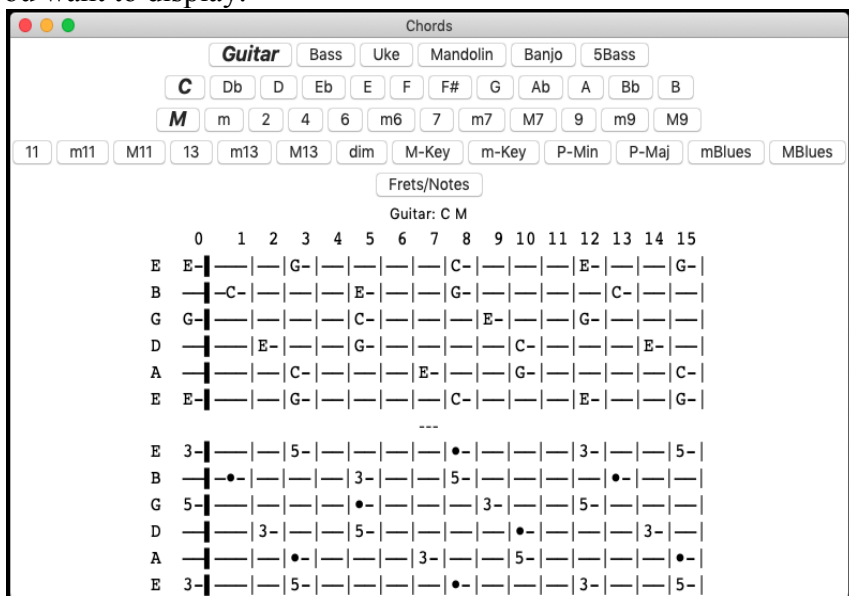


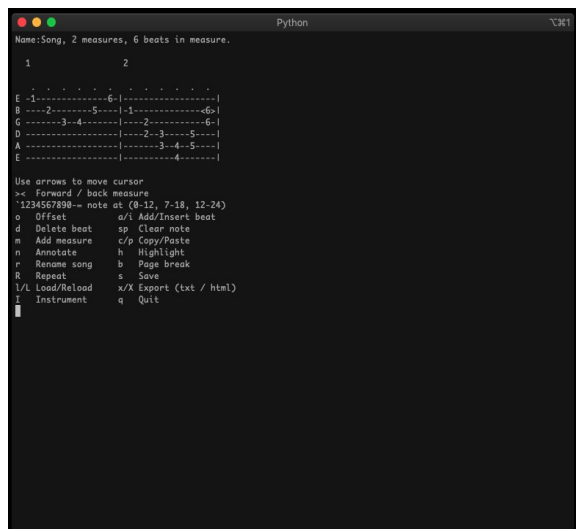
A few music related utilities I've written. I wrote them using Python 2 but they run with Python 3.

Greg Girardin  
Auburn, ME  
January 2020

**chords.py** - A python fretboard display utility. Uses tkInter. Click the instrument, key and chord/scale you want to display.



