

DO YOU

NEED

DO TO

ME, 188

ME, 188

ME, AN

**BRYAN**

**JACOBS**



# DO YOU NEED...

## technical information

### Software Requirements

specially developed software (runs on OSX)\*

### Hardware Requirements

- 1 macintosh computer
- 1 audio interface with two outputs
- 6 microphones (preferably condenser)
- 6 usb buttons boxes\*
- 2 loudspeakers
- 1 mixing conceal for sound diffusion and live sound reinforcement

### Setup

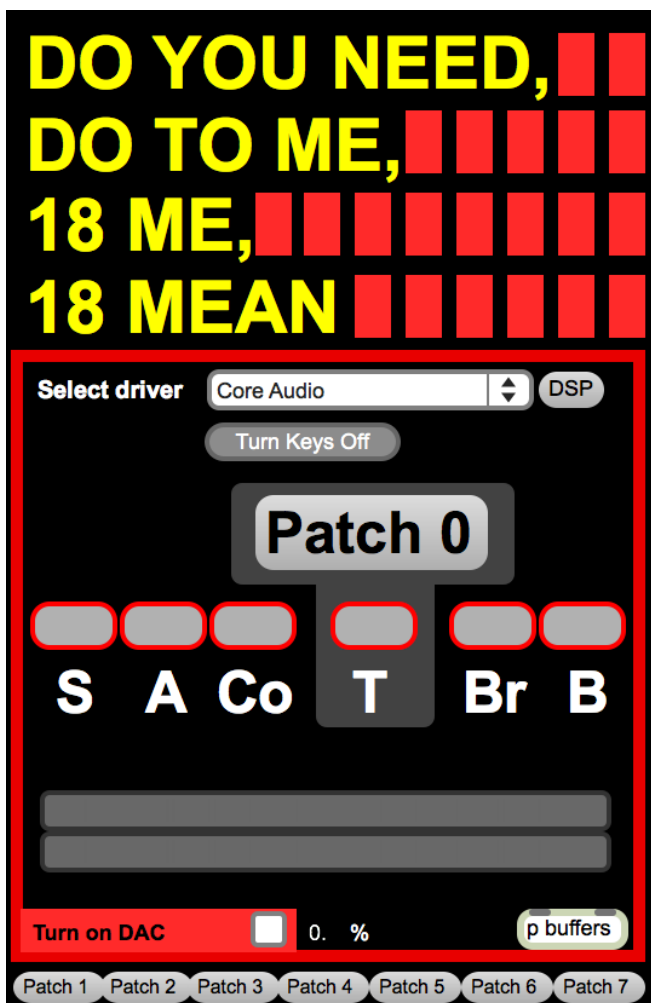
The electronics for Do you need, Do to me, 18 me, 18 mean consist of stereo samples triggered by the vocalist. There is no live sound transformation in this work.

Each vocalist should be close mic'd for amplification and diffused through the speakers. This is especially useful to make the non-voiced sections as aggressive as possible.

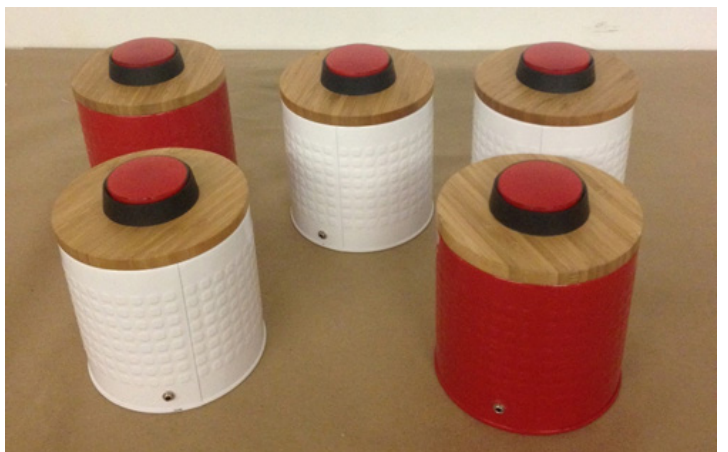
The USB buttons are interconnected with 1/8" cables (provided) and connected to the computer via one USB cable.

The application triggers sound files when the buttons are pressed and sends audio out the audio interface to the mixer.

