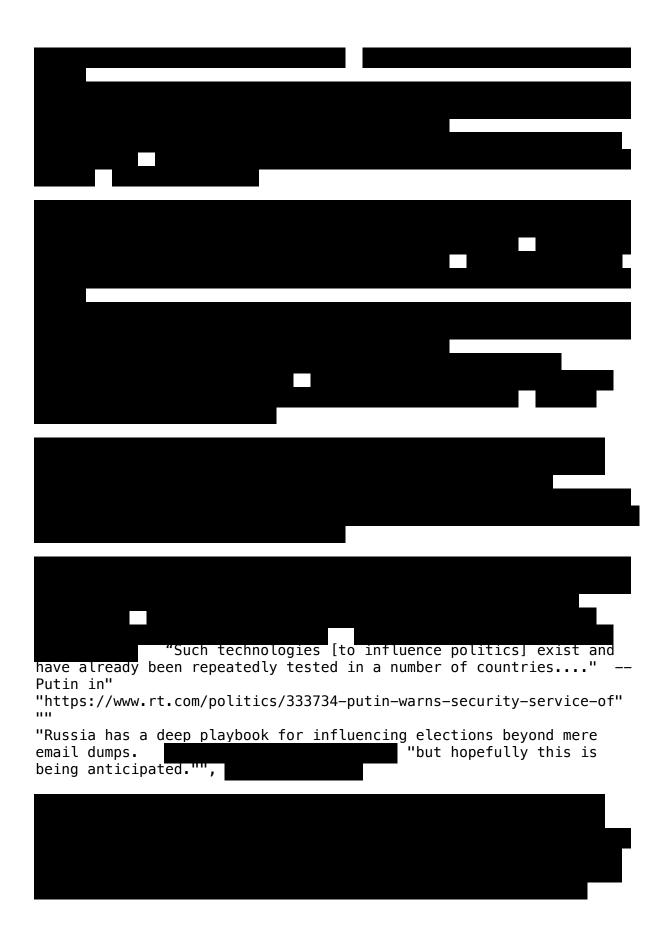


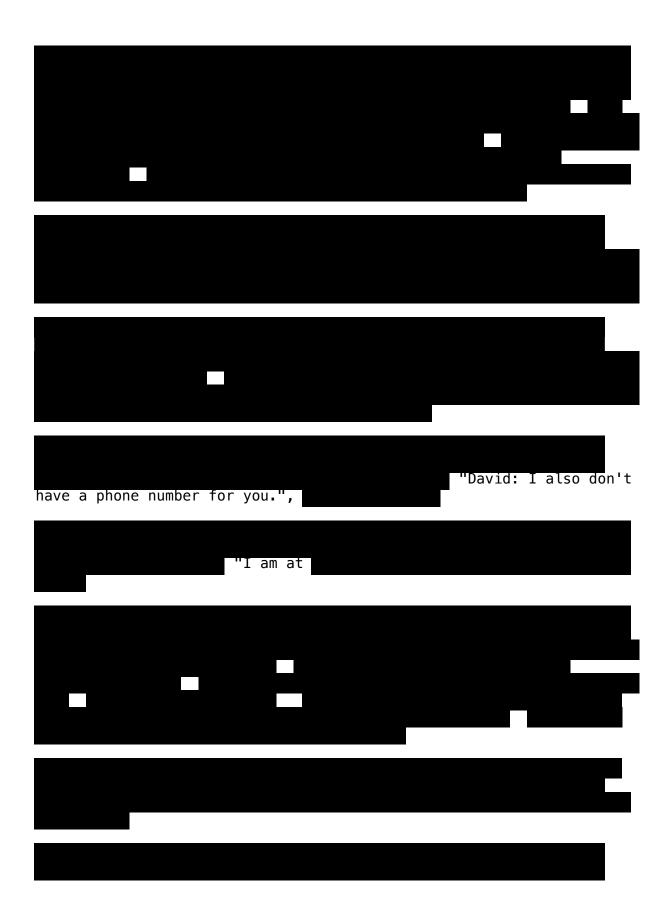






```
I'd expect our report to focus only on facts,
and of course stay out of any press.
                      "But expect hearings on the hill some day",
                                               "Definitely write the
report.",
                                                "That would be
exciting",
                     "We will; it will be factual, detailed and
beyond question.
                                                So we're happy to
help",
                                                "Can't wait to read
it.",
```







```
"Thanks",
                                                        "Np",
"Mano, please overnight a CD and/or printed version of the report to Tejas at
DARPA",
                                                      "The report will be
ready late tonight.
"There's a delta shuttle service for documents; same day, but it would not be before 9am delivery",
```

```
"By what hour would local delivery in DC have to occur on thursday?",
                                              "I do not know. I
will try to find out and let you know (won't be until tomorrow).",
                                              "It's OK, you can
FedEx it tomorrow morning for overnight",
                                              "You will get the
draft electronically in your personal email boxes by 2-3am. You will
get a hard copy asap. This is the first thing I will do when I wake
up. Need an address",
                                           "I will get you
specific mailing instructions by tomorrow morning. You should be able
to follow the BAA guidance for sending mail but address it to Tejas
Patel instead.",
                                               "I will confirm that
in the morning.",
                     "We'll have something soon. So many typos,
however.",
                                        "It happens. If you
want to send non PDF (editable) version I'll start fixing grammar when
I get it.",
                                              "I trust people will
not mind given the rest of the analysis.",
```

```
"three files to follow, all json. manos will send a 4th, the pdf",
                                              "Still 2-3am
timetable?",
                                             "Encrypting now",
```

```
"Draft should be in
you email box.",
                                                        "Just decrypted.
About to start reading. Thanks!",
                                                   ejas just sent an
update. A few typos fixed and a couple of figure/table confusion clarified. You might want to move to the newer version. It would make
more sense",
                                                         "I will be checking
out in the next 10-15 minutes",
                                                        "Just read draft 1.
Cool work.",
                                                         "Thanks",
                                                         "Goodnight Manos.",
                                                         "Cheers",
```