**tab.py** – Terminal based tablature creator for quickly getting down ideas. Tab can be export as txt or html.



**setlist.py** - Allows you to generate an html setlist file from lyrics.

Put all of your lyrics as txt files in a directory.

```
Gregs-MBP:chords ggrandin$ ls
AdayInTheLife.txt      CutsLike.txt          Hot Girls In Love.txt  NeverLetMeDown.txt    SummerBreeze.txt
AceOfSpades.txt        Dano.txt              House Is a Rockin.txt  NeverTearUApout.txt   SummerOf69.txt
Aint Talkin Bout Love.txt  DannySong.txt         HowSoonIsNow.txt       NoMatterWhat.txt       Sunshine.txt
AintNoSunshine.txt       DearMrFantasy.txt     HurtSoGood.txt          NoManaNuCry.txt       Superstitious.txt
AllDayAllNight.txt       DevilAndADeLight.txt  IAllone.txt            NorwegianRoad.txt     Surly Joe.txt
AllThaHeavenWillAllow.txt  DoltAgain.txt         ICanSeeClearlyNow.txt  Old Man Down the Road.txt  Symphony Of Destruction.txt
AllTheseThingsIveDone.txt  DontDreamLsOver.txt   IloveRockAndRoll.txt  OldMan.txt            TNT.txt
AllThingsAllAtOnce.txt    DontLetMeDown.txt     ItIllCreforYou.txt    One Of Us.txt         TequilaSunrise.txt
American Band.txt        DontYouForgetAboutMe.txt  IWillFollow.txt       One Way Out.txt       Tearkens.txt
AmericnGirl.txt          Drive-Cars.txt         If.txt                 OneThingLeads.txt     The Middle.txt
Amie.txt                 Drive-Tenous.txt       InAFire.txt            OneWayOrAnother.txt   The Voice.txt
AndILoveller.txt        AreYouGonnaBeMG.txt    Inmigrant.txt          PFree.txt             TheGumbler.txt
AreYouGonnaBeMG.txt       EightDaysAWeek.txt    InterstateloveSong.txt  Preee.txt             TheLetter.txt
AreYouGonnaBeMG.txt       EndOfTheLine.txt      IsProbablyMe.txt       Paralyzer.txt          TheOneLove.txt
AuthoritySong.txt         Enter Sandman.txt      Jailbreak.txt           Paramoid.txt           TheHordIKnow.txt
Babyon.txt               Everybody Wants Some.txt  JealousGoin.txt        Piece of Your Action.txt  Thunderkiss.txt
BackInTheUSSR.txt        Everybody Wants You.txt  Jenny.txt              PlayThatFunky.txt     TimMan.txt
BadCaseOfLoveYou.txt     EverythingAboutYou.txt  JohnnyGoode.txt         PleaseComeToBoston.txt  TractorsSexy.txt
BadFish.txt              FcksPlasticTrees.txt   JustRemember.txt       Plush.txt              TrainingsRollin.txt
BakersStreet.txt         FollowMe.txt           KeepYourHandsToYourself.txt  PrettyWoman.txt       Trouble.txt
BedsAreBurning.txt       FastAsYou.txt          Knights.txt             Pride And Joy.txt      Tush.txt
BetterBelongsSoon.txt    FireOnTheMountain.txt  Kryptonite.txt         Purple Rain.txt        TwilightZone.txt
Black Betty.txt          FlagpoleSitta.txt       LaRange.txt            Radioloxue.txt        TwoPines.txt
Blackbird.txt            FooladRound.txt        LeadMe.txt             RebelRebel.txt         UnderTheMilkyWay.txt
BobbyMcGee.txt          ForTheSummer.txt       LetsDance.txt          RebelVell.txt          UntilTheEndOfTheWorld.txt
BornToBeWild.txt        Fragile.txt             Life During Martine.txt  RedAin.txt            Untitled.txt
Brain Stew.txt           Free.txt                LetsGoCrazy.txt        RidersOnTheStorm.txt   VenturesHighway.txt
BreakinTheLaw.txt       FriendOfTheDevil.txt    Lights.txt              Ripple.txt             WannasSedated.txt
BrownSugar.txt           Gal.txt                 LikeAStone.txt          Roadhouse Blues.txt   Warning.txt
CaliforniaDreamin.txt    GetMeUnderPressure.txt  LikeASoulYou.txt       Rock And Roll.txt     We Die Young.txt
ContGetEnough.txt       GirlLikeYou.txt         LogicalSong.txt         Round And Round.txt   WeCanWorkItOut.txt
ConelessWhisper.txt     GdYtAGnLe.txt          LongGoneDay.txt        Runaround.txt          WeJustDisagree.txt
CastlesInTheAir.txt      Good.txt                Looks That Kill.txt     SafetyDance.txt        What I like about you.txt
ChasingCars.txt          Hand In Pocket.txt      LoveIsAlive.txt         SameOldSongAndDance.txt  WhatIsIt.txt
ChipmewyTheStone.txt    HandleWithCare.txt      LoveMeTwoTimes.txt     Sandman.txt            WhatYouNeed.txt
ClosingLine.txt          Hard To Handle.txt      LoveSong.txt            SecretAgentMan.txt     WhatYouWantDo.txt
Cold Gin.txt             HarderTheyCome.txt     LoverYouShouldHave.txt  SellingTheDrama.txt    When I Come Around.txt
Colorblind.txt           HarvestMoon.txt         LuckyMan.txt            Shanty.txt             Where The River Flows.txt
Come Out And Play.txt    HeartOfTheMatter.txt   LucyInTheSky.txt       SharpDressedMan.txt    Whole Lotta Rosie.txt
ComeMonday.txt           HelloItsMe.txt         MachineHead.txt         Shimmer.txt            Wicitalinman.txt
Comedown.txt            HereComesTheSun.txt     MadWorld.txt           ShaveIt.txt            Wicked Garden.txt
Cool Water.txt           HereIthoutYou.txt      Man In The Box.txt     Slagghammer.txt       WickedGame.txt
CoolChange.txt          HereWithYourBestShot.txt  Moby Dick.txt          SmellsLikeTeen5.txt   WishYouwereHere.txt
Crackman.txt            HoldinBackTheYears.txt  MyOwnMorstienemy.txt   SmoothOperator.txt     WishOWhitoutYou.txt
Crazy From.txt          HorseWithNoName.txt    Never Gonna Stop.txt   SomeKindWonderful.txt  Wonderland.txt
Crazy(Geo).txt           Holiday.txt             MySharon.txt           StuckInTheMiddle.txt  WorkingForTheWeekend.txt
CryMeATiver.txt         HomeWork.txt           MysteriousRays.txt     SugarSugar.txt         WrappedaroundYourFinger.txt
Crying.txt              HorseWithNoName.txt    Never Gonna Stop.txt   SugarSugar.txt         Yellow.txt
Cumbersome.txt           HorseWithNoName.txt    Never Gonna Stop.txt   SugarSugar.txt         You May Be Right.txt
Gregs-MBP:chords ggrandin$
```