\* = provided by composer



OSX application



USB buttons



performance setup

# DO YOU NEED...

## score information

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### ABOUT THE WORDS

The words were constructed from “misunderstandings” by computer voice recognition software. The phrase “In the beginning there was light” was read into the computer but misunderstood. That misinterpretation was then read back to the computer and again misunderstood, very similar to the game word-play game Telephone.

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### ABOUT THE NOTATION

Each vocal part has a staff made up of 3 lines representing the high, medium, and low ranges of each voice type.

‘X’ note-heads are used to denote voiceless sounds.

Notated pitches are sometimes given.

Grace-notes are to be included as part of the repeat they lead into.

‘V’ note-heads are used to denote audible inhalations.

All parts are notated at their sounding pitches (even the tenor).

If a letter appears in quotes in the vocal line it is to be sung as though you were pronouncing the letter’s name.

‘xx’ as a lyric means to sing nonsense syllables

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### ABOUT THE ELECTRONICS

Each vocalist controls their own electronic button which is connected to a computer running a Max/MSP patch. The button initiates sound files, synthesis, and live processing of the voice. One microphone for each performer is required. For visual affect, the button adhered to a box standing about waist high in front of each performer. The tenor’s button never makes any sound. It simply changes the sounds for the other players.

# \_do you need, do to me, 18 me, 18 mean\_

Bryan Jacobs (2012)

♩ = 184

x12

~25 sec.

x2

**S** 2/4 5/8

BUTTON

**A**

BUTTON

**Co** 2/4 5/8

BUTTON

**T**

BUTTON

**Br** 2/4 5/8

BUTTON

**B**

BUTTON

in the be - gin - ning there was light (X3) in the be - gin - ning - of - right in the be - gin - ning - of right (X2) im - me - di - ate - ly to ten - nes - see im -  
in the be - gin - ning right (X3) in the be - gin - ning - of - right in the be - gin - ning - of right (X3) im - me - di - ate - ly to ten - nes - see im -  
in the be - gin - ning night (X3) in the be - gin - ning - of - right in the be - gin - ning - of right (X3) im - me - di - ate - ly to ten - nes - see im -  
in the be - gin - ning of light (X3) in the be - gin - ning - of - right in the be - gin - ning - of right (X3) im - me - di - ate - ly to ten - nes - see im -

chromatic and microtonal deviation  
approximate pitch  
clap  
loop 3/8 section until the end of the solid line

chromatic and microtonal deviation  
approximate pitch (sounding pitch)  
clap  
loop 3/8 section until the end of the solid line

patch change 1

low drone

x3

x9

~15 sec.

x3

6

**S** 2/4

BUTTON

**A**

BUTTON

**Co** 2/4

BUTTON

**T**

BUTTON

**Br** 2/4

BUTTON

**B**

BUTTON

me - di - ate - ly lee cound - n't sleep im - me - di - ate - ly be sweet (X3) any - d il - li - na eat eat eat suite (X2) eat  
any any 'd' - 'v' - 'd' (X3) sweet (X3) il - li - na eat eat eat suite (X1)  
any any 'd' - 'v' - 'd' (X3) suite (X3) il - li - na eat eat eat suite (X1)

eat eat eat suite (X2) eat  
eat eat eat suite (X1)

random vowels  
change on repeats

low drone

x8

x9

**S** *mp* *f* *mp*  
 4 2 7 4  
 2 2 8 4  
 ssss

**A** enter after 5 repeats  
 eat eat eat eat eat eat  
*f*  
 ps o ch  
 high sound file

**Co** eat eat eat eat eat eat  
 4 2 7 4  
 2 2 8 4  
 repeat but vary. alignment among parts should break down syllable sound can change this 6 note grouping can vary in length  
 ps o ch

**T** eat eat eat eat eat eat  
*f* *mp* *ff*  
 t k t k mmm in the be -  
 same pitch

**Br** enter after 4 repeats  
 eat eat eat eat eat eat  
 4 2 7 4  
 2 2 8 4  
 t k t k mmm in the be -  
 low drone - fast tremolo

