measure with the position-micrometer the angle formed by the two
well-defined edges, but the comet would not bear any illumination
of the wires, so I inserted a thick wire (made of a horse-hair)
which I could see plainly against the sky, and by this I made
the angle 86 degrees ±. Definition was exceptionally good, the
data entry in my observatory-book being "β Cygni clearly split."

Keele, Newcastle, Staffordshire, Dec. 2, 1871.

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Observations of Tempel's Comet (1871, Nov. 3), at Mr. Bishop's
Observatory, Twickenham. By J. R. Hind, F.R.S.

<table>
<thead>
<tr>
<th>Twickenham M.T.</th>
<th>R.A.</th>
<th>N.P.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov. 8</td>
<td>5 47 34</td>
<td>18 59 50.07</td>
</tr>
<tr>
<td>9</td>
<td>6 9 24</td>
<td>18 40 17.80</td>
</tr>
<tr>
<td>10</td>
<td>5 51 29</td>
<td>18 40 43.95</td>
</tr>
<tr>
<td>12</td>
<td>5 52.38</td>
<td>18 41 38.70</td>
</tr>
</tbody>
</table>

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Post-perihelion Places of Tempel's Comet, calculated from
Mr. Hind's Elements. By Mr. W. E. Plummer.

<table>
<thead>
<tr>
<th>Ch G.M.T.</th>
<th>R.A.</th>
<th>N.P.D.</th>
<th>Log. Δ</th>
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</thead>
<tbody>
<tr>
<td>1871, Dec. 21</td>
<td>281:50</td>
<td>139:55</td>
<td>0:1340</td>
</tr>
<tr>
<td>1872, Jan. 6</td>
<td>277:23</td>
<td>151:21</td>
<td>0:0786</td>
</tr>
<tr>
<td>14</td>
<td>273:2</td>
<td>157:20</td>
<td>0:0342</td>
</tr>
<tr>
<td>22</td>
<td>264:14</td>
<td>164:8</td>
<td>9:9795</td>
</tr>
<tr>
<td>30</td>
<td>233:30</td>
<td>171:28</td>
<td>9:9171</td>
</tr>
<tr>
<td>Feb. 7</td>
<td>151:8</td>
<td>168:55</td>
<td>9:8546</td>
</tr>
<tr>
<td>15</td>
<td>126:16</td>
<td>153:7</td>
<td>9:8108</td>
</tr>
<tr>
<td>23</td>
<td>119:40</td>
<td>133:24</td>
<td>9:8165</td>
</tr>
<tr>
<td>Mar. 2</td>
<td>117:22</td>
<td>115:1</td>
<td>9:8597</td>
</tr>
<tr>
<td>10</td>
<td>116:46</td>
<td>100:59</td>
<td>9:9370</td>
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<tr>
<td>18</td>
<td>117:4</td>
<td>91:11</td>
<td>0:0199</td>
</tr>
</tbody>
</table>

On Feb. 15 the intensity of light is three times that at the
date of the Comet's discovery, and on March 10 it is precisely the
same. The Comet may be again observed in Europe in March.

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Elements and Ephemeris of Tempel's Comet.
By J. R. Hind, F.R.S.

The following elements are founded upon an observation by
Dr. Wunnecke at Karlsruhe on Nov. 5, and two observations at
Mr. Bishop's Observatory on Nov. 8 and 10.

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