Union use of social media
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Abstract: The importance of the Internet to trade unionism has not gone unnoticed by academics, and whilst many have perceived the need for unions to engage in social media, there has not been any study of how unions use social media. This paper provides a systematic examination of union social media use in terms of method, scope and content. The University and College Union (UCU) Twitter account was used as a case study. Tweets ($n=1,615$) were collected over a four-month period (1st January – 30th April 2014) from the official UCU account with followers ($n=12,301$) also categorised to determine who is listening. Findings are discussed with reference to earlier debates on union use of the Internet. We find that while UCU has moved with technological developments by using Twitter, the content of the union’s messages remain in line with traditional union communication and the engagement opportunities of social media are underutilised.

Introduction

Following an extensive period of union decline, British unions have had to reassess their agenda to maintain levels of organisation. Alongside the union renewal debate, a body of literature emerged looking at the role the Internet can play in trade unionism (Greene et al, 2003; Diamond and Freeman, 2002, Freeman, 2005). The pace of online technological evolution requires an understanding of its current capabilities to determine what such new technology can offer unions (Howcroft and Taylor, 2014:2-3).

Whilst recent work has established the views of trade unionists towards social media (e.g., Panagiotopoulos, 2012; Panagiotopoulos and Barnett, 2014; Upchurch and Grassman, 2015), there has not yet been any investigation into how unions use social media. This paper makes an important contribution to the literature by providing the first systematic examination of union use of social media in terms of scope and content. Specifically, we adopt a case study approach to the University and College Union’s (UCU) use of Twitter. We
consider the content of communication in the context of mobilisation theory, and investigate
the sender, message and receiver of UCU tweets.

Twitter is one of the most popular social media platforms, boasting the ninth most Internet
traffic globally (Alexa, 2014). In September 2014, Twitter had 284 million monthly active
users who posted over 500 million tweets per day, with 80% of active Twitter accounts being
accessed from mobile devices (Twitter, 2014). Moreover, Twitter data are publicly
accessible, thus available to anybody with access to the Internet, unlike other social media
platforms where a user account and established connection with another user are
necessary.

The remainder of the paper is structured as follows. The next section outlines the extant
literature on union communications, their use of the Internet, and the opportunities afforded
by social media. The background for the study is then provided before a consideration of the
methods. The findings are then discussed before the conclusions are presented in the final
section.

Review of the literature

Studying union communication can indicate how unions ‘use communication as a product
and, concurrently, how communication contributes to the process of organizing workers’
(Botan and Frey, 1983:237). Traditional forms of union communication are branch
newsletters and union journals, and the relevance of these is undoubted. Yet with the advent
of the Internet, unions have taken advantage of technological developments to utilise new
forms of communication. In this section, we consider the literature on union use of Web 1.0
before examining the importance of these debates for the current world of Web 2.0,
specifically social media. Despite unions’ initial slow response to advances in technology,
the use of the Internet by UK unions grew rapidly in the 2000s and quickly became part of
union strategy.
Following Upchurch and Grassman (2015), we note that the extant literature on union use of Web 1.0 centred around debates on optimistic and pessimistic opinions about the possibilities for the Internet to enable union renewal. The optimistic thesis was first proposed by Lee (1996), who advocated the ways in which the Internet would enable union renewal, and this point was developed further by Diamond and Freeman (2002) and Freeman (2005). Freeman and Rogers (2002) even suggested that a model of ‘open source unionism’ may exist in the future. Central to this was the role the Internet could play in transforming internal union democracy through the concept of ‘distributed discourse’. Hogan and Greene (2002:62) argued that technological developments ‘clearly have the potential to refashion union democracy, reducing the distance between the bureaucracy and the rank and file that is so harshly criticised’. This enables a ‘distributed discourse’ (Clegg, 2002; Grieco, 2002; Carter et al, 2003; Hogan et al, 2010) through the flattening of union structures, providing a more ‘distributed control over means of communication’ (Greene et al, 2003:285). However, it should be noted that the Internet ‘can be used by pre-existing technological and organisational elites both within and beyond leadership structures to close down or restrict discussions’ (Martinez Lucio et al, 2009:117). Therefore proponents of the ‘pessimistic’ thesis were much more neutral with regards to the potential for the Internet to contribute to renewal, advocating the ‘need to avoid the binary contrast between “bureaucracy” and the “internet”’ (Martinez Lucio, 2003:338). Instead, a number of inter-related factors concerned with notions of identity, existing cultures of communication, and democratic processes were identified to show the complex realities of union use of the Internet (see Martinez Lucio, 2003; Martinez Lucio and Walker, 2005; Martinez Lucio et al, 2009).

Separate to the distributed discourse debate, it is important to consider ‘accelerated pluralism’ (Bimber, 1998; Upchurch and Grassman, 2015:5). This concept centres on the argument that ‘the Internet may enhance revitalisation of trade unions through “mobilisation” effects’ (Upchurch and Grassman, 2015:5). In order to consider how mobilization may occur
requires an examination of message content (Dee, 1968). Outlining the future prospects of strategic union action, Hyman (2007:206) described the main issues as ‘ideas, language and mobilisation’, going on to state that the ‘battle of ideas is also a battle of words’ (207). Building on the social movement literature, and in particular the work of Tilly (1978), McAdam (1988) and Gamson (1992; 1995), Kelly (1998) introduced the concept of mobilisation theory into industrial relations, suggesting that the desire for unionism arises from employees who perceive that they are being treated unjustly. Employees must then attribute blame for the injustice to an agency (i.e., the employer or the state) and finally have a sense of efficacy - the belief that something can be achieved from collective organisation and action. Central to this is the requirement for a visible collective organisation that is able to provide resources sufficient for such action, with a leadership both able and willing to mobilise members. In the context of union communication, the union in question would act as the visible, collective organisation. In reference to mobilisation theory Hyman (2007:207) stated the importance of ‘effective linguistic means of “framing” worker issues when communicating the union message. However, Hyman went on to suggest that ‘the vocabularies of motive which legitimated traditional trade union action have an archaic ring today’ (2007:207).

