

APPENDICES

APPENDIX 1

Data Findings of the Types of Speech Dysfluencies and Associated Behaviors of Stuttering Experienced by Hal Hefner Portrayed in *Rocket Science*
Note:

NO	: Datum Number	RISS	: Repetitions of Individual Sounds and Syllables	AIE	: Audible Inhalations and Exhalations
00:07:53	: Minutes	PS	: Prolongations of Sounds of Sounds	VMT	: Visible Muscle Tension
IN	: Interjections	BL	: Blocks (Silent Pause)	EB	: Eye Behaviors
PR	: Phrase Repetitions	MOR	: Monosyllabic Whole-Word Repetitions		
REV	: Revisions	HTLM	: Head, Torso, and Limb Movements		
MUR	: Multisyllabic Whole-Word Repetitions				

NO	CODE	UTTERANCES	Types of Speech Dysfluencies								Associated Behaviors of Stuttering				EXPLANATIONS
			Between-Word Dysfluencies				Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalations and Exhalations	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole-Word Repetitions	Repetitions of Individual Sounds and Syllables	Prolongations of Sounds of Sounds	Blocks (Silent Pause)	Monosyllabic Whole-Word Repetitions					
01	BL/ AIE-EB/ 00:07:53	(Hal back to school by school bus, in the bus he speaks alone to practise his speech when he will asks the pizza in the break time at school). HAL HEFNER: I'll just have the... ^{BL} just the.. ^{BL} just the just the pizza, thanks.							√			√		√	When starting his speech, he gets a silent pause in the word <i>the</i> . When he speaks, he avoids eye contacts with his friends in the bus. He also gulps when he tries to get the word out.

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			Between-Word Dysfluencies				Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalations and Exhalations	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole-Word Repetitions	Repetitions of Individual Sounds and Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole-Word Repetitions					
02	BL/ VMT-EB/ 00:08:49	(In the break time of the class, Hal goes to the canteen. He wants to ask the pizza for his lunch but he gets difficulty to get the word pizza out). PLAINSBORO LUNCH LADY: Fish or Pizza? HAL HEFNER: I'll have the... ^{BL}							√				√	√	Hal wants the pizza. He gets a block when he wants to continue his utterance. When he blocks, his jaw jerks, and he avoids eye contacts with plainsboro lunch lady.
03	IN-BL-MOR / AIE-VMT-EB./ 00:08:53	PLAINSBORO LUNCH LADY: (Ask again to Hal) The pizza's plain or pep. Fish is... not sure. Like general fish. HAL HEFNER: Yeah, I'll have the... ^{BL} the ^{MOR} the ^{MOR} the ^{MOR-BL} ,uh ^{IN} the ^{MOR} the ^{MOR} not... ^{BL} not ^{MOR} the... ^{BL} I'll just ^{BL} just ^{MOR} just... ^{MOR-BL}	√						√	√		√	√	√	Hal gulps, his jaw jerks, avoids eye contacts, and blinks his eyes when he experiences blocks, monosyllabic whole-words repetitions, and interjections.
04	BL/ EB/ 00:09:12	PLAINSBORO LUNCH LADY: (asks again to Hal) The Fish? HAL HEFNER: the general fish... ^{BL} please.							√					√	When Hal gets blocks, he blinks his eyes and avoids eye contacts with Plainsboro lunch lady.

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			Between-Word Dysfluencies				Within-Word Dysfluencies			Head, Torso, and Limb Movements	Audible Inhalations and Exhalations	Visible Muscle Tension	Eye Behaviors	
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05	BL/ HTLM-EB/ 00:09:55	<i>(The speech therapist gives treatment to Hal and Honoria)</i> SPEECH THERAPIST: <i>(He practises Hal and Honoria breathing exercises)</i> . Do you want to keep on trying the breathing exercises or something new? HAL HEFNER : Is it all right if I... ^{BL} if I don't have an opinion?						√		√			√	Hal blinks his eyes, avoids eye contacts, and moves his feet when experiencing all the stutters in this utterance.
06	BL/ HTLM-EB/ 00:10:06	SPEECH THERAPIST: Let's try this. I read in this journal, "Clinical Pathway to Speech Pathology," that it's hard to be anything but fluent when you whisper or sing. I sent away for a videotape of some people trying that out. Not a solution, obviously, but wanna give it a shot? HAL HEFNER: I can't... ^{BL} I can't I can't I can't do this. Isn't this too stupid, Honoria? Even for Honoria. This is too stupid. I can just feel it. I explained this, Hal, that this is not my specialty. SPEECH THERAPY: I'm sorry, I'm trying. It's really a shame that you're not hyperactive, because that I know well. And that I can work miracles with... hyperactivity. But... back to breathing. Yeah? Breathe. Good, come on.						√		√			√	Hal blinks his eyes, avoids eye contacts, and nods his head when experiencing all the stutters in this utterance.

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			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole-Word Repetitions	Repetitions of Individual Sounds and Syllables	Prolongations of Sounds of Sounds	Blocks (Silent Pause)	Monosyllabic Whole-Word Repetitions					
07	IN-BL-MOR/ HTLM-VMT-EB/ 00:08:49	<i>There is a discussion class in the hall room which are followed by Hall's classmates. When the discussion class begins, the teacher who acts as Abraham Lincoln points Hal answer and express his idea in front of his classmates.</i> ABRAHAM LINCOLN: <i>(begin to ask Hal who stands up near with her)</i> What cannot a house divided against itself do? It is this argument that will lead me to victory. HAL HEFNER: What cannot it do? Uh ^{IN} it ^{BL} it... ^{MOR-BL}	√						√	√	√		√	√	Hal blinks his eyes, avoids eye contacts, and gulps when experiencing all the stutters in this utterance. Moreover, he holds his breath and his jaw jerks when getting stutters.
08	BL/AIE-VMT-EB/ 00:12:44	<i>(The teacher who acts as Abraham Lincoln asks again to Hal).</i> ABRAHAM LINCOLN: Hold it further away from your mouth. What cannot a house divided do? HAL HEFNER: It can't... ^{BL} can't can't can't Mr. President... ^{BL} a house divided can't... ^{BL}							√			√	√	√	Hal blinks his eyes and avoids eye contacts when speaking (only once when he says “Mr. President,” he looks at the teacher who acts as Abraham Lincoln). When he gets stutters, he also gulps, his jaw jerks, and holds the breath.

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			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole-Word Repetitions	Repetitions of Individual Sounds and Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole-Word Repetitions					
09	REV-BL /AIE-EB/ 00:13:58	(At the school bus, Earl invites Hal to speak and listen with him). EARL: Agnes. Agnes. Agnes. Agnes. HAL HEFNER: I'm trying not to listen, okay? Distinctly not to... ^{BL} you're like one foot away ^{REV} , so just... ^{BL}			√				√			√		√	Hal blinks his eyes and avoids eye contacts when experiencing all the stutters in his utterance
10	REV- BL-MOR/ EB/ 00:14:14	Earl asks again to Hal. EARL: Do you wanna hear your problem? You've no agenda. Strictly head-in-the-ground material. Look at me. Look at me. I wake up every morning and what do I do? I create an agenda for the day, which is a sub-agenda for the month, which is in itself a pie sl...which is in itself a pie slice of my agenda for life. Do you want to hear my purpose for today? HAL HEFNER: 1... ^{BL} uh ^{IN} 1... ^{BL} no. 1 ^{MOR} 1 ^{MOR} 1 ^{MOR} can assure you that I absolutely do not.	√						√	√				√	Hal blinks and avoids eye contacts when he gets a block, revision, and repeats the monosyllabic whole-word repetitions.

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			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole-Word Repetitions	Repetitions of Individual Sounds and Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole-Word Repetitions					
11	BL/EB/00:15:35	<p>(Ginny asks to Earl to sit down in her seat because she wants talks with Hal).</p> <p>GINNY: Coach Lumbly, with the pilgrim hat, she teaches patterns of adult living. She's on her third husband, name of Wallace Lumbly. Wallace III. It's a particular pattern she doesn't lecture us on in class. Anyway, she came up to me after a presentation on egalitarianism and said that although my argumentative skills were at the fetal stage, she sensed, somehow she intuited my potential and she invited me on the team. So now here I am two years later doing the same thing with you... recruiting, ferreting out the debating talent from the masses. That's you. I've ferreted you.</p> <p>HAL HEFNER: You mean...^{BL} you mean public speaking? Like, speaking...^{BL} in public? No, I don't think that's...^{BL} that's not...^{BL} that's not very...^{BL}</p>						√				√	Hal sometimes blinks his eyes and avoids eye contacts when speaking with Ginny.		

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12	IN/ EB/ 00: 18: 55	(Heston is lying down on the sofa and he begins to speak with Hal) HESTON: My dad hasn't dated anyone before your mom for six years. HAL HEFNER: Can, uh ^{IN} can we just not talk about that? HESTON: I got this by a tree stump in the park. Look at this one (shows Hal a nude male picture in the calendar)	√											√	Hal avoids eye contacts when experiencing interjection in his utterance.
13	BL/ 00:21:16	(Hal bikes in the street in front of the Ginny's house, the little man namely Lewis Garrles who lives across the street of Ginny's house is out from his house and talks to Hal). LEWIS GARRLES: You're on my street. You're still on my street. HAL HEFNER: Do you... ^{BL} do you have any idea what public property is? LEWIS GARRLES: We'll see.							√						When experiencing his blocks and phrase repetition, Hal does not show any associated behaviors.

