

Personal Music and the Digital Age

Using Digital Devices for Music Playback

You may have CD's already but there is more.



Going,



Going,

Going,



Gone!



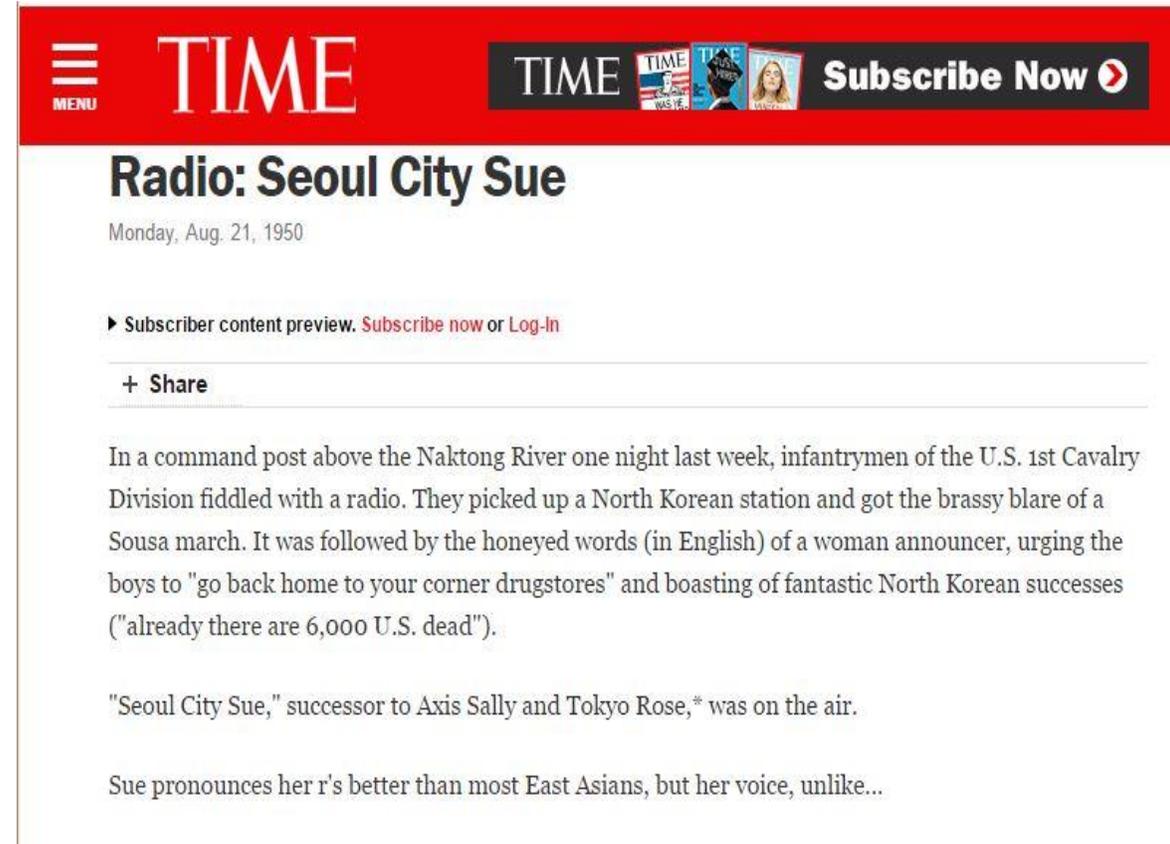
Though often attributed incorrectly to Shakespeare, the quote, "Musick has charms to soothe a savage breast," is the first line spoken by Almeria in Act I, Scene 1 of The Mourning Bride" a play by William Congreve in 1697. The statement itself is quite correct. Music soothes. First introduced to each of us in the womb as the drumbeat of the mother's heart, it becomes the beginning of our love for it and for the reassuring, soothing or stirring effect on us. Early man beat sticks against larger sticks, then matured into beating drums, blowing into hollow sticks, which the Australian aborigine descendants still do. This eventually migrated into wind, string and other instruments. We take music for granted today, and its effect is still stimulating or relaxing, sometimes even hypnotic. It can soothe after a disturbing event, or with directed drumbeats, it can stimulate us, even lead us into battle. I choose the former use. Personal note: Not so sure about rap.

Music has been used for both. I have always used music to relax and comfort me, used it to destress and even had it used on me by an enemy as an adjunct to radio propaganda during my combat tour in Korea, notably by the then infamous Seoul City Sue of North Korea, a former American Methodist missionary, (Anna Wallis Suh)' Note1. Radio Pyongyang would play popular and classical music then Sue would talk, trying to create dissent among the GIs, Note 2. Many GIs had radios when off the line and would listen to Radio Pyongyang for the comforting American music whenever their situation allowed. On one R&R to Japan I purchased and brought back a Grundig Majestic radio to plug in to rudimentary electric line in my tent. I and my tent mates loved the music and laughed at the comic propaganda.



Between music selections on Radio Pyongyang, Seoul City Sue propagandized that combatants wives' cheated on them while they were fighting the war, and often mentioned the names of fighting men specifying their recent activity in combat and then make threats of reprisal. The men that heard these threats just laughed it off. It was a compliment rather than a scare in their role in the war.

Several GIs and I were listening to Radio Pyongyang once when my full name and my most recent actions and those of a buddy were mentioned by Sue in a threat of reprisal, so I knew we and the others named were having a damaging effect on the enemy. That was music of a different sort to my ears.



TIME 

Radio: Seoul City Sue

Monday, Aug. 21, 1950

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In a command post above the Naktong River one night last week, infantrymen of the U.S. 1st Cavalry Division fiddled with a radio. They picked up a North Korean station and got the brassy blare of a Sousa march. It was followed by the honeyed words (in English) of a woman announcer, urging the boys to "go back home to your corner drugstores" and boasting of fantastic North Korean successes ("already there are 6,000 U.S. dead").

"Seoul City Sue," successor to Axis Sally and Tokyo Rose,* was on the air.

Sue pronounces her r's better than most East Asians, but her voice, unlike...

Access to music, due to musicians having to be paid or owned, was once limited to the wealthy for their enjoyment, or by the rulers/leaders for drum corps or bands to lead men to war or for parades to entertain and placate the populace. Today, we have personal access to paid public events, or from playback devices or radios. First the 78 RPM vinyl records and phonographs came along, then tape recorders with the Sony Walkman type portable players, an analog approach. Then music CDs and players came along, a more durable medium. Presently we have digital devices like the Apple iPods, iPads, and of course computers as sources of recorded music. With some manipulation, even Android tablets can become music players.



The plan today is to demonstrate some of the methods for moving music from CDs to the computer and using the computer to move it to portable devices. The methods work for all versions of Windows from Windows 95 through Windows 10, although the latest versions work best.

Why use the computer?

For storage, archiving playing the music, and especially for installing on compatible small portable devices and nowadays for archival storage on “The Cloud” (Dropbox, One Drive, etc.)

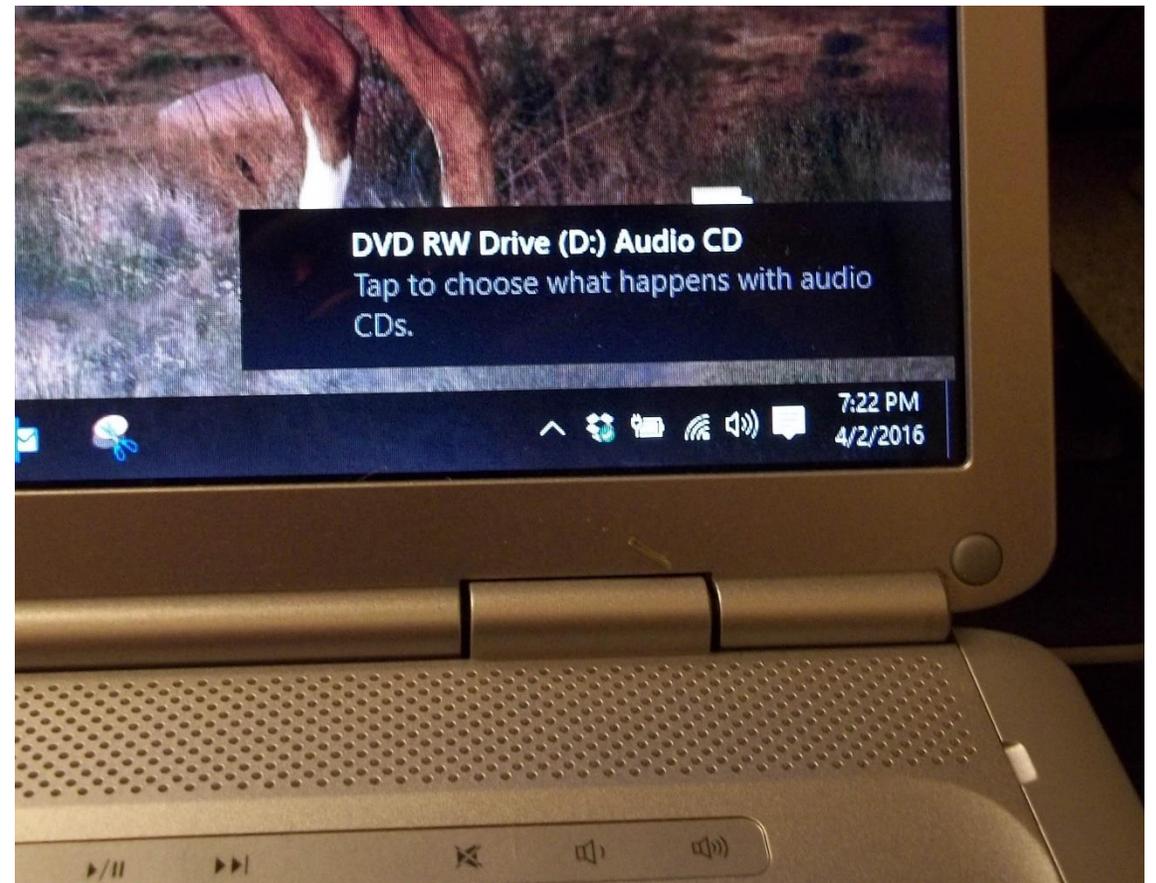


Portable digital devices include:
The Apple iPod, iPad, and iPhone.
Some non-Apple devices may be used as well.



We can take the music selections we have on non-Apple devices such as CDs and save them to the computer with the default Windows app or iTunes. Music once on the computer can be copied to all your devices, notebook, iPod, iPad, iPhone for free. One caveat. If the computer crashes, and you lose all the music stored on the hard drive, it can not be easily moved back to the computer from Apple devices. However there is software available that will accomplish that. One link can be found at Note 4. Music quality is determined by the user when copying from CDs. Better quality uses more disk space but the default quality when copying using Windows or iTunes is excellent.

There are 2 ways to put music from a CD onto your computer system. The first is the Windows native installation if the computer does not have iTunes. When a CD is inserted this is what you see on The desktop:



DVD RW Drive (D:) Audio CD

Choose what to do with audio CDs.