The web, its functions and adoption have fundamentally changed in the shift from Web 1.0 to Web 2.0. Arguably, the technology behind communication in Web 2.0 existed in the previous era (Kim et al, 2009). Under Web 1.0, it was possible for messages to be sent on a one-to-one, one-to-many or many-to-many basis using email, discussion boards and instant messengers. These same functions are exemplified by Web 2.0 platforms such as Twitter, Facebook and YouTube. The defining functions of Web 2.0 are its facilitation of interaction, critical mass and accessibility, underlined by more affordable, faster Internet connections across the Globe and the seeming transparency and speed at which messages can be transmitted (Shirky, 2011). Indeed, social media (a popular form of Web 2.0 technology) are now ubiquitous. Having developed predominantly in the early to mid-2000s (Boyd and
Ellison, 2008), social media have evolved on both desktop web browser-based platforms and smartphones. It has been suggested that social media do ‘not have a single preordained outcome’ (Shirky, 2011:29) and that ‘highly visible users determine what gets amplified and what does not’ (Fuchs, 2014:192). Unions have started to adopt social media, including social networking sites such as Facebook and microblogging services such as Twitter. A micro-blog is an ‘Internet-based service in which: (1) users have a public profile where they broadcast short public messages/updates […] (2) messages become publicly aggregated together across users; and (3) users can decide whose messages they wish to receive, but not necessarily who can receive their messages’ (Murthy, 2013:10).

Thus, it is important to consider the relevance of the theoretical debates which referred to union use of Web 1.0. It is clear that Web 2.0’s ability to encourage user-generated content for redistribution exemplifies notions of distributed discourse. However, for example, whilst Twitter largely facilitates interaction and conversation between users, it still enables a union to control what message is coming from an account, and to monitor and control the content of such communication. Therefore the way in which social media platforms are used by unions can reinforce the power and authority of union leadership. Indeed, Fitzgerald et al (2012:95) note that ‘unions have advanced greatly in their ability to engage with the Internet and created centrally controlled spaces for intra- and extra-union communications’. Union presence on social media can therefore present the ‘official’ view of the union, much in the same way a union’s website is the ‘prominent public shop-window of the organization’ (Bibby in Freeman, 2005:167). We also acknowledge the criticisms levelled at mobilisation theory in conjunction with, democracy, unions and Web 1.0 (Hogan and Greene, 2002). However, we argue that it is necessary to examine the content of union communication in the era of Web 2.0 to see if unions still communicate in the traditional manner using the central tenets of mobilisation theory. Indeed, in this context, it is important to consider the potential impact of ‘accelerated pluralism’ as ‘The implication is that if trade unions utilise social media to identify and isolate the employer as the source of grievance, than the prospects of collective
mobilisation and identification with the union are enhanced' (Upchurch and Grassman, 2015:5). Thus, it is necessary to investigate in a social media context how message transmission is conducted in-line with mobilisation theory, and to consider whether conversational opportunities are being leveraged by unions.

Despite the need for unions to take more control over their communication power (Geelan, 2013), research into union use of social media has largely been restricted to surveys of union members and officials about the potential benefits and limitations of using such technologies. For example, Panagiotopoulos (2012) examines how members of a Greek union perceive union use of social media, and found that the majority of members were willing to interact with the union through social media channels outside of working hours. Moreover, he expresses the need for unions to pay attention to social media audiences and develop the communication accordingly, yet did not investigate the social media audience of the Greek union studied. Panagiotopoulos and Barnett (2014) surveyed union members and officials across UNI Global union regarding their union’s use of social media. The authors suggest that union social media use gives the wider public ‘more opportunities to come across union positions and possibly engage with them’ (ibid:18), and showed a moderate uptake of micro-blogging services like Twitter (19). Again, the authors did not analyse message content communicated through social media platforms.

Fowler and Hagar (2013) examined unions and social media in the Canadian context and in relation to Twitter concluded that union tweets must be ‘dynamic and engaging and must actively seek to encourage responses from followers’ (223), confirming the view of Pinnock (2005) regarding the impact of concise messages. Additionally, the importance of Hashtags to monitor online participation in discussions was noted. Hashtags allow users ‘to link a tweet to a particular topic, effectively a “bottom-up” curation of tweets around a particular topic into a single stream of data’ (Tinati et al, 2014:668). Upchurch and Grassman’s (2015) recent work differs in its use of documentary evidence and interviews to illustrate how union
activity on social media can be used to discipline employees. Whilst useful to the debate, the work of both Fowler and Hagar and Upchurch and Grassman do not systematically examine precisely how social media are utilised by unions. Attempts have been made to document the presence of unions on social media platforms such as Facebook and Twitter (see Author A), but call for greater information regarding message content, and a detailed examination of message recipients.

Table 1 Social media penetration by unions 1st May 2014 (Twitter data: authors; Union membership January 2014: TUC, 2015:34-35)

<table>
<thead>
<tr>
<th>Union</th>
<th>Tweets</th>
<th>Following</th>
<th>Followers</th>
<th>Membership</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unite</td>
<td>10,449</td>
<td>813</td>
<td>26,995</td>
<td>1,310,649</td>
</tr>
<tr>
<td>UNISON</td>
<td>11,834</td>
<td>1,974</td>
<td>23,559</td>
<td>1,266,711</td>
</tr>
<tr>
<td>GMB</td>
<td>1,452</td>
<td>0</td>
<td>4,471</td>
<td>617,064</td>
</tr>
<tr>
<td>USDAW</td>
<td>877</td>
<td>34</td>
<td>2,051</td>
<td>433,402</td>
</tr>
<tr>
<td>NUT</td>
<td>7,177</td>
<td>2,026</td>
<td>21,705</td>
<td>330,719</td>
</tr>
<tr>
<td>NASUWT</td>
<td>4,990</td>
<td>1,994</td>
<td>13,601</td>
<td>293,024</td>
</tr>
<tr>
<td>PCS</td>
<td>11,626</td>
<td>866</td>
<td>15,525</td>
<td>247,345</td>
</tr>
<tr>
<td>CWU</td>
<td>6,174</td>
<td>717</td>
<td>4,478</td>
<td>201,729</td>
</tr>
<tr>
<td>ATL</td>
<td>2,738</td>
<td>427</td>
<td>4,651</td>
<td>127,899</td>
</tr>
<tr>
<td>Prospect</td>
<td>2,671</td>
<td>660</td>
<td>2,646</td>
<td>116,911</td>
</tr>
<tr>
<td>UCU</td>
<td>6,057</td>
<td>344</td>
<td>12,301</td>
<td>113,227</td>
</tr>
</tbody>
</table>

