

Grateful Dead
Clarence S. "Hec" Edmundson Pavilion
University of Washington
Seattle, WA
5/21/74

Recorded by Donn Amick: Sony ECM mics → Sony TC-126 stereo cassette deck

Transcription Pathway:

Maxell XLII-90 cassettes (unknown generation) → Nakamichi DRAGON (no Dolby, EQ 120 μ sec) → ADC Sound Shaper Two Mk II stereo frequency equalizer → Edirol UA-5 T-MOD PLUS (custom-modified by the Oade Brothers) (driven by MME, in advanced mode; set to Red Book Standard for LPCM streaming) → USB 2.0 → Audacity 1.2.6 (set to 32-bit float/44.1kHz resolution for recording LPCM stream; set to Red Book Standard and, with snap-to on, to cdda min:sec:frames 75 fps for cutting tracks on sector boundaries and exporting them as .wav's)

Transcribed by George M. Prescott Jr. on October 14, 2010
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Set I

Disc One

01	Me and My Uncle	03:04	03:04
02	Brown-Eyed Women	04:55	08:00
03	Beat It On Down the Line	03:24	11:24
04	Deal	04:46	16:11
05	Mexicali Blues	03:29	19:40
06	It Must Have Been the Roses	05:28	25:08
07	The Race Is On	03:00	28:08
08	Scarlet Begonias	05:29	33:38
09	El Paso	04:16	37:54
10	Row Jimmy	08:44	46:39
11	Money Money	04:40	51:19
12	Ship of Fools	06:12	57:31
13	Weather Report Suite →	17:43	75:14
14	China Doll	05:34	80:50*

Set II

Disc Two

01	Playin' in the Band	47:01	47:01
02	U.S. Blues	05:42	52:43
03	Big River	04:59	57:42
04	Stella Blue	08:32	68:14

Around and Around (missing)

Disc Three

05	Eyes of the World →	14:14	14:14
06	Wharf Rat →	10:01	24:15
07	Sugar Magnolia	10:05	34:20

Encore

08	Johnny B. Goode ↓	03:50	38:10
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*Can be overburned with EAC on a 700MB/80-min. CD-R following capacity test.

Technical Notes:

The dub was recorded on Nakamichi MR-2's by the person who provided the source cassettes. Unfortunately, the recording levels are less than optimal: the left channel averages at -5 dB, while the right channel averages at 0 dB. This imbalance could not be compensatorily corrected, as the Edirol's input-level control is unitary across both channels for unbalanced analog inputs, precluding individuated left-channel and right-channel gain adjustments. Still, the amplitude differential is slight, and creates no phase problems. The underrecording yielded prominent tape hiss; this was greatly reduced by using an analog EQ with a sharp roll-off at 9kHz and no output at 16kHz. Careful comparative listening revealed no phase-shift or artifacts due to EQ.

The binaural source has real presence; both the wall and the hall ring true. This recording features fuller vocals, deeper bass response, and less reverb than does the circulating stereo audience recording made by Pat Lee (which is excellent). This recording is free from the constant crowd chatter that mars that recording; those songs on that master that are missing their opening notes are intact here. (The occasional handclapping is mildly distracting; the lusty screams from the crowd are welcome.) Tonal range and timbral accuracy are quite good; Keith's piano, Billy's cymbals, and Jerry's leads cut through nicely. Still, at times, the sound here verges on distortion.

Occasionally, there are instances when it sounds like the taper inadvertently depressed the pause button, causing momentary pitch-slippage. There are also intermittent crackles and static, several recording-equipment glitches and tape dropouts, and some hotspots. None of these anomalies lasts very long.

Two songs, "Playin' in the Band" and "Sugar Magnolia," are each missing three seconds of music due to possible tape-flip gaps. These gaps were removed (and the remaining ends were spliced); they have not been patched.

Two songs were pretermitted: "Playin' in the Band" and "Johnny B. Goode." (This was not due to tape run-out on the dubs; there is blank tape after these songs.) The final fourteen seconds of "Playin'" have been inartfully tacked on from Charlie Miller's masterly transcription of Pat Lee's masters, ShnID-98822. The encore cuts during the final note and was not patched.

