

summer. MUSIC institute

Pipe Organ for Pianists

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AGENDA

1. Principles of Piano Technique 2. Principles of Organ Technique 3. Navigating the Organ 4. Registration 5. Two-staff and Three-staff 6. Repertoire for Piano/Organ 7. Conclusion

Since music is a tonal art, piano technique depends on bringing out each tone intentionally. Rimsky-Korsakov said that all the sounds of the orchestra are good and beautiful; one should merely know how to use them and to combine them.

Tone and rhythm are the most important means that should be possessed by any pianist. Strictness of rhythm allows freedom of rhythm to be appreciated. Departures from strictness ought to be approached like a conductor! Pianists ought to conduct their entire work without playing.

Silences in music are written in and should, therefore, be heard. It is important to conduct silences or pauses mentally and physically. Pianists must always seek to pour themselves into the music as much or more as the composer put in. Individuality>Individualism.

Lack of precision in rhythm is owed to inadequate understanding of mood, intent, and emotional content of the music. The performer must, therefore, be equipped to bring out the spirituality and imagination of the music for the listener.

Pianists are also commonly expected to master polyrhythmia. They are responsible for the precision of time and for the tone of each. Two against three can be calculated using the arithmetic approach but in cases of five against eleven or others, playing each separately is most effective.

Long notes must be played with more force than the shorter notes that accompany them as is the nature of the piano.

To work on technique is to work on tone and to work on tone is to work on technique.

The pinky must stand firm in the dome of the hand and maintain a relaxed wrist. To master the art of piano, the pianist must know the music, themselves, and the piano.

The pianist must strive for confidence since this is the basis for freedom of the piano. The pianist must also evaluate themselves physiologically and psychologicaly.

Most important is to develop the ear and the faculty to imagine and represent the artistic image of the music.

Heinrich Neuhaus said, "the well-trained hand of a good pianist is an ideal community: each for all and all for each one; each one a separate individual, and all together-a united community, a single organism!"

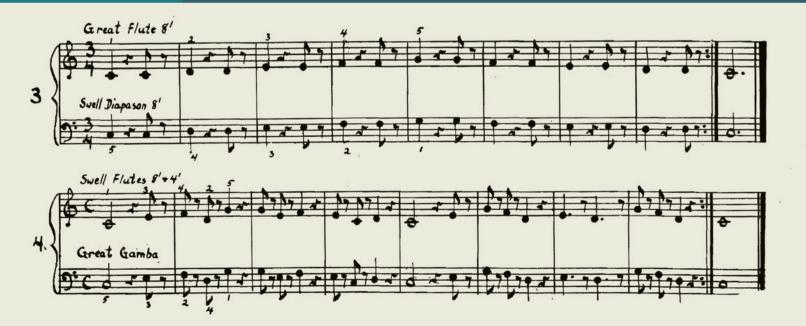
Octaves on the piano must be considered carefully so that the bottom note is excentuated.

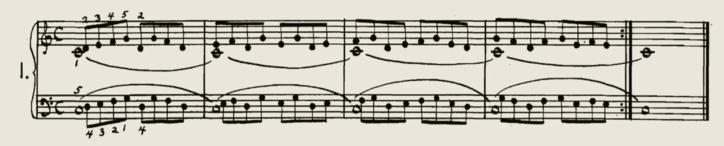
Polyphony is an important style to consider on the piano and important for organists as well. The difference in tone and precision of rhythm (press and lift motions included) need to be of the utmost priority.

The organ differs from the piano in that the power of the tone is uninfluenced by the force of the attack. The tone continues until the fingers lift. Organ technique develops when true legato is present.

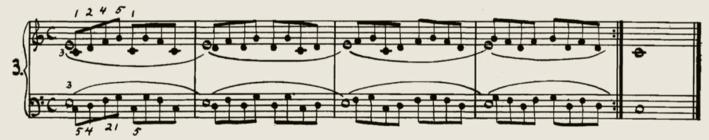
Keep all of the fingers in contact with the keyboard at all times, and press them quickly and firmly down to the bottom with finger pressure and the weight of the hand only.

Play the rests with the same care as the notes, releasing the key with a quick upward movement of the finger at exactly the time the rest begins. The fingers should be raised only to the top of the keys, and the hand, wrist and forearm kept perfectly quiet and relaxed.





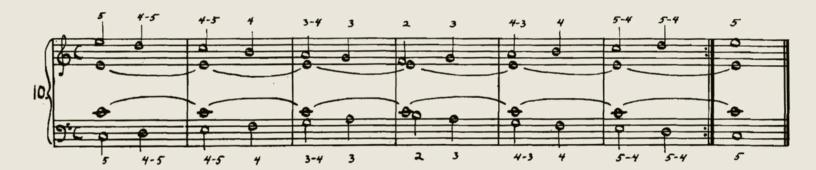






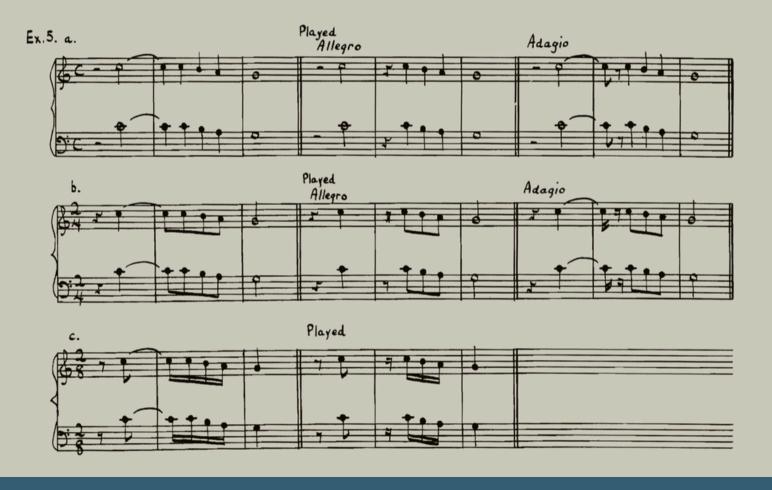


Substitutions are the key to legato playing on the organ, esepcially since there is no sustain pedal. Always place the finger immediately over the next note ready to play. Count carefully and make the substitution at a rhythmical point in each beat.