"Need the address guys", "You can mail it to DARPA, 675 N Randolph St, Arlington, VA 22203 with ATTN: Tejas Patel and it should get to me. You can also mark the material Company Sensitive (or something along those lines). The mail room will open the package just to make sure there is nothing unsafe then deliver it to me.", 'Ha! I was typing that up as you messaged!", "Just the paper Tejas, nothing more.", "Works for me.", "Sent. Tomorrow 10.30 will be in DARPA", "Tracking number",

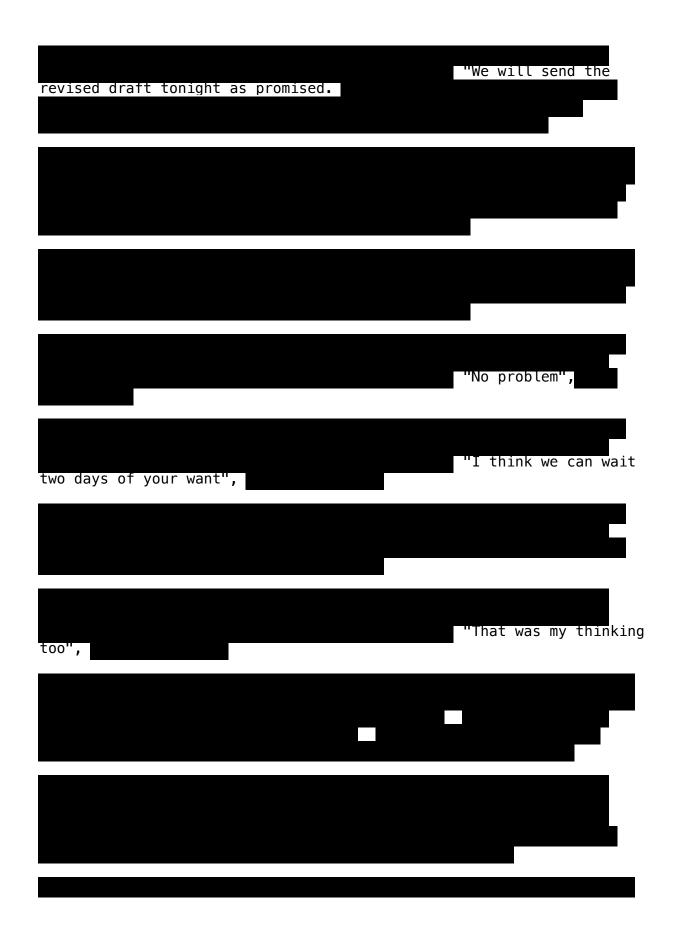
```
"Excellent. Will
confirm receipt tomorrow.",
                                                "Great analysis",
                                                "A few comments/
questions:",
                                                "Mille merci",
                                                "Sure",
                                              "Yes, I know. Show
that late last night. Will be fixed",
```











```
"Ack",
                                                  sorry for delayed
radiance response, just got to Greece)"
                                               "I have some
grammatical comments about report. I will send them in channel or via
email using same password as report when I get home and to a real
compute device.",
                                               "Please send them
over and I will take care of them.",
                                               "New malware. Neat.
http://arstechnica.com/security/2016/08/researchers-crack-open-
unusually-advanced-malware-that-hid-for-5-years",
```



an updated versi you want us to u	on by noon. A	ngele, you	came up w	"Tejas, you vith a bette	will have r title
·m				"ACK",	
				"Angele? Te	jas?" ,
are ready. Once over",	we change the	title, I v		"Tejas the the final v	
draft. Will not look.",	be until 1400	EDT that 1		"I got your ypt it and	
				"Cool",	

