Breaking news on Twitter

Mengdie Hu Georgia Tech
Shixia Liu MSR Asia
Furu Wei MSR Asia
Yingcai Liu UC Davis
John Stasko Georgia Tech
Kwan-Liu Ma UC Davis
Twitter broke Osama Bin Laden’s death

http://www.flickr.com/photos/twitteroffice/5681263084
Twitter broke Osama Bin Laden’s death

9:45 pm: White House announces Pres. Obama speech

Tweets Per Second: Evening of May 1, 2011

White House announces Pres. Obama speech

Keith Urbahn tweets about Osama rumor

ABC, NBC & CBS report Bin Laden’s death

Pres. Obama begins remarks

Pres. Obama confirms Bin Laden’s death

Pres. Obama concludes remarks

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Twitter broke Osama Bin Laden’s death

10:24 pm: Keith Urbahn tweets about Osama rumor

Tweets Per Second: Evening of May 1, 2011

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Twitter broke Osama Bin Laden’s death

10:45 pm: ABC, NBC & CBS report Bin Laden’s death

Tweets Per Second: Evening of May 1, 2011

http://www.flickr.com/photos/twitteroffice/5681263084
Twitter broke Osama Bin Laden’s death

11:30 pm: Pres. Obama begins remarks

http://www.flickr.com/photos/twitteroffice/5681263084
Prior Analysis


• Gilad Lotan (SocialFlow): Breaking Bin Laden: Visualizing the Power of a Single Tweet

• Frédéric Filloux (Guardian): Lessons from the Osama bin Laden Coverage
  http://www.guardian.co.uk/technology/2011/may/09/lessons-from-bin-laden-coverage
Data

Tweets Per Second: Evening of May 1, 2011

- White House announces Pres. Obama speech
- Keith Urbahn tweets about Osama rumor
- ABC, NBC & CBS report Bin Laden’s death
- Pres. Obama begins remarks
- Pres. Obama confirms Bin Laden’s death
- Pres. Obama concludes remarks

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Data

- May 1\textsuperscript{st} 10:20 pm EST – May 2\textsuperscript{nd} 12:20 am EST
- “laden”
- 614,976 tweets
- Sampled (roughly 10%)

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Did Twitter Break the news?

Tweets posted between 10:20 and 10:45 pm

Tweets Per Second: Evening of May 1, 2011

http://www.flickr.com/photos/twitteroffice/5681263084
News breakers

@jacksonjk: Jill Jackson – CBS News Capitol Hill producer
@keithurbahn: Keith Urbahn - Chief of staff of former defense secretary Donald Rumsfeld
@brianstelter: Brian Stelter – New York Times reporter
News breakers

Keith Urbahn
@keithurbahn
So I’m told by a reputable person they have killed Osama Bin Laden. Hot damn.

Jill Jackson
@jacksonjk
House Intelligence committee aide confirms that Osama Bin Laden is dead. U.S. has the body.
Did Twitter convince its audience?

• All English Tweets in data set: 420,134
• Certainty classification
  – Certain: They caught Osama Bin Laden!
  – Uncertain: Rumor, Bin Laden dead. Don’t know for sure.
  – Irrelevant: Obama: "the US is not – and never will be – at war with Islam...Bin Laden was not a Muslim leader; he was a mass murderer...“
• Classifier
  – Training set: 300 tweets, 2 raters agreed on 235 (78.3%)
  – SVM with bag-of-words as features
  – Cross-validation: 75.8% overall confidence
Did Twitter convince its audience?

Keith Urbahn  ABC, NBC and CBS  Obama speech

% of tweets classified as certain

Time

Did Twitter convince its audience?

29.91% tweets @keithurbahn contains “Rumsfeld”
18.61% tweets @jacksonjk contains “CBS”
20.74% tweets @briansteler contains “NYT”
Who generated the buzz?

- 100 accounts mentioned in 18.10% of sampled tweets

<table>
<thead>
<tr>
<th>Category</th>
<th>Accounts</th>
<th>Accounts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mainstream media</td>
<td>26</td>
<td>@cnn, @nytimes, @cnnbrk</td>
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<tr>
<td>Media people</td>
<td>18</td>
<td>@jacksonjk, @brianstelter</td>
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<td>Twitter celebrities</td>
<td>16</td>
<td>@nzafro, @yourfavwhiteguy</td>
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<tr>
<td>Real-life celebrities</td>
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<td>@stevemartintogo, @kimkardashianb</td>
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<td>Blogs</td>
<td>6</td>
<td>@realmorte, @ugglytruth</td>
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<tr>
<td>Political people &amp; org</td>
<td>4</td>
<td>@barackobama, @whitehouse</td>
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<tr>
<td>“Osama”, “Jesus”</td>
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<td>@real_bin_laden, @osamabinladen</td>
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<td>News aggregators</td>
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<td>@breakingnews, @usabreakingnews</td>
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<td>Others</td>
<td>5</td>
<td>@jtalarico328, @realliltunechii</td>
</tr>
</tbody>
</table>
Who generated the buzz?

[Graph showing mentions per minute over time, categorized by mass media, media people, and celebrities.]
What did people share?

- 9.69% tweets contain links
- Top 26 sites made up 58.8% of total valid links
Mass media and government 64.07%

Video & image sharing, social networks, blogs and tweet-shortening services 35.93%
Discussion

• People are willing to trust information from social media – if the sources are credible
• Concentration of attention on “elite users”
• Different groups of elite users play different parts
• Journalists utilize personal social media accounts to “break” news
Associated Press Staff Scolded for Tweeting Too Quickly About OWS Arrests

The official rules note, "Don’t break news that we haven’t published, no matter the format." (Reuters spells out the same idea plainly in their handbook: "Don't scoop the wire.") Instead of getting "caught in the moment," the AP's freewheeling tweeters are urged in the e-mail to run "sensitive official AP business" through editors and corporate communications. The AP's social media guidelines were recently updated to insist, "Retweets, like tweets, should not be written in a way that looks like you’re expressing a personal opinion on the issues of the day."


Breaking news guidance for BBC journalists

“But we've been clear that our first priority remains ensuring that important information reaches BBC colleagues, and thus all our audiences, as quickly as possible - and certainly not after it reaches Twitter.”

http://www.bbc.co.uk/blogs/theditors/2012/02/twitter_guidelines_for_bbc_jou.html