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14	IN- BL-MOR/ 00:22:06	(Lewis and Hal enter to Lewis's House and Lewis's parents are in the livingroom playing the musical instrument). LEWIS'S MOM: Hi. You want to sit down and listen to an old couple work on their marriage through some music therapy? I'm upstairs! HAL HEFNER: Uh ^{IN} uh ^{IN} uh ^{IN} , no thanks. Not... ^{BL} not ^{MOR} not ^{MOR} today.	√						√	√					When experiencing his stutters, Hal does not show any associated behaviors.
15	IN/EB/ 00:22:45	(Hal and Lewis sit down and enjoy drinking near the window seeing to Ginny's house. Then a man comes to Ginny's house). HAL HEFNER: Who, uh ^{IN} who is that? Beats me. LEWIS GARRLES: Hey, do you know if she wears a bra?	√											√	Hal avoids eye contacts when he interjects the sound <i>uh</i> .
16	IN-BL-MOR /EB/ 00:23:06	LEWIS GARRLES: Wanna see a bra? (Lewis takes a bra under his bed and he shows it to Hal). HAL HEFNER: Yeah, uh ^{IN} I should... ^{BL} I should really... ^{BL} I should... ^{BL} should ^{MOR} I should really probably go home now, Lewis. Okay.	√						√	√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.

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17	IN-BL / EB/ 00:23:46	(Asks to Judge Pete who is sitting down on the floor with Hal's Mom.) HAL HEFNER: Do you... ^{BL} know any, uh ^{IN} do you know any lawyers... ^{BL} great lawyers who can't talk very well? Not... ^{BL} not fluent, but yet great lawyers whose clients don't end up getting the chair? JUDGE PETE: Uh...Oh, there's a bailiff with a prosthetic leg (laughing loudly)	√						√					√	When having interjection, Hal loses eye contacts for a little while.
18	IN- BL-MOR / EB/ 00:24:24	(Hal runs Ginny who is walking alone in the school coridor) HAL HEFNER: Hi. I, uh ^{IN} I talked to Ms... ^{BL} to Mrs... ^{BL} which is it, anyway? To... ^{BL} to ^{MOR} uh ^{IN} to the coach, and, um ^{IN} I'm I'm I'm gonna come inside for debate prep now, uh ^{IN} , thanks to you. GINNY: Someone took something of mine. I had a locket. I had a 24-karat gold deco locket with two pictures inside. Is this ringing any bells? One was of me, the other was of someone else...a boy, of sorts.	√						√	√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.

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19	BL-MOR/ 00:24:56	HAL HEFNER: What's a... ^{BL} a ^{MOR} deco? GINNY: My mother believes that one of her pseudo friends stole it, because he, or even she, is secretly a pedophile and wanted the locket to stare into or suck on or utilize for other specific erotic purposes. But I told her that I have this hunch... I have this womanly hunch that it was taken out of my backpack by someone at P.H.S. It's like I sensed it leaving my presence. Just an ounce... but a burning ounce as it left my person.							√	√					When experiencing blocks and the monosyllabic whole-word repetition, Hal does not show any associated behaviors.
20	IN-BL/ EB/ 00:25:20	HAL HEFNER: Well, I don't... ^{BL} I don't think that the pedophile thing could be true. Not that I, uh ^{IN} even really know anything about that. But, I just don't believe that anyone would really think of you like that. GINNY: Like what?	√						√					√	When interjects the sound <i>uh</i> , Hal avoids eye contacts with Ginny.

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21	IN/HTLM-EB/ 00:25:32	HAL HEFNER: I mean, just, uh ^{IN} sexually, I mean. GINNY: That's the worst thing anyone's ever said to me.	√							√			√	When interjects the sound <i>uh</i> , Hal avoids eye contacts with Ginny. Moreover, he also moves his hands.
22	BL/ 00:25:44	(Ginny feels angry angry and she leaves Hal) GINNY: I never should have asked you to join the team. God only knows what I was thinking. HAL HEFNER: But, I didn't... ^{BL} no... ^{BL}						√						When experiencing blocks, Hal does not show any associated behaviors.
23	BL-MOR/EB/ 00:27:11	(Hal goes to Ginny's house to come back her necklace which is stolen by Earl, he knocks the door and Ginny's Mom open the door for him). GINNY'S MOM: Yes? HAL HEFNER: I... ^{BL} here, I... ^{BL} I ^{MOR} stole it. (Gives Ginny's necklace to Ginny's Mom). GINNY'S MOM: Shouldn't you be at school? (Ginny's Mom accepts the necklace and before answering her question, Hal leaves hers).						√	√				√	When experiencing blocks and the monosyllabic whole-word repetition, Hal avoids eye contacts with Ginny's Mom.

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24	IN-BL/ AIE/ 00:28:28	(The phone rings up and Earl answer it, then he calls Hal because the call delivered to him). EARL: It's for you, Annabelle. (pick up the phone and calls Hal with a girl nick name, Anabelle). HAL HEFNER: (Hal picks up the phone and he feels really nervous and difficult to get the word out) Uh ^{IN} Uh ^{IN} he... ^{BL} uh ^{IN}	√						√					Hal gulps when experiencing all the stutters in his utterance.
25	IN-BL/ AIE/ 00:28:32	GINNY: Is this the Hefner mansion? HAL HEFNER: Um ^{IN} uh ^{IN} l... ^{BL} yeah ^{IN} uh ^{IN} can you... ^{BL} can you hold on for a second. I'm just gonna, um ^{IN} uh ^{IN} I'm just gonna move. But stay on. (Asks Ginny to wait a second because his brother, Earl wants to listen the conversation between Hal and Ginny on the phone) .	√						√		√			Hal gulps when experiencing all the stutters in his utterance.

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26	IN-BL/ HTLM/ 00:28:59	(Hal and Ginny continue their phones) GINNY: The boy whose picture I keep in the locket that you stole, did you see him? HAL HEFNER: Uh ^{IN} yeah ^{IN} he... ^{BL} GINNY: His name's Ben Wekselbaum. We debated together until he freaked out at the final round at States and left me with a lousy second-place trophy. I've never felt anything like that. Have you ever felt like you could burn the world down? HAL: Every day.	√						√					When experiencing interjections, Hal moves his hand.
27	IN- BL/ AIE/ 00:29:19	GINNY: Well, he dropped out of high school and though he never did have the decency to call, I heard through the grapevine that his grandmother got him a job at the world-renowned Louise dry-cleaners in Trenton. HAL HEFNER: I... ^{BL} yeah ^{IN} I don't think that I've ever heard of it.	√						√		√			Hal gulps when experiencing all the stutters in his utterance.

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28	IN-BL/ HTLM/ 00:29:31	GINNY’S MOM: <i>(Calls Ginny to end up the phone)</i> You're on dishes tonight, Virginia. GINNY: I'm on an important phone call, is what I'm on. GINNY’S MOM: They're all important calls in the world of Virginia Ryerson. GINNY: I have to go. I'll see you at my house on Saturday. You're helping me with research. HAL HEFNER: Yeah ^{IN} oh ^{IN} uh ^{IN} Ginny, are you... ^{BL} are you still there? <i>(The phone is ended up by Ginny).</i>	√						√					When experiencing interjections, Hal moves his hand.
29	IN-BL/ 00:30:39	<i>(Hal is in the Ginny’s room, he helps Ginny in the debate’s work).</i> HAL HEFNER: So, uh ^{IN} what do... ^{BL} what do you believe in when it comes to abstinence? GINNY: Top debaters never really believe in anything. It gets in the way of arguing from both sides.	√						√					When experiencing stutters, Hal does not show any associated behaviors.

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30	BL/ EB/ 00:31:39	HAL HEFNER: But I mean... ^{BL} like... ^{BL} for you... ^{BL} like in your own life. GINNY: Debate is life. You shouldn't think about it in any other context.							√				√	When having blocks, Hal loses his eye contacts for a little while.
31	IN-BL/ EB/ 00:31:47	HAL HEFNER: Because in my mind, I don't... ^{BL} I don't really think it's... ^{BL} a very good idea. Abstinence, I mean. Because, um ^{IN} I just... ^{BL} don't think it's a very good idea, not for kids in New Jersey. GINNY: (<i>Asks Hal to write everything that Ginny speaks</i>) Okay, well, that's enough tangential bullshit. Write down these template arguments against abstinence. (<i>Hal write the things that Ginny says</i>).	√						√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.
32	IN-MOR/ EB/ 00:32:43	GINNY: In preparation for our first official debate exercise next week show me that you can argue in favor of abstinence. HAL HEFNER: Well, um ^{IN} I think I may be better arguing from from ^{MOR} the other side of this.	√							√			√	When experiencing interjections and the monosyllabic whole-word repetition, Hal avoids eye contacts with Ginny.

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33	IN-BL/EB/ 00:32:57	GINNY: How. HAL HEFNER: Um ^{IN} the only one that I could... ^{BL} that I could really... ^{BL} that I could really come up with was... ^{BL} that... ^{BL} uh ^{IN} love is... ^{BL} it's more special when you... ^{BL} when you do find it. The special-love case. GINNY: Probably that stinks, but I'll think about it some more and we'll see.	√						√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.	
34	IN- BL/ EB/ 00:36:01	(The junior philosopher is in the library who is sitting down near Hal calls Hal) THE JUNIOR PHILOSPHER: Descartes. Man, oh man. Hey, would you be interested in joining my club? The Junior Philosophers. HAL HEFNER: Oh ^{IN} uh ^{IN} well, I uh ^{IN} l... ^{BL} my plate is kind of full.	√						√				√	When experiencing interjections and blocks, Hal avoids eye contacts with the junior philospher.	
35	IN/ EB/ 00:36:40	THE JUNIOR PHILOSOPHER: I know what you're thinking. We read everything, but no Hagel, if that's your concern. HAL HEFNER: No, uh ^{IN} actually I'm waiting for a girl. That girl (Hal points out Ginny who is walking toward him).	√										√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.	