Play audio CD
Windows Media Player

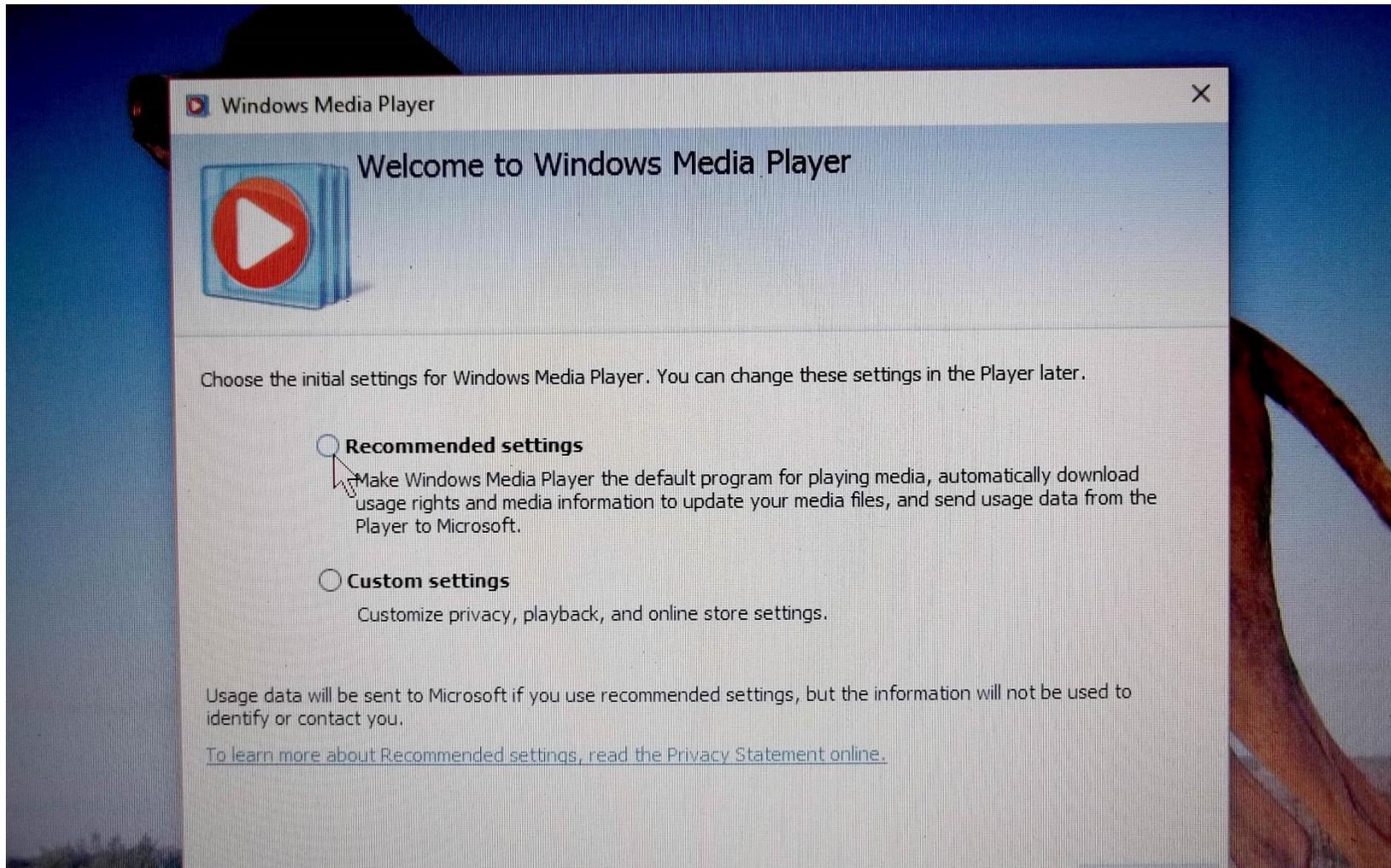


Import photos and videos
Dropbox



Take no action

**Click on it,
and it gives
you this
choice in
Windows.
Choose Play
Audio CD.**

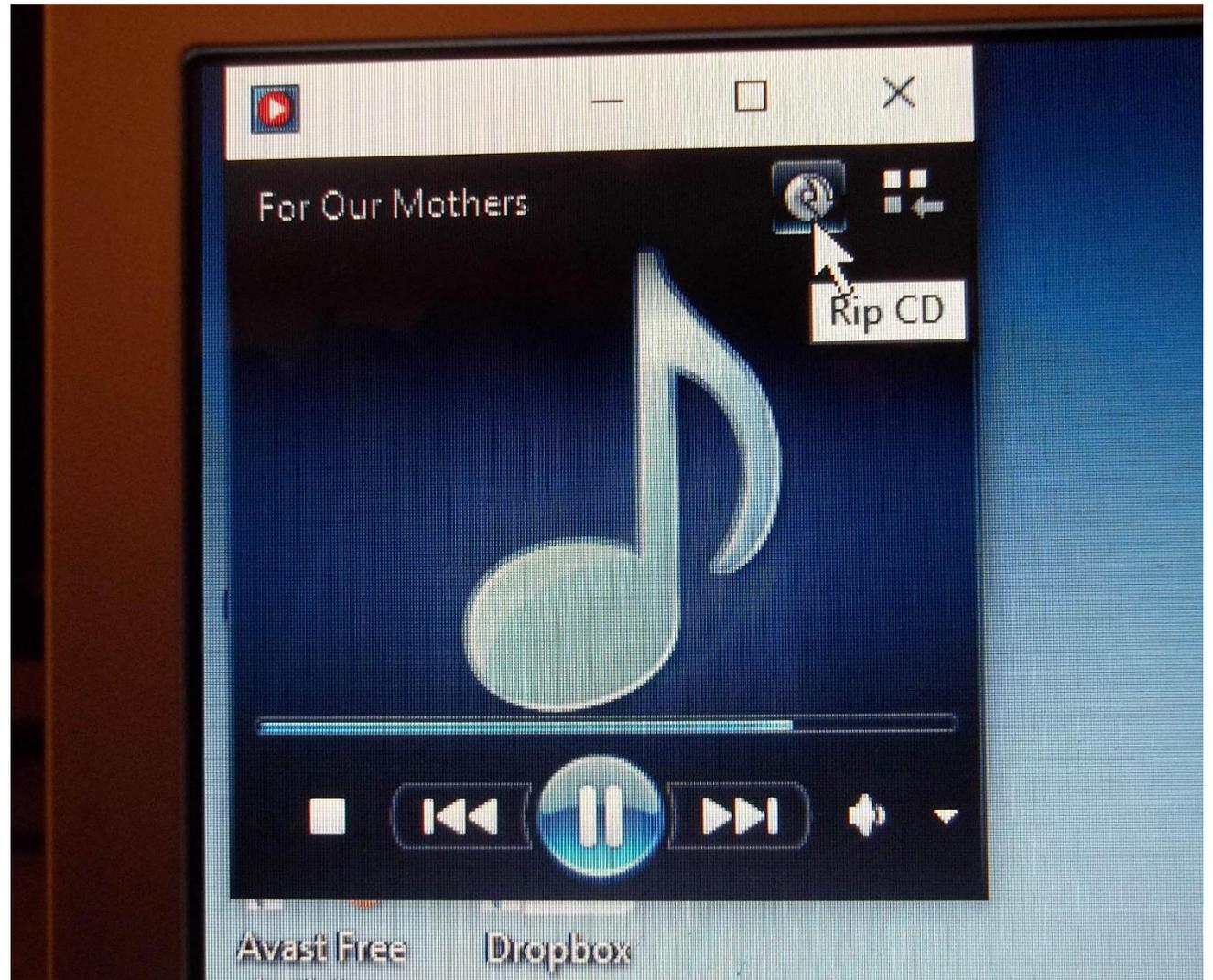


If this is the first time you tried to load a CD or other music device, you will likely be welcomed by Media Player.

Choose the recommended Setting,

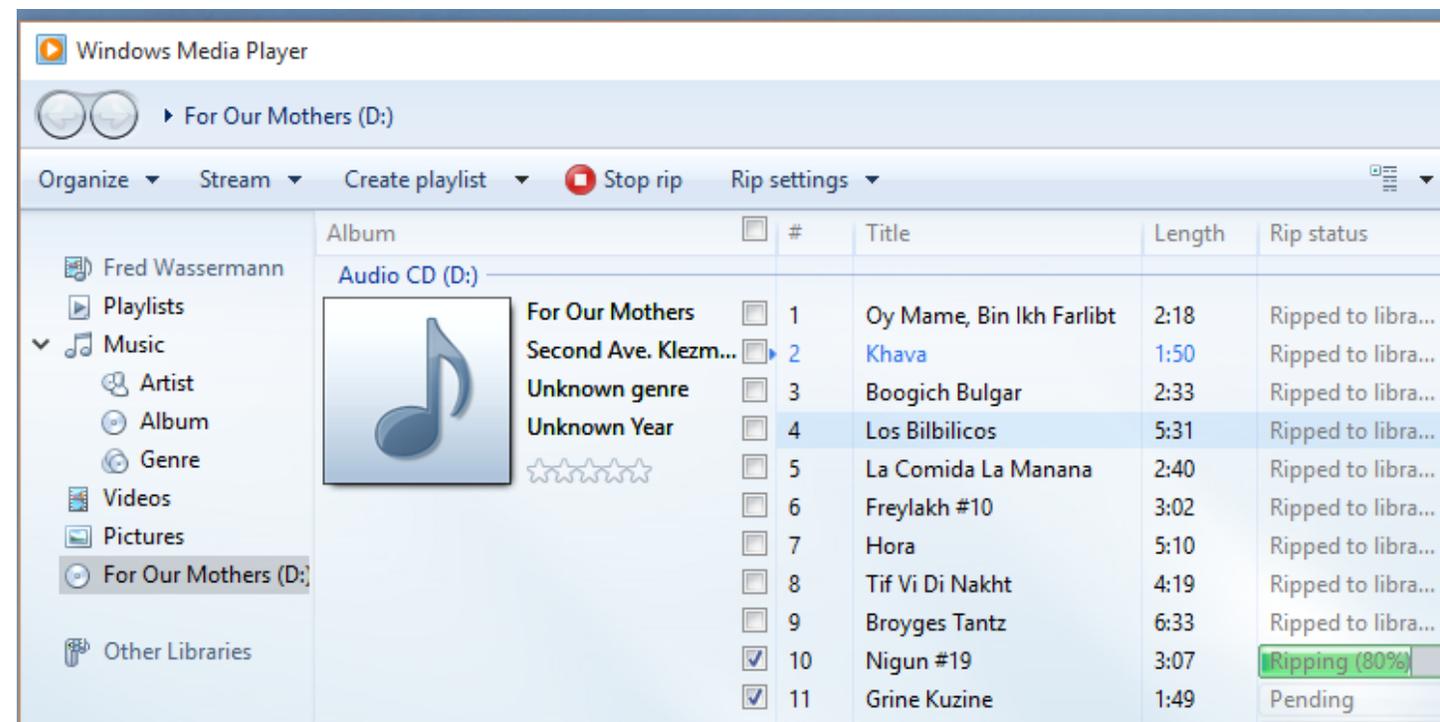
The next window then shows up, as it starts to play the CD, and gives some choices for play. It also displays the CD title. The upper icon offers you the opportunity to “Rip” the CD.