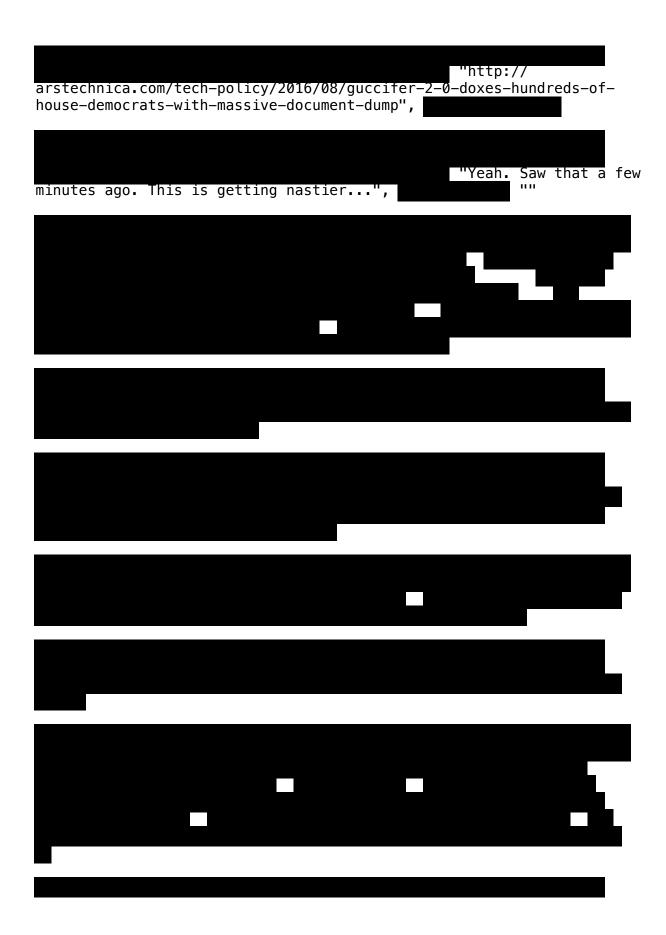


				"Fair sta	atement.",
raising the bar work you've done				ts and the U	
nigh bar for the report) to refle capabilities/cer	ct both o <u>ur</u>	and I want //my high e	our "state expectation	"But I ha ements" (suc ns and the c	ch as this
				"Yes, mak	es sense",
itself need not	change. But	the title	e matters.'		he report

```
"Before -> because",
                                                             "Approved?",
"I don't need to approve, nor do you need to listen to me. At this point, I can only suggest things. This looks good.:)
                                                           "You are wise, and it
will not be wise to not pick your brain. :)
                                                           "Tejas will send out
a new update",
```

latest report. Will start reading in an hour.", "There is nothing new in then report beyond the title and the typos, lejas", "I thought David had mentioned adding some new information? Perhaps that made yesterday's draft?", "I didn't see "I didn't see "ACK", "MACK", "MACK", "http:// "http:// "http:// idUSKCN10E09H", "For FBI to give a active for many months before "	
In then report beyond the title and the typos, Tejas", "I thought David had mentioned adding some new information? Perhaps that made yesterday's draft?", "I didn't see anything new", "ACK", "http:// www.reuters.com/article/us-usa-cyber-democrats-reconstruct-idUSKCN10E09H", "For FBI to give a heads up to the DNC in fall 2015, this means that the attack was	
mentioned adding some new information? Perhaps that made yesterday's draft?", "I didn't see anything new", "ACK", "http:// www.reuters.com/article/us-usa-cyber-democrats-reconstruct- idUSKCN10E09H", "For FBI to give a heads up to the DNC in fall 2015, this means that the attack was	
anything new", "ACK", "http:// www.reuters.com/article/us-usa-cyber-democrats-reconstruct- idUSKCN10E09H", "For FBI to give a heads up to the DNC in fall 2015, this means that the attack was	mentioned adding some new information? Perhaps that made yesterday's
"http:// www.reuters.com/article/us-usa-cyber-democrats-reconstruct- idUSKCN10E09H", "For FBI to give a heads up to the DNC in fall 2015, this means that the attack was	
www.reuters.com/article/us-usa-cyber-democrats-reconstruct-idUSKCN10E09H", "For FBI to give a heads up to the DNC in fall 2015, this means that the attack was	"ACK",
heads up to the DNC in fall 2015, this means that the attack was	www.reuters.com/ <u>article/us-usa-c</u> yber-democrats-reconstruct-
heads up to the DNC in fall 2015, this means that the attack was	
active for many months before: ,	

```
, "I have only half
read the article (still reading).
                                                 "Yes",
                                               "It could also just
"It could also just be misinformation. FBI isn't going to respond. And it saves some face
for DNC?",
                                               "Publicly respond at
least.", "
                                                 "Gotcha",
```