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36	IN-BL/HTLM-AIE-VMT-EB/00:36:01	<i>(In the debate's class, Hal joins with Ginny's Team to fight another team, then coach lumbly asks Hal to speak up).</i> COACH LUMBLY: Now Hal Hefner wows us with his Second Affirmative, another eight-minute speech boiled down here to 10 seconds. HAL HEFNER: <i>(Hal stands up to speak up but it's so difficult to get the words out)</i> Uh ^{IN} Uh ^{IN} the... ^{BL} GINNY: <i>(She stands up and taje Hal's position to speak up and let Hal to sit down)</i> I'll be handling Hal Hefner's cross-ex and rebuttal until the first actual debate tournament against other actual schools. Until then, he will be my silent partner. Hal Hefner, sit down.	√						√		√	√	√	When he interjects the sounds <i>uh</i> in the first and second time, Hal feels difficult to get the word out. He loses eye contacts, gulps, his jaw jerks, and jerks his head and moves his hand. He still keeps those types of associated behaviors when he is in the long pause after saying the word <i>the</i> .

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			Between-Word Dysfluencies				Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole- Word Repetitions					
37	IN-BL-MOR/ EB/ 00:40:29	(Hal, Earl, and Heston are sitting down in the floor in front of the school. HAL HEFNER: Do you... ^{BL} do you guys, um ^{IN} do you know how... ^{BL} um ^{IN} how... ^{BL} how ^{MOR} you... ^{BL} or one... ^{BL} would take a relationship to the next level? EARL: I'm glad you came to me, because ... this is exactly the sort of problem that Mommy and Daddy would royally screw up. See, it's all about having an agenda, which they will never tell you. If you have a plan, like "today, I'm getting a blowjob," it helps you to realize it. It's all very scientific.	√						√	√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.
38	IN-BL-MOR/ EB/ 00:41:04	HAL HEFNER: Mm-hm ^{IN} Yeah ^{IN} I'm uh ^{IN} I'm... ^{BL} I'm I'm just a doubter that giving me a... ^{BL} a ^{MOR} BJ is high on Ginny's list. EARL: You're her partner, right? So you wait until the moment is right. Like after you crack a good... a really good joke, like the one that I crack about the Queen of England, and then ask. It is totally worth the risk. And you never know. Once you've had a blowjob, you'd understand. It's like.. it's like walking through a brick wall.	√						√	√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.

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39	IN- BL-MOR/ EB/ 00:41:40	HAL HEFNER: You know, Ginny said that I won't be her... ^{BL} her ^{MOR} um ^{IN} her real partner for months. And that until then, I'm like... ^{BL} the mascot. The disfluent mascot. The disfluent mascot who's not getting a BJ. HESTON: <i>(suddenly Heston interrupts to Hal)</i> Like the aardvark.	√						√	√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.
40	IN- BL/ 00:42:27	<i>(Hal is in the library to wait Ginny)</i> HAL HEFNER: <i>(asking to to the man who is reading near him)</i> Hey, uh ^{IN} can I... ^{BL} I just... ^{BL} JUNIOR PHILOSOPHER: What?	√						√						When experiencing all his stutters, Hal does not show any associated behaviors.
41	IN-REV.- BL-MOR/ HTLM-VMT-EB/ 00:42:36	HAL HEFNER: <i>(answer the question)</i> Oh ^{IN} , uh ^{IN} I just wanted... ^{BL} I wanted to try ^{REV} uh ^{IN} this joke out on you. It's... ^{BL} well... ^{BL} uh ^{IN} it's... ^{BL} well, the delivery is kind of tricky, so, What happens is that the Queen of England goes onto this... ^{BL} this ^{MOR} television show, and... ^{BL} JUNIOR PHILOSOPHER: Listen, I'm almost done with this chapter. It's Thomas Aquinas. But if you continue telling me that filthy joke, I'm gonna put this book down and punch you very hard.	√		√				√	√	√		√	√	When experiencing all his stutters, Hal jerks his heads, blinks his eyes, avoids eye contacts, and moves his hands.

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42	IN- BL-MOR/ EB/ 00:43:08	HAL HEFNER: You know, some... ^{BL} well, someday you'll find love and then... ^{BL} then ^{MOR} everything will be different. JUNIOR PHILOSPHER: (<i>Seeing Hal, silent, and give his middle finger to Hal</i>).							√	√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.
43	IN-RISS-BL/ EB/ 00:43:42	(<i>Hal goes to Ginny's house, he knocks the door and Ginny's Mom opens the door for him</i>). HAL HEFNER: Mas... ^{BL} mas ^{RISS} uh ^{IN} masturbation is a natural precursor of adult sexual development and it should be unfettered in a child's learning. Johnson, '98. GINNY'S MOM: Her plans changed. Virginia says to keep on working hard and she'll call you to let you know when you should come on over.	√					√		√				√	When he repeats the repetitions of individual sounds and syllables, he blinks and avoids eye contacts with Ginny's Mom.

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44	IN-BL/ EB/ 00:44:12	(Hall leaves Ginny’s house and comes to Lewis Garrles) LEWIS’S MOM:Hi, there. HAL HEFNER: Do you know... ^{BL} do you know if Ginny Ryerson is okay? Because she canceled our time today and we have a... ^{BL} we have a ^{PR} big tournament coming up,at Hazlet High School, and all the major Jersey schools will be there. And l... ^{BL} and, uh ^{IN} she hasn't... ^{BL} she hasn't ^{PR} really, uh ^{IN} told me what her strategy is gonna be to help me deal with my... ^{BL} with my ^{PR} speech. LEWIS GARRLES: (Speaks to Hal from the second floor of his home). She got into a Lincoln with that Indian guy.	√						√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.	
45	BL / EB/ 00:44:54	Hal comebacks again to Ginny’s house, and Ginny’s mom comes to meet him again). HAL HEFNER: So, she... ^{BL} but she's fine? GINNY’S MOM: Fine.							√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.	

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46	BL-MOR/EB/00:44:57	HAL HEFNER: You, could... ^{BL} will you just tell her that... ^{BL} that ^{MOR} I'm done and over with the masturbation defense? Tell her that, will you? Just assure her that I'm... ^{BL} that I'm that I'm that I'm done with masturbation and I'm ready to show her. GINNY’S MOM: You take care now.							√	√				√	When repeating the phrase “that I’m”, Hal avoids eye contacts with Ginny’s Mom.
47	IN-BL/ EB/00:45:16	(Hal’s family are having dinner HAL’S MOM: I told Judge Pete about all the fun you've been having with debate, and guess the news? Heston's a joiner. HAL HEFNER: Uh ^{IN} yeah ^{IN} um ^{IN} it’s... ^{BL} it's too late, Heston. The... ^{BL} um... ^{IN} the teams have all been settled.	√						√					√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.
48	IN-BL / HTLM-AIE-EB/00:46:03	(Hall phones Ginny and Ginny’s Mom hold his phone). GINNY’S MOM: Hello? Connie Ryerson speaking. HAL HEFNER: Uh ^{IN} GINNY’S MOM: Virgil? Is that you? HAL HEFNER: Uh ^{IN} ! Uh ^{IN} Uh ^{IN} uh ^{IN} uh, ^{IN} this is, uh, ^{IN} this, uh ^{IN} this is, uh ^{IN} this is Hal Hefner for, um ^{IN} for ^{BL} call... ^{BL} I’m... ^{BL} I'm calling for, uh ^{IN} G-I-N-N-Y ^{BL} Ginny. GINNY’S MOM: Hold the line.	√						√		√	√			When experiencing all his stutters, Hal feels really nervous to speak via phone. He gulps when he interjects the sound <i>uh</i> . He also moves his hands.

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49	IN-BL/ AIE/ 00:46:42	GINNY’S MOM: Hal? HAL HEFNER: Uh, ^{IN} yeah... ^{BL-IN} yeah ^{IN} ?	√					√				√			When he interjects the sound <i>uh</i> , he gulps.
50	IN-BL- MOR / AIE-VMT/ 00:46:47	GINNY’S MOM: She says she'll see you at the debate tomorrow. Okay? HAL HEFNER: Okay, well, we... ^{BL} we ^{MOR} um ^{IN} I really... ^{BL} I really we... ^{BL} I really we need to, uh ^{IN} practice with her. She'll see you then. HAL HEFNER: Hello?	√					√	√			√	√		In this moment of silent pause, his jaw jerks. Besides, he also gulps.
51	IN-BL/ AIE / 00:46:47	(<i>Hall is lying down on the bed and he practise his debat’s skill by reading the texts alone</i>). HAL HEFNER: Good morning, Judge. Good morning, our esteemed opponents. N... ^{BL} let’s... ^{BL} Let’s begin with our plan. That the federal government should... ^{BL} Uh ^{IN} good morning there, Judge... ^{BL} good morning, our esteemed opponents. When you work so hard at something.	√					√				√			Hal holds his long breath when having the first long silence. Then when he interjects the sound <i>uh</i> , he gulps and then he continues to read and speak alone his debate’s text.