Ripping converts and stores contents as WMA files.



This window appears next, displaying the selections it is recording from the CD. The little boxes to the left of each selection are checked by default.

Uncheck those you don't wish to record.




 ▶ For Our Mothers (D:)

Play

Burn

Sync

 Organize ▾ Stream ▾ Create playlist ▾  Stop rip Rip settings ▾


Search



Album	#	Title	Length	Rip status	Contributing artist	Composer
Audio CD (D:)						
 For Our Mothers Second Ave. Klezm... Unknown genre Unknown Year ★★★★★	<input type="checkbox"/>	1	Oy Mame, Bin Ikh Farlibt	2:18	Ripped to libra...	Second Ave. Klezmer En...
	<input type="checkbox"/>	2	Khava	1:50	Ripped to libra...	Second Ave. Klezmer En...
	<input type="checkbox"/>	3	Boogich Bulgar	2:33	Ripped to libra...	Second Ave. Klezmer En...
	<input type="checkbox"/>	4	Los Bilbilicos	5:31	Ripped to libra...	Second Ave. Klezmer En...
	<input type="checkbox"/>	5	La Comida La Manana	2:40	Ripped to libra...	Second Ave. Klezmer En...
	<input type="checkbox"/>	6	Freylakh #10	3:02	Ripped to libra...	Second Ave. Klezmer En...
	<input type="checkbox"/>	7	Hora	5:10	Ripped to libra...	Second Ave. Klezmer En...
	<input type="checkbox"/>	8	Tif Vi Di Nakht	4:19	Ripped to libra...	Second Ave. Klezmer En...
	<input type="checkbox"/>	9	Broyges Tantz	6:33	Ripped to libra...	Second Ave. Klezmer En...
	<input checked="" type="checkbox"/>	10	Nigun #19	3:07	Ripping (80%)	Second Ave. Klezmer En...
	<input checked="" type="checkbox"/>	11	Grine Kuzine	1:49	Pending	Second Ave. Klezmer En...
	<input checked="" type="checkbox"/>	12	Yos'l, Yos'l	2:52	Pending	Second Ave. Klezmer En...
	<input checked="" type="checkbox"/>	13	Of Love and Loss II	4:49	Pending	Second Ave. Klezmer En...
	<input checked="" type="checkbox"/>	14	Romanian Hora and Bul...	4:56	Pending	Second Ave. Klezmer En...
	<input checked="" type="checkbox"/>	15	Hopkele	2:39	Pending	Second Ave. Klezmer En...
	<input checked="" type="checkbox"/>	16	Ikh Zing	3:35	Pending	Second Ave. Klezmer En...



Second Ave. Klezmer Ensemble

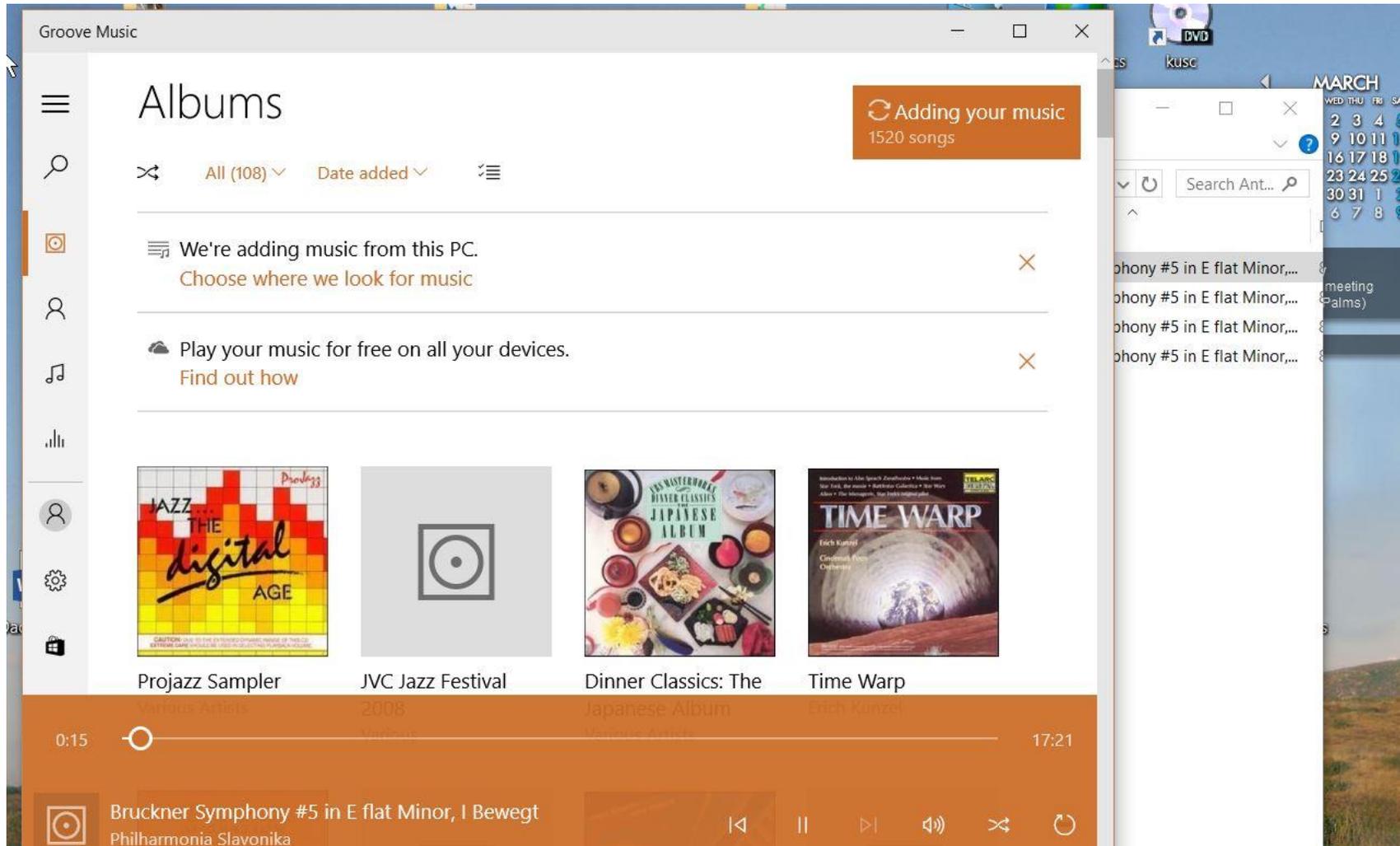
00:31



Ripping: 7 tracks remaining



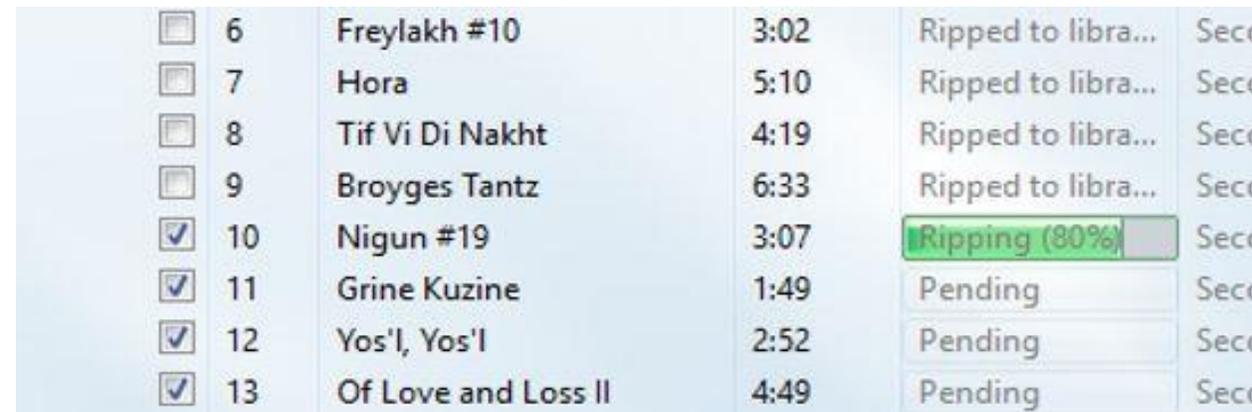
As you load a CD to save, a window may show while playing. Here Windows 10 is cataloguing your music to help in future searches for a piece of music and may show some saved CD liners from earlier



liners from earlier installed music if those CDs had the image data along with the music. Some listener controls are user available on it.

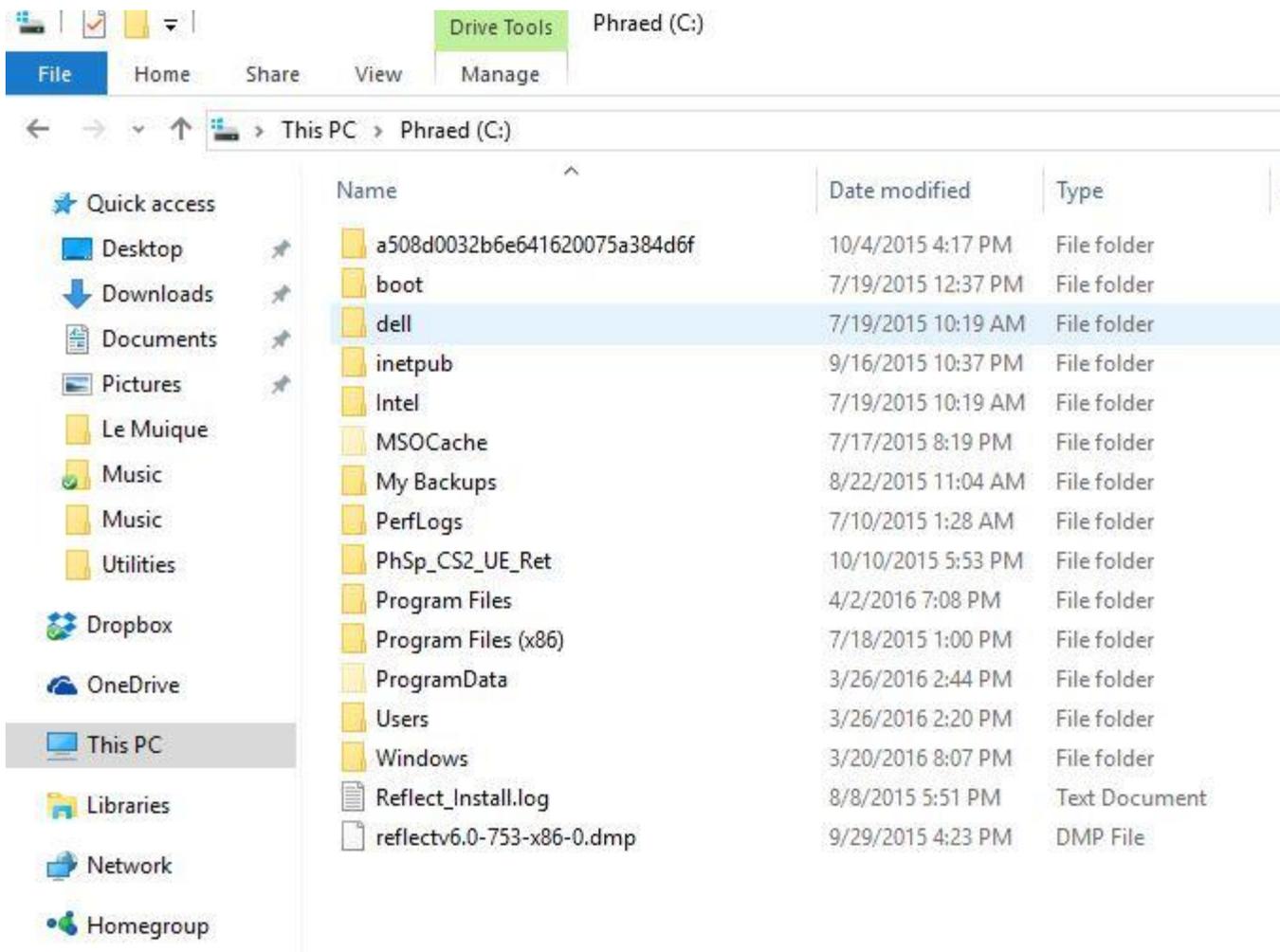
The conversion to WMA of each selection is shown as it occurs as seen by a moving green bar. While the music selections are being played at a normal rate they are converted and saved at a faster rate by a factor of almost 10. Default quality is quite good, even though the digital files are much smaller than they were on the CD.

