

2. Here are the headers and message body together, of a mass mailed spam email. The first Received: "paragraph" is forged (remember to read this last-to-first). That is, it was inserted by the spammer's email sending program into the headers, ahead of the first real hop.

What to look for? The spammer set his mailing program to insert this faked line to correctly read the time to be one hour different and one time zone away from the real first hop, but forgot to change the date.

```
Received: from f05n09.cac.psu.edu (r02a08.cac.psu.edu [146.186.15.18])
  by seawolf.aset.psu.edu (8.9.3p2.1/8.9.3) with ESMTMP id QAA1437756
  for <xxx@email.psu.edu>; Wed, 3 Dec 2003 16:40:49 -0500
Received: (from daemon@localhost)
  by f05n09.cac.psu.edu (8.9.3p2.1/8.9.3) id QAA256286
  for xxx@email.psu.edu; Wed, 3 Dec 2003 16:40:36 -0500
Received: from wiley-197-68346.roadrunner.nf.net (wiley-197-
68346.roadrunner.nf.net [205.251.233.5])
  by f05n09.cac.psu.edu (8.9.3p2.1/8.9.3) with SMTP id QAA318728;
  Wed, 3 Dec 2003 16:40:09 -0500
Received: from [69.33.16.227] by wiley-197-68346.roadrunner.nf.net with ESMTMP
id 00928511; Fri, 21 Nov 2003 15:39:09 -0600
Message-ID: <6gf93$i314w-$dw3-$4@2y97tg211>
X-PH: V4.1@f05n09
From: "Joyce Xiong" <xpi06dy@yahoo.com>
Reply-To: "Joyce Xiong" <xpi06dy@yahoo.com>
To: xxx@psu.edu
Cc: <xxx@psu.edu>, <xxx@psu.edu>
Subject: Tramadol.l Xanax.x Vicodin.n Valium.m m
Date: Fri, 21 Nov 03 15:39:09 GMT
X-Mailer: QUALCOMM Windows Eudora Version 5.1
MIME-Version: 1.0
Content-Type: multipart/alternative;
  boundary="ED_8._.F_75._8"
X-Priority: 3
X-MSMail-Priority: Normal
Content-Type: text/plain;
```

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