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52	IN -RISS-BL-MOR / HTLM-AIE-VMT-EB/ 00:49:46	(It's the time to Hal debates in the debate's competition). HAL HEFNER: Uh ^{IN} good... ^{BL} good ^{MOR} good morning there, Judge. Good, uh ^{IN} good... ^{BL} good ^{MOR} good ^{MOR} morning to you, uh ^{IN} both, you, our esteemed opponents. Good morning, uh ^{IN} The... ^{BL} ab... ^{BL} ab ^{RISS} That, uh ^{IN} resolved that... ^{BL} that ^{MOR} that ^{MOR} that ^{MOR} that ^{MOR} that ^{MOR} uh ^{IN} that it, uh ^{IN} How much time, timer? (asking to the timer about the rest time of his debate).	√				√		√	√	√	√	When experiencing all his stutters, Hal feels really nervous to speak in front of public. He loses his eye contacts, gulps, and jerks his head. Moreover, his jaw jerks.	
53	IN- MUR-BL / 00:50:40	(Hal phones his speech therapist). SPEECH THERAPIST: Yeah, hello? HAL HEFNER: Mr... ^{BL} Mr ^{MUR} uh ^{IN} um ^{IN} Mr... ^{BL} SPEECH THERAPIST: Hal? What's the matter?	√			√			√					When experiencing all his stutters, Hal does not show any associated behaviors.
54	IN-REV-MUR-BL / HTLM/ 00:50:46	HAL HEFNER: It's... ^{BL} it's ^{PR} , uh ^{IN} it's, uh ^{IN} well, it's funny that you ask, actually. Um ^{IN} I've... ^{BL} I'm just... ^{REV-BL} I'm just here at, um ^{IN} I'm at... ^{BL} I'm at I'm at Hazlet... ^{BL} Hazlet ^{MUR} High School, at the debate. And spent the last... ^{BL} I've... ^{BL} I spent ^{REV} the last seven minutes of my round-one speech trying... ^{BL} trying ^{MUR} to say the resolution.	√		√	√			√		√			When experiencing all his stutters, he moves his hand and jerks his head.

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55	IN/ 00:51:10	SPEECH THERAPIST: Well, there's that video I gave you, "Singing Instead of Talking." HAL HEFNER: Yeah, did, uh ^{IN} did rat poison and a straw come with that video?	√											When experiencing all his stutters, Hal does not show any associated behaviors.	
56	REV-BL/ 00:51:18	SPEECH THERAPIST: Uh, I'm advising... that you should try to do an accent. Okay? HAL HEFNER: If I do that you won't see... ^{BL} you won't see me on Monday. 'Cause I'll already be... ^{BL} I'll be on a ^{REV} I'll probably be on a plane to... ^{REV-BL} Can you hold on for a sec? Okay, I should... ^{BL} I should, mayb... ^{BL} maybe I should.... ^{BL} I should probably go. (<i>The speech therapist closes the phone</i>).			√				√					When experiencing all his stutters, Hal does not show any associated behaviors.	
57	IN-PR-BL-MOR / HTLM-AIE-VMT-EB/ 00:52:35	<i>Hal comebacks to the debate's room.</i> HAL HEFNER: Good afternoon, esteemed opponents from Glen Rock. Good afternoon. Let's get our... ^{BL} let... ^{BL} let's, uh ^{IN} let... ^{BL} let ^{MOR} let's get, uh ^{IN} , down and... ^{BL} down and down and dirty, shall we, with this... ^{BL} this thing... ^{BL} this thing ^{PR} this thing ^{PR} this thing ^{PR} I'll call our plan. Excuse me, I'm... ^{BL} I'm I'm I'm I'm really sorry. (<i>Hal feels really nervous and he leaves the debate's room</i>).	√	√					√	√	√	√	√	When experiencing all his stutters in the second debate, Hal feels really nervous to speak in front of the public. He loses his eye contacts, gulps, and jerks his head. Moreover, his jaw jerks.	

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58	IN-REV-BL/ VMT-EB/ 00:53:24	(In the break time, Hal goes to canteen and he serves pizza to the Hazlet lunch lady. But he feels nervous to ask the pizza and it seems difficult to say what he wants actually to the pizza server). HAZLET LUNCH LADY: Slice of pizza or Sloppy Joes and I don't want to debate you on it. Pizza, two slices. Slice of pizza, Sloppy Joes, and I don't want to debate about it. HAL HEFNER: Um (interjects theb sound um) I'll... ^{BL} I'll have the... ^{BL} not the... ^{REV-BL} the, um ^{IN} the, um ^{IN} HAZLET LUNCH LADY: We're out of pizza. Sloppy Joes are all that's left. But they're not that terrible if you've never had really good ones before. HAL HEFNER: Thank you, ma'am.	√		√				√			√	√	When experiencing all his stutters, his jaw jerks and he loses eye contacts with Hazlet Lunch Lady.	
59	REV-BL/EB/ 00:55:00	(Hal runs out to the toilet after meeting Ginny in the others debate's room). HAL HEFNER: (Hall stays on in the toilet then a girl comes to the toilet) I just... ^{BL} I don't... ^{REV-BL} I don't really know what to do here. THE GIRL: Well, um, this is the girls' room. So... HAL HEFNER: Okay.			√				√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.	

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60	REV-MUR.-BL-/EB/ 00:56:19	COACH LUMBLY: Um, let's be adults here and think about who could use... a little time on the sidelines. HAL HEFNER: Ginny recruited me. Okay? She intuited... ^{BL} intuited ^{MUR} that I... ^{BL} that I that my... ^{REV-BL} that my ^{PR} brain was made for this. I mean, you can't even... ^{BL} you can't even ask me a question without my brain filling up with retorts. It's... ^{BL} it's full of retorts.			√	√			√				√	When experiencing a silent pause in the words <i>that I</i> , his jaw jerks until he repeats the phrase <i>that I</i> again
61	BL/ EB/ 00:57:04	COACH LUMBLY: What about Elvis Hunsinger, the boy who pees himself in gym class? HAL HEFNER: Well, everybody knows... ^{BL} Elvis. COACH LUMBLY: She tried to recruit them all. Never crossed my mind that this could be some scheme of hers, but, when you think about it looks pretty pat.						√					√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.

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62	BL-MOR/ EB/ 01:03:08	(Hal and Honoria are having speech therapy with their speech therapist, they sit down on the floor and begin to therapy session). SPEECH THERAPIST: Maybe you should put the whole debate thing behind you, all a... a lark of adolescence. We all have 'em. Mine was cheerleading. I was the one boy on the cheerleading squad. Imagine that, huh? Give me a "H," uh-uh-uh. Give me a "A," uh-uh-uh. Give me a "L," uh-uh-uh. What does that spell? Hal. HAL HEFNER: That... ^{BL} that ^{MOR} image is... ^{BL} is ^{MOR} not really helping							√	√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.
63	BL/ EB/ 01:07:12	(Hal goes to Ginny's school, he meets the school officer to call Ginny via microphone). SCHOOL OFFICER: Virginia Ryerson, please come to the main office. Virginia Ryerson, you have a visitor in the main office. Are you her little brother? You look like you could be her little brother. HAL HEFNER: I'm... ^{BL} I'm her ex-lover. SCHOOL OFFICER: Take a seat. She'll be with you in a minute.							√					√	When having a silent pause, Hal blinks his eye for a little time.

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64	BL-MOR/ EB/ 01:07:41	HONORIA: <i>(Honorita who accompanies Hal to Ginny's school responds to Hal's statement) So how far did you get with her?</i> HAL HEFNER: Does... ^{BL} does ^{MOR} it count as second base when it's groping through the shirt? HONORIA: Maybe in public school						√	√				√	When experiencing all his stutters, Hal blinks his eyes.
65	IN-BL-MOR/ VMT-EB/ 01:07:56	<i>(Ginny comes to the main office, she feels surprised with Hal's attendance).</i> GINNY: What are you doing here? HAL HEFNER: Oh ^{IN} , uh ^{IN} uh ^{IN} I... ^{BL} I have, uh ^{IN} it's spring break at Plainsboro. I have... ^{BL} I have the... ^{BL} the ^{MOR} day off.	√					√	√			√	√	When experiencing the first silent pause in the word <i>I</i> , his jaw jerks, then he also blinks and avoids eye contacts.
66	BL-MOR/ 01:08:10	GINNY: Okay. I'm going back to A.P. Latin now. HAL HEFNER: Wait... ^{BL} I'm... ^{BL} I'm returning this to you. It belongs to you and... ^{BL} and ^{MOR} it's important to me that you have it. It's your Hazlet trophy. I had a bad night, but I'm better now <i>(takes the trophy from his bag and shows the trophy to Ginny).</i> GINNY: I don't want the trophy. I'm... I'm gonna go back to class. You need to leave. <i>(Ginny leaves Hal).</i>						√	√					When experiencing all his stutters, Hal does not show any associated behaviors.

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67	IN-BL-MUR / 01:08:41	(Hal runs Ginny and he tries to explain again). HAL HEFNER: Wait... ^{BL} every... ^{BL} every ^{MUR} every ^{MUR} every ^{MUR} body has their own path! And, uh... ^{IN-BL} SCHOOL OFFICER: Security, please report to the main office. Need you to deal with a... stuttering boy in the main office.	√			√			√					When experiencing all his stutters, Hal does not show any associated behaviors.
68	IN-BI/EB/ 01:09:41	(Hal runs to the laundry where Ben Wekselbaum, the exdebater of Plainsboro's debate team work.). BEN: Yeah? HAL HEFNER: Uh ^{IN} , I'm... ^{BL} I'm here from Plainsboro High, and I've... ^{BL} I've ^{PR} , uh ^{IN} I've come here to find you.	√						√				√	When interjects the sound <i>uh</i> for the second time, Hal blinks his eyes.

