To Catch a Song Thief: Inside the Anti-Pirate Patrol

BY CATHERINE RAMPELL

o snag college students trading copyrighted songs online, the Recording Industry Association of America uses

the same file-sharing software that online pirates love. An RIAA representative recently gave a private demonstration of the program to *The Chronicle* at the organization's offices in Washington.

The employee also said that, contrary to claims by campus administrators, the group does not use this software to single out specific colleges. He spoke only on condition of anonymity because of concern that he would receive hate e-mail messages.

One way the association identifies pirates, the official explained, is with LimeWire, a peer-to-peer file-sharing program that is free online and used by many college students. (A more robust version of the program is sold for a small fee.)

Here is how the process...

works: The RIAA maintains a list of songs whose distribution rights are owned by member companies. It has given that list to Media Sentry, a company it hired to search for online pirates. Media Sentry runs the LimeWire program and performs searches for the copyrighted song titles, one by one, to see if any are being offered via computers connected to the LimeWire network. For popular songs, the searches can turn up dozens, if not hundreds, of hits. A search on Madonna's latest release, "4 Minutes," turned up more than 100 users trading copies of the song.

The LimeWire software allows users who right-click on any song entry and choose "browse host" to see all of the songs that a given file sharer is

How to Find Music Pirates

The Recording Industry Association of America uses file-sharing software like LimeWire, shown here, to catch college-based users who offer copyrighted songs for download.

Part of the Control of the Contr

ord of a download at the named IP address at the specified time. Association officials say that is because RIAA investigators performed only a "handshake."

PAY UP OR BE SUED

In major cases, the association sometimes sends out "prelitigation settlement letters," which ask alleged infringers to cough up several thousand dollars in lieu of going to court and potentially facing a much more expensive punishment.

Before sending out the settlement letters, Media Sentry investigators always download music files believed to be infringing on licensed songs. Staff members then listen to those songs to verify that the files are infringing. A letter goes out to the college with the date and time when investigators saw that the song was available for sharing.

While the process for generating notices and letters is largely automated, the RIAA says that before each warning is sent, a full-time

employee reviews the case to make sure that the claim is legitimate and that the alleged pirate is in the United States. Because of the speed and ease of the automated process,

though, the association is "able to identify hundreds of instances of infringement on a daily basis," says a spokeswoman, Cara Duckworth. She acknowledges that the group can tell only when a song is being offered for users to illegally download; investigators have no way of knowing when someone else is actually downloading the song.

The organization does not perform similar automated investigations for file traders on commercial Internet-service providers, which are tocol addresses of active file sharers. (An IP address is a unique number. assigned by Internet-service providers, that identifies every connection to the Internet.) While the names of the people associated with particu-

lar IP addresses are not public, it is

easy to find out which addresses are

registered to each provider. Using

offering to others for download. The

software also lists the Internet-pro-

the college to remove infringing content from its network. TAKE IT DOWN

In collecting evidence for those

The industry association's first

step against what it sees as campus

piracy is usually to send a take-

down notice, based on the Digital

Millennium Copyright Act, asking

networks. Investigators can then ask colleges to identify the individuals. The process mimics how pirates themselves locate files, but with a significant difference: speed. Media Sentry has automated the process

the information to the RIAA.

"hash" of each offered file, a sort of unique digital fingerprint, to verify that it is identical to a copyrighted song file in the RIAA's database. In the rare cases in which the hashes don't match, the investigators download the song and use a software by using scripting software that program sold by Audible Magic to types in the songs, grabs the IP adcompare the sound waves of the ofquestioned the validity of some of fered audio file against those of the these takedown notices. Those ofdresses, checks them, and forwards

song it may be infringing upon. If

If there is a match, Media Sentice program we have right now is try investigators then engage in a solely university-focused," said the so-called TCP connection, or an anonymous employee. "We're tryelectronic "handshake," with the ing to make universities aware that

the Audible Magic software still

doesn't turn up a match, an RIAA

computer that is offering the file to

verify that the computer is online

and is ready to share the song.

staff member listens to the song.

With that information, the association sends a letter to the college asking that the song be removed. The letter lists the name of the file and the date and time when Media Sentry investigators saw it available online. (State lawmakers are

also beginning to push colleges to take action against alleged student pirates. See article on Page A4.) On e-mail lists and in interviews. some college administrators have

ficials say they do not have any rec-

academic institutions to be "made examples of." "We have no capability of targeting any school at all," said the RIAA representative, who argued that campus administrators mistakenly think that individual col-

leges get picked on. "We find what

we find with this process, and that's

what we send to schools."

not operated by colleges. All notices

sent to commercial Internet-service

they have an issue with peer-to-

peer file sharing on their network,

and so we don't send automated no-

"The automated takedown-no-

providers are processed manually.

public, online databases, like those takedown notices. Media Sentry tices to commercial ISP's, I think at arin.net or samspade.org, Media investigators do not usually downbecause they are generally aware load suspect music files. Instead the Sentry locates the name of the Inthat there's a problem." ternet-service provider and detercompany uses software to check the The music-industry association mines which traders are on college says it does not select particular