Table 1 examines the frequency at which the top eleven Trades Union Congress affiliated unions are using Twitter, demonstrating the varying degree to which unions are using Twitter and that the number of people following union accounts has little resemblance to membership figures. A detailed examination of union followers on Twitter may go some way to understanding the potential for unions to organise and mobilise through social media.

In summary, although unions have adopted new platforms of communication as technology has evolved from Web 1.0 to Web 2.0, it is not known whether the content of communication has modernised accordingly. We argue that whilst union use of social media is still constrained by the same features that limited the power of Web 1.0 for renewal, there is
increased potential for Web 2.0 to mobilise workers through the concept of ‘accelerated pluralism’ (Bimber, 1998). Thus, it is important to analyse the pattern of union communication through social media to see if the approach follows the principles of mobilisation theory (Kelly, 1998). Therefore we address the following research questions:

1. Is the content of the message in line with mobilisation theory?
2. What is being said by trade unions on social media?
3. Who are the audience?

**Context**

UCU organises academic and academic related staff in the further and higher education sectors of the UK. As of January 2014, UCU had a membership of 113,227 (TUC, 2015:35). Increasingly, universities are operating as businesses, which has led to a growth in the ‘inevitable tensions between the market driven “missions” and the desire by staff to preserve a degree of professional autonomy and some control over the nature and mix of their work’ (Kline, 2009:25). Consequently, there have been an increasing number of national disputes between the union and the Universities and Colleges Employers Association (UCEA) on issues of pay and pensions. The research presented here was conducted against the backdrop of a pay dispute related to the 2013 pay offer. The union balloted members for industrial action in autumn 2013 and one-day strikes were held in October and November. Two-hour strikes were held on 23/01/14, 28/01/14 and 10/02/14 and there was a one-day strike on 06/02/14 alongside other unions in the HE sector. The dispute continued until May 2014.

**Methods**

Twitter was selected as the social media platform for this investigation due to its provision for short (140-character) text-based updates (although pictures, videos and URLs can be used) and its wider adoption as a news and micro-blogging service where users and organisations
push updates and interact with one another. Tweets from the UCU Twitter account (@UCU) between 1/1/14 and 30/4/14 were collected, including all posts by UCU and tweets that UCU had ‘retweeted’. Tweets (n=1,615) were arranged chronologically then categorised as to whether they were an original tweet (a tweet composed and posted by UCU), a retweet (a tweet written by another user that UCU has re-posted for its followers to view), or a conversation tweet (a tweet specifically directed to another user that encourages reciprocity). This period included four instances of strike action (see above), which demonstrates UCU’s social media usage during normal and high periods of activity.

Data regarding the followers of the UCU account (users who elect to connect with the UCU Twitter account and receive updates in their own Twitter feed) were collected to establish to whom UCU were tweeting. Data were collected on 1/5/14 when the UCU account had 12,301 followers.

To address the first research question, all tweets composed by UCU (original tweets; n=581) were analysed using a prescriptive framework to determine whether their content was in line with the ‘linguistic framing’ (Hyman, 2007:207) required to assist with the mobilisation of workers (Kelly, 1998). Thus, tweets were coded as either: framing of an injustice; attribution of blame for the injustice; evidence of action; or other (tweets outside of the central tenets of mobilisation theory; (see Table 2). Retweets were excluded as UCU did not originally generate the content of those messages, and conversation tweets were excluded because they represent half of a bi-directional dialogue not representative of UCU communication via Twitter. The authors analysed all applicable tweets together, resulting in 100% agreement of categorisation.

To address the second research question, all tweets (n=1,615) were analysed using King’s (1998) template analysis. Initial codes were developed before conducting analysis, and modified during the process of enquiry. The authors analysed the first 200 tweets together to
ensure that any disagreements over the initial categories were addressed. The remaining tweets \((n=1,415)\) were then analysed by both coders individually. Agreement was strong after this phase of the analysis \((\alpha=.807)\). Any disagreement in the tweet classification was then revisited and discussed until agreement was reached and nine categories were established (Table 3).

Followers of the UCU account \((n=12,301)\) were analysed to address our final research question. Coding of the user account biographies was conducted in the same manner as the full tweet data set, and resulted in 11 categories of audience (Table 6). Social media audiences are made up of different sub-groups, each of whom has different expectations over posted messages (Marder et al, 2012). Thus, it is essential to understand the audience of communication. Selvin (1963:92) raised the issue in terms of traditional union media and the message recipients, and Panagiotopoulos (2012) makes the same point in relation to social media. With over 12,000 individual followers, understanding the interpretation of any posted messages by UCU is unworkable, and as such, falls beyond the scope of this paper.

Some ethical concern exists surrounding research conducted in our own profession, but it has been suggested that for the researcher, ‘the closeness to the research subjects increased their understanding…thus, the “inside” researcher has some advantages; knowledge of the context of the research, awareness of the micro-politics of the environment and easy access to the subjects’ (McCarthy, 2009: 114). UCU’s Twitter account is not private so tweets and the tweets of those engaging with UCU are easily and readily accessible to anybody with an Internet connection. Therefore, we have opted not to quote tweets by individual users, as identification could result in their association with industrial action (or lack of association with industrial action depending on one’s inclination) and has the potential for any employing institution to look upon the individual more or less favourably as a result. Thus, we only quote tweets composed by UCU nationally, other sections of UCU (branch or committee), other unions or members of the press (e.g., those who would
legitimately expect their tweets to be public). In all other instances we describe the tweet categories or an individual tweet without using words from the tweet or identifying any associated institutions that would make possible data aggregation, and thus user identification. We acknowledge this limitation, but are committed to the privacy of the individuals and groups within our public data-set.