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69	BL-MOR / 01:10:28	(After Ben finishing his work, he meets Hal and invites Hal going to the his home. They walk together through the suburban street). BEN: Man, it's a blessing to be squarely and dearly out of the goddamn suburbs. Suck the marrow right from you, the suburbs will. And it takes years in the big city to inject the life back into you... literal years. HAL HEFNER: You... ^{BL} you ^{MOR} mean, the big city is... ^{BL} is ^{MOR} is ^{MOR} Trenton? BEN: That's right... Trenton. HAL HEFNER: Oh.							√	√					When experiencing all his stutters, Hal does not show any associated behaviors.	
70	BL/ 01:10:55	BEN: Did Ginny send you? HAL HEFNER: Oh no, she doesn't... ^{BL} she doesn't she doesn't know anything.								√						When experiencing all his stutters, Hal does not show any associated behaviors.
71	MOR/ 01:11:00	BEN: Lumbly? HAL HEFNER: No, no ^{MOR} No ^{MOR}									√					When experiencing all his stutters, Hal does not show any associated behaviors.

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			Between-Word Dysfluencies				Within-Word Dysfluencies			Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors		
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)						Monosyllabic Whole- Word Repetitions
72	IN-REV-BL-MOR/ 01:11:02	BEN: Because if this is part of a grand design to get me back to school... You smell that bus exhaust? That'll be what you leave behind on your way back to Plainsboro without me. HAL HEFNER: Wait. The thing is, is ^{MOR} that, uh ^{IN} what I want... ^{BL} what I want what I need ^{REV} is your help. You don't even know me. You... ^{BL} you ^{MOR} do realize you're like... ^{BL} you're like ^{PR} a legend at PHS, right?	√		√				√	√					When experiencing all his stutters, Hal does not show any associated behaviors.
73	BL/ 01:11:30	BEN: Right, I'm the next Shelley Hasty. HAL HEFNER: Who is... ^{BL} who's she?							√						When experiencing all his stutters, Hal does not show any associated behaviors.
74	IN-BL /EB/ 01:11:34	BEN: He. He supposedly drove a Chevy Nova into the cafeteria in 1986. There's a plaque somewhere next to a water fountain in his honor. HAL HEFNER: Well... ^{BL} I'm... ^{BL} I'm gonna be the next legend at PHS. And that's... ^{BL} that's not gonna happen for me any other way than to wIN.. ^{BL} uh ^{IN} , to win at States.	√						√					√	When experiencing all his stutters, Hal avoids eye contacts.

NO	CODE	UTTERANCES	Types of Dysfluencies							Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies				Within-Word Dysfluencies			Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)					
75	IN-BL-MOR / 01:11:59	BEN: You're gonna win at States? Yes. HAL HEFNER: Well... ^{BL} well ^{MOR} well ^{MOR} , uh ^{IN} we are, yes.	√					√	√					When experiencing all his stutters, Hal does not show any associated behaviors.
76	BL-MOR / EB/ 01:12:09	BEN: It's so pointless. That's the realization. I came to at States last year: Life is nothing but repetition, the same thing over and over. Somebody might give you a trophy and that's supposed to mean you're making progress, but there's no such thing.The fights you fight today are the fights you fight till you die. HAL HEFNER: Yeah, well be... ^{BL} be ^{MOR} , that as it may... ^{BL}						√	√				√	When experiencing all his stutters, Hal avoids eye contacts.
77	BL/EB/ 01:12:29	BEN: Sure. Be that as it may. HAL HEFNER: Wait, it's not some college-application bullshit that is... ^{BL} that's like the driving force here, or any bullshit. BEN: I'm sure.						√					√	When having a silent pause, Hal loses his eye contacts for a little while.

NO	CODE	UTTERANCES	Types of Dysfluencies								Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies				Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole- Word Repetitions					
78	IN-BL-MOR / EB/ 01:12:55	HAL HEFNER: No, uh ^{IN} , do you want to know what it is? BEN: Yeah. What it is, is... HAL HEFNER: what it... ^{BL} what it is, is... ^{BL} uh ^{IN} , it's, uh ^{IN} is, uh ^{IN} , is... ^{BL} no, what... ^{BL} what ^{MOR} it is, is... ^{BL} it's... ^{BL} well, it's love. Well, if it's not that, then... ^{BL} then ^{MOR} it's the need for... ^{BL} for ^{MOR} revenge when... ^{BL} when ^{MOR} love goes bad. It's one of those two, love or revenge. I'm not really sure which one. But it's one of those two things that made me throw a cello through somebody's window. So you figure it out. BEN: An actual cello?	√						√	√				√	When experiencing all his stutters, Hal avoids eye contacts.

NO	CODE	UTTERANCES	Types of Dysfluencies							Associated Behaviors of Stuttering				Explanation	
			Between-Word Dysfluencies			Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors		
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)						Monosyllabic Whole- Word Repetitions
79	BL-MO / EB/ 01:14:54	HAL HEFNER: Oh, yeah, I have a... ^{BL} a ^{MOR} mom that I see most days and... ^{BL} and ^{MOR} I see my dad some weekends. BEN: You'll have to come to some arrangement with them or else let go of trying to so that you can spend evenings and weekends here. We'll register as a home-schooled team. My grandmother will sign whatever official paperwork is required. But all such considerations wait on our priority, and that's finding you your voice. Suddenly, Trenton was a different city; no longer a dead end but a starting place. Trenton: the very city of triumph.							√	√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.
80	BL / EB/ 01:15:37	(Ben and Hal stand on the top of different high buildings. Ben gives such a debate's practise to Hal in order to Hal can absorb the material easily). BEN: Fire when ready!(Ben shouts to Hal). HAL HEFNER: This isn't... ^{BL} this isn't very good for one's spirit.							√					√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.

NO	CODE	UTTERANCES	Types of Dysfluencies							Associated Behaviors of Stuttering				Explanation	
			Between-Word Dysfluencies				Within-Word Dysfluencies			Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors		
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)						Monosyllabic Whole- Word Repetitions
81	PR- BL / HTLM/ 01:15:45	BEN: I can't hear you! HAL HEFNER: It's... ^{BL} it's ^{PR} spirit-crushing, I said. Fine. What should I say?							√		√				When experiencing all his stutters, Hal moves his hand and jerks his head.
82	BL/ HTLM-VMT/ 01:15:56	BEN: Give me your standard Affirmative opening. HAL HEFNER: Yeah. You know, I haven't really said it enough for it to really be... ^{BL} for it to be standard.							√		√		√		When having his silent pause, Hal still jerks his head and his jaw jerks too.
83	IN-BL /HTLM-VMT/ 01:16:06	BEN: Throw me the cello! HAL HEFNER: Uh ^{IN} Let's get down and dirty. Let's get down... ^{BL} Let's... ^{BL} let's get... ^{BL} let's get, uh ^{IN} let's get... ^{BL} let us... ^{BL} let us ^{PR} uh ^{IN} , okay, let's just... ^{BL} let... ^{BL} let ^{MOR} us... ^{BL}	√						√		√		√		Hal is really very nervous to get the word out again When experiencing all his stutters, his jaw jerks. He also moves his hand and jerks his head.

NO	CODE	UTTERANCES	Types of Dysfluencies								Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies				Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole- Word Repetitions					
84	IN-MUR-BL-MOR / HTLM-VMT-EB/ 01:16:33	BEN: What it is is one of those rare instances where one of us having an advanced college-degree might actually help. HAL HEFNER: I won't whisper. It's a trick, but it's... ^{BL} it's ^{PR} uh ^{IN} it's crap. It's a crap trick. And I won't... ^{BL} I won't ^{PR} do an accent, however good... ^{BL} however... ^{BL} however ^{MUR} however ^{MUR} good I may be at them. So that just leaves... ^{BL} that's... ^{BL} that's just... ^{BL} that's just singing. Singing my speeches. And then... ^{BL} and after that ^{REV} , arran... ^{BL} arranging to have my... ^{BL} have my my ^{MOR} have my ashes scattered over the Plainsboro Municipal Pond.	√		√	√			√	√	√		√	When experiencing all his stutters, his jaw jerks. He also, blinks his eyes, moves his hand, and jerks his head.	

NO	CODE	UTTERANCES	Types of Dysfluencies							Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies			Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)					
85	IN-BL /EB/ 01:17:18	(Ben and Hal are in the Ben's bedroom. Hal is sitting down in the sofa seeing Ben playing cello). HAL HEFNER: You know, I've... ^{BL} I've thought about the whole... ^{BL} the singing, and, uh ^{IN} I don't think I can do it, the song thing. BEN: This is "The Battle Hymn of the Republic." We might prefer something more modern, I realize, but this is the only piece I can play all the way through. What you're gonna do is just learn the song well enough to keep it in your head, to let it flow through you as you speaking your speeches. And we'll write to fit the rhyme. (Ben helps Hal to write his entire speech to the tune of " <u>The Battle Hymn of the Republic</u> ").	√						√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.
86	BL / EB/ 01:18:14	BEN: We think our case will state that sex is bound to be explored (Ben sings his speech to make Hal can speak fluency)... HAL HEFNER Abs... ^{BL} abstinence is the catalyst... ^{BL}							√					When experiencing all his stutters, Hal does not show any associated behaviors.