You can at this time also use file manager to look in the music storing directory or you may view the files as they are being ripped as in the earlier image 2 frames back.

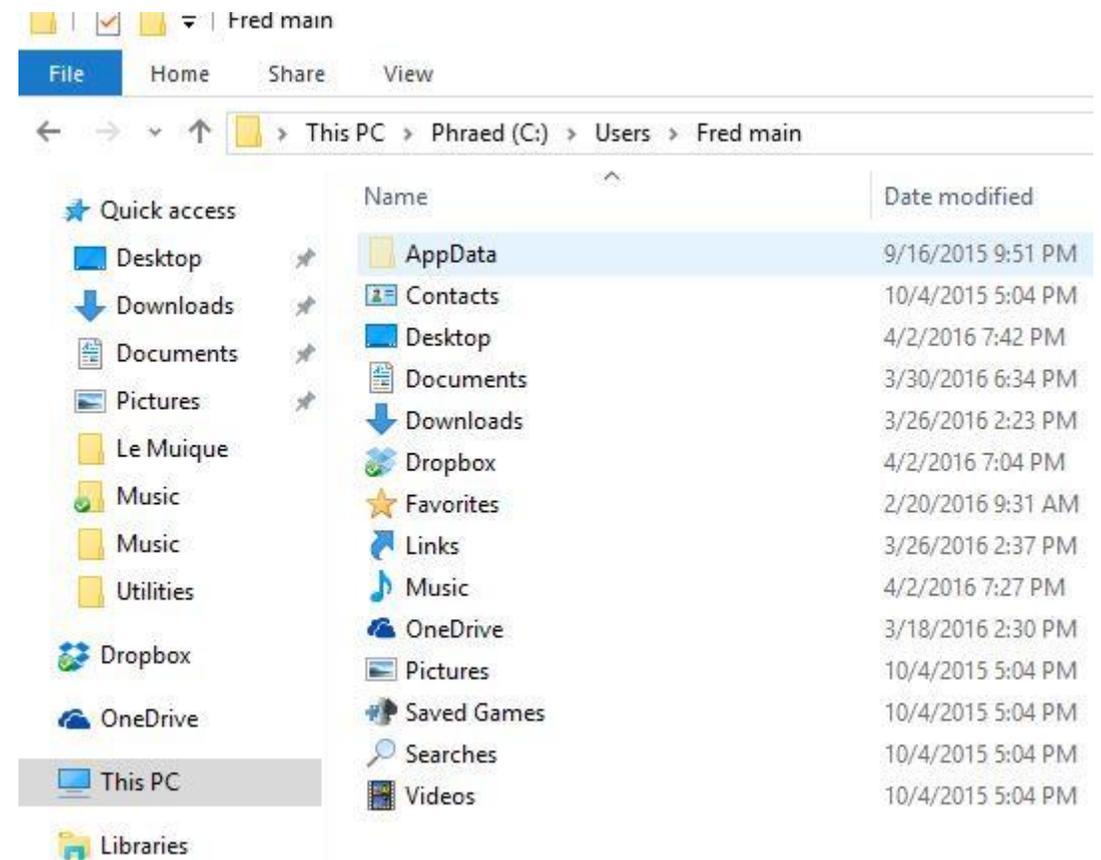


The screenshot shows a table of music tracks with columns for track number, title, duration, and conversion status. Track 10, 'Nigun #19', is currently being ripped, indicated by a green progress bar at 80%. Tracks 11, 12, and 13 are in a 'Pending' state, while tracks 6, 7, 8, and 9 are already 'Ripped to library'.

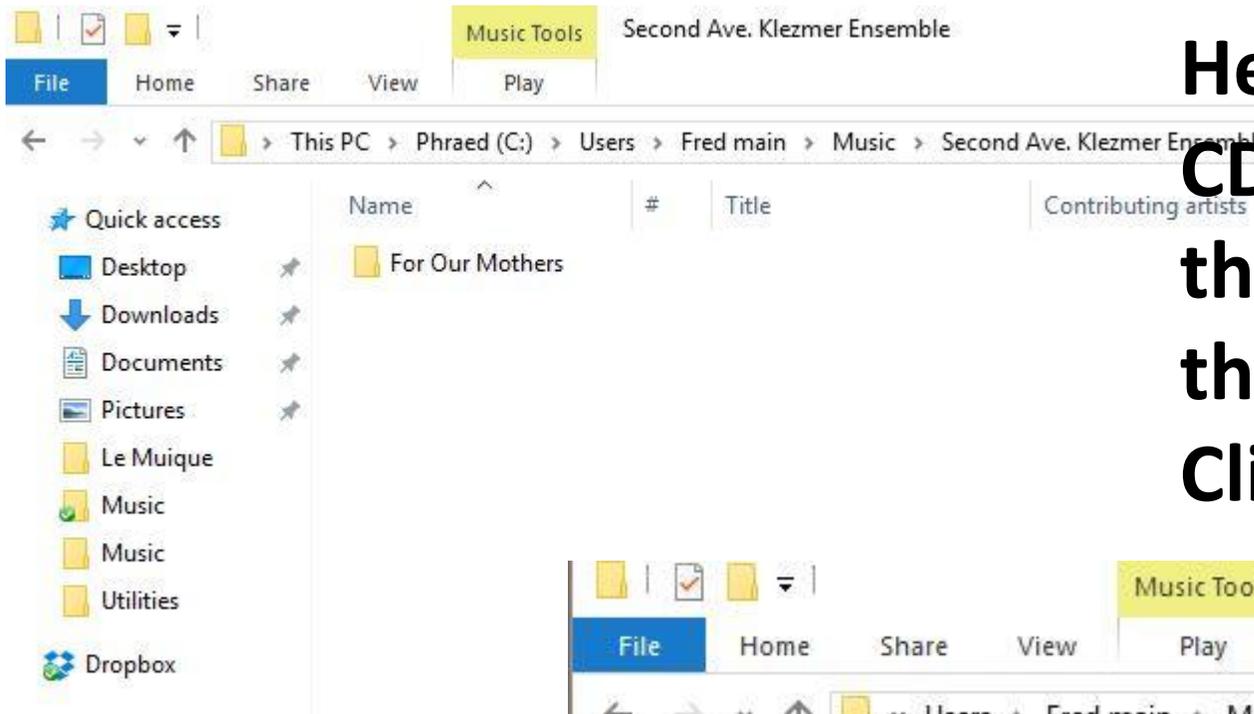
Track #	Title	Duration	Status
6	Frey lakh #10	3:02	Ripped to libra...
7	Hora	5:10	Ripped to libra...
8	Tif Vi Di Nakht	4:19	Ripped to libra...
9	Broyges Tantz	6:33	Ripped to libra...
10	Nigun #19	3:07	Ripping (80%)
11	Grine Kuzine	1:49	Pending
12	Yos'I, Yos'I	2:52	Pending
13	Of Love and Loss II	4:49	Pending



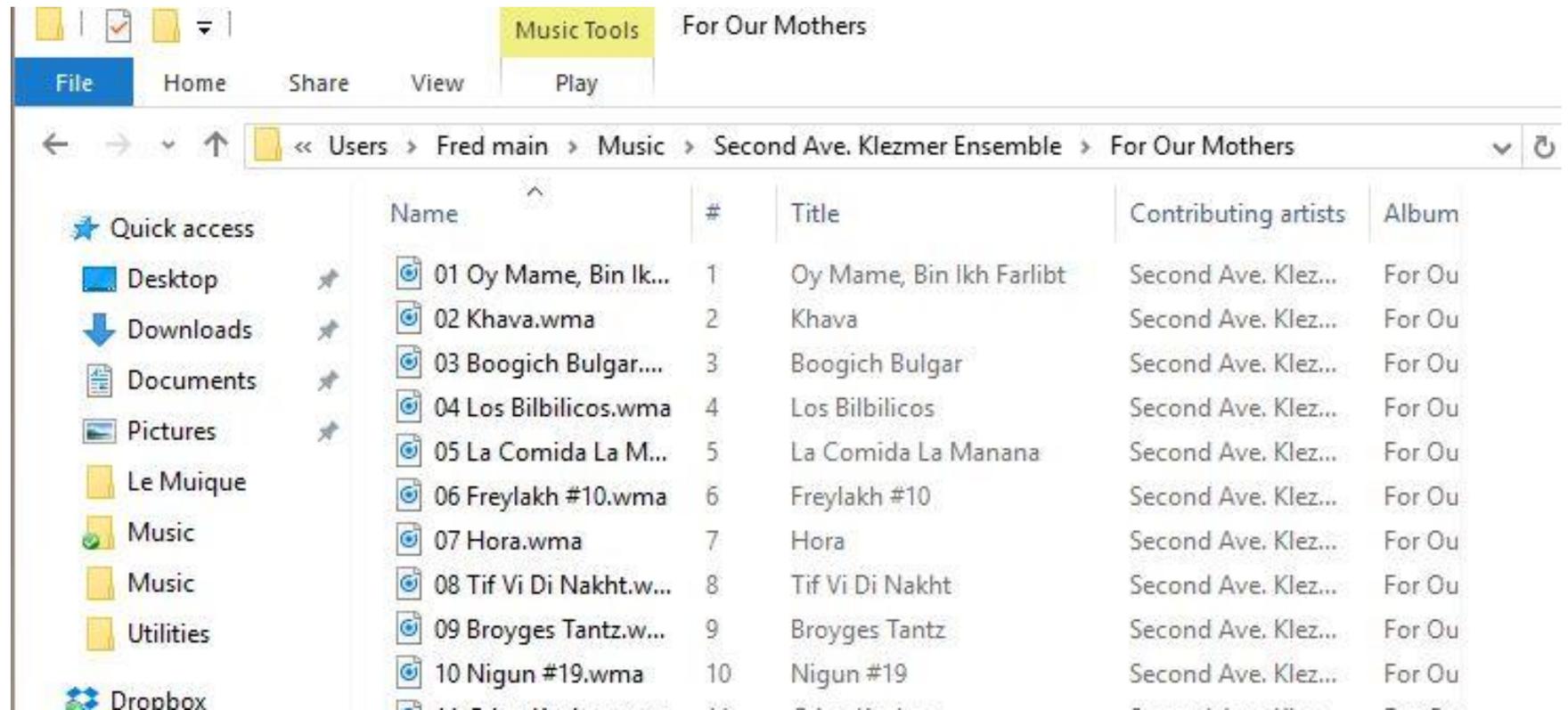
USERS>USERNAME>MUSIC is the place where the folders, with the titles and WMA files are stored and become visible as saved and usable with a click .