Findings

Mobilisation theory

Of the original tweets from the UCU account (n=581), 61.79% (n=359) fitted the elements of mobilisation theory. Categorisation is presented in Table 2.

<table>
<thead>
<tr>
<th>Mobilisation Stage</th>
<th>N</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Framing</td>
<td>136</td>
<td>23.41</td>
</tr>
<tr>
<td>Attribution</td>
<td>62</td>
<td>10.67</td>
</tr>
<tr>
<td>Action</td>
<td>161</td>
<td>27.71</td>
</tr>
<tr>
<td>Other</td>
<td>222</td>
<td>38.21</td>
</tr>
<tr>
<td>TOTAL</td>
<td>581</td>
<td>100.00</td>
</tr>
</tbody>
</table>

Of the original tweets, 23.41% (n=136) were phrased in a way likely to generate a sense of injustice amongst UCU members. Tweets in this category focussed around the ongoing HE pay dispute and multiple tweets referred to pay of Vice-Chancellors, compared to other staff. For example, the following tweet ‘One-fifth of university heads enjoy pay rise of at least 10%, as staff get real-terms pay cut: http://www.ucu.org.uk/7021 #fairpayinhe’ directly compared pay rises between staff groups in the HE sector, whereas this example, ‘UK academic pay is significantly below that in USA, Canada, Australia: http://fairpay.web.ucc.org.uk/2014/02/05/uk-academic-staff-doing-more-for-less-every-
day/ …’ was tweeted four times, and compared pay internationally in the HE sector. Other examples reported on the progress of negotiations, but were carefully phrased, such as the following tweet ‘Employers recognise falling pay, but no offer made during latest talks http://bit.ly/1dCQNYq’. Tweets did not focus solely on the HE dispute, however, as examples were found explaining the case for fair pay in FE, for example ‘FE needs a pay rise http://fairpay.web.uuc.org.uk/2014/03/20/fe-needs-a-pay-rise/#.UysUAI_2rTc.twitter … #fairpayinFE’.

Tweets in the ‘Attribution’ category again focussed on the ongoing dispute, but centred on the actions and behaviour of University leaders. The following tweet is a good example of common messages being sent, which stated ‘How bullying VCs helped build for today’s walkouts: blog post - http://bit.ly/1inzH1J #fairpayinHE #bullyingVCs’. UCU tweeted (and repeated) a number of anonymous quotes from members to further show dissatisfaction and attribution of blame for the situation facing members. This point is best exemplified by the following tweets, the first stating “I cannot believe what my uni is doing. I’ll be supporting the strike. It is bullying plain and simple”. #bullyingVCs #fairpayinhe’, whilst another conveyed a sense of anger, “I’m so angry that I guarantee my participation in all 2 hour strikes and any marking boycott the union calls.” #bullyingVCs #fairpayinhe’. These tweets were used to demonstrate a sense of mobilisation, with the following tweet “I’ve joined @ucu in response of the email from my HR director and replied to complain about threatening tone” #bullyingVCs #fairpayinhe’ further supporting this point.

The fact that tweets detailing evidence of ‘Action’ was the biggest category is perhaps unsurprising given that strike action occurred during the period investigated. Tweets demonstrated both ‘real’ and virtual evidence of action. For example, this tweet ‘Timeline filling up with solidarity and strike reports! Wow. #fairpayinHE’ shows the extent to which UCU used Twitter during the dispute and the following tweet is an example of how the union collated evidence of action ‘follow all this mornings action on our live blog
In addition to reports of strike activity, tweets provided updates of forthcoming negotiations through tweets such as ‘2% pay offer for HE staff put to UCU members http://bit.ly/1mlqOp0’. On occasion, tweets detailed evidence of activity outside of the dispute, such as lobbying activities, for example ‘UCU joins lobby of parliament on 2 April http://bit.ly/1hUWOyp’.

The final category, ‘other’, contained the remaining tweets from UCU’s account that did not fit with the central tenets of mobilisation theory, and were similar in nature to a number of tweets from the ‘News’ category described below, for example ‘BBC News - Decline of overseas students at England’s universities http://bbc.in/1pKBz3J’. Tweets in this category also provided answers to questions from other users on matters unrelated to the pay dispute.

What is said?: Tweets and Hashtags

All tweets (n=1,615) were categorised into the following nine categories: Recruitment, tweets that encouraged people to join UCU; UCU Campaigning, tweets that promoted awareness of UCU’s campaigning activities; External Campaigning, tweets that promoted awareness of the campaigning activities of the wider trade union movement; Strike Building, tweets that encouraged participation in, and raised awareness of, industrial action; Strike Action, tweets that detailed strike action; Solidarity, tweets that displayed solidarity both to and from UCU; Engagement, tweets that demonstrated interaction between UCU and other Twitter users; News, tweets reporting news, both internal to UCU and external relating to wider further and HE issues; and, Other, which contained all other tweets.
Table 3: Tweets by category and tweet type (source: authors)

