my thanks to Orly!
05:56:03
         Tyrel Sabin: Good night!
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