The next slide shows the folder holding CD label and contents .

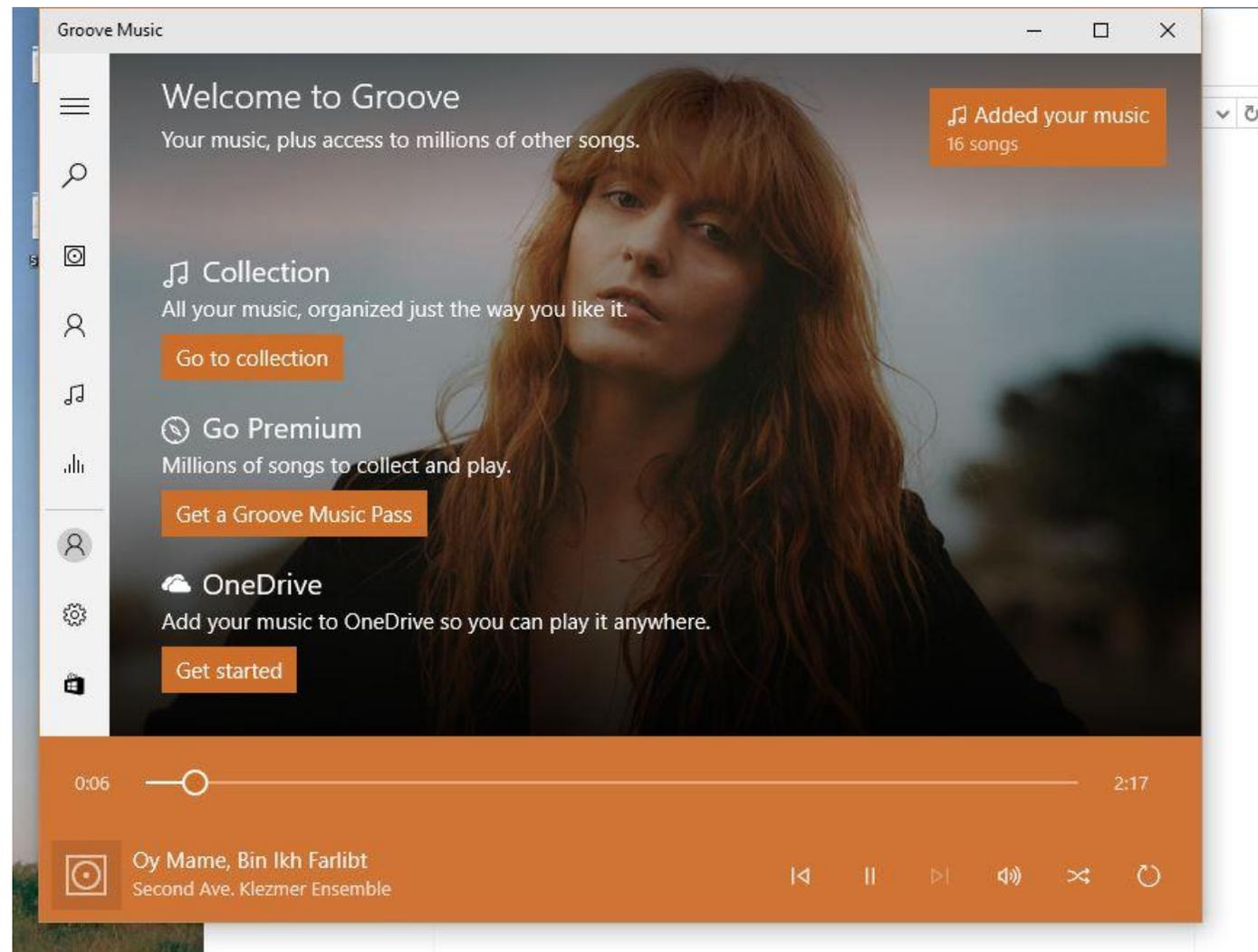


Here you can see the title of the CD, “For Our Mothers”. Inside that sub folder shown below are the selections that were saved. Click on any and it will play.

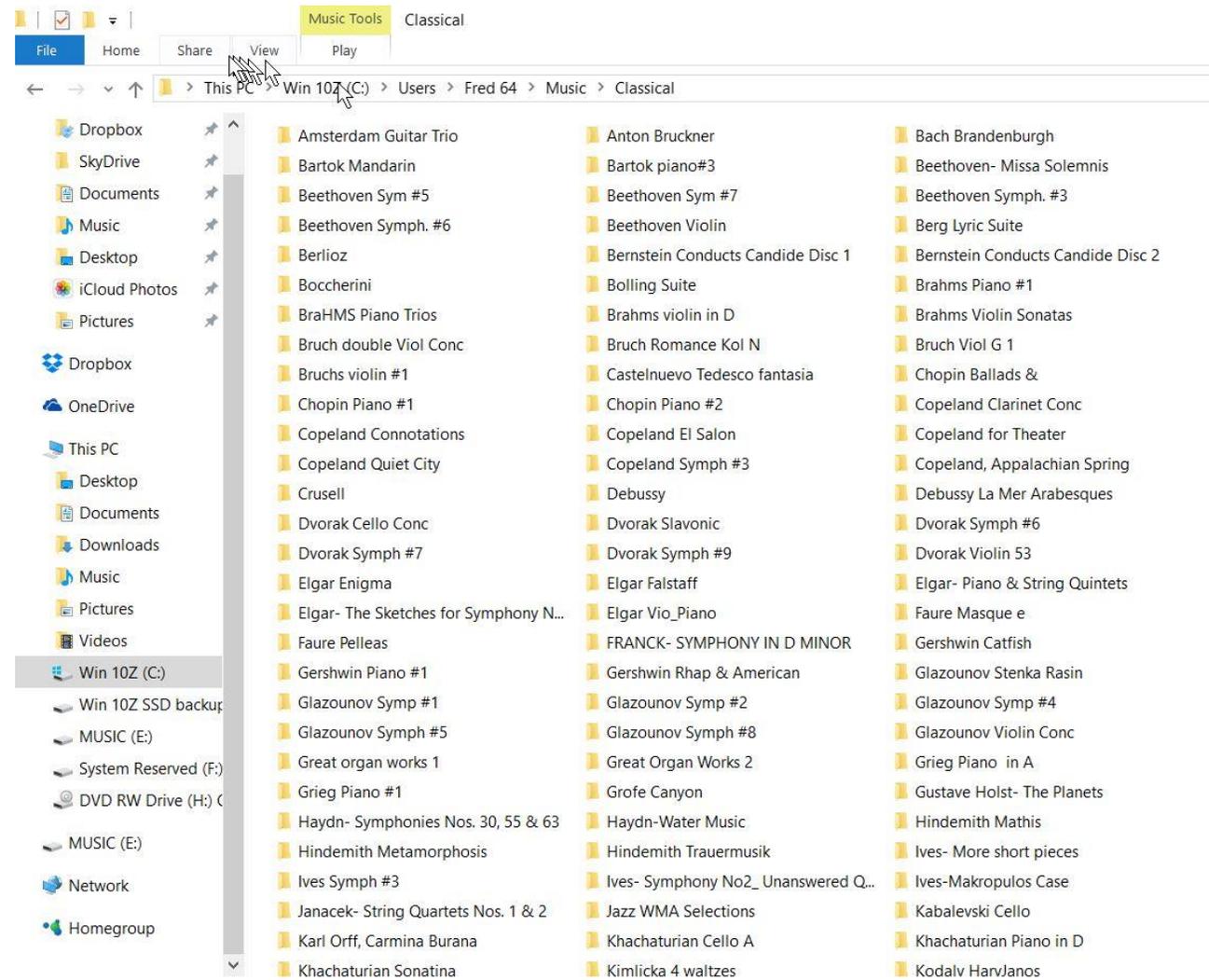


Clicking on the selection will cause Windows to open its player and built in application for playing and working with your saved music. Very smooth. Again you see the Windows 10 app displayed for control of

the WMA music file you clicked on. Other versions of Windows will have less intuitive but quite workable ones.



If you have sizable collection of music as I have, you can play any selection by clicking on the album to open it and clicking on any selection in it, but those albums may cover a lot of territory.



This folder is a small part of it. It is workable, but less than ideal. This is where iTunes can do better.

This has covered the native Windows approach. Now for iTunes as a player and method of saving your music to the computer. It has a bit more pizzazz, or schmaltz but is of a similar sound quality, customizable to your taste. As in Windows the default quality is very good. For taking music to Apple's portable devices, iTunes is an essential though free to use program.



ITunes is the application for music storage and access. A free program, it it was created for devices, which Apple hopes you will purchase from them along with music selections also through Apple. Designed for Macs, PCs, and the Apple portable devices, it stores and plays music selections. See Note 3 for download. The application is designed to move selections from the computer to iPods, iPads, and iPhones.



ITunes is free for the Mac and PC, etc.

iTunes - Download iTunes Now - Apple

www.apple.com/itunes/download/ ▼ Apple ▼

Windows 7 or later; 64-bit editions of Windows 7 and Windows 8 require the iTunes 64-bit installer; for more information, visit www.itunes.com/download; 400MB ...