<table>
<thead>
<tr>
<th>Category</th>
<th>Tweet Type</th>
<th>N</th>
<th>% of Category</th>
<th>N</th>
<th>% of Total Tweets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recruitment</td>
<td>Original</td>
<td>0</td>
<td>0.00</td>
<td>4</td>
<td>0.25</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>3</td>
<td>75.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>1</td>
<td>25.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Campaigning</td>
<td>Original</td>
<td>95</td>
<td>66.43</td>
<td>143</td>
<td>8.85</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>45</td>
<td>31.47</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>3</td>
<td>2.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>External Campaigning</td>
<td>Original</td>
<td>1</td>
<td>50.00</td>
<td>2</td>
<td>0.12</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>1</td>
<td>50.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>0</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strike Building</td>
<td>Original</td>
<td>102</td>
<td>45.95</td>
<td>222</td>
<td>13.75</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>120</td>
<td>54.05</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>0</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strike Action</td>
<td>Original</td>
<td>95</td>
<td>15.60</td>
<td>609</td>
<td>37.71</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>506</td>
<td>83.09</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>8</td>
<td>1.31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solidarity</td>
<td>Original</td>
<td>12</td>
<td>5.22</td>
<td>230</td>
<td>14.24</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>212</td>
<td>92.17</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>6</td>
<td>2.61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engagement</td>
<td>Original</td>
<td>8</td>
<td>7.41</td>
<td>108</td>
<td>6.69</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>38</td>
<td>35.19</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>62</td>
<td>57.41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>News</td>
<td>Original</td>
<td>183</td>
<td>62.46</td>
<td>293</td>
<td>18.14</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>109</td>
<td>37.20</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>1</td>
<td>0.34</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>Original</td>
<td>4</td>
<td>100.00</td>
<td>4</td>
<td>0.25</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>0</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>0</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>1615</td>
<td></td>
<td>1615</td>
<td>100.00</td>
</tr>
</tbody>
</table>

Additionally, individual hashtags were identified by the frequency of their use in the tweets. A total of 1,293 hashtags were used across the data-set. Table 4 shows the frequencies of hashtags mentioned >20 times. Notable hashtags within each tweet category are discussed throughout.

Table 4: Hashtag frequencies across all tweet categories (source: authors)
<table>
<thead>
<tr>
<th>Hashtag</th>
<th>N</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>#fairpayinhe</td>
<td>816</td>
<td>63.11</td>
</tr>
<tr>
<td>#BullyingVCs</td>
<td>69</td>
<td>5.34</td>
</tr>
<tr>
<td>#ucu</td>
<td>52</td>
<td>4.02</td>
</tr>
<tr>
<td>#solidarity</td>
<td>43</td>
<td>3.33</td>
</tr>
<tr>
<td>#keconf</td>
<td>20</td>
<td>1.54</td>
</tr>
<tr>
<td>Others (&lt;20 mentions)</td>
<td>293</td>
<td>22.66</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>1,293</td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>

Recruitment

Whilst the recruitment category contains only four tweets, it demonstrates the lack of Twitter use by UCU for this purpose. Typical recruitment tweets are best exemplified by the following tweet, “[@User] you can join online at our website now and take strike action with us. Simple!”, which was posted specifically in conversation with a Twitter user to encourage them to join the union.

UCU Campaigning

Tweets in this category comprised ongoing campaigns reports. As the data were collected during a period of dispute, tweets tended to focus on this specific campaign. For example, the following tweet related to a poll conducted by The Guardian (retweeted by UCU) highlighting the importance of the pay campaign and the support action had from online readers: “Should lecturers engage in a marking boycott? 76% say YES in our poll so far, cast your vote here >> http://gu.com/p/3mzej/tw #highereducation”. An interesting approach UCU adopted was to tweet to those affected by industrial action – students - explaining the reason, purpose and necessity of such action. One such tweet stated “Apologies to all students facing yet more disruption. We ask that you read this and write to your VC http://fairpay.web.ucu.org.uk/2014/02/04/a-new-briefing-on-the-he-dispute-for-students/#.UviW3Yg9oCp.Twitter … #fairpayinHE”.

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Other examples showed UCU reporting on activity relating to wider lobbying at the UK Houses of Parliament, “Very busy in Parliament’s Central Lobby as UCU members meet with their MPs for the #uculobby”. These tweets showed the issues of wider importance to the union’s membership beyond the ongoing pay dispute. Additionally, UCU frequently retweeted posts that linked current issues to wider cultural references, or current Twitter trends, often containing humour. For example, a parody of Monty Python’s The Life or Brian, “What Have the Romans Ever Done For Us?” had been tweeted by users in a video entitled, “What Have the Unions Ever Done For Us?”, which listed union successes. Links to the profession were also made around Valentine’s Day, when a Twitter trend for academic valentine’s poems was hijacked by users writing similar style poems about the pay dispute, which UCU often retweeted.

**External Campaigning**

Although only two tweets exist in this category, it showed UCU’s support of campaigns from the wider union movement where there was relevance to its own industrial issues. For example, the topic of the following tweet “UCU supports TUC’s campaign to stop private firms cashing in on public education: http://www.ucu.org.uk/6997” clearly has resonance with the UCU membership. The other tweet in this category was a retweet of a rhetorical question about the benefits won by unions over the years, such as sick pay and holiday pay, and linked the tweet to strike action being taken on the day it was posted using the hashtag #tubestrike. The lack of tweets in this category is surprising as unions are often vocal in support of campaigns across the labour movement. However, we found that rather than referring to specific campaigns, many of these tweets specifically related to messages of solidarity (discussed below).

**Strike Building**

This category contained tweets referring to the build-up of strike activity at both a national and local level. An advantage of Twitter observed in this category was the ability of users to
highlight their planned participation in strike action. This is of particular importance for a workforce that does not have common, set hours or a physical place of work when they are not teaching or attending meetings. As such, this added to the greater sense of action conducted, as traditionally these individuals may not be observed on the picket lines and thus their participation in action overlooked.

Over half the tweets in this category were retweets (n=120) commenting on the purpose of the strike, notifying followers of the reason(s) why they were taking part. The feeling of being bullied by university Vice-Chancellors was heavily discussed, with 31 tweets using the hashtag “#BullyingVCs”. Example tweets include, “Why casualised staff should support UCU’s industrial action in HE http://bit.ly/1cklhgY”, emphasising the importance of the industrial action, and a number of tweets which identified the imminent action, such as the following: “Just 10 mins till our stoppage. If you’re at work prepare to leave. If not, don’t go in! (Till 11) #fairpayinHE”. This category showed a noticeable increase in the use of the ‘#fairpayinHE’ hashtag, mentioned 128 times, representing 15.69% of its total usage.