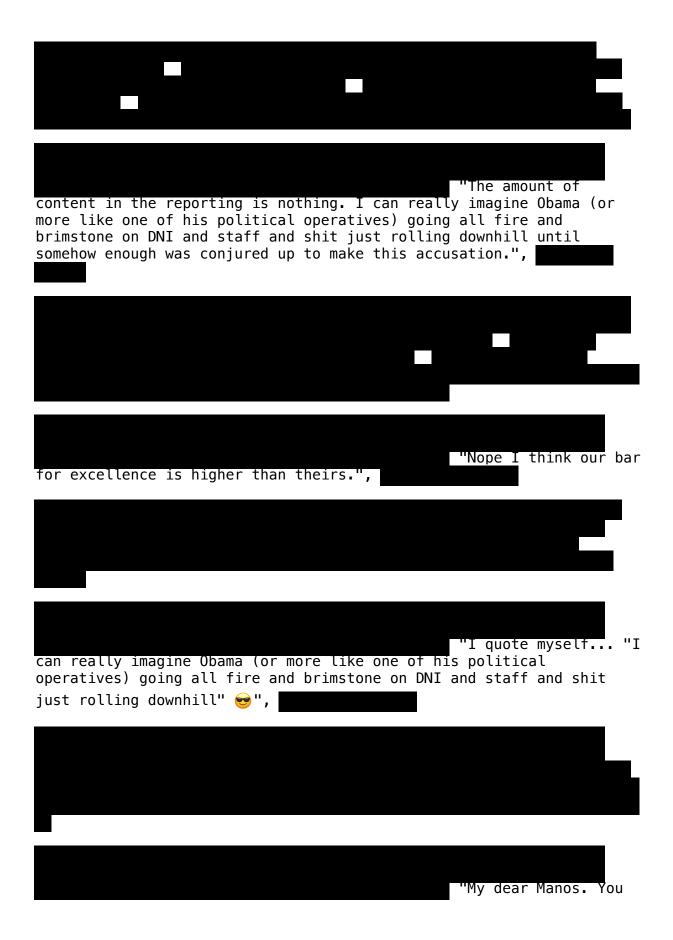
```
"They are clowns.
They would do everything for marketing and press.",
                     "FYI, this is obviously a poorly executed pr
attempt; good skepticism by the reporter."
"https://www.youtube.com/watch?v=Kp7FkLBRpKg ""Julian Assange on"
"seth Rich""
"But it does raise the question of coordination W/ the DC leakers."",
chance to digest any of the information in the links you sent. So I
can't provide insight into this. I am traveling this weekend so
limited connectivity except for iPhone.",
                                                 "Safe travels.:)",
```

```
"Thanks. I will try
to read the link tonight before bed.",
                                               ust because :)
                                           , "I hate you",
                                             "My girlfriend said
"oh that's beautiful". I said "asshole". Ha",
                                              "Hahahaha",
                                             "Well, whatever :P",
```

```
"Two days before the
deadline, why haven't you already submitted the papers?", "0", "0",
                                                 " 🍅 " ,
                                                "Because I am too
nice of a guy and I allow my students to be late.",
                                                  "And: what prevents
you from submitting while you are on the beach?",
                                                  "Done arguing with
you. Going back to my intro. Enjoy Greece alani!"
                                                  "Good luck. I hope
you get some down time before semester starts."
                                                 "http://
www.internetsociety.org/events/ndss-symposium/ndss-symposium-2017/
ndss-2017-call-papers",
```

```
"washington post reports the DNI accused russia
of hacking the dnc, etc.",
                                                       "Interesting",
                                                      "As do I... This is
official attribution. Not just some low level PR person mouthing
off?",
                                                       "Yup",
"https://www.washingtonpost.com/world/national-security/us-government-officially-accuses-russia-of-hacking-campaign-
to-influence-elections/
2016/10/07/4e0b9654-8cbf-11e6-875e-2c1bfe943b66_story.html",
```

```
interesting... Yes please post. Would like to read. Also great
timing... Right before a 3 day Government weekend 😀 ",
                    "And a hurricane and the Cubs winning...",
                                             "I should not be
driving and texting",
                                             "No. Please don't.
I'd like to see what else you come up with over the next 4.5 years
₩.",
                                       "Wow. You beat the
WSJ in telling me the news BTW. And that's almost a gold standard for
news for me. Heh.",
                                             "http://
online.wsj.com/news/articles/
SB11433782839536353342904582360370303963452",
                                            , "U.S. intelligence
agencies officia<u>lly blamed Russi</u>a for hacks at political organizations
and elsewhere",
```



```
have a lot to learn once you are cleared e",
                                                "Indeed I have Sir.",
                                                "Exactly",
                     "http://covertcontact [dot] com/2016/10/10/
russia-trump-and-hillary-episode-62/"
```

"I listened to it earlier today. So it occurred to me that once Trump and Clinton became the presumptive nominees they both receive regular classified briefings. I can't remember if they are the Presidential Daily Briefings or something else. Either way, can you imagine being the career spy who gets to inform an openly pro Putin Trump that Putin is messing with the election in his favor? Haha! Surreal!", "I would not trust him with my wife's grocery list, so yes very surreal. "Heh. Trust is relative. Maybe he will accidentally say something he shouldn't before becoming President and having original classification authority... Then that would get interesting \(\exists'', \) "The PDR might fall to whoever gets this Kremlin daily briefing already. Amazing if true." "http://www.newsweek.com/vladimir-putin-sidney-blumenthal-hillaryclinton-donald-trump-benghazi-sputnik-508635"", "Even better thought. What if Trump became pro Putin AFTER getting classified briefings?! It would be like a real life House of Cards!", "@Manos, @David: I'm going to be in Atlanta and have free time on Monday. If either of you are around I would love to meet up and put faces to virtual identities and check out your offices. Let me know and I'll adjust my travel details accordingly.",

```
"What general part of town, and times, or what
time are you in the airport? We're both in midtown from 9 to 5 times.
I'm assuming this is Monday the 17th. Monday the 24th is booked, I
believe",
                                             "Yes. Monday the
17th. Anytime works for me. Staying near the airport but I am mobile.
Can come by early afternoon or lunch time?",
                        I'd be free; let's hear from Manos. If you
come to GT you can get a complimentary parking ticket, stale sandwich
and cold coffee.",
                                                  "Monday morning work
for me yes. My office is here;"
"Room 3364", "Klaus Advanced Computing Building"
"Georgia Institute of Technology"
"266 Ferst Drive", "Atlanta", "GA 30332-0765"
"Now", "if you do not have dinner plans", "I would suggest you come late afternoon (~15.30) spend some time in the lab and then we will
take you out for dinner."
"Whatever you like."",
                                                  "Alright. Late
afternoon is better for me. I'll see you at 1530 on Monday at Klaust
Building.",
                                                  "And dinner after?",
                                                  "Yeah that works for
me. Better than eating alone 

I forewarn you I am a vegetarian
(makes Angelos roll his eyes everytime). Ha.",
                                                  "Cool, :) no problem.
Dave, you will join us for dinner?",
```

```
"*roll eyes*",
                                                 "btw, I'll be at the
GaTech hotel and GTRI, Sunday evening to Wednesday noon", "
                                                  "You should join us",
, "@Angelos you think you will be in ATL Sunday night... I asked the front office which
flight you were on and booked it myself... And you know my luck with
flights being on time 69",
                                                  "Eep! I meant",
                      "https://twitter.com/ChristopherJM/status/
786577719404429313''
"It's sh*t like this", "Putin. It's sh*t like this."",
                                                "The timestamps
aren't surprising. I assumed WL coordinated with media to maximize
effect?",
                "Yes; at best is not shows there's a shared set
```

```
of stolen docs, clearly, and the timing suggests coordination.",
                                                "http://
www.nbcnews.com/news/us-news/cia-prepping-possible-cyber-strike-
against-russia-n666636?cid=sm_tw",
                                                 "Yeah, we'll see",
                                                 ""Hey guys, here we
come!!!" .... garbage",
                                                "It's dick swinging.
Nothing is going to happen. If we really wanted to send a message the
Administration would find a way to nix our real property laws and
repossess property owned by Russian cronies.",
                                                "Covert nonsense
doesn't work in this case. It needs to be in your face and it needs to
embarrass Putin. Act like a Trump!",
                                                 'Ha!",
                                                 "Act like a true
groper in chief! :)",
                                                 "Exactly! It would
be so much fun to watch that!",
                                                 "I've been told this
```