After going to the iTunes download site, Apple requests your email address then downloads the iTunes executable, The install is a standard Windows operation with the usual familiar clicks required.



iTunes 12.3.3 for Windows (64-bit)

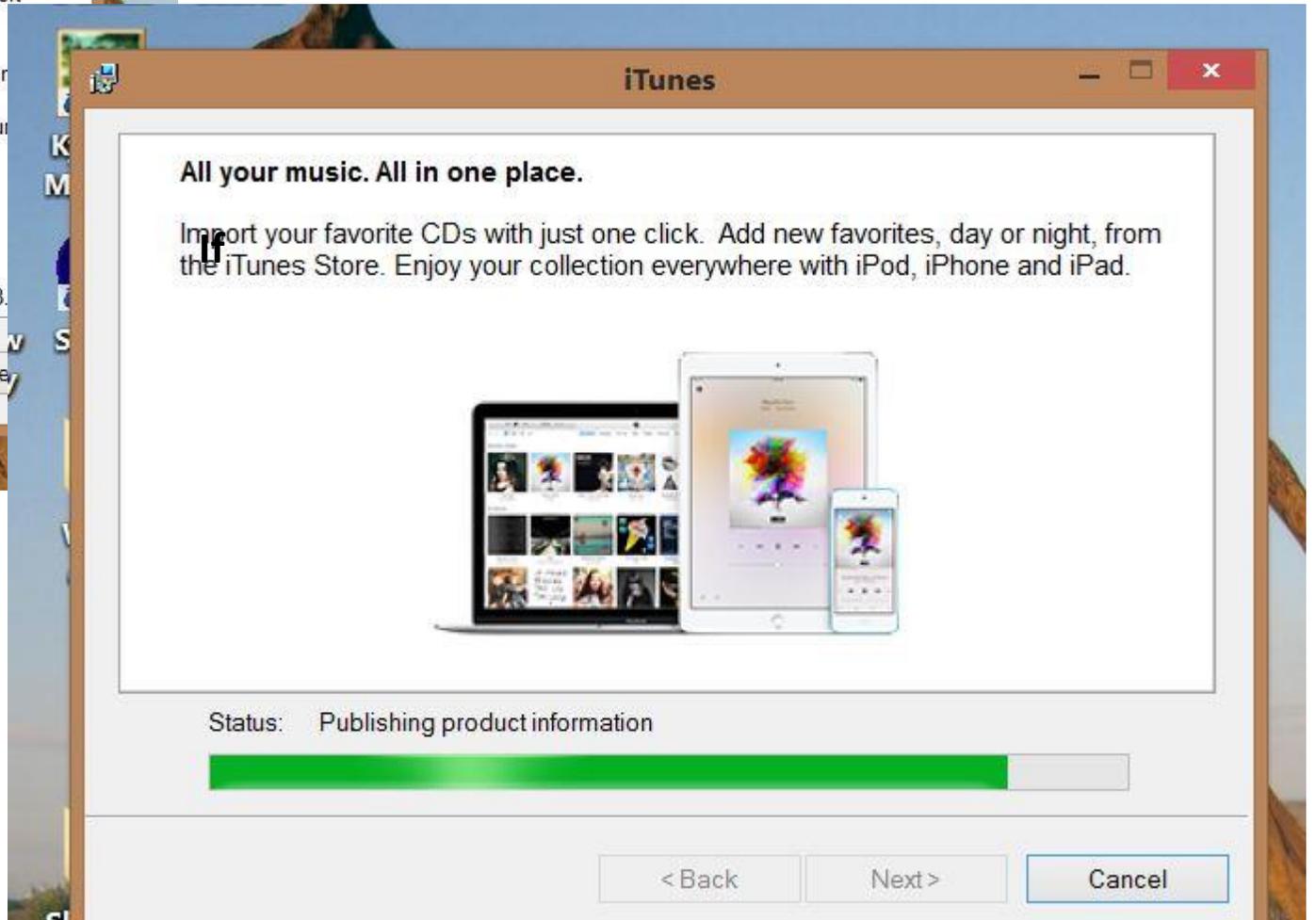
- Send me iTunes updates, [news](#), and special offers.
- Keep me up to date with Apple news, software updates, and the latest information on products and services.

[Apple Customer Privacy Policy](#)

Email Address

Download now

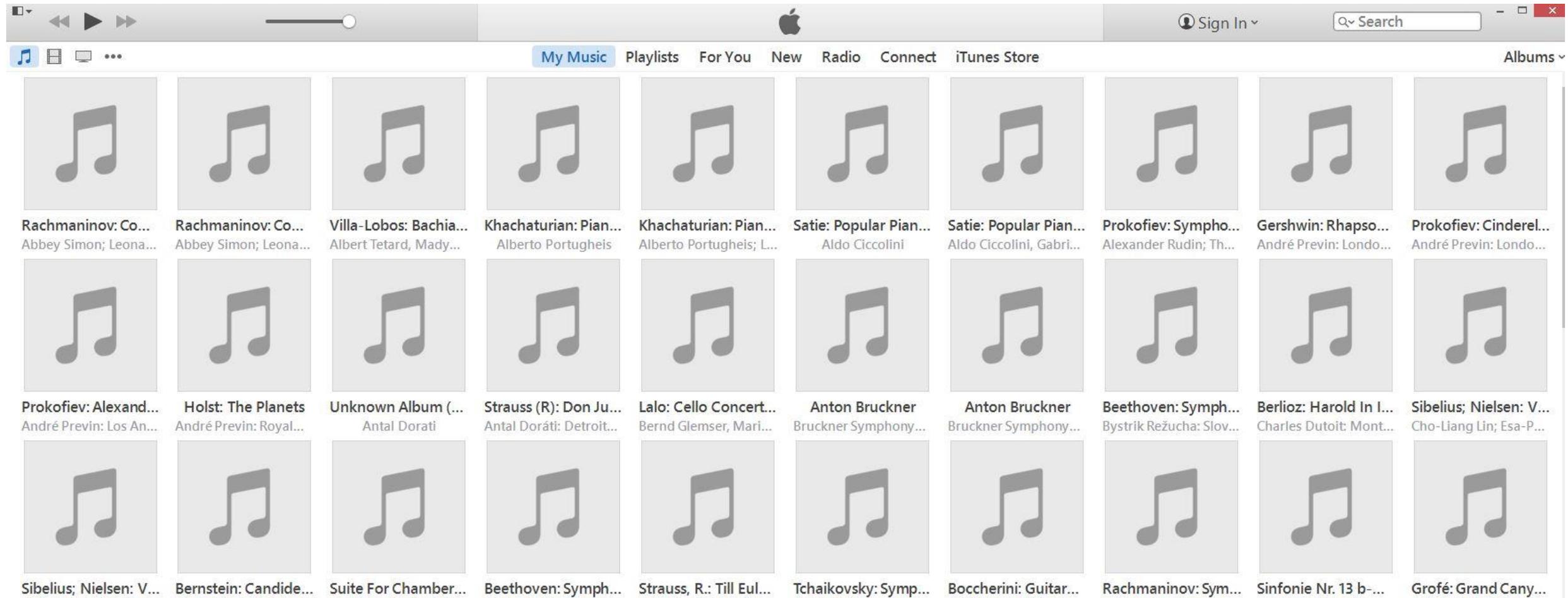
You will go through a typical familiar install routine.



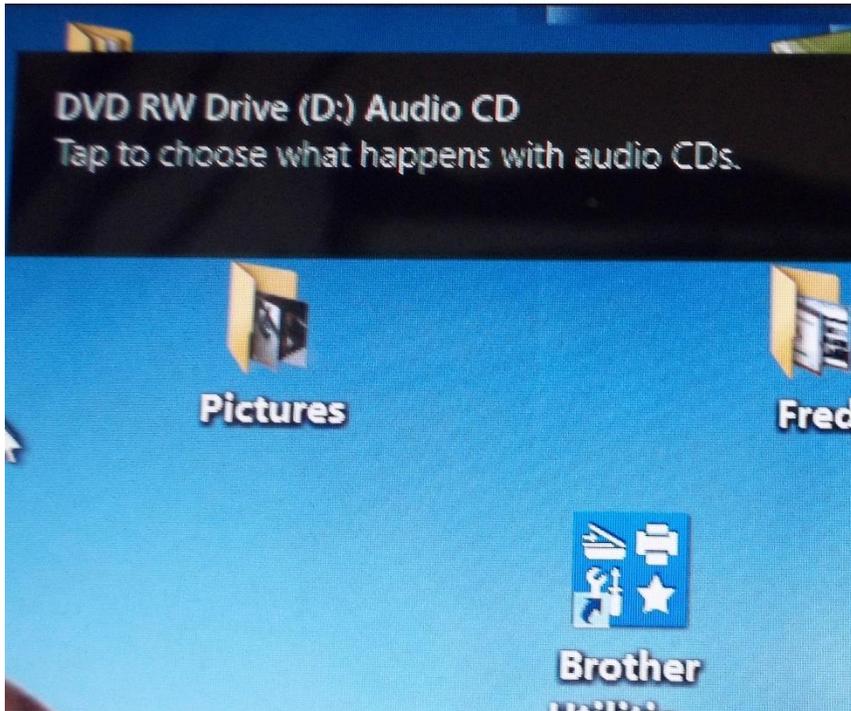
A few choices will be presented.

When first installing iTunes it asks if you want to scan your computer for music already installed. If you have already loaded music onto Windows, and you so choose, it will create an iTunes directory from your existing folder. If you want more pizzazz, and have the time, say no and reload each CD separately through iTunes. CD icons will show up in the iTunes directory when iTunes is started. Contents display when the icon is clicked, just like the Windows app.

When opening iTunes, If there were Windows installed CDs of music folders, they may appear as below in the opening iTunes window. If not, start loading CD into the computer.



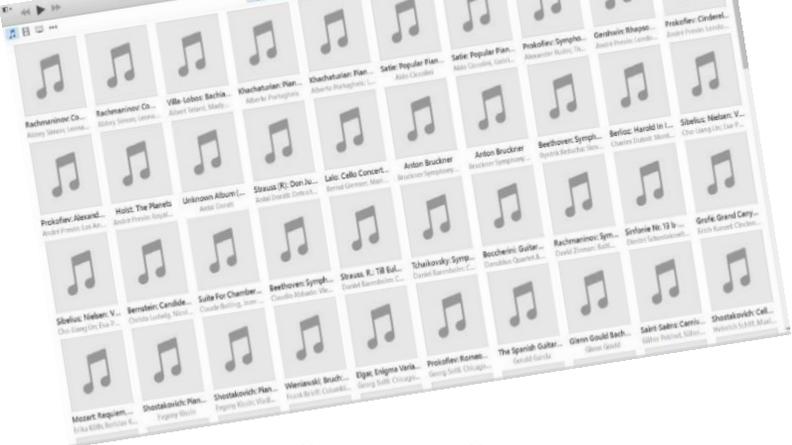
Loading your CD into Itunes is almost identical to the way it was shown for the default Windows approach.



Tap, and a few obvious choices come up followed by the copying of the music along with the selections playing.



Again, uncheck selections you don't want



The iTunes window may now be used to replay the music you have. Your music can now be installed into another Apple portable devices by connecting it to the USB port. Other methods may be used to move your selections to non-Apple devices such as Android tablets, but not through iTunes. Note that the computer has the Itunes stored music located at:

C:\USERS*Your name*\MUSIC\ITUNES\ITUNES MEDIA\MUSIC.

Clicking on an icon you see the contents of the album. The first selection in that album will immediately start to play through your computer speakers. Clicking on another will switch to that selection. The current selection is displayed at the upper right. Other controls are available on iTunes.