A range of activities were evident in preparation for strike activity with a number of tweets centred on the preparation of food. People were bringing cakes and tea to picket lines, and in some cases, humorously identified as a “Frying Picket”, food was cooked on the picket line using portable cooking appliances.

**Strike Action**

The overall majority of tweets collected occurred around the four instances of strike action. Tweets were coded as posted during a “strike” period if the tweet occurred on the day before, of and after strike action (regardless of whether such action was for an entire day or for two hours). Tweets from all other dates were categorised as “non-strike” periods. Table 5 shows the type of tweets for non-strike periods and for strike periods overall.
Table 5: Tweet types for strike and non-strike periods overall (source: authors)

<table>
<thead>
<tr>
<th>Category</th>
<th>Tweet Type</th>
<th>n</th>
<th>% of Period Tweets</th>
<th>N</th>
<th>% of Total Tweets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Strike Period</td>
<td>Original</td>
<td>267</td>
<td>58.04</td>
<td>460</td>
<td>28.48</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>145</td>
<td>31.52</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>48</td>
<td>10.43</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strike Period</td>
<td>Original</td>
<td>233</td>
<td>20.17</td>
<td>1155</td>
<td>71.52</td>
</tr>
<tr>
<td></td>
<td>Retweet</td>
<td>889</td>
<td>76.97</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conversation</td>
<td>33</td>
<td>2.86</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>1615</td>
<td>100.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Of the total tweets collected, 71.52% (n=1,155) were posted during strike periods and 28.48% (n=460) during non-strike periods, suggesting UCU are considerably more active on Twitter during strike periods. During non-strike periods, original tweets represented 58.04% (n=267/460), and 31.52% (n=145/460) were retweets. During strike periods UCU retweeted more often (76.97%; n=889/1,155), showing higher levels of interaction with other users. A similar number of original tweets were posted cf. non-strike periods, but represented a smaller proportion of strike period tweets (20.17%; n=233/1,155).

Tweets were sent to indicate when strike action began, but also when members should return to work, coordinating the different picket lines and those working from home who had “downed tools” in their own way. For example UCU tweeted, “EVERYONE OUT! (or not in.) #fairpayinHE”, at commencement of the industrial action and, “OK, EVERYONE IN. Tools up and back to work unless you’re out for the day. Thanks to all of you hardy strikers #fairpayinHE #bullyingVCs”.

Tweets in this category mainly discussed the dispute and the reasons for UCU taking industrial action. This discussion was heavily linked to the hashtags “#BullyingVCs” (n=27) and “#FairPayinHE” (n=447), with tweets often relating to the frivolous spending of Vice-Chancellors (VCs) whilst staff face a real-term salary cut. The tweets regularly detailed anger towards VCs and institutions for the treatment of all staff, with UCU retweeting the
following which stated “Striking 9-11 for #FairPayInHE Fair pay AND conditions for all of us, hourly paid, fixed term, pt time, full time, permanent, porter to professor!”. UCU were particularly engaging with the Times Higher Education’s request via Twitter for details on those VCs earning more than £100,000 per annum. In these tweets, the language became increasingly subversive towards institutions, VCs and UCEA, especially regarding pay deductions for participation in the strike action.

Photographs and videos were also posted showing picket line activity, including contemporary dances, and humour formed a large component of these tweets. Other tweets during the activity reported how members were enduring the conditions with hot food and drink supplies from members and non-members, adding to the collective sense that Twitter use helped amplify activity to other members nationally, rather than being limited to seeing only proximal activity.

**Solidarity**

This category refers to messages of solidarity sent to UCU (and retweeted by the account) and from UCU to other unions undertaking action, often using the hashtag ‘#solidarity’ ($n=28$). Examples of solidarity messages received by UCU can be shown through the following retweet of a message from the Public and Commercial Services union which stated “PCS backs today’s HE pay strike, Mark Serwotka: For vast majority of people life is harder @EISUnion @unisontweets @unitetheunion @ucu”. Such tweets show the importance placed on solidarity by the union, which is not surprising. Examples of messages of support sent by UCU to other unions such as the National Union of Teachers (NUT) show a different type of solidarity message. In most cases, these tweets prompted a message of thanks from the respective union. Example tweets include a retweet from the NUT, “Thanks to @ucu for their msg of support: ‘Enough really is enough now and it is time for fair pay for teachers and lecturers’ #M26”.

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Support from people outside of the education sector was also evident in member-reported-tweets about offline activity. For example, tweets described Royal Mail vans turning away from picket lines in order to show support, and members of the public tooting their horns when driving past. One organisation even claimed it shut down its Twitter account during UCU strike hours in support of the industrial action, saying, “We’re shutting down today in support of @UNISONinHE, @UCU and @Unitetheunion strike action for #FairPayinHE http://www.fairpayinhe.org.uk”.

Engagement

Tweets considered to be examples of engagement included many that cannot be tweeted without identifying the user(s). Tweets typically involved UCU responding to questions about employment issues, disputes and action more generally. Others included interactions with newspapers to help further the main issue of the day, for example, “@timeshighered Following pay docking threats, we’re asking for examples of excess from VCs and unis. Can we find 100k?http://fairpay.web.ucu.org.uk/2014/01/27/ucu-call-for-evidence-university-excess/”, and, “@GdnHigherEd Yes and those ‘make it’ are badly paid and on insecure contracts. Check out our timeline for lots of testimony. #fairpayinHE”. These tweets are clearly examples of UCU trying to build wider support for their cause during this period and UCU would often tweet a response to an individual reporter, for example, “@JMorganTHE @UCEA1 It’s our ultimate sanction, used only because of UCEA’s intransigence. Good luck on getting a Twitter response though”. This last example also demonstrates UCU’s desire to engage with UCEA via Twitter by mentioning their account in the message text. Further evidence was found of individual users sending UCU relevant information and UCU replying to thank the user.