place is epic Thai food but you have to make reservations. Any thoughts?", "http:// www.poorcalvins.com/mobile/#home/index", "I'm good :) "Guys, feeling a bit under the weather today. Can I get a rain check? Hopefully I will be better tomorrow, so we can meet at my office. Sorry.", "No worries. Until tomorrow.", "Tejas, I will have my team be in the lab by 16.00, so you can meet. They will lay down the projects they are working on so you can get a sense of what is going on in my team." "I did the same for Mike last week." "I will be available to meet with you anytime after 15.00."" "Sounds good to me. I talked to Mike Farrell yesterday and he has a later conflict so I'm going to see him at 1430. So that works out. I can catch you right after.", "Cool.", "http://

```
www.chicagotribune.com/news/nationworld/politics/ct-trump-
intelligence-briefing-russia-20161014-story.html",
                                               "More amusement.",
                                               "I will be offline
between 12.15 and 13.30. If you need anything, please leave a message
on the phone.",
                                               "No worries. I'll
probably be grabbing food too.",
                                                "I've has enough of
this workshop",
                                                 "Come to the office",
                                                 "You need
directions?",
                                                 'Yes",
                                                "I'm walking to the
nearest Starbucks",
```

```
"http://tinyurl.com/
jt2sakf",
                                                "I'm on 14 street",
                                               "Cafe Intermezzo.
Show up. The food is epic and the coffee is too!",
                                                "I'll get coffee and
then go to Manos",
                                              "Me and the team are
waiting for you guys anytime you want",
                     "I'm in the new lab. We have bad coffee if
you'd like a change of pace.",
"#false_advertisement",
                                               "Heh",
                                               "Lol",
```

```
"In the building",
                                                 '3364",
                                                "Where is parking?",
                                               "Visitor parking by
the klaus building. Exact location is ferst dr and state st.",
                                                 "Thabks",
                                               "https://
www.google.com/url?sa=t&rct=j&source=web&q=&url=http://
www.dailymail.co.uk/news/article-3858476/Game-Former-NSA-CIA-boss-
says-Russian-hack-Democratic-emails-honorable-state-espionage-s-
confirmed-campaign-chair-duped-phishing-
website.html&usg=AFQjCNEygns5NehnECYvC83Q0EerQ14IFQ",
```



```
"NBC got it, likely through a friend since it was from a field reporter."
"https://twitter.com/alivitali/status/793253775087702016"
                                                                                "Cool, thanks",
```



```
"Of course",
                                                  "Interesting",
"Here's a Bloomberg piece on Russian tech, which covers Group—IB (a GRU"
"front", "but that's barely mentioned in the piece). They discuss
Group-IB's hacker hunting project", "with 100K+ profiles drawn from
darknets", "using AI."
"https://www.bloomberg.com/features/2016-hello-world-russia"
"Start watching at the 34:30 time mark."",
```

""President Obama has ordered American intelligence agencies to produce a full report on Russian efforts to influence the 2016 presidential election, his homeland security adviser said on Friday. He also directed them to develop a list of "lessons learned" from the broad campaign the United States has accused Russia of carrying out to steal emails, publish their contents and probe the vote-counting system."" "http://www.nytimes DOT com/2016/12/09/us/obama-russia-electionhack.html"", "https:// www.washingtonpost.com/amphtml/world/national-security/obama-ordersreview-of-russian-hacking-during-presidential-campaign/ 2016/12/09/31d6b300-be2a-11e6-94ac-3d324840106c_story.html", "How wired is this?", 'Weird", "You are a popular guy...'

it is not working.",	"I try not to be
	"Try harder 😂",
www.news.gatech.edu/2016/11/29/17-million-contra	"http:// act-will-help-
the first draft of that press release. It would just say: " we are open for hacking"",	"You should have seen be better for GT to
university. You have been open for hacking for a the powers that be know this already. Regardless release!",	
draft would have been an equivalent of a huge "p Now we are just fuckable.",	"True. The first Dlease fuck us" sign.
<pre>criminal. For some reason I just find this so www.bleepingcomputer.com/news/security/new-schem ransomware-get-chance-of-free-decryption-key",</pre>	
	"Lol",