NO	CODE	UTTERANCES	Types of Dysfluencies							Associated Behaviors of Stuttering				Explanation	
			Between-Word Dysfluencies				Within-Word Dysfluencies			Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors		
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)						Monosyllabic Whole- Word Repetitions
87	BL-MOR/ 01:18:22	BEN: Breathe. Breathe first. HAL HEFNER: <i>(take a breath)</i> Abstinence is the catalyst... ^{BL} to... ^{BL} to ^{MOR} support such a... ^{BL} such a... ^{BL} a ^{MOR} far- ranging... ^{BL} platform.							√	√					When experiencing all his stutters, Hal does not show any associated behaviors.
88	BL-MOR/ VMT-EB/ 01:20:37	<i>(Hal and Ben are in the opening of Policy Debate Championships, they register themselves as a home-schooled team. When they come and sit down, many people seeing to them because they are surprised Ben joins debate agaIN Then the girl who sit down in front of Ben asks signature’s Ben, the the girl also asks the question to Hal).</i> THE GIRL: Aren't you that Chinese boy? HAL HEFNER: I'm K-Korean, yes. And just... ^{BL} just ^{MOR} so... ^{BL} just so that you're... ^{BL} that you're aware, it's really ignorant to lump us all into one category like that.							√	√			√	√	When he tries to speak the word <i>Korean</i> , his jaw jerks. Then, he also blinks his eyes and avoids eye contacts too.

NO	CODE	UTTERANCES	Types of Dysfluencies						Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies			Within-Word Dysfluencies			Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds					
89	BL/ 01:19:17	<p>(In the bedroom, Hal dress up rapidly to prepare himself in the debate's competition. Earl knocks Hal's bedroom, bringing a new suitcase for Hal).</p> <p>HAL: Go away! (Hal fixed himself in front of the mirror, then he sees to Earl who brings their's daddy suitcase) That's Dad's.</p> <p>EARL: I thought you could use a bigger suitcase... one with an actual handle. I swear, Penelope, I don't know what you would do without someone in this family who can steal and then organize.</p> <p>HAL HEFNER: All right, well, could we...^{BL} could we maybe just leave it with Penelope then?</p> <p>EARL: Yeah, we can do that.</p>						✓					When experiencing all his stutters, Hal does not show any associated behaviors.

NO	CODE	UTTERANCES	Types of Dysfluencies								Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies				Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole- Word Repetitions					
90	IN-BL-MOR/EB/01:22:07	<i>(The debate’s competition begins and Hal is ready to begin his debate. He reads the debate’s texts by using the tune of "The Battle Hymn of the Republic". He sings it and it helps him to be fluency).</i> HAL HEFNER: You think our case will state that sex is bound to be explored, that adding funds for abstinence is what I will have roared. But such a case has been heard so much that we are bored. Our plan is, thus, not that. Our... ^{BL} our ^{MOR} uh ^{IN} uh ^{IN} our ... ^{BL} our ^{MOR} our ^{MOR} government can best support teaching abstinence by refraining from the common and ugly arrogance. Instead of telling us we should never do the dance they should adopt this plan: Amend the Constitution so that no one over can serve in government, there'll be only kids a-plenty. We'll... ^{BL} we'll write the laws and fix sex ed, and it won't cost a penny. That's our basic plan. What we'll... ^{BL} what we'll what we'll do is create a new federal government where teenagers are only... ^{BL} are... ^{BL} are ^{MOR} the only... ^{BL} the only voices of authority. By doing so... ^{BL} we'll help we'll help create a... ^{BL} a ^{MOR} wider consensus among teens.	√		√				√	√				√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.

NO	CODE	UTTERANCES	Types of Dysfluencies							Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies			Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)					
91	IN-REV-BL/ HTLM-VMT-EB/ 01:23:53	(Ben is out from debate’s room to meet Coach Lumbly and a Debate Official). COACH LUMBLY: Ben. BEN: Marsha. COACH LUMBLY: The bow tie, the pretty boutonniere? Yes, sir, it stirs the pot a little. BEN: For me too, Coach. No, don't do that. HAL HEFNER: (Hal is out from the debate’s room) Excuse me, Coach? I'm... ^{BL} I'm I'm like... ^{BL} I'm a minute into my... ^{REV-BL} into my opening. And, uh ^{IN} well, uh ^{IN} well, I've... ^{BL} well, uh ^{IN} well, I'm killing in there. Aren't I killing? (Asking to the debate’s participants in the debate’s room).	√		√			√		√		√	√	When experiencing all his stutters, Hal avoids eye contacts, his jaw jerks, and he moves his hand.

NO	CODE	UTTERANCES	Types of Dysfluencies							Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies			Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole- Word Repetitions					
92	IN-BL-MOR/EB/01:24:55	<i>(Ben and Hal are satisfied with their efforts. They are disqualified by the debate official.</i> HAL HEFNER: You know, we... ^{BL} we ^{MOR} , uh ^{IN} might have actually won the whole thing. BEN: Probably not if you really apply powers of reason to it.	√						√	√			√	When experiencing all his stutters, Hal avoids eye contacts and blinks his eyes.
93	IN-BL-MOR/01:25:10	HAL HEFNER: So that's... ^{BL} so... ^{BL} so ^{MOR} uh ^{IN} so that's... ^{BL} that's it? BEN: Come and visit me sometime, if you want. We'll reminisce about this and what it means.	√						√	√				When experiencing all his stutters, Hal does not show any associated behaviors.

NO	CODE	UTTERANCES	Types of Dysfluencies								Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies			Within-Word Dysfluencies					Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole- Word Repetitions					
94	IN-BL-MOR/ VMT-EB/ 01:25:51	<i>(Hal Hefner runs and feels sad because his efforts to join the debate failed. Before leaving, he finds Ginny in the one of debate’s room. Hal insists that one day will be his day, while she tells him that it was not easy for her to betray him as he walks off).</i> GINNY: Teen sexual experimentation in these programs <i>(stops her debate’s speech after seeing Hal comes to her debate’s room).</i> HAL HEFNER: <i>(Seeing to Ginny)</i> Well, uh ^{IN} uh ^{IN} today was not my day. Okay? But... ^{BL} but ^{MOR} , uh ^{IN} but... ^{BL} but ^{MOR} , uh ^{IN} some... ^{BL} someday will be. And... ^{BL} and ^{MOR} on... ^{BL} on ^{MOR} that day, you... ^{BL} you ^{MOR} will be sitting at home alone. At home. And you'll... ^{BL} you'll think to yourself... ^{BL} when you're alone that... ^{BL} that ^{MOR} that ^{MOR} I knew him when. Him being me. <i>(Hal leaves the Ginny’s debate room and he shows his middle finger, then Ginny is out of the debate’s room to run Hal).</i>	√						√	√			√	√	When experiencing all his stutters, Hal avoids eye contacts, blinks his eyes, and his jaw jerks.

NO	CODE	UTTERANCES	Types of Dysfluencies								Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies				Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole- Word Repetitions					
95	IN-PR-BL-MOR/ HTLM-VMT-EB/ 01:28:16	<p>(Hal spends the evening at a nearby beach. He wants being alone. Then he goes to the pizza’s seller. He wants to buy the pizza and he tries to say the word “pizza” although it’s to difficult to himself to say it).</p> <p>HAL HEFNER: Sir? I will have one of...^{BL} I'll have one of the I'll have a slice of your...^{BL} the...^{BL} of...^{BL} one of your...^{BL} one of your^{PR}. I'll have a slice of the...^{BL} of the^{PR} the^{MOR} the^{MOR} one of...^{BL} what...^{BL}</p> <p>I mean, you can imagine it's not fish because you don't have any fish here. At least I hope not. It's good. Um^{IN} but I'll have a slice of the...^{BL} of your...^{BL} one of your ...^{BL} um^{IN},slices of the...^{BL} the^{MOR} the^{MOR} the^{MOR} pizza.</p> <p>PIZZA SELLER: You can pay me when you're through. (Give to Hal one slice of the pizza).</p>	√	√					√	√	√		√	√	When experiencing all his stutters, Hal avoids eye contacts, blinks his eye, his jaw jerks, and he jerks his head.

NO	CODE	UTTERANCES	Types of Dysfluencies								Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies				Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole- Word Repetitions					
96	IN- BL-MOR/ HTLM-VMT-EB/ 01:28:57	HAL HEFNER: You know, why don't I make it not just... ^{BL} not... ^{BL} not just... ^{BL} not... ^{BL} not ^{MOR} one... ^{BL} not one slice, but, uh ^{IN} , I'll have... ^{BL} I'll have not one. PIZZA SELLER: I'm gonna close up in a bit. Why don't you just take all three? Otherwise they're getting trashed. (<i>Give all the pizza to Hal freely</i>). HAL HEFNER: Yes! Thank you. Thanks.	√						√	√	√		√	√	When experiencing all his stutters, Hal avoids eye contacts, blinks his eye, his jaw jerks, and jerks his head.
97	IN -BL-MOR/ VMT-EB/ 01:30:37	(<i>Hal's daddy picks up Hal and in the car they are having conversation together</i>). HAL'S DADDY: You okay? HAL HEFNER: Yeah, I'm okay. But, uh ^{IN} , listen... ^{BL} what do you... ^{BL} what do you I mean, what are your thoughts on... ^{BL} like on... ^{BL} on ^{MOR} on ^{MOR} love?	√						√	√			√	√	When experiencing all his stutters, Hal avoids eye contacts, blinks his eye, and his jaw jerks.
98	IN-BL/ VMT-EB/ 01:30:54	HAL'S DADDY: Oh, man, it's so late, Hal. I, um... I couldn't find the... the off-ramp. And I ended up circling back three times. And, uh... I don't even know if I know how to get you back to Plainsboro. HAL HEFNER: You know, it shouldn't be... ^{BL} shouldn't... ^{BL} it really shouldn't be like rocket, uh ^{IN} shouldn't be rocket, um ^{IN} Sometimes, I don't know, I guess I just wonder when it all starts to make sense, you know?	√						√				√	√	When experiencing all his stutters, Hal avoids eye contacts, blinks his eye, and his jaw jerks.