News

Tweets in this category often utilised (online) newspaper articles, as well as newspaper reports on issues generally of relevance to further and higher education. Examples of
newspaper retweets include “Snooping on students’ digital footprints won’t improve their experience says president of @UCU, Simon Renton http://gu.com/p/3np75/tw #Moocs”, a retweet from the Guardian Education Twitter account. Examples of original UCU tweets included comments on relevant issues of the day and can be best exemplified by the following tweet, stating “UCU - University and College Union - UCU responds to Michael Gove’s speech http://www.ucu.org.uk/6947#.Uu_DSLHwG1l.Twitter …”. Tweets also pertained to issues that go beyond UCU to academia more widely, e.g., “Why the REF matters to students http://bit.ly/1qi46ji”, an original UCU tweet that appeared eight times during the data collection period.

Additional tweets in this category demonstrated updates from conferences on the importance of education for society, for example discussing the importance of education for prison inmates. Further tweets reported news about recently deceased public figures with links to the trade union movement such as Tony Benn and Bob Crow. This category accounted for 18.14% of all tweets.

Other

This final category collates otherwise uncategorised tweets and represents interactions with UCU that are outside the scope of UCU’s normal Twitter use. Examples include the following original tweets by UCU, “Oops. Power failure at head office=no landlines. Time for a shout out to mobile technology!” and “I suppose an English football club spamming our web inbox is a novelty”. These tweets were all in good humour and their low number (n=4) shows their infrequent nature.

Who is listening?

Coding resulted in eleven categories (see Table 6). Users who identified themselves to multiple categories were classified according to the most relevant to the union. For example, a user self-identifying as a ‘parent and academic’ would be categorised as an academic
because academics would be of greater relevance to UCU. Where the categories were
demed equally relevant, such as ‘academic and trade unionist’ the first mentioned category
was used, adopting the stance that the most prominent to the user would be the first
mentioned.

Table 6: Follower Categories (source: authors)

<table>
<thead>
<tr>
<th>Follower Category</th>
<th>N</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCU Members/Officials</td>
<td>52</td>
<td>0.42</td>
</tr>
<tr>
<td>UCU Branches/Committees</td>
<td>99</td>
<td>0.80</td>
</tr>
<tr>
<td>Academic/Academic Related Staff (incl. Doctoral Students)</td>
<td>2,279</td>
<td>18.53</td>
</tr>
<tr>
<td>Students (excl. Doctoral)</td>
<td>417</td>
<td>3.39</td>
</tr>
<tr>
<td>Student Organisations</td>
<td>477</td>
<td>3.88</td>
</tr>
<tr>
<td>Trade Union Related (non-UCU)</td>
<td>870</td>
<td>7.07</td>
</tr>
<tr>
<td>Press (non-student)</td>
<td>288</td>
<td>2.34</td>
</tr>
<tr>
<td>Politician/Councillor</td>
<td>211</td>
<td>1.72</td>
</tr>
<tr>
<td>Organisations</td>
<td>2,292</td>
<td>18.63</td>
</tr>
<tr>
<td>Universities/Colleges</td>
<td>321</td>
<td>2.61</td>
</tr>
<tr>
<td>Other</td>
<td>4,995</td>
<td>40.61</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>12,301</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>

Very few users self-identified as UCU members or officials (0.42%), and a small number of
users (0.80%) were accounts in the name of UCU Branches or Committees, such as UCU
Academic Related (@UCU_ARPS). We were only able to identify 18.53% (2,279) of users
as academic/academic related – presumably one of the main target groups for UCU –
although the category represented the third largest audience. This category included
doctoral students, support staff and librarians. Despite a number of tweets being directed at
students (described above), only 3.39% identified as students, and a similar number (3.88%)
were run by student organisations including student unions and student press, such as
Brighton SU (@SUBrighton), A number of accounts identified as union accounts or
individuals identifying as a member/official of another union, including PCS (@pcs_union),
and were categorised as Trade Union Related. Only 2.34% identified as journalists or press
organisations, and included accounts such as BBC Radio 4 Today (@BBCr4today) and The Independent (@Independent). An even smaller number of followers identified as politicians or councillors. A large number of accounts (18.63%) identified as companies or organisations unrelated to UCU such as a Taxi Company in Yorkshire (@amazoncars) and a condom company (@cheekycondoms). Surprisingly, there were only a small number of accounts (2.61%) that identified as universities and colleges, such as Keele University (@KeeleUniversity) and City of Glasgow College (@CofGcollege). Despite being subject to direct tweets from UCU, as noted above, the employers’ association UCEA do not follow the UCU Twitter account. The largest category was ‘Other’, comprising accounts with no self-identification provided or an identification deemed irrelevant to the union/professional field, e.g., “football fan”).

Discussion and conclusion

This paper contributes to the extant literature investigating union use of social media by examining the content of union messages sent from UCU, and through providing a detailed analysis of the union’s audience. We now discuss each of the three research questions in turn. In addressing the first research question, accelerated pluralism suggested that the Internet could lead to union renewal through “mobilisation” effects’ (Upchurch and Grassman, 2015:5). How unions communicate their message is crucial to determining their success at mobilisation (Botan and Frey, 1983) and we therefore considered whether the content of UCU communication sent through Twitter utilised the central tenets of mobilisation theory (Kelly, 1998). Hyman (2007) commented on the importance of language used when communicating a union’s message and we found that although UCU are using a modern platform to communicate, the content of the majority of tweets (61.79%) remain in the traditional style of unions. Furthermore, the majority of retweets during strike periods can arguably be considered evidence of mobilisation, as UCU are utilising others’ posts to highlight a greater sense of action. Thus, the union’s use of Twitter confirms that messages fit the ‘linguistic framing’ (Hyman, 2007:207) required for mobilisation of workers.
In addressing the second research question, we categorised tweets posted by the union and a number of points can be made here. An initial observation is that the categories which emerged from our data are in line with typologies of communication used by political organisations and wider social movements in terms of information provision, campaigning, building links with other organisations and promoting participation (see Foot and Schneider, 2006; Stein, 2009). Despite this, there were some surprising results. For example, only 0.25% of tweets fitted the category of recruitment. This was unexpected, as previous research has indicated the potential for unions to use social media platforms for recruitment and renewal (Panagiotopoulos and Barnett, 2014). However, this finding resonates with issues of recruitment via Twitter identified by Author A and the observation made by (Aalto-Matturi, 2005:479) that people need to actively self-seek information online and therefore Twitter is perhaps not the best tool for recruitment.