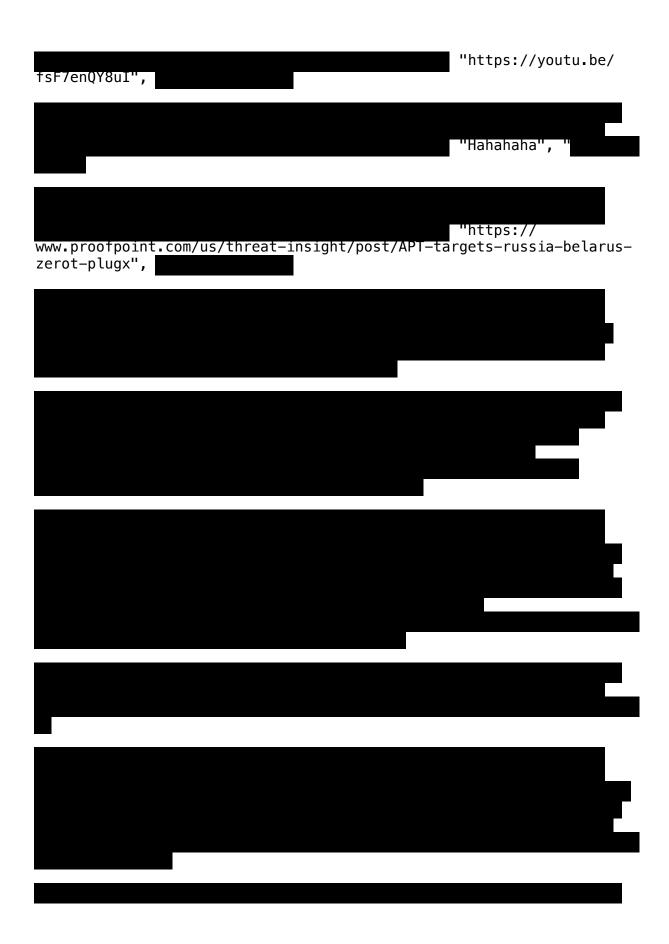
```
"I mean agree or
disagree with the CIA you have to admit, when it comes to meddling in
elections the CIA has way more experience than the FBI 😂.",
                                               "http://
www.chicagotribune.com/news/nationworld/politics/ct-russian-election-
tampering-cia-fbi-20161210-story.html",
                                               "From Sunday NYT
article on CIA and T.'a business. There is a love between FBI and
other agencies at the moment.",
                                                "Typo: Trump's. the a
supposed to be an s",
                                               "Nice colours!",
```

<pre>informative when you s live.",</pre>	see it up close. W	e might e	"Lol, it wi ven expose i	ll be more t to you
			"I like live	e 😛",
later",			"Driving, w	ill send
safe.",			"As am I. Di	rive
www.theregister.co.uk/	/2016/12/23/cluste	rhq_bombs	"http:// ", "	
	"http://www.port	man.senat	e.gov/public,	

```
"Second", "the legislation seeks to leverage expertise from outside
government to create more adaptive and responsive U.S. strategy
options. The legislation establishes a fund to help train local
journalists and provide grants and contracts to NGOs", "civil society
organizations", "think tanks", "private sector companies", "media organizations", "and other experts outside the U.S. government with
experience in identifying and analyzing the latest trends in foreign
government disinformation techniques.""",
                                                    "You guys better
start drafting responses. Seems like you can do good and make a
killing doing so. Win win.",
                                                    "http://
www.nytimes.com/2016/12/29/us/politics/russia-election-hacking-
sanctions.html?smprod=nytcore-iphone&smid=nytcore-iphone-share",
                                                     "https://twitter.com/
russianembassy/status/814564127230271489",
                                                     Lol",
                                                     "https://www.dni.gov/
files/documents/ICA 2017 01.pdf"
"DNI declassified report. I need to get off twitter."",
                                                     "@tejas @angelos
landed",
                                                     "@dave will call
soon",
```

index.cfm/press-releases?ID=F973E46B-AA8C-4F3E-91B4-8EC0FC7F2F3E"

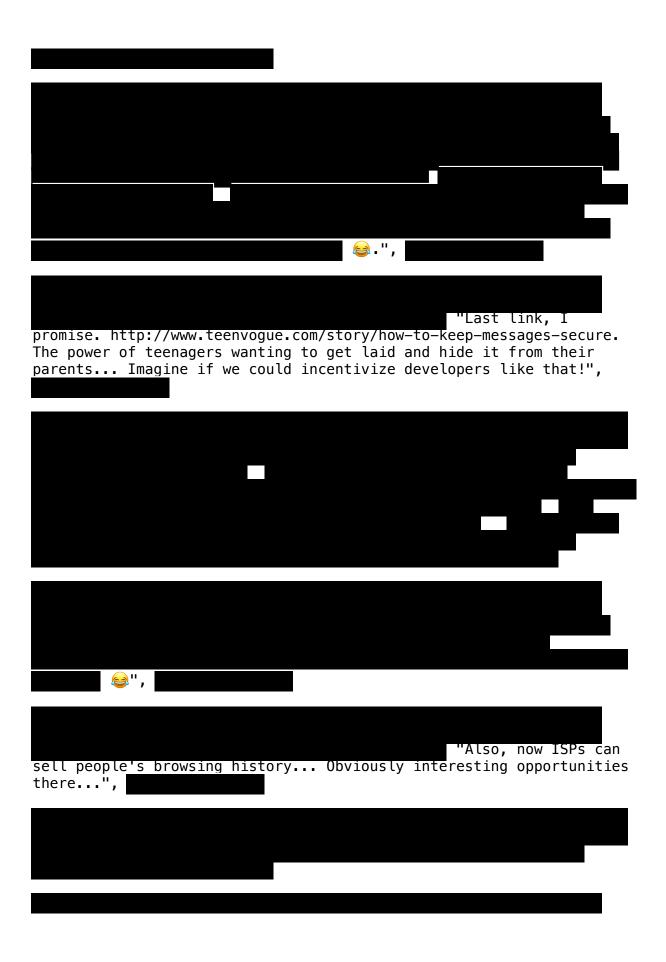
```
"I'll plan to be at
the hotel around 8:30",
                                                "Same. See you
then.",
                                                "We are at the first
flor",
                                               "Where?",
                                               "Where are you? Call
                                               "https://medium.com/
@FSIStanford/did-the-russians-hack-the-u-s-november-
election-83a0a0bdaf1e#.3f2m3iwnu",
```