NO	CODE	UTTERANCES	Types of Dysfluencies								Associated Behaviors of Stuttering				Explanation
			Between-Word Dysfluencies				Within-Word Dysfluencies				Head, Torso, and Limb Movements	Audible Inhalation and Exhalation	Visible Muscle Tension	Eye Behaviors	
			Interjection	Phrase Repetitions	Revisions	Multisyllabic Whole- Word Repetitions	Repetitions of Individual Sounds or Syllables	Prolongations of Sounds	Blocks (Silent Pause)	Monosyllabic Whole- Word Repetitions					
99	BL-MOR/ VMT-EB/ 01:31:42	HAL’S DADDY: Oh. Well, I guess there comes a point, you see, when you reach a certain age and you're in Jersey, or someplace just like it, and... you stop trying to figure it all out. You just... are glad for what you have. HAL HEFNER: Oh. And that... ^{BL} that ^{MOR} that ^{MOR} that ^{MOR} just, like, happens for everyone?						√	√			√	√	When experiencing all his stutters, Hal avoids eye contacts, blinks his eye, and his jaw jerks.	
100	BL-MOR/ VMT-EB/ 01:32:16	HAL’S DADDY: Yeah. Pretty much. But you let me know if it turns out different for you. HAL HEFNER: I'll do that. I'll find... ^{BL} a... ^{BL} a ^{MOR} way... ^{BL} a g... ^{BL} some good way of letting you know how it all works out.						√	√			√	√	When experiencing all his stutters, Hal avoids eye contacts, blinks his eye, and his jaw jerks.	
		SUB TOTAL	60	2	12	6	2	-	94	42	16	14	21	66	
		TOTAL	80				138				117				

APPENDIX 2

Data Finding of the Kinds of Treatments that Hal Hefner Experience to Overcome his Stuttering Portrayed in *Rocket Science*

Note: NO : Datum Number CS : Choral Speech SWM : Speaking with a
 00:07:53 : Minutes DAF : Delayed Auditory Metronome
 ST : Speech Therapy Feedback WH : Whispering
 MCIF : Manuevers that IAF : Impersonating Another CBT : Cognitive-Behavioral
 Can induce Fluency Voice Therapy
 AD : Adaptation SI : Singing
 AM : Auditory Masking SA : Speaking Alone

NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can induce Fluency									Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome	Whispering		
01	SA/ 00:07:53	(Hal goes to school by school bus, in the bus he speaks alone to practise his speech when he will asks the pizza in the break time at school). HAL HEFNER: I'll just have the... ^{BL} just the ^{BL} just the just the pizza, thanks								√				Hal speaks alone in the bus without paying attention to his classmates in the bus. He wants to learn to get the word 'pizza' out.
02	ST/ 00:09:55	(The speech therapist gives treatment to Hal and Honoria) SPEECH THERAPIST: (He practises Hal and Honoria breathing exercises then he speaks by whispering to Hal). Do you want to keep on trying the breathing exercises or something new? HAL HEFNER : Is it all right if I... ^{BI} if I don't have an opinion? (Answering it by whispering too).	√									√		The speech therapist utterance and Hal utterance are categorized into speech therapy, because Hal uses the guidance of a speech pathologist to reduce his stuttering. The kind of speech therapy which is given by his speech therapist to Hal in this utterance is whispering.

NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency								Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome		
03	ST/CS/SI/WH/CBT/00:10:06	<p>SPEECH THERAPIST: Let's try this. I read in this journal, "Clinical Pathway to Speech Pathology," that it's hard to be anything but fluent when you whisper or sing. I sent away for a videotape of some people trying that out. Not a solution, obviously, but wanna give it a shot?</p> <p>HAL HEFNER: I can't...^{BL} I can't I can't I can't do this. Isn't this too stupid, Honoria? Even for Honoria. This is too stupid. I can just feel it. I explained this, Hal, that this is not my specialty.</p> <p>SPEECH THERAPY: I'm sorry, I'm trying. It's really a shame that you're not hyperactive, because that I know well. And that I can work miracles with... hyperactivity. But... back to breathing. Yeah? Breathe. Good, come on. <i>(He invites Hal doing breathing exercise).</i></p>	√					√			√		The speech therapist utterances are categoried into speech therapy, because Hal uses the guidance of a speech pathologist to reduce his stuttering. The speech therapist also suggests Hal practises to speak fluency by whispering or singing. Those two kinds of manuevers will help Hal to induce his fluency.

NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency								Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome		
04	CBT/ 00:15:35	<i>Ginny asks to Earl to sit down in her seat because she wants talks with Hal).</i> GINNY: Coach Lumbly, with the pilgrim hat, she teaches patterns of adult living. She's on her third husband, name of Wallace Lumbly. Wallace III. It's a particular pattern she doesn't lecture us on in class. Anyway, she came up to me after a presentation on egalitarianism and said that although my argumentative skills were at the fetal stage, she sensed, somehow she intuited my potential and she invited me on the team. So now here I am two years later doing the same thing with you... recruiting, ferreting out the debating talent from the masses. That's you. I've ferreted you. HAL HEFNER: You mean... ^{BL} you mean public speaking? Like, speaking... ^{BL} in public? No, I don't think that's... ^{BL} that's not... ^{BI} that's not very... ^{BL}										√	Ginny's utterance is categorized into Cognitive Behavioral Therapy because Ginny tries to give spirit and belief to Hal by recruiting Hal in the debate's team. It will help Hal to change his fear about stuttering that he can do something like other normal people who can speak fluently.

NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency									Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome	Whispering		
05	SA/SWM/00:40:07	<p>(Hal bikes his bicycle in front of Ginny's house and he speaks alone loudly).</p> <p>HAL HEFNER: Resolved that the federal government should support the teaching of abstinence in public schools.</p> <p>Resolved!</p> <p>The motherf'ing federal government should support the teaching of Abstinence in motherf'ing, fucking public schools! Resolved!</p>								✓	✓			Hal speaks alone about his debate's speech with a metronome. It helps Hal induce his fluency and he also can prove that by speaking alone with a metronome, he can speak fluently in this utterance without any sttuttering.
06	CS/00:43:42	<p>(Hal goes to Ginny's house, he knocks the door and Ginny's Mom opens the door for him).</p> <p>HAL HEFNER: Mas...^{BL} mas^{RISS} uh^{IN}</p> <p>masturbation is a natural precursor of adult sexual development and it should be unfettered in a child's learning. Johnson, '98.</p> <p>GINNY'S MOM: Her plans changed. Virginia says to keep on working hard and she'll call you to let you know when you should come on over.</p>									✓			Hal speaks in front of Ginny's Mom in a metronome, which helps Hal induce his fluency. At the first time Hal speaks, he still gets stutters by repeating individual sounds or syllables twice and interjects the sound <i>uh</i> . After it he speaks fluently.

NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency								Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome	Whispering	
07	SA/ 00:47:02	<p><i>(Hal is lying down on the bed and he practise his debat's skill by reading the texts alone).</i></p> <p>HAL HEFNER: Good morning, Judge. Good morning, our esteemed opponents. N...^{BL} let's...^{BL} Let's... begin with our plan. That the federal government should...^{BL} Uh^{IN} good morning there, Judge...^{BL} good morning, our esteemed opponents. When you work so hard at something.</p>								√			Hal speaks alone by reading the text to help himself speak fluently in the next debate's competition.
08	ST/ 00:51:18	<p><i>(Hal phones his speech therapist when he gets stuttering in his debate's competition).</i></p> <p>SPEECH THERAPIST: Well, my ex-girlfriend, the PhD at Annenberg, she used to say her brother never stuttered if he spoke in an accent. You could try the accent you know best, and maybe that would help. Well, anyway, I wouldn't count on it. Mina's advice was about as far-fetched as she was. You know, open relationships just... don't work, Hal.</p> <p>HAL HEFNER: What?</p>	√										The speech therapist suggests Hal speak with the accent that he knows the best to induce his fluency. Speaking with the accent to induce fluency of a stuttering person is a kind of speech therapy which is sometimes given by a speech therapist to the stuttering patient.

NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency								Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome	Whispering	
09	CS/ 00:51:41	SPEECH THERAPIST: Uh, I'm advising... that you should try to do an accent. Okay? HAL HEFNER: If I do that you won't see ^{BL} you won't see me on Monday. 'Cause I'll already be ^{BL} I'll be on a ^{REV} I'll probably be on a plane to... ^{REV-BL} Can you hold on for a sec? Okay, I should... ^{BL} I should, mayb... ^{BL} maybe I should.... ^{BL} I should probably go. (The speech therapist closes the phone).	√										The speech therapist suggests to Hal speak with the accent that he knows the best to induce his fluency. Speaking with the accent to induce fluency of stuttering person is such kind of speech therapy which is sometimes given by speech therapist to the stuttering patient.
NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency								Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome	Whispering	
10	CBT/ 01:03:08	(Hal and Honoria are having speech therapy with their speech therapist, they sit down on the floor and begin to therapy session). SPEECH THERAPIST: Maybe you should put the whole debate thing behind you, all a... a lark of adolescence. We all have 'em. Mine was cheerleading. I was the one boy	√									√	The speech therapist utterance is categorized into speech therapy, because Hal uses the guidance of speech pathologist to reduce his stuttering. Moreover, the speech therapist gives Hal the treatment which is