**B** enter after 6 repeats  
 eat eat eat eat eat eat  
*p* *ff*  
 in the be -  
 random vowels change on repeats speech-like slight pitch bends

x2

**S** *ff* match countertenor pitch  
 4 11 7 3  
 4 8 8 4  
 'e' 'o' wa new ah  
 sine tone cluster slightly raise pitch to produce beatings

**A** *ff* match countertenor pitch  
 'e' 'o' wa new ps o ch

**Co** *ff* pitch: around g, top line  
 4 11 7 3  
 4 8 8 4  
 'e' wa new ps o ch  
 tongue roll slightly lower pitch to produce beatings

**T** gin-ning there was light in the be - gin - ning there was light in the be - gin - ing there was light  
*f* *mp*  
 t k t k mmm

**Br** gin-ning there was light in the be - gin - ning there was light in the be - gin - ing there was light  
*f* *mp*  
 t k t k mmm  
 low drone - fast tremolo

**B** gin-ning there was light in the be - gin - ning there was light in the be - gin - ing there was light  
*p*  
 (same as before)

~6 sec.

$\text{♩} = 92$

**S** 3/4 2/4 2/4 5/8 6/8 7/8 5/8 6/8  
random vowels  
sine tones

**A** ps o ch random vowels

**Co** 3/4 2/4 2/4 5/8 6/8 7/8 5/8 6/8  
ps o ch random vowels

**T** f mp  
t k t k mmm

**Br** 3/4 2/4 2/4 5/8 6/8 7/8 5/8 6/8  
f mp pp patch change 2  
t k t k mmm (low growl)

**B** low drone - slow tremolo

~11 sec.

x8

x12

$\text{♩} = 184$

**S** 6/8 7/8 2/4 3/4 2/4 3/4  
voiced f

**A** mf  
t k t k t k t k

**Co** 6/8 7/8 2/4 3/4 2/4 3/4  
mf (now spoken not whispered)  
in the be - gin - ning there was light (X3) in the be - gin - ning of night  
in the be - gin - ning right (X3) in the be - gin - ning of night (X3)  
in the be - gin - ning right (X3) in the be - gin - ning of night (X3)  
in the be - gin - ning of light (X3) in the be - gin - ning of right (X3)  
live - high squeaky effect applies to Co and Br

**T** f (whisper) mf (now spoken not whispered)  
in the be - gin - ning there was light (X3) in the be - gin - ning of night in the be - gin - ning there was light (X3) in the be - gin - ning right (X3) in the be - gin - ning of night (X3)  
in the be - gin - ning right (X3) in the be - gin - ning of night (X3)  
in the be - gin - ning of light (X3) in the be - gin - ning of right (X3)

**Br** 6/8 7/8 2/4 3/4 2/4 3/4  
mf (now spoken not whispered)  
in the be - gin - ning there was light (X3) in the be - gin - ning right (X3) in the be - gin - ning of light (X3) in the be - gin - ning of right (X3)

**B** f (whisper) low and growly mp  
in the be - gin - ning there was light (X3) in the be - gin - ning of night in the be - gin - ning there was light (X3) in the be - gin - ning right (X3) in the be - gin - ning of night (X3)  
in the be - gin - ning right (X3) in the be - gin - ning of night (X3)  
in the be - gin - ning of light (X3) in the be - gin - ning of right (X3)







x4

x5

x3

**S** 5/8 2/4 4/4 3/4

**A** rrrrrr an-y 'd' - 'v' - 'd' sweet il-li-ne 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' continue d's over fermata

**Co** 5/8 2/4 4/4 3/4

*mf* im - me an-y 'd' - 'v' - 'd' sweet il-li-ne 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' continue d's over fermata

**T** t k t k t k t k t k t k t k t k rrrrrr crescendo over all the repeats *ff* sustain over fermata patch change 3

**Br** 5/8 2/4 4/4 3/4

*mf* im - me

**B** 5/8 2/4 4/4 3/4

*mf* im - me an-y 'd' - 'v' - 'd' sweet il-li-ne 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' 'd' continue d's over fermata

♩ = 140

**S** 3/4

match the pitch of the sound file you have triggered *mp* non vib.

**A** mmm mmm mmm pan L

sing a minor second lower than the sound file *mp* non vib.