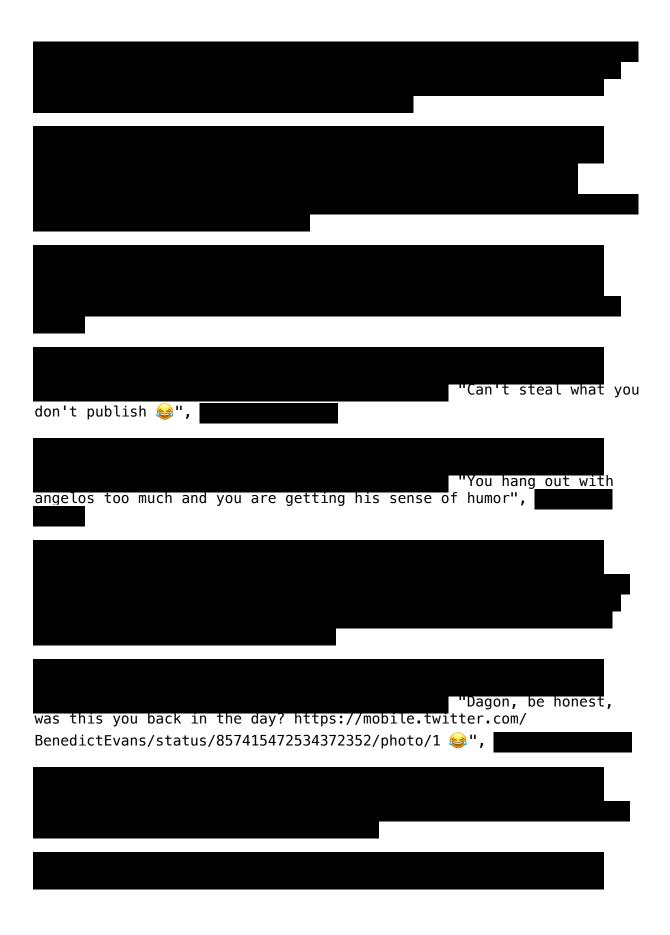
```
"Made me think of
@dagon.",
                                                "https://github.com/
jolle/expired-tweets",
                                               "Report should be in
your email box",
                                                "ack",
                                                 "A better version
should be in you email box",
                                                "I haven't received
anything",
                                                "You replied to the
last email I sent you.",
```

```
"https://
www.alphasoc.com",
                                             "AlphaSOC",
                                             "They do have pretty
pictures!",
                                              "And what have we
been asking for?", "
                                             "Precisely! In 1/1000
of our price you do get pretty pictures....",
                                             "... but nothing
else ;)",
```





```
"The degenerate in me
wants in on this action!",
"https://www.bloomberg.com/news/articles/2014-11-13/high-frequency-traders-turn-to-online-display-ads-market",
```