In a terminal window run setlist.py from your lyrics directory. It will scan the local directory for lyrics (.txt files) and these will show up in the library.

```
Python
Setlist:SetList

-- Library --
AdayInTheLife      AceOfSpades      Aint Talkin Bout Love  AintNoSunshine
AllDayAllNight     AllThaHeavenWillAllow  AintNoSunshine      AllThingsAllAtOnce
American Band      AmericanGirl     Amie                  AndILoveller
AreYouGonnaBeMG     AreYouGonnaBeMG  AuthoritySong         Babylon
BackInTheUSSR      BadCaseOfLoveYou  BadFish              BakerStreet
BedsAreBurning     BetterBelongsSoon  Black Betty          Blackbird
Brain Stew          BetterBelongsSoon  BobbyMcGee           BornToBeWild
BreakinTheLaw      BreakinTheLaw    BrownSugar           CaliforniaDreamin
ContGetEnough      CarelessWhisper  Brownsugar            ChasingCars
ChipmewyTheStone   ChasingCars      Cold Gin             ColorMyWorld
Colorblind          Come Out And Play  ComeMonday           Comedown
```

Press '?' to see the available commands.

```
CastlesInTheAir    ChasingCars        ChipAwayTh
ColdGin            ColorMyWorld       Colorblind
ComeOutAndPlay     Comedown           CoolChange

aA  - Add/delete a set.
os  - Open/save.
mM  - Move song/set.
nN  - Name the set/list.
cCp - Copy to/Clear/Paste from Library.
R   - Remove song.
x,X - Export.
df  - back/fwd multiple.
t   - aNnotation.
~1234 - Jump to library/set.
h   - Toggle highlight.
S   - Clone set.
/   - Search.
q   - Quit.

```

Name your list by pressing 'N'. This will be the filename.

Add sets with "a". Navigate to the Library with the up/down/left/right/d/f

You can jump to a specific set by pressing '12345..', you can jump to the library by pressing ~.