The screenshot displays the iTunes application interface. At the top, a playback control bar includes a volume slider, play/pause, and skip buttons. The current track is identified as "Rachmaninov: Piano Concerto #1 In F" by the "ony Orchestra" from the "Rachmaninov: Complete Works Fo" collection, with a duration of 0:12. Below the player, a navigation bar features tabs for "My Music", "Playlists", "For You", "New", and "R". The main area shows a grid of music icons, with the first icon selected. Below the grid, a detailed view of the selected album is shown: "Rachmaninov: Complete Works For Piano & Orchestra [Disc 1]" by Abbey Simon and Leonard Slatkin, performed by the St. Louis Symphony Orchestra in 1990. A track list is visible at the bottom, listing several tracks including "Rachmaninov: Piano Concerto #1 In..." and "Rachmaninov: Piano Concerto #4 In..." with their respective durations.

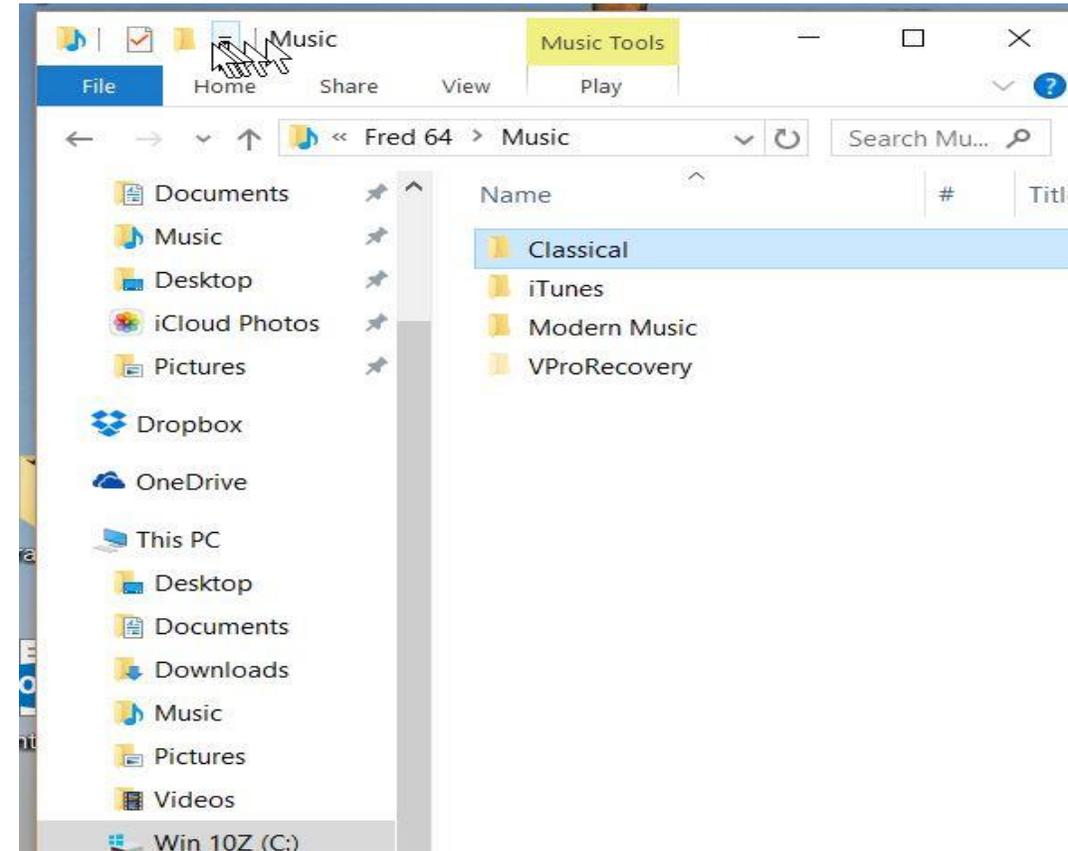
Track Number	Track Name	Duration	Track Number	Track Name	Duration
1	Rachmaninov: Piano Concerto #1 In...	12:40	4	Rachmaninov: Piano Concerto #4 In...	9:22
2	Rachmaninov: Piano Concerto #1 In...	5:42	5	Rachmaninov: Piano Concerto #4 In...	5:33
3	Rachmaninov: Piano Concerto #1 In...	7:39	6	Rachmaninov: Piano Concerto #4 In...	9:23



The image above shows a first version Apple iPod getting ready to Sync to the main computer's collection of iTunes music. It is almost automatic. *This old iPod still works though the battery had to be replaced a few years ago.*

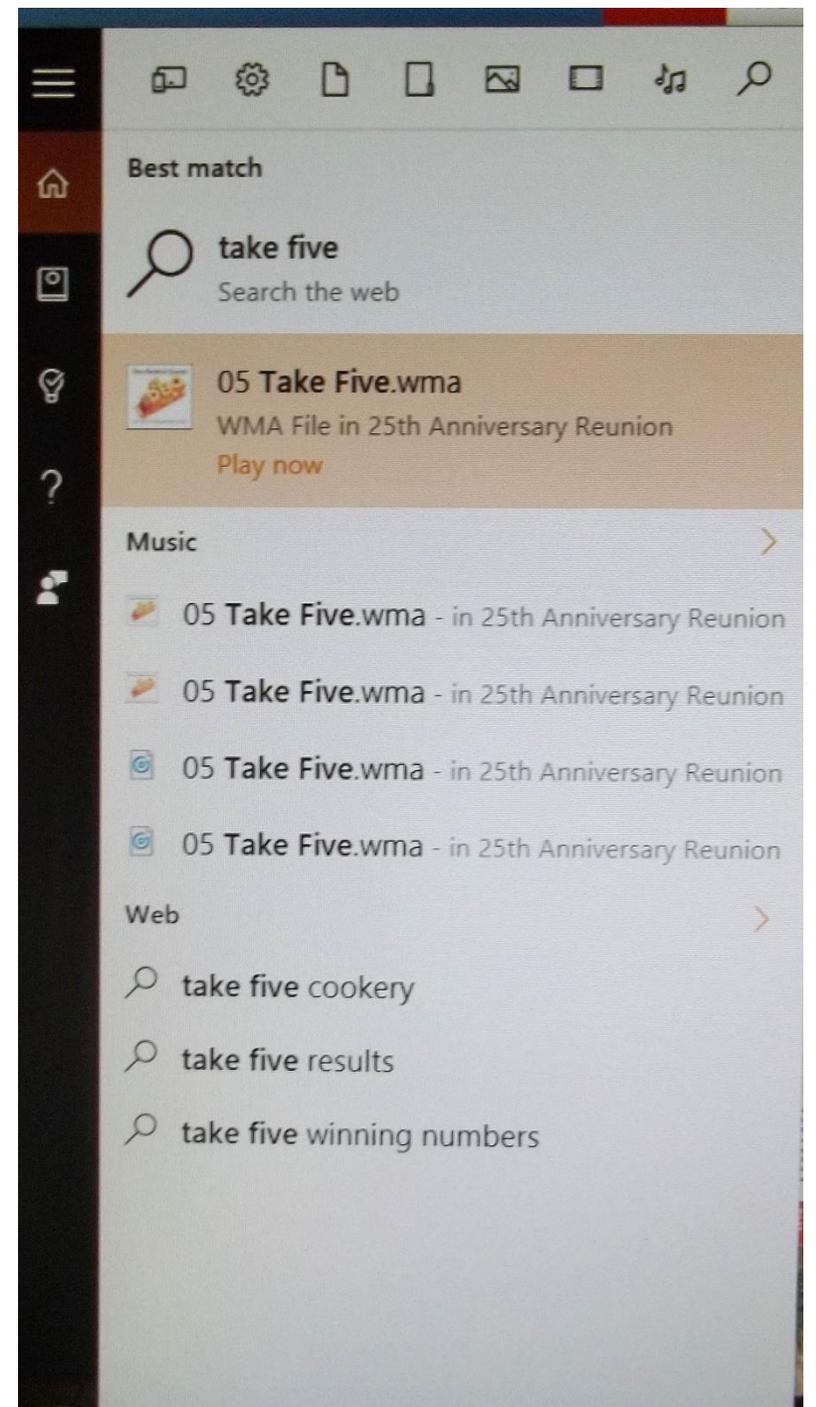
Assuming your music is now installed, to copy your music to an Apple device, Ipad, IPod, or iPhone, you need to: 1) connect the device to your computer USB port, and, wait for the program to ask for action. 2) Then type in SYNC on the computer. Sit back, be patient. It will take about ½ hour for a collection of music that would have taken more than two consecutive 24 hour sessions for a person to listen to.

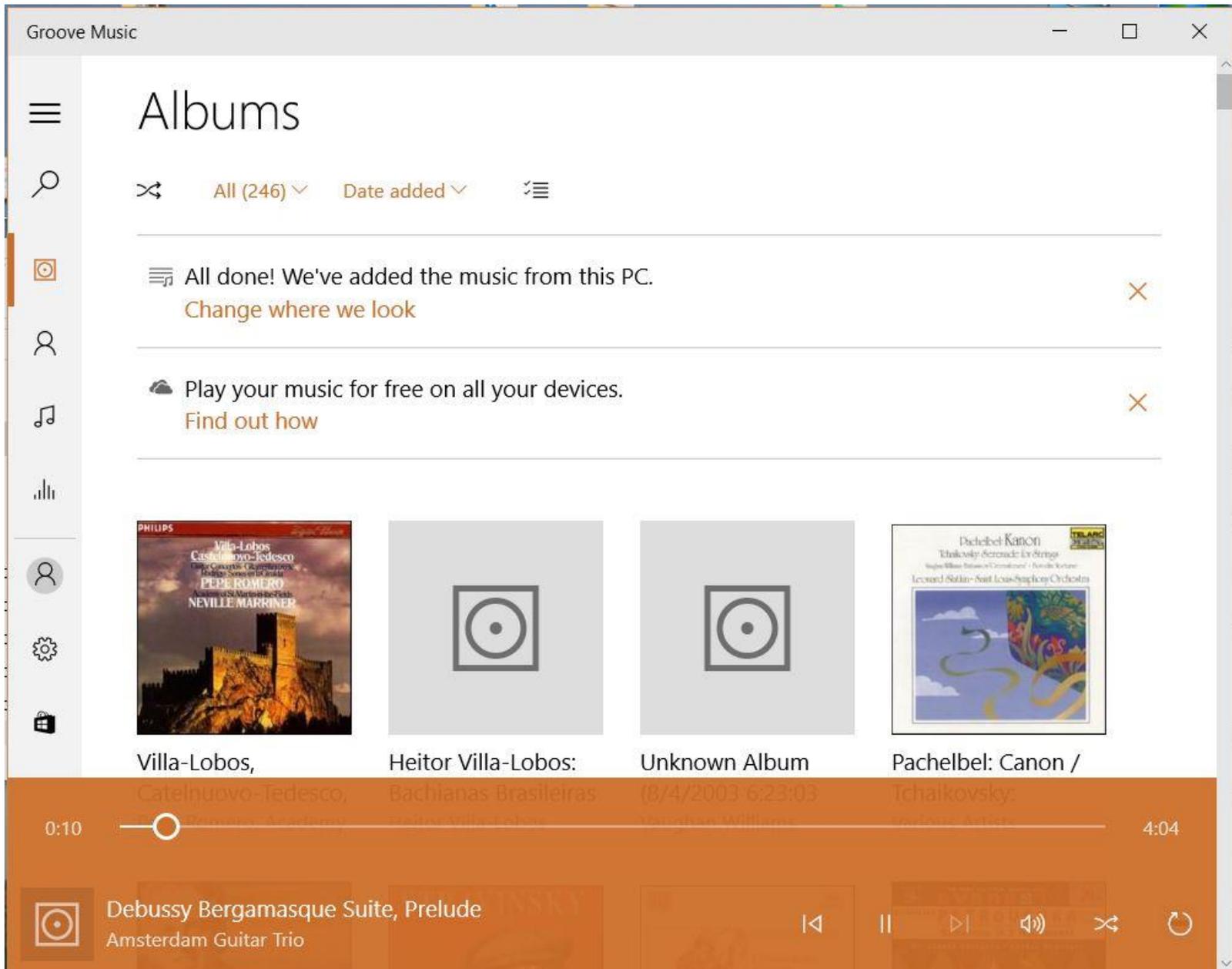
Using Windows rather than iTunes one may be able to manually play or manually move these selections to non-Apple devices such as Android tablets. Not necessarily an easy task. But first you need to find them on your root directory. The saved items of music installed with the iTunes app are found at the root directory folder , C:\USERS\Your name)\MUSIC* as subfolders classed by type. Here you see both the Itunes music and Windows default folders in the MUSIC directory.**



