BUILDING THE FILES

Process – rough files with one track per voice; requantize; key signature; measures; tempo settings (screenshot); adjacent notes (organ vs. piano); overlapping notes (SA squeal); verse markers; phrase and end-of-verse ritards; final ritard; verse gaps according to beat or pulse. (Examples — CW straight tempo MIDI files; CWS "not-ready-for-primetime" MIDI files.)

VELOCITY SENSITIVE INSTRUMENTS VS. VELOCITY INSENSITIVE INSTRUMENTS

Difference between Clavinova and Hauptwerk

FILE INFORMATION

3300 MP3 files (1100 files in each of three versions): 795 Hymn files; 114 Psalm files; 191 Liturgy files

9900 total files (.wav; .mp3; .mid)

100+ Gb wav files; 12+ Gb MP3 files; 60 Mb MIDI files

Verse / Refrain hymns: Verse intro, followed by refrain intro, followed by first sung refrain

Non-notation events in separate tracks: Volume changes; Hauptwerk registration changes

CWS Pianistic / CWS alternate settings / CWS comset

ITUNES

Taking a look and having a listen; edit >> preferences >> advanced >> copy files

Embedded tags; genres; playback; libraries; playlists; equalizer; burning; shortening files; Ipod shortcomings

HAUPTWERK

Sample of a good virtual pipe organ

Setting / sharing registrations

SOFTWARE / HARDWARE

Yamaha Clavinova CVP407

Acer Computer - 320 Gb HD; 2.4 Ghz dual core; 4Mb RAM, 64 bit Vista Home Premium

Netware External USB Hard Drive 120 Gb

Seagate External USB Hard Drive 1.5Tb

Presonus Firewire Mobile Audio Interface

Studio One Artist - Digital Audio Workstation

Wavosaur - freeware WAV editor

Cakewalk Home Studio 9

Roland KC 350 piano amp

Hauptwerk v. 3.2

St. Georges Casavant three manual virtual pipe organ

DIGITAL WORSHIP MUSIC

FOR

CHRISTIAN WORSHIP

&

CHRISTIAN WORSHIP: SUPPLEMENT

YOUR BEST OPTIONS

WELS National Conference on Worship, Music and the Arts
July 19-22, in the year of our Lord 2011

Michael D. Schultz
Lawrenceville, GA

PHILOSOPHY

This project is not meant to be construed as advocacy for computer based music in lieu of human keyboardists. First preference or choice is always for a human keyboardist. Continued emphasis on having young people taking piano and organ lessons is an important and good thing.

PURPOSE

"Accessibility" is the primary purpose of this project.   The worship music our synod has made available in the <u>Christian Worship</u> "series" since 1993 consists of over 1000 individual pieces.   Making these materials readily accessible to all is the purpose of this project. The music of the <u>Christian Worship</u> series is now available in MP3 format. While all the MIDI files behind the MP3 recordings will be available, the MP3 files are meant to eliminate the MIDI learning curve and the need for MIDI hardware and software, thus making the materials readily available to everyone.

PERSPECTIVE

Some users of digital worship music prefer to have a keyboardist play the music in and to record that music as a MIDI file which can be played back later without the presence of the keyboardist.   The music then sounds much more "human." You'll sometimes hear people say they like to retain the mistakes that have been played in because that only emphasizes that a human being played the piece.   Others prefer to have notation entered in by individually entering the notes with a MIDI keyboard, computer keyboard or mouse, or by scanning. The music is then extremely precise and mistake free, leading some to feel that it is "canned" or "out of the box" or "MIDI-ish."   The music of this project is not the "played in" variety. Because of its repeated use and for the sake of versatility (separate tracks and digital instrumentation), the desire was to have it be of the mistake-free variety.   All efforts have been taken to remove the "canned" sound, which is due in great part to matters of tempo and velocity.

USES

Worship leaders in many different venues (public worship, classroom devotion, church council opening devotion, nursing home worship) can benefit from being able to use all these resources whenever a keyboardist or an instrument is not available. It is hoped that personal use of the materials will increase once they are in a recorded format which is available to all.

Personal — Devotional use and personal listening enjoyment.   Any type of MP3 player is all that's needed.

Professional — If they are not familiar with it, pastors, teachers and others can benefit from auditioning any musical piece they might want to select.

Public Worship — By making the CW / CWS worship music available in MP3 format, those who need to do so can have quality music for public worship through the use of a computer and an amplifier and speakers which in most cases are already in place in the congregation.

SEPARATE VOICES

For those who will use the included MIDI files, all voices are separated into individual tracks, both for ease of assigning instruments to different parts, and so that the materials are adaptable to many different sound modules, keyboards and virtual synths.

MIDI — THE NUMBERS BEHIND THE RECORDINGS

"ORGAN / FLUTE" YAMAHA CLAVINOVA CVP407

Channel	Name	Bank	Patch	Volume	Velocity	Key	Pan
1 (intro)	Soprano	115	73	80	77	+12	55
2 (intro)	Alto	114	19	64	127	-	55
3 (intro)	Tenor	114	19	64	127	-	55
4 (intro)	Bass	113	19	80	127	-12	55
5	Soprano	123	19	120	102	-	55
6	Alto	123	19	120	127	-	55
7	Tenor	123	19	120	127	-	55
8	Bass	113	19	120	127	-12	55
9	Soprano	115	73	110	102	+12	55
11	Bass	126	19	120	127	-12	55

"PIANO" YAMAHA CLAVINOVA CVP407

Channel	Name	Bank	Patch	Volume	Velocity	Key	Pan
1 (intro)	Soprano	122	1	90	92	-	-
2 (intro)	Alto	122	1	90	87	-	-
3 (intro)	Tenor	122	1	90	87	-	-
4 (intro)	Bass	122	1	90	92	-	-
5	Soprano	122	1	120	105	-	-
6	Alto	122	1	120	102	-	-
7	Tenor	122	1	120	102	-	-
8	Bass	122	1	120	105	-	-

VIRTUAL ORGAN—HAUPTWERK ST GEORGES CASAVANT

Channel	Name	Bank	Patch	Volume	Velocity	Key	Pan
3 (intro)	Soprano	-	19	90	100	-	-
3 (intro)	Alto	-	19	90	100	-	-
3 (intro)	Tenor	-	19	90	100	-	-
1 (intro)	Bass	-	19	90	100	-	-
2	Soprano	-	19	120	100	-	-
2	Alto	-	19	120	100	-	-
2	Tenor	-	19	120	100	-	-
1	Bass	-	19	120	100	-	-
4	Descant	-	19	120	100	-	-
7							