No digital pitch-correction, noise-reduction, or sound-adjustment algorithms were used in this transcription.

Known Flaws (flawless tracks not listed; **major flaws in boldface**):

Disc One

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|----|--------------------------------|---|
| 01 | "Me and My Uncle": | 01:19 minor glitch;
01:39 volume ↓, tone darkens |
| 03 | "Beat It On Down the Line": | 00:37 minor glitch |
| 04 | "Deal": | 00:42 minor glitch;
02:58-02:59 vocal hotspot |
| 05 | "Mexicali Blues": | Jerry flubs chord 00:51; 01:50 static |
| 06 | "It Must Have Been the Roses": | 01:30, 01:43, 04:22 vocal hotspots |
| 07 | "The Race Is On": | Jerry flubs chord 00:13 |
| 08 | "Scarlet Begonias": | 01:45, 03:29 minor glitches;
03:43 vocal hotspot |
| 09 | "El Paso": | 01:30 minor glitch;
03:17-03:18 pitch-slippage; 03:44 static |

- 10 "Row Jimmy": Jerry flubs chord 06:34; 03:38 dropout;
05:30 vocal hotspot;
07:10 pitch-slippage;
07:39 minor glitch ;
08:05-08:06 pause w/music missing;
08:25-08:44 channel-chop at run-out
- 11 "Money Money": 00:20 volume ↓; 01:12, 01:28 minor glitches;
02:12, 03:07 hotspots;
03:13, 03:44 minor glitches
- 12 "Ship of Fools": Jerry flubs chord 00:45;
00:32, 02:15 vocal hotspots;
04:42, 05:40 minor glitches
- 13 "Weather Report Suite": 07:10 minor glitch; 12:11 dropout;
12:55 tone darkens
- 14 "China Doll": 02:28 minor glitch

Disc Two

- 01 "Playin' in the Band": 02:49 tone darkens (possible pre-dubbing
engagement of Dolby B or change in bias or EQ);
02:52 minor glitch; 10:09, 16:04 static;
16:55 minor glitch; 19:53-19:55 pitch-slippage;
21:01 possible tape-flip gap w/music missing;
28:34-28:37 dropouts;
30:54, 30:58 pauses w/pitch-slippage;
31:12, 31:16 pauses w/pitch-slippage;
34:26 equipment glitch;
37:26 pause w/pitch-slippage;
37:31-37:33 pause w/music missing;
42:38, 42:57 minor glitches;
46:11, 46:30 minor glitches;
46:47-47:01 patched w/ShnID-98822 (Lee/Miller)
- 02 "U.S. Blues": 00:54 minor glitch; 00:57 static;
05:24 minor glitch
- 04 "Stella Blue": 01:12 minor glitch; 02:13 pitch-slippage

Disc Three

- 01 "Eyes of the World": Jerry flubs chord 01:16; 07:47 minor glitch;
12:33-12:34 pitch-slippage; 13:52, 13:57 static
- 02 "Wharf Rat": 03:35 minor glitch; 03:57 equipment glitch;
04:30 vocal hotspot;
05:15, 07:55-07:58 minor glitches;
09:40 pitch-slippage
- 03 "Sugar Magnolia": **01:53 possible tape-flip gap w/music missing;**
02:25 minor glitch; 03:05-03:10 pitch-slippage;
03:32, 05:42, 07:44-07:45 minor glitches;
08:10 distortion
(not from dubbing or transcription)
- 04 "Johnny B. Goode": 00:45-00:50 vocal hotspots; 01:00 static;
01:20-01:33 vocal hotspots; 02:31 minor glitch;
03:27, 03:32, 03:36 minor glitches;
03:50 final note cuts out

Post-Transcription Tools:

Rounded track timings courtesy of Exact Audio Copy CD Layout Editor V0.99.

Sector boundary errors were detected in "Playin' in the Band," and were repaired by post-padding with Trader's Little Helper v.2.6.0.168.

SBE-free .wav verification and .st5 .wav checksums courtesy of TLH.

Lossless FLAC encoding with tags and verification by FLAC frontend v.1.7.1.

FLAC .ffp and .md5 post-encoding checksums courtesy of TLH.

File-integrity check and problem-free verification courtesy of shntool 3.0.4.

Enjoy!