**Co** 3/4

mmm mmm mmm pan R

**T** *mf* there was light there was light there was light there was light there was light there was light there was light there was light there was light there was light there was light there was light simile

**Br** 3/4 *mf* there was light there was light there was light there was light there was light there was light there was light there was light there was light there was light there was light there was light simile

**B** *f* there was light there was light there was light there was light there was light there was light there was light there was light there was light there was light there was light there was light simile

**S** 7  
8

**A** *mmm* *mmm*

**Co** *mmm* *mmm* 7  
8

**T**  
there was light there was light there was light there was light there was light there was light there was light there was light there was light te te te te te te te te te

**Br** 7  
8  
there was light there was light there was light there was light there was light there was light there was light there was light there was light te te te te te te te te te

**B**  
there was light there was light there was light there was light there was light there was light there was light there was light there was light

**S** 7  
8 9  
8 6  
8

**A** *mmm* *mmm* *mmm* *mmm*

**Co** 7  
8 9  
8 6  
8 *mmm* *mmm* *mmm* *mmm*

**T**  
te te te te te te te te te te know if you need know if you need know if you need new if you need new if you need do if you need do if you need

**Br** 7  
8 9  
8 6  
8  
te te te te te te te te te te know if you need know if you need know if you need new if you need new if you need do if you need do if you need

**B**  
know if you need know if you need know if you need new if you need new if you need do if you need do if you need

64

**S** *mf* **5**  
**4**

**A** *mmm* 'd' 'd' 'd' 'd' 'd'... (repeat, constantly speeding up and slowing down)

**Co** *mmm* **5**  
**4**

**T** do you need do you need do you need do to me do to me do to me eight-een me eighteen me eighteen me eight-een me eighteen me eighteen

**Br** do you need do you need do you need do to me do to me do to me eight-een me eighteen me eight-een me eight-een me eighteen me eighteen **5**  
**4**

**B** do you need do you need do you need do to me do to me do to me eight-een me eighteen me eighteen me eight-een me eight-een me eighteen

68

**S** **5**  
**4** bend up a major 2nd → back to original pitch → bend up a major 2nd

**A** 'd' 'd' 'd' 'd' 'd'... 'd' 'd' 'd' 'd' 'd'...

**Co** **5**  
**4** *mmm* *mmm*

**T** *mf* matching the pitch in the sound file stagger breaths with soprano

**Br** **5**  
**4**

**B**

73

back to original pitch      bend up a major 2nd      back to original pitch      bend up a major 2nd

**S**

**A** *mp*

**Co** *mmm* *mmm*

**T**

**Br** patch change 4

**B** *mp*

79  $\text{♩} = 184$  **x3**      a little faster **x3**       $\text{♩} = 184$  **x2**

**S**

**A**

**Co** *mf*  
man - y on - ions      min - i - ons      mi mi mi mi mi mi      mi mi mi mi mi mi mi  
live - high squeaky effect applies to Co and Br      no no

**T**

**Br** *mf*  
man - y on - ions      min - i - ons      mi mi mi mi mi mi      mi mi mi mi mi mi mi      no no

**B**

**S**  $\frac{2}{4}$   $\frac{3}{4}$  *ff* *mp* approximate pitch  
t k t k t k t k t k min - i - ons

**A** *f* chromatic and microtonal deviation  
(random vowels)  
percussion sounds

**Co**  $\frac{2}{4}$   $\frac{3}{4}$  *ff*  
rem - i - nisc - ing (X3) you in hai - ti 'u' 'n' 'c' 'g' min - i - ons  
lem - on an - y thing (X3)  
lem - on eat - ing (X3)  
lim - i - nat - ing (X3)  
nine - teen nine - ty (X3)  
il - lu - mi - na - ti (X3)  
you in hai - ti (X3)  
you in hai - ti (X3)

**T** *f* chromatic and microtonal deviation  
(random vowels)

**Br**  $\frac{2}{4}$   $\frac{3}{4}$  *mf*  
rem - i - nisc - ing (X3) you in hai - ti 'u' 'n' 'c' 'g' 'u' 'n' 'c' 'g'  
lem - on an - y thing (X3)  
lem - on eat - ing (X3)  
lim - i - nat - ing (X3)  
nine - teen nine - ty (X3)  
il - lu - mi - na - ti (X3)  
you in hai - ti (X3)  
you in hai - ti (X3)