		<p>on the cheerleading squad. Imagine that, huh? Give me a "H," uh-uh-uh. Give me a "A," uh-uh-uh. Give me a "L," uh-uh-uh. What does that spell? Hal.</p> <p>HAL HEFNER: That...^{Bl} that^{MOR} image is...^{Bl} is^{MOR} not really helping</p>												<p>included to the cognitive behavioral therapy. His speech therapist asks Hal to imagine the one boy on the cheerleading squad who shout as: "Give me a "H," uh-uh-uh. Give me a "A," uh-uh-uh. Give me a "L," uh-uh-uh". By giving it, it helps Hal to cope with difficulties more effectively by being more flexible in how they look at and respond to situations, developing more effective problem-solving skills, maximizing the use of more helpful self-talk, and developing life-enhancing core beliefs.</p>
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NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency									Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome	Whispering		
11	CBT/ 01:12:09	<p>BEN: It's so pointless. That's the realization. I came to at States last year: Life is nothing but repetition, the same thing over and over. Somebody might give you a trophy and that's supposed to mean you're making progress, but there's no such thing. The fights you fight today are the fights you fight till you die.</p> <p>HAL HEFNER: Yeah, well be...^{BL} be^{MOR}, that as it may...^{BL}</p>											√	<p>Ben's utterance can be involved into cognitive behavioral therapy because in his utterance Ben tries to understand the way in which Hal's thinking about his stuttering should be changed. Ben advises to Hal that "Somebody might give you a trophy and that's supposed to mean you're making progress, but there's no such thing. The fights you fight today are the fights you fight till you die."</p>

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12	CBT/ 01:14:31	<p>HAL HEFNER: Yeah, it took a bunch of throws, but you know, I'm good for a bunch.</p> <p>BEN: Have I got this right? Your contention is that we should debate as a team? You, an inexperienced kid with a bad and unpredictable stutter, me, not having debated at all this year and having no knowledge of the resolution.</p> <p>In support of this, you basically offer up that you threw a cello through someone's window. It's charming, no question. But is it persuasive?</p> <p>Why not make the case that, A: allowing me to return to States and win this year will tie up that loose end so that I can forge ahead free from any of life's regrets;</p> <p>B: That charitable enterprises such as this would be the lifeblood of advanced civilizations even, perhaps especially in places like Trenton, New Jersey;</p> <p>And C: that while this life here is infinitely preferable to the wretchedness of the suburbs, it's also not quite what I must have had in mind and maybe I miss some of the mundane thrills of policy debate.</p>										√	Ben's utterance actually is such kind of cognitive behavioral therapy. When he says: "You, an inexperienced kid with a bad and unpredictable stutter, me, not having debated at all this year and having no knowledge of the resolution. In support of this, you basically offer up that you threw a cello through someone's window. It's charming, no question," it means that Hal should believe to himself that he can speak fluency.

NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency									Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome	Whispering		
13	CBT/ 01:15:37	<i>(Ben and Hal stand on the top of different high buildings. Ben gives such a debate's practise to Hal in order to Hal can absorb the material easily).</i> BEN: Fire when ready!(Ben shouts to Hal). HAL HEFNER: This isn't... ^{BL} this isn't very good for one's spirit.											√	Speaking aloud is such kind of treatment which is used in the cognitive behavioral therapy. Hal speaks aloud to induce his fluency.
14	CBT/ 01:15:45	BEN: I can't hear you! HAL HEFNER: It's... ^{BL} it's spirit-crushing, I said. Fine. What should I say											√	Speaking aloud is such kind of treatment which is used in the cognitive behavioral therapy
15	CBT/ 01:15:56	BEN: Give me your standard Affirmative opening. HAL HEFNER: Yeah. You know, I haven't really said it enough for it to really be... ^{BL} for it to be standard.											√	Speaking aloud is such kind of treatment which is used in the cognitive behavioral therapy. Hal speaks aloud to induce his fluency.
16	CBT/ 01:16:06	BEN: Throw me the cello! HAL HEFNER: Uh ^{IN} Let's get down and dirty. Let's get down... ^{BL} Let's... ^{BL} let's get... ^{BL} let's get, uh ^{IN} let's get... ^{BL} let us... ^{BL} let us uh ^{IN} , okay, let's just... ^{BL} let... ^{BL} let ^{MOR} us... ^{BL}											√	Speaking aloud is such kind of treatment which is used in the cognitive behavioral therapy. Hal speaks aloud to induce his fluency.

NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency									Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome	Whispering		
17	SI/ 01:17:18	<p>(Ben and Hal are in the Ben's bedroom. Hal is sitting down in the sofa seeing Ben playing cello).</p> <p>HAL HEFNER: You know, I've...^{BL} I've thought about the whole...^{BL} the singing, and, uh^{In} I don't think I can do it, the song thing.</p> <p>BEN: This is "The Battle Hymn of the Republic." We might prefer something more modern, I realize, but this is the only piece I can play all the way through. What you're gonna do is just learn the song well enough to keep it in your head, to let it flow through you as you speak-sing your speeches. And we'll write to fit the rhyme. (Ben helps Hal to write his entire speech to the tune of "The Battle Hymn of the Republic).</p>							√					Ben helps Hal to write his entire speech to the tune of "The Battle Hymn of the Republic." It purposes to Hal to read the dabate's text by singing it.
18	SI/ 01:18:14	<p>BEN: We think our case will state that sex is bound to be explored (Ben sings his speech to make Hal can speak fluency)...</p> <p>HAL HEFNER Abs...^{B L} abstinence is the catalyst...^{BL}</p>							√					Ben practises Hal to sing his debate's text by giving example.

NO	CODE	UTTERANCES	Speech Therapy	(MCIF) Manuevers that Can Induce Fluency									Cognitive Behavioral Therapy	Explanation
				Adaptation	Auditory Masking	Choral Speech	Delayed Auditory Feedback	Impersonating Another's Voice	Singing	Speaking Alone	Speaking with a Metronome	Whispering		
19	SI/ 01:22:07	<p><i>(The debate's competition begins and Hal is ready to begin his debate. He reads the debate's texts by using the tune of "The Battle Hymn of the Republic". He sings it and it helps him to be fluency).</i></p> <p>HAL HEFNER: You think our case will state that sex is bound to be explored, that adding funds for abstinence is what I will have roared. But such a case has been heard so much that we are bored. Our plan is, thus, not that. Our...^{BL} our^{MOR} uh^{IN} uh^{IN} our ...^{BL} our^{MOR} our^{MOR} government can best support teaching abstinence by refraining from the common and ugly arrogance. Instead of telling us we should never do the dance they should adopt this plan: Amend the Constitution so that no one over can serve in government, there'll be only kids a-plenty. We'll...^{BL} we'll write the laws and fix sex ed, and it won't cost a penny. That's our basic plan. What we'll...^{BL} what we'll what we'll^{PR} do is create a new federal government where teenagers are only...^{BL} are...^{BL} are^{MOR} the only...^{BL} the only voices of authority. By doing so...^{BL} we'll help we'll help create a...^{BL} a^{MOR} wider</p>							√					Hal reads his debate's text by using the tune of "The Battle Hymn of the Republic". He sings it and it helps him being fluency.

		consensus among teens. It's a more... ^{BL} it's a more... it's more... ^{BL} it's more it's a more democratic system and democracy is the very basis for love as we'll argue below in the rest of my song-speech. Now, please... ^{BL} please ^{MOR} turn to... ^{BL} contingent... ^{BL} contingent ^{MUR} one of our plan. Now... ^{BL} now ^{MOR} now ^{MOR} , this one's a little harder to get the whole... ^{BL} the whole... ^{BL} the kinda... ^{BL} the... ^{BL} the ^{MOR} rhyme ^{REV} scheme for it, because... ^{BL} uh ^{IN} , because of all the quotes that say... ^{BL} that have "sexologist" in them which isn't really... ^{BL} it doesn't... ^{BL} it doesn't really rhyme with too much. But it basically... ^{BL} it basically goes like this: The role... ^{BL} the role... ^{BL} of the sexologist... ^{BL} (<i>He stopped in the middle of his song-speech by Coach Lumbly and a Debate Official who come suddenly</i>). COACH LUMBLY: Gentlemen, come with me.												
		SUB TOTAL	5	-	-	-	-	-	4	3	2	2	8	
		TOTAL	5	11									8	

APPENDIX 3**SURAT PERNYATAAN**

Yang bertanda tangan di bawah ini, saya:

Nama : Muhamad Basir

Pekerjaan : Mahasiswa

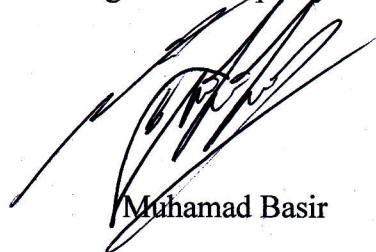
NIM : 08211141028

dengan ini menyatakan telah melakukan triangulasi data sehubungan dengan analisis data yang dilakukan oleh mahasiswa yang bersangkutan dalam penelitian dengan judul "A Psycholinguistic Analysis on a Stuttering Character in *Rocket Science*".

Demikian surat pernyataan ini dibuat untuk dapat digunakan sesuai dengan keperluan.

Yogyakarta, 13 Agustus 2012

Yang membuat pernyataan



Muhamad Basir

SURAT PERNYATAAN

Yang bertanda tangan di bawah ini, saya:

Nama : Shinta Purnama Sari

Pekerjaan : Mahasiswi

NIM : 08211141018

dengan ini menyatakan telah melakukan triangulasi data sehubungan dengan analisis data yang dilakukan oleh mahasiswa yang bersangkutan dalam penelitian dengan judul "A Psycholinguistic Analysis on a Stuttering Character in *Rocket Science*".

Demikian surat pernyataan ini dibuat untuk dapat digunakan sesuai dengan keperluan.

Yogyakarta, 13 Agustus 2012

Yang membuat pernyataan



Shinta Purnama Sari