Name your sets by pressing 'n' while the cursor is in the particular set.

```
Python  C#1
Setlist:BandSetlist

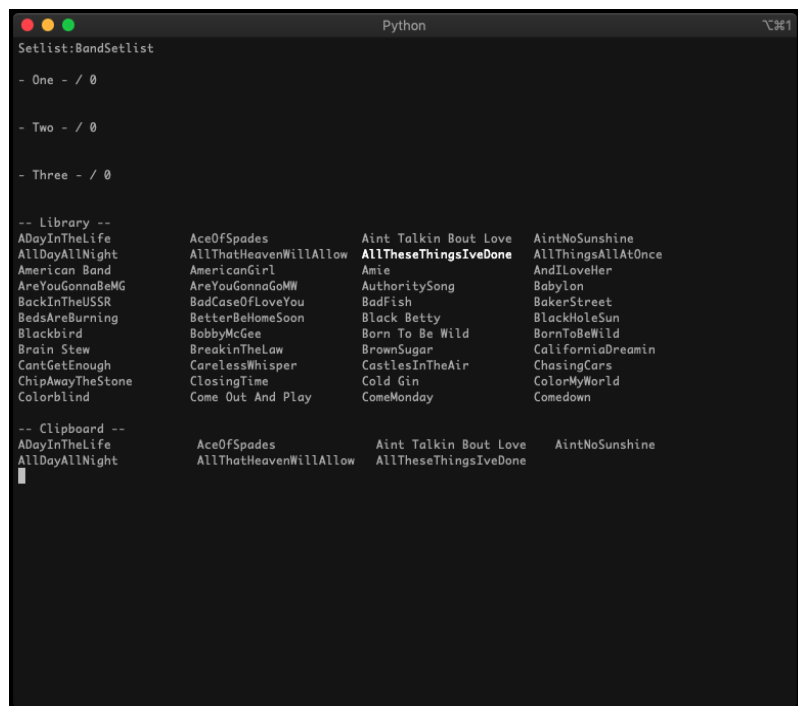
- One - / 0

- Two - / 0

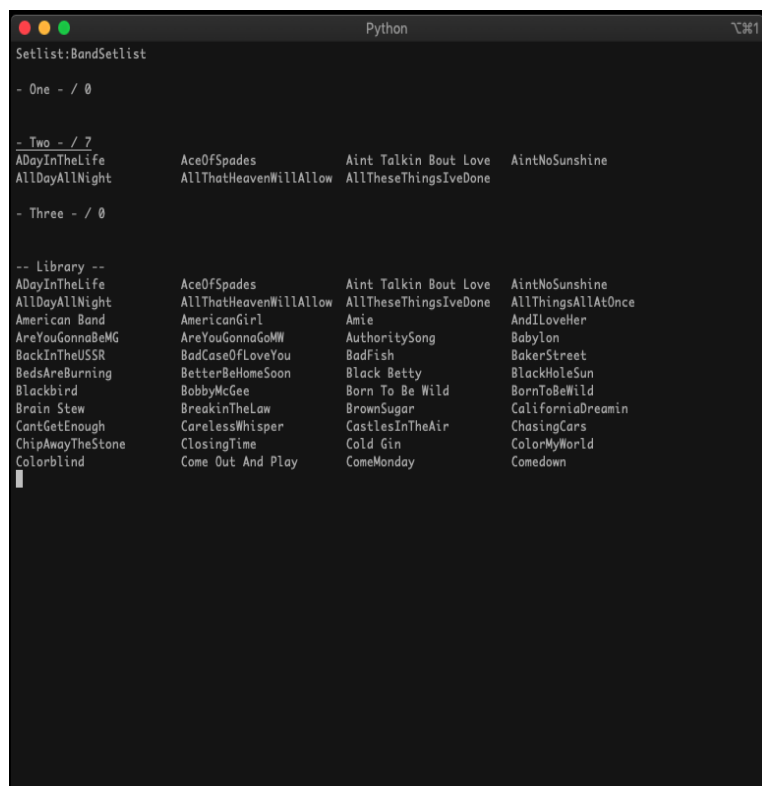
- Three - / 0

-- Library --
ADayInTheLife    AceOfSpades        Aint Talkin Bout Love  AintNoSunshine
AllDayAllNight   AllThatHeavenWillAllow AllTheseThingsIveDone  AllThingsAllAtOnce
American Band    AmericanGirl        Amie                   AndILOveHer
AreYouGonnaBeMG   AreYouGonnaGoMW      AuthoritySong          Babylon
BackInTheUSSR    BadCaseOfLoveYou    BadFish               BakerStreet
BedsAreBurning   BetterBeHomeSoon    Black Betty           BlackHoleSun
Blackbird        BobbyMcGee          Born To Be Wild       BornToBeWild
Brain Stew       BreakinTheLaw        BrownSugar            CaliforniaDreamin
CantGetEnough    CarelessWhisper     CastlesInTheAir       ChasingCars
ChipAwayTheStone ClosingTime          Cold Gin              ColorMyWorld
Colorblind       Come Out And Play   ComeMonday            Comedown
```

Navigate to the library. Add songs to the clipboard by pressing 'c' with the cursor over the desired song.



Paste the clipboard by navigating to the desired location in the desired set and pressing 'p'.