**B** *mf*  
t k t k t k t k t k t k t k begin begin be - gin begin - ning about  
cymbal sound file

**S** *ff* *mp* approximate pitch *ff* *mp* approximate pitch *ff*  
min - i - ons 'm'-'m' - 'm' 'm' 'm' 'm' rem - i - nisc - ing  $\frac{2}{4}$

**A**

**Co** *ff* *ff* *ff*  
min - i - ons 'm'-'m' - 'm' 'm' 'm' 'm' rem - i - nisc - ing  $\frac{2}{4}$

**T**

**Br** *ff* *ff* *ff* perform these phrases as fast as possible in there approximate visual location  
'u' 'n' 'c' 'g' no in - si - du - al at the end there was no no no individual  $\frac{2}{4}$

**B** *ff* *ff* *ff*  
get - ting about get - ting up up get - ting up up get - ting look up get - ting look up low look get - ting low up you look

**S** *ff* *mp* approximate pitch *ff* *mp* approximate pitch *ff* *mp* approximate pitch  
 2/4 3/2 3/4 2/2  
 rem-i-nisc-ing lem-on eat-ing e-lim-i-nat-ing

**A**

**Co** *ff* *ff* *ff*  
 2/4 3/2 3/4 2/2  
 rem-i-nisc-ing lem-on eat-ing e-lim-i-nat-ing

**T**

**Br** 2/4 3/2 3/4 2/2  
 no no no individual no individual no individual at the end of a slut no in the beginning of a slut in the beginning of a slut

**B**  
 get-ting you look get-ting e-gypt a-gain e-gypt a-gain e-gypt a-gain e-gypt a-gain e-gypt a-gain e-gypt a-gain e-gypt a-gain with ships e-

**S** *ff* *ff* *ff*  
 2/2 3/4 2/4 2/2  
 nine-teen nine-ty il-lu-mi-na-ti no you in hai

**A**

**Co** *ff* *ff* *ff*  
 2/2 3/4 2/4 2/2  
 nine-teen nine-ty il-lu-mi-na-ti no you in hai

**T**

**Br** 2/2 3/4 2/4 2/2  
 in the beginning of light in the beginning night in the beginning right in the beginning there was light in the beginning right in the beginning night in the beginning of light

**B**  
 gypt a-gain with ships e-gypt a-gain with ships each is the con-di tion each is the con-di tion each is the con-di tion dig-ni-ty to chips dig-ni-ty to chips dig-ni-ty to

**S** *ff* ti no *ff* you in hai - ti

**A**

**Co** *ff* ti no *ff* you in hai - ti

**T**

**Br**  $\frac{2}{2}$  in the beginning of a slut  $\frac{3}{4}$  no in the beginning of a slut at the end of a slut in the beginning night in the beginning of light in the beginning right

**B** chips he just the cut - est be - gin be - gin be - gin - ning a - bout get - ting a - bout get - ting up up get - ting

**S** *ff* 'u' 'n' 'e' 'g'  $\frac{2}{4}$   $\frac{2}{2}$  *ff* 'u' 'n' 'e' 'g'  $\frac{3}{4}$   $\frac{4}{4}$

**A**

**Co** *ff* 'u' 'n' 'e' 'g'  $\frac{2}{4}$   $\frac{2}{2}$  *ff* 'u' 'n' 'e' 'g'  $\frac{3}{4}$   $\frac{4}{4}$

**T**

**Br** in the beginning of light in the beginning there was light in the beginning night in the beginning of light  $\frac{3}{4}$  in the beginning night  $\frac{4}{4}$

**B** up up look up get - ting look up low look get - ting low up e - gypt a - gain with ships egypt a - gain with ships each is the con - di - tion in - *mp* (whisper)