It was unsurprising that a large proportion of tweets (60.43% combined) related to campaigning, strike building and strike action as ‘social media can, given a good organization, high interest and a lot of resources, serve as protest-co-ordination and organization tools’ (Fuchs, 2014:186). Specifically referring to strikes, given the negative portrayal of trade union action in traditional media (Manning, 1998), UCU have clearly taken the opportunity to use their Twitter page to promote evidence of their actions. During strike periods, the union are more active on Twitter, and posted more retweets in an attempt to demonstrate some form of controlled interaction with followers (Fowler and Hagar, 2013).

Given that social media platforms are said to increase opportunity for interaction and engagement between users (Boyd and Ellison, 2008), we would have expected to find more than 108 tweets in the Engagement category (representing only 6.69% of all tweets during the data period). This paper analyses tweets sent by the official account of the national union and as such we are unable to fully comment on the existence of distributed discourse in
UCU’s use of social media. As noted above, Web 2.0 technologies theoretically enable distributed discourse to exist, however unions can use the technology to stifle debate in a manner similar to the points made about Web 1.0 (Martinez Lucio, 2003; Martinez Lucio and Walker, 2005; Martinez Lucio et al, 2009). In support of this, we note the lack of conversation tweets sent by the union (4.77% of all tweets). The main conduit of engagement, the raison d’etre of social media for organisations, was via retweets (64.02%), which utilised others’ posts, whereas their own tweets were somewhat uni-directional. Hashtags are another feature of Twitter designed to increase interaction around a specific topic or theme (Tinati et al, 2014:668). UCU used a large number of hashtags (n=1,293) yet 63.11% of these were #fairpayinhe. We note here that not all posts to the hashtag were collected in our dataset and are therefore unable to comment further about the impact of the hashtags used by the union on broader engagement.

During non-strike periods (i.e., periods of normal tweet activity), the union uses social media as an online noticeboard to disseminate information, much in the same way as unions first used websites (Freeman, 2005). This is perhaps not surprising as Fuchs (2014:193) found that the majority of political postings on Twitter were information based, and that ‘Twitter communication mostly consists of one-way comments’. Thus, the News category accounted for 18.14% of all tweets.

Returning to the final research question, of the 12,301 followers, 40.76% (n=5,014) were categorised into groups relevant to the union. As mentioned earlier, the level of engagement of UCU with followers via Twitter is minimal, with little interaction beyond retweeting. It is evident that very few users self-identified as members or officials (0.42%), which in some ways is unsurprising as academics have been argued to ‘view themselves as “professionals” who are “above” engagement in industrial action’ (Willmott, 1995:1002). However this is in sharp contrast to the volume of tweets whereby users identified themselves taking strike action described above. Additionally, a surprisingly small number of accounts identified as
students and student organisations (7.27%) given the number of tweets aimed at generating student support for UCU action. Furthermore, very few (2.61%) followers could be identified as a university or college, which given the sector the union organises, was unexpected.

More broadly, there were five important issues identified when coding audience members. First, users can actively select the ‘self’ they wish to present in social media, so any individuals may choose not to self-classify, or write a personal ‘bio’, or may self-identify with a different persona (Bullingham and Vasconcelos, 2013). For example, a user may be a union member, but not identify as one online, selecting to present themselves as an academic. This issue has been discussed by Moore and Taylor (2013), who noted the use of avatars and pseudonyms by Internet users for their account details makes it difficult to identify the reality of their identification. Table 6 shows that we were unable to categorise 40.61% of users for this reason. Second, users may have multiple accounts, so where multiple users may be expected to be reached, in reality only one user is reached. For example, some academics have a separate work and personal account, but both accounts follow UCU. Third, a number of accounts were no longer active, a problem acknowledged more widely by Twitter (Elder, 2013). Often, users of such accounts have not deleted them despite long periods of inactivity, and without a consistent indicator of inactive accounts, they could not be reliably removed before classification. Fourth, very few individuals identified themselves by demographic variables, thus descriptive results of such data cannot be presented. Finally, it is possible that some users have followed UCU on Twitter but do not actually use social media often – indeed it is impossible to say how many followers actually read messages posted by the union. These five issues draw us to one conclusion: the classification of audience members can only be a rough representation of the true audience, the validity of which is only improved through consistent, relevant coding.

In conclusion, we have presented one of the first detailed examinations of union use of social media in the UK and found that whilst UCU are using Twitter, they are not utilising the
full potential offered by Web 2.0. However, further research is needed to continue this line of investigation. Our data only looked at messages from the official UCU account and we are therefore unable to comment about the role of distributed discourse in the social media era. Clearly future research is needed in this area to examine messages to and from a union’s account. In a similar vein, it would be useful to analyse the extent to which hashtags lead to wider levels of engagement with unions, by analysing all posts containing specific hashtags posted from any account. Whilst we considered the extent to which the content of UCU’s messages were in-line with mobilisation theory, future research could also consider the potential for counter mobilisations by employers using the same technological platforms (see Upchurch and Grassman, 2015).

It is also necessary to widen this research to include other unions as we cannot assume UCU’s usage to be representative. For example, do professional unions use Twitter more than others? To what extent do unions engage with young workers through social media? How does union use of social media differ for other technological platforms (i.e., Facebook, YouTube)? It would be useful to investigate in more detail the extent to which social media audiences actively engage with union posts. Thus, we present these issues as the beginning of a research agenda to build upon our findings in this paper. Despite these questions, we complement the work of Panagiotopoulos, (2012) and Panagiotopoulos and Barnett (2014), and make a considerable contribution to understanding how trade unions use social media.
References