Lack of time and other reasons preclude showing how one may move or play music on Android tablets. There are too many different types with their own restrictions, but it would basically involve moving music files to the cloud then using the tablet capabilities and Android apps. I have 3 different Android tablets at my disposal and neither will handle it the same way. Some will not sync with Dropbox, etc. etc. It is possible, but beyond the scope of this presentation.

The Windows default sub folder is the location from which you can manually copy, play, or delete your music files for the Windows player. If you choose this method to play a selection from an album in the Windows root directory, rather than from iTunes, click on the album name and it opens the individual music selection. In Windows 10, entering the name of the selection will in the “ask me anything” taskbar area” brings up the menu as at the right and it plays in the Windows application not on iTunes.





You saw this before but note that some CD album inserts were somehow found by the operating system from previous CD installs on my machine. Two were somehow not.

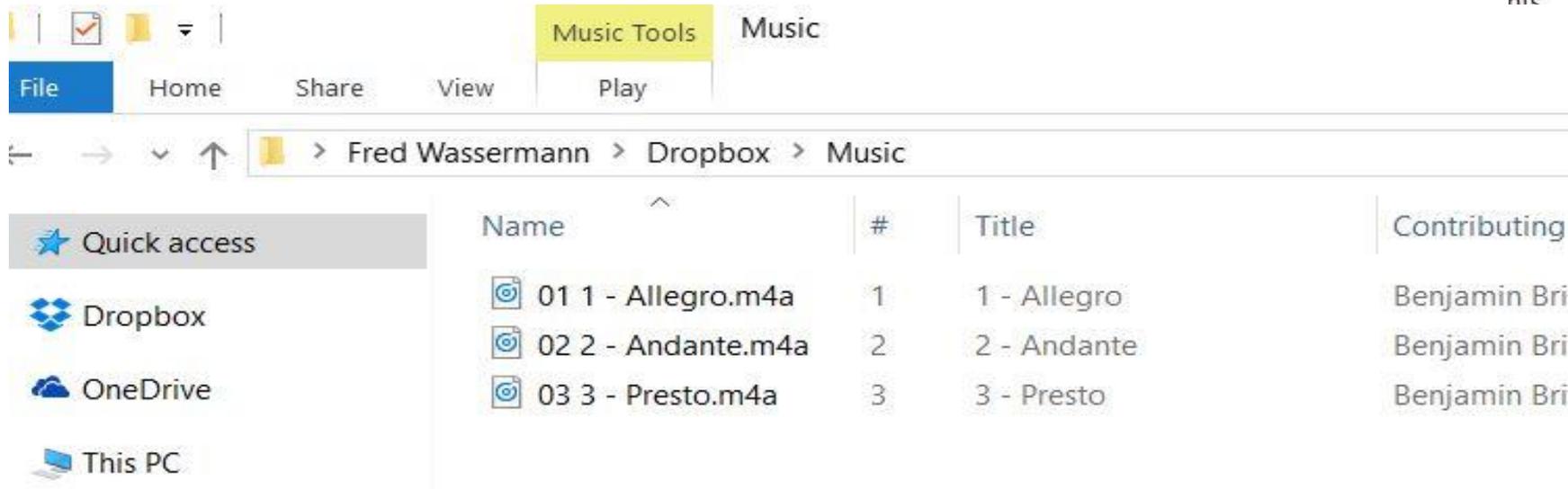
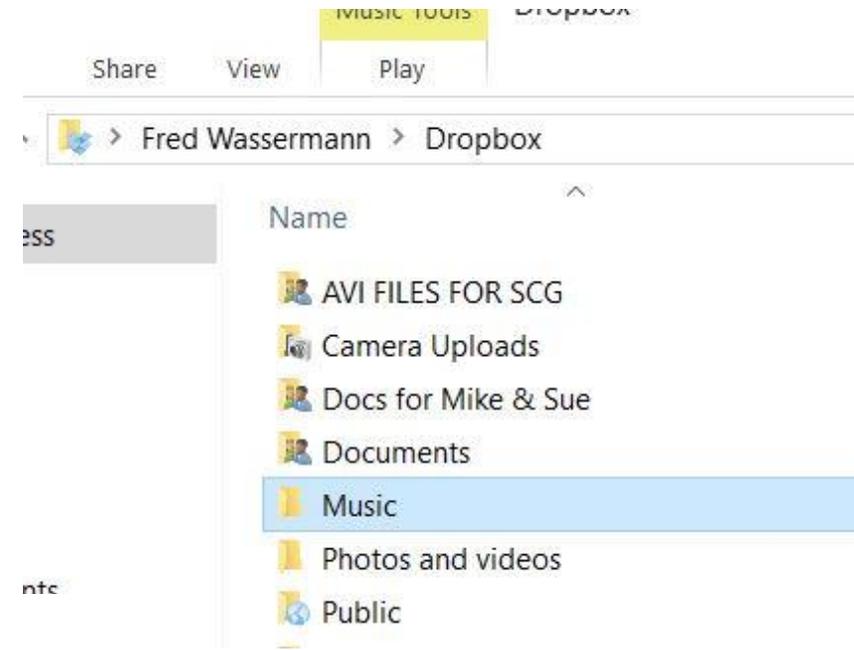
Now that your music files are available on the computer, what can you save music to besides Apple portable devices?

Another computer, laptop or desktop.

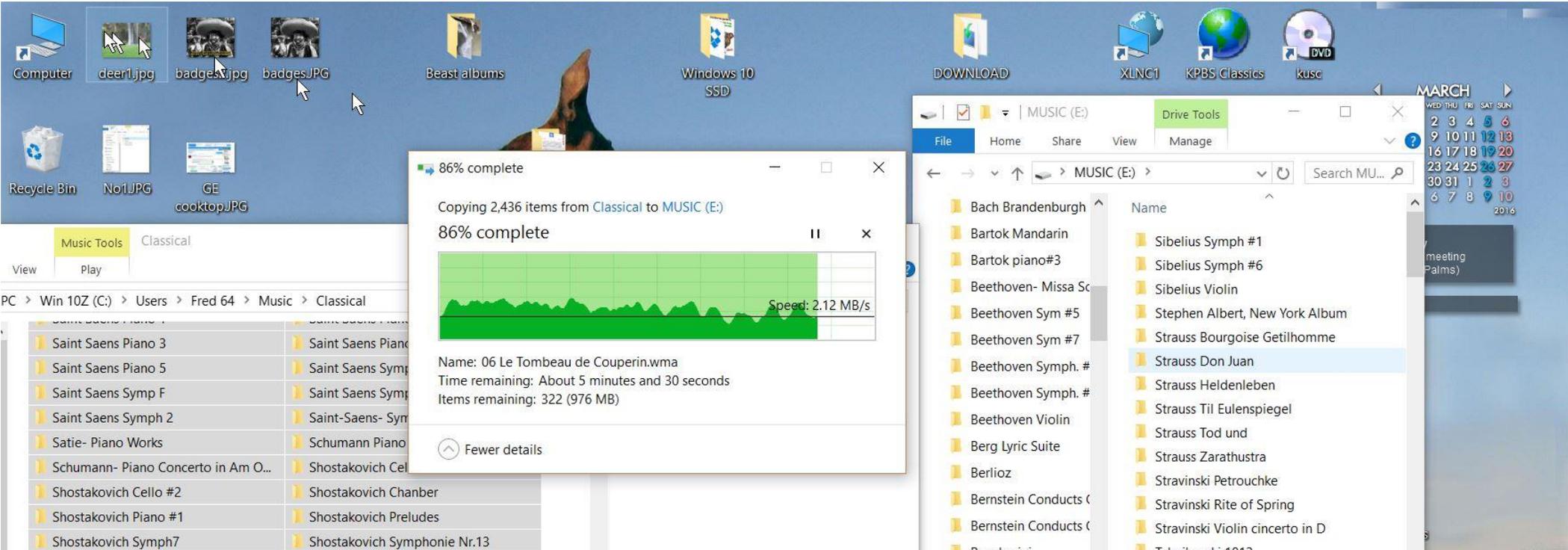
A Thumb drive, to store or transfer.

To the Cloud for archiving, transfer, or play.

To newer advanced car automobile radios.



Some newer cars have USB ports. I copied nearly all my classical music to one 8 GB drive flash drive. As long as it is plugged in to the USB, I have all my music available to listen to in my car. Another flash drive with my jazz etc. was copied to my car radio memory. Music drag and drop copied from folder to thumb drive in about ½ hour or so as shown below.



This is how it may look on a car radio while the thumb drive has been loaded:



REPRISE:

It may not be for everyone, but each iteration of software makes it easier to make music a part of one's life with a computer in hand and a small amount of labor.

Note 1:

https://www.google.com/search?q=Seoul+City+Sue&rlz=1C1SAVI_enUS523US536&espv=2&biw=1261&bih=828&site=webhp&tbm=isch&imgil=Oiw4RIFiXxQNHM%253A%253B6-BB_fPRg8zbAM%253Bhttps%25253A%25252F%25252Fen.wikipedia.org%25252Fwiki%25252FSeoul_City_Sue&source=iu&pf=m&fir=Oiw4RIFiXxQNHM%253A%252C6-

Note 2:

<https://www.youtube.com/watch?v=GRIBW2iDGJU>

Note 3

<http://www.apple.com/itunes/download/>

Note 4:

<http://www.wondershare.net/ad/tunesgo/ipod-transfer.html?gclid=CNyXyPvD5ssCFcdhfgodRe0HVQte>