Thanks to Jayhawker63 for sharing the show at The Traders' Den.

Jayhawker63 noted:

[In some versions], parts of the broadcast were edited. This version is supposed to be complete.

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Might be the complete broadcast but incomplete show. Missing tracks:
Why Does It Hurt When I Pee? 2:48
The Illinois Enema Bandit 11:55
King Kong (q: Auld Lang Syne) 11:01
Auld Lang Syne 2:38

Lineage:
Source: FM - WNEW (broadcast)
CD > ripped to 16 bit WAVE w/EAC > encoded to FLAC (level 6) w/TLH
Disc 1
01. Black Napkins 6:57
02. Montana 3:42
03. Easy Meat 6:57
04. Society Pages 2:07
05. I'm A Beautiful Guy 1:45
06. Beauty Knows No Pain 2:42
07. Charlie's Enormous Mouth 3:34
08. Fine Girl 4:26
09. Teenage Wind 3:06
10. Harder Then Your Husband 2:36
11. Bamboozled by Love 5:38
12. Sinister Footwear 7:01
13. Stevie's Spanking 6:02
57 mins

Disc 2
01. Cocaine Decisions [fades in] 3:34
02. Nig Biz 5:19
03. Doreen 2:09
04. Goblin Girl/Black Page 9:03
05. Tryin' To Grow A Chin 2:32
06. Strictly Genteel 5:13
07. Strictly Genteel (contd?) / FZ speaks 1:29
08. The Torture Never Stops 11:45
41 mins

Frank Zappa - guitar, vocals
Ed Mann - percussion
Tommy Mars - keyboards
Robert Martin (Bobby) - keyboards, tenor saxophone, vocals
Scott Thunes - bass, vocals
Steve Vai - guitar
Chad Wackerman - drums
Ray White - guitar, vocals