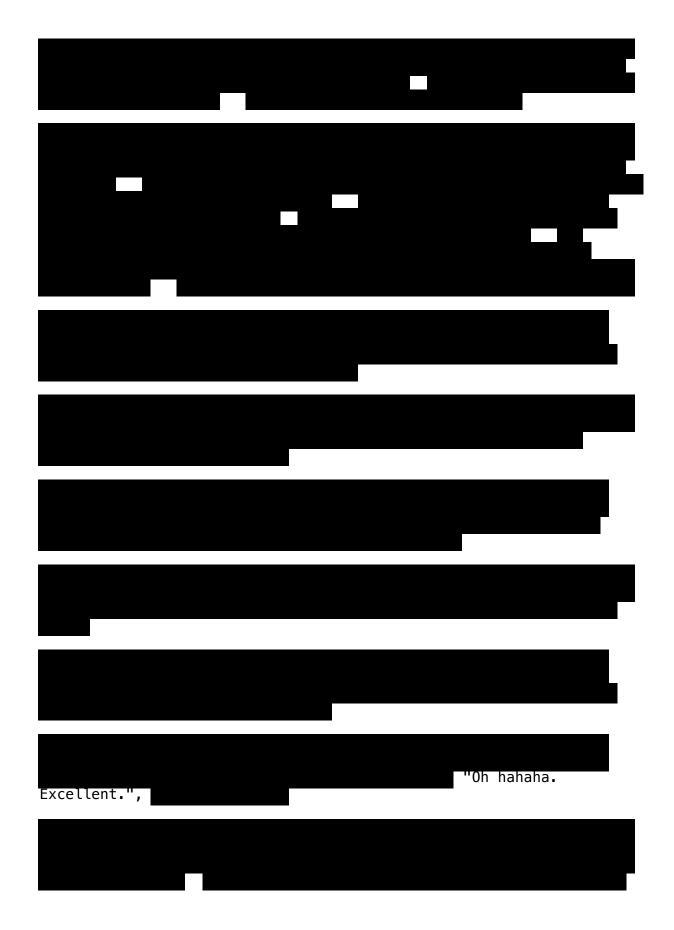


"Happy to help 👍", "Rotfl", "That's from emedia, circa 2005. They made their money off the last 1/3 of companies that still could not figure out the Internet. Some of the older domainers are much more colorful. One domainer from the 1990s still sits on good domain names today, and will sue you if you inquire about a domain price but later refuse negotiations. (I use tor only to scrape his site.) The spamhaus rokso list also has pictures of spammers, some dressed as clowns One domainer had his cat on the board of directors. (literally). Perhaps the earlier people are into new technology, the more likely they are eccentric. Domaining today is all boring (except for the criminal fronts; those guys still keep things fun).", "Haha. You run in way funner circles than I do...",

"https://

www.alienvault.com/blogs/labs-research/macronleaks-a-timeline-ofevents?utm_medium=Social&utm_source=Twitter&utm_content=Awareness",

"There's a news story (not well sourced) suggesting Macron's team self-poisoned some docs with Russian metadata, obvious false documents. Those who steal the documents must now act as journalists, and find the fakes before dumping all. Else, if all the stolen docs are dumped, the victim can just point to the Russian metadata and discredit even the true damaging information. The costs of filtering/editing are considerable (dozens of staffers, minimum) and of course all the leak sites famously don't do any of this.



```
"!!!!!!!!!!",
                   "don't miss the "/jk" at the end there",
                                          "Don't fuck with my
heart...",
                                           "ROTFL",
```

```
"Check inboxes; sent",
                                 "TEXT", "Lol",
                                             "Check your emails
gents",
                                             "Gracias",
                                             "Min masas",
                                "God I really hope my
flight gets cancelled. Otherwise I have no excuse to go home and wife will kill me.",
```

```
"Thanks!",
                                               "Lol",
                                              "Look all's I am
saying is if GRU sends Annet Mahendru after me I'm giving you fuckers
up. Not personal. 😀",
                                              "Does your wife know
this?",
                                                       is what the
CIA calls an above the tear line communications medium.",
                                              "Nicely played
Sir! :)
                                              "Check your emails
gents",
```

There is an API for Game of	"Manos, very urgent. f Thrones. Please predict who will kill who
next 😂 https://anapioficea	andfire.com",
am kidding",	"Just to be clear I
, <u> </u>	
_	

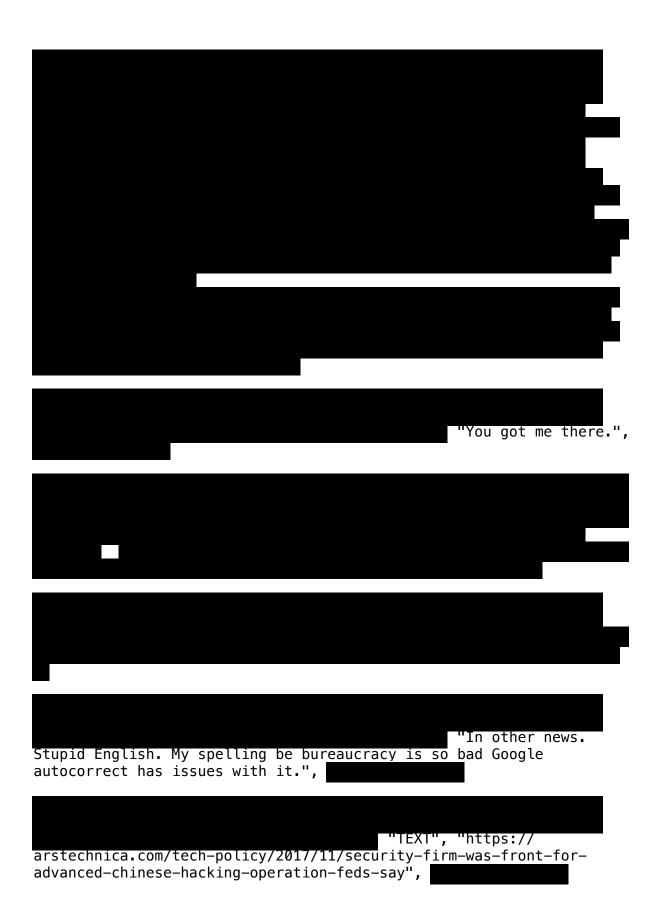






```
"Manos... I keep
telling you. I was always a bitter young man.",
                                                "Angelos perfected
you",
                                                "You will soon be his
biggest masterpiece",
```

```
"I was being ironic
mate",
                                                "https://twitter.com/
darpa/status/925333086539255809",
                                                 "Very cool! Great
exposure for Panos.", "
                                                  "Indeed",
"https://arstechnica.com/information-technology/2017/11/new-quad9-dns-service-
blocks-malicious-domains-for-everyone",
                                                 "You first need to
reliably detect those domains. Who, in the name of god, from this
clown car can do that?"
"#marketing_shenanigans"",
```



```
"Nice",
                                                 "#epic_fail",
                                                "https://
www.bleepingcomputer.com/news/government/russia-wants-to-launch-
backup-dns-system-by-august-1-2018", "
                                                 "Lol",
                     "At best they could slave the roots, and not
split them.",
                                                "Test message for
Angelos' new phone. Please ignore."
```

"«∼Cthulhu» left the group.",