**S** 4/4 2/4

**A** *f*  
in the be gin - ning in the be - gin - ning in the be - gin - ning

**Co** 4/4 2/4

**T**

patch change 5

**Br** 4/4 2/4  
*f*  
in the be gin - ning in the be - gin - ning in the be - gin - ning

**B** speak slowly  
dus the beginning *mp* in - dus the beginning con - testaba gamin con -  
low drone

**S** 2/4 7/8 10/8  
*p*  
take pitch from sample  
minioinimi...  
vocal sample

**A** *pp* *f* *pp*  
t k t k t k t in the be - gin - ning t k t k  
live - distortion / noise gate

**Co** 2/4 7/8 10/8  
t t t t

**T** *f*  
t t t t t t t

**Br** 2/4 7/8 10/8  
in the be - gin - ning  
low drone - fast tremolo

**B** testaba be - ginning in - con - test - able giv - ing



**S** 10 7 6  
8 8 8

vocal sample

**A** *pp*  
t k t k t k t

same as measure 52  
*mp*  
mmm  
sound file

**Co** 10 7 6  
8 8 8

(long inhale)

**T** t t t t t t t t t

(long inhale)

**Br** 10 7 6  
8 8 8

(long inhale)

**B** 8:7 (long inhale) 8:7  
s s s s s s s s s s s s s s s s

**S** 6 4  
8 4

at the end there was noth - ing if

**A** *pp* same as measure 52 *mp* *pp*  
t k t k t k t mmm t k t mmm

**Co** 6 4  
8 4

**T** t t t t t t t *mp*  
t k t k t k t k

**Br** 6 4  
8 4

at the end there was 'u' - 'u' if

**B** *f*  
at the end there was noth - ing if





x6

x4

153

a little faster

♩ = 122

♩ = 122

**S**

15 8 3 4 15 8

claps

don't match pitches. stay on the same pitch.  
randomly displace the soprano line an eighth note before or after the alto's attacks every 4 or 5 beats

**A**

mf mp

a a a a do you need do to

**Co**

ff mp ff

molto molto vibrato

te te te te te te te te te te In the be - gin ning in the be - gin ning in

synth sound

**T**

ff mp mp

high jiberish. as fast as possible.

te te te te te te do you need do to me

patch change [7]

**Br**

ff ff f

te te te te te te te te te te In the be - gin ning in the be - gin ning

percussion sounds

**B**

ff ff f

te te te te te te te te te te In the be - gin ning in the be - gin ning

cymbal and scratch sound file

158

**S**

**A**

me eight teen eight

**Co**

mf

the be - gin ning in the be - gin ning in in the be - gin - ning in the be - gin - ning

**T**

f mp f

eight- te te te te-te teen me eight te te

**Br**

mf

in the be - te te te te te in the be - gin ning te in the be - gin ning in the be - gin ning

**B**

in the be - te te te te te - in the be - gin ning te te

**S**

**A**

**Co**

**T**

**Br**

**B**

6/8 4/4

*ff*

ke ke ke ke get-ting ke ke ke ke ke ke ke ke get-like ke ke ke ke

in the 'd' 'd' ke ke ke ke ke ke ke ke in the 'd' 'd' ke ke ke ke ke ke ke ke

ke ke ke ke ke ke ke ke ke ke ke ke ke ke ke ke ke

ke ke ke ke ke ke ke ke off ke ke ke ke ke ke ke ke off like in the 'd' 'd'

**S**

**A**

**Co**

**T**

**Br**

**B**

*mp*

random vowels

random vowels

ke ke ke ke sleep ke

e-nough ke

get ke

ke ke





~2 sec.

~2 sec.

**S** 2/4 4/4 2/4 4/4 2/4 4/4

**A** ke ke low drone

**Co** 2/4 4/4 2/4 4/4 2/4 4/4

**T** as fast as possible. smear the sounds together. monotone. (no breath) indian 'e' 'e' 'e' in 'd' 'd' 'd' 'd' 'd' any be 'e' 'e' 'e' in any be 'e' 'e' 'e'

**Br** 2/4 4/4 2/4 4/4 2/4 4/4

**B** ke ke

~2 sec.

~2 sec.

♩ = 184

x6

**S** 4/4 2/4 4/4 2/4 3/4

**A** in the be - gin - ning

**Co** 4/4 2/4 4/4 2/4 3/4

**T** an - y be 'e' 'e' 'e' 'ah' in an - y be 'e' 'e' in - dus the beginning

**Br** 4/4 2/4 4/4 2/4 3/4

**B**

indus the beginning /  
at the end there was getting /  
indus the beginning /  
incontestable giving /  
at the end there was getting /  
contestaba beginning /