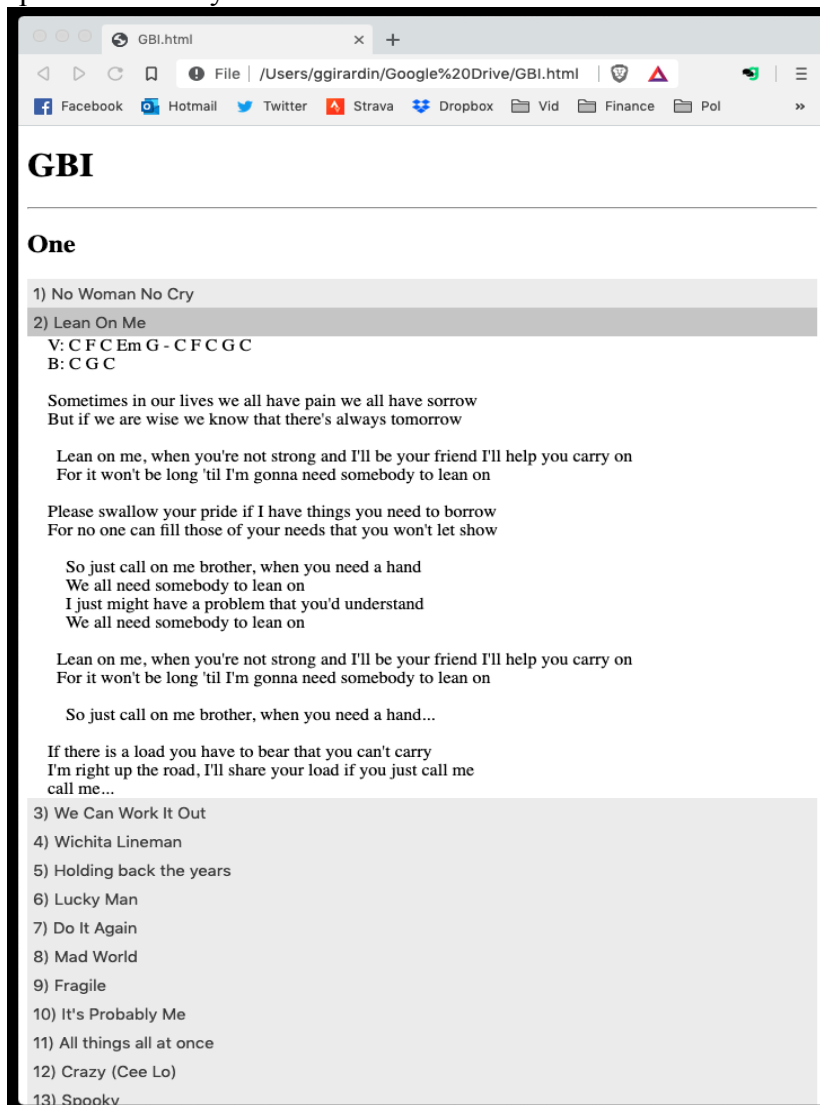
Songs can be rearranged in the set by moving the cursor over the song and pressing 'm'. Move the song to the desired location and press 'm' again to return to cursor to normal mode. Sets can be rearranged by pressing 'M'. Press 'M' again to return to normal mode.

If a song is in the setlist more than once it will be highlighted in blue. If you're in the library and the song you're on is already in the setlist the song will be highlighted.

If you wish to highlight songs. Press 'h' with the cursor over the song. These songs will show up as red in the exported setlist. This is useful for indicating which songs are homework, new, or what have you.

Once the setlist is complete, press 's' to save. A file called "BandSetList.set" will be generated. You can edit this setlist later by pressing 'o'.

Press 'x' to export the list. "BandSetList.html" will be placed in the current directory. This is your setlist to be viewed in a browser. Click / tap the song title (the title is the first line of each lyric file) to expand/hide the lyrics.



The screenshot shows a web browser window with the address bar displaying "GBI.html" and the file path "/Users/ggirardin/Google%20Drive/GBI.html". The browser's toolbar includes icons for Facebook, Hotmail, Twitter, Strava, Dropbox, and various folders like Vid, Finance, and Pol. The main content area is titled "GBI" and contains a list of 13 songs. The first two songs, "1) No Woman No Cry" and "2) Lean On Me", are highlighted in grey. The lyrics for "Lean On Me" are displayed below its title. The remaining songs in the list are "3) We Can Work It Out", "4) Wichita Lineman", "5) Holding back the years", "6) Lucky Man", "7) Do It Again", "8) Mad World", "9) Fragile", "10) It's Probably Me", "11) All things all at once", "12) Crazy (Cee Lo)", and "13) Spooky".

# GBI

## One

- 1) No Woman No Cry
- 2) Lean On Me  
V: C F C Em G - C F C G C  
B: C G C  

Sometimes in our lives we all have pain we all have sorrow  
But if we are wise we know that there's always tomorrow

Lean on me, when you're not strong and I'll be your friend I'll help you carry on  
For it won't be long 'til I'm gonna need somebody to lean on

Please swallow your pride if I have things you need to borrow  
For no one can fill those of your needs that you won't let show

So just call on me brother, when you need a hand  
We all need somebody to lean on  
I just might have a problem that you'd understand  
We all need somebody to lean on

Lean on me, when you're not strong and I'll be your friend I'll help you carry on  
For it won't be long 'til I'm gonna need somebody to lean on

So just call on me brother, when you need a hand...

If there is a load you have to bear that you can't carry  
I'm right up the road, I'll share your load if you just call me  
call me...
- 3) We Can Work It Out
- 4) Wichita Lineman
- 5) Holding back the years
- 6) Lucky Man
- 7) Do It Again
- 8) Mad World
- 9) Fragile
- 10) It's Probably Me
- 11) All things all at once
- 12) Crazy (Cee Lo)
- 13) Spooky

# Lyric Files

Lyrics files are text files with a .txt extension. The first line in the file must be the name of the song and will be used as the title of the song in the generated setlist (instead of the filename).

A few shortcuts that can be put in lyric files that setlist.py will interpret:

"c!" will be replaced with "Chorus"

"s!" will be replaced with "Solo"

"t!" will toggle usage of a fixed sized font (For tablature to keep it aligned)

“h!” will be replaced with “**Harmonica**”

You can also put in html tags as they will be pasted directly into the output file and the browser will simply interpret them.

For example, this txt file:

```
Sledgehammer
t!
B 10-----|-----|
G ---12-10-----|-----14-----|
D -----12-10-12----12-14-12-|10-12-14----14-12-10-12-|

I: D D Bb Bb/A G
V: D Bm
C: Bm C Em7
O: Dm Bb7 G7
t!

Hey use it, everybody use it!
You could have a steam train, if you'd just lay down your tracks.
You could have an aeroplane flying, if you bring your blue sky back.
All you do is call me I'll be anything you need.

You could have a big dipper, going up and down, around the bends.
You could have a bumper car bumping, this amusement never ends.

· I wanna be your sledgehammer. Why don't you call my name?
· Oh, let me be your sledgehammer, this will be my testimony.

Show me round your fruitcage 'cos I will be your honey bee.
Open up your fruitcage, where the fruit is as sweet as can be.

c!

s!

I've kicked the habit, shed my skin
This is the new stuff I go dancing in
Won't you show for me, I will show for you

You've been coming through, going to build that power
I've been feeding the rhythm..
Come on help me through...
```

Will look like this in the set list html:

## 1) Sledgehammer

B 10-----|-----|  
G ---12-10-----|-----14-----|  
D -----12-10-12----12-14-12-|10-12-14----14-12-10-12-|

I: D D Bb Bb/A G

V: D Bm

C: Bm C Em7

O: Dm Bb7 G7

Hey use it, everybody use it!  
You could have a steam train, if you'd just lay down your tracks.  
You could have an aeroplane flying, if you bring your blue sky back.  
All you do is call me I'll be anything you need.

You could have a big dipper, going up and down, around the bends.  
You could have a bumper car bumping, this amusement never ends.

I wanna be your sledgehammer. Why don't you call my name?  
Oh, let me be your sledgehammer, this will be my testimony.

Show me round your fruitcage 'cos I will be your honey bee.  
Open up your fruitcage, where the fruit is as sweet as can be.

### Chorus

### Solo

I've kicked the habit, shed my skin  
This is the new stuff I go dancing in  
Won't you show for me, I will show for you

You've been coming through, going to build that power  
I've been feeding the rhythm..  
Come on help me through...