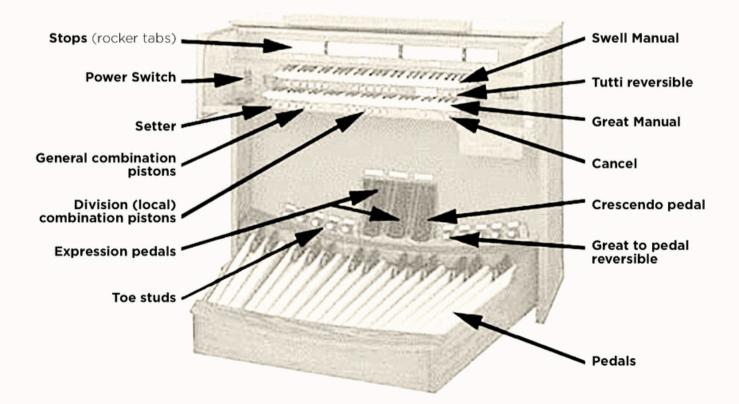
Repeated notes are played differently on the organ and must be decided on for precise rests in between the notes.



THE ORGAN CONSOLE

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- The diagram below indicates standard positions for the various items. However, organ consoles vary widely in their design. Some of the most common variations are as follows:
- **Expression and crescendo pedals**. If only one is present, it is usually an expression pedal that affects the volume of the entire organ. Crescendo pedals are absent on many consoles.
- **Great to Pedal reversible**. If present, this is usually located directly to the right of the right-most expression (or crescendo) pedal. It may also be present as a thumb piston.
- **General and divisional combination pistons**. Many organs have only one set of combination pistons. If so, they will be generals, centered underneath one or both manuals. If both generals and divisionals are present, the generals are usually located to the left underneath the manual(s).
- Stops. These may be present as drawknobs, located in stop jambs on both sides of the manuals.
- Tutti/sforzando reversible. If present, this is usually the right-most and highest thumb piston and/ or toe stud.



ORGAN REGISTRATION

Organ registration is like a synthesizer. Choose the sounds you want for the desired affect.

| FLUE PIPES | | | REED PIPES |
|--|---|---|---|
| Flute Family Oooo | Principal Family Ahh | String Family Eehhh | Reed Family Awww |
| Blockflöte Bourdon (-doux, Contre-) Chimney flute Clarabella Copula Cor de nuit Doppelflöte Fife Flautino Flauto dolce Flûte (-à bec, -à fuseau, -bouchée, -celeste, -harmonique, -ouverte) Gedackt (Gedeckt) (-flûte) Harmonic flute Hohlflöte Holzgedackt Koppelflöte Larigot Lieblich gedeckt Melodia Nacht <u>horn</u> Nazard (Nasard, Nasat) <u>Octav</u> in Open flute Orchestral flute Piccolo Pommer Quintatön (Quintadena) Quinitflöte Rohrflöte Sifflöte Sifflöte Sifflöte Sifflöte Sifflöte Stopped diapason Subbass Tibia Tierce (Terz) Traverse flute Waldflöte Zauberflöte | Choral bass Diapason Double diapason Doublette <u>Dulciana</u> Fifteenth Montre Octave (Oktav) Open diapason Prestant Principal (Prinzipal) Quint (Quinte) Spitz prinzipal Super octave Twelfth CHORUS MIXTURES: - Mixture (Mixtur) - Acuta - Cymbal - Fourniture - Plein jeu - Scharf | Aeoline Cello Echo gamba Fugara Gamba Salicet Salicional Unda maris Viola Viola da gamba Viola celeste Viola pomposa Violone (Contre-) Voix celeste | CHORUS REEDS Basson (Contre-) Bombarde Clairon (Clarion) Dulzian Fagotto (Fagott) [bassoon] (pronounced "fuh-GOT") French trumpet Hautbois [oboe] Oboe Posaune [trombone] Rankett Tromba Trompette (Trompete) Trumpet Waldhorn SOLO REEDS Clarinet Cromorne English horn (Cor Anglais) Festival trumpet French horn Horn Krummhorn Regal Rohrkrummhorn Rohr schalmei Schalmei Tuba (-mirabilis) OTHER REEDS Vox humana (Voix humaine) |
| Solo Mixtures Cornet II or III, Sesquialter II (<i>These are usually flutes unless they are found on the Great, in which case they are usually Principals</i>) | | | Some stop names that can easily be identified with the wrong family are <u>underlined</u> . |
| Hybrids – share characteristics of more than one family Erzähler Geigen (–diapason, –principal) Gemshorn, Gemshorn celeste Spitz <u>flöte</u> | | | |

HYMN REGISTRATION SHORTCUTS

These are just tips. Not rules. Every organ is different. More importantly is how you phrase, keep precise rhythm, and bring out words. It's all about how to make hymn singing exciting!

Following is an easy-to-use "shortcut" plan for selecting stops in either meditative or jubilant hymns for congregational singing. It can be used with most pipe or electronic church organs.

A FEW OF THE MOST IMPORTANT GUIDELINES

- 1. Support the congregation with confidence, but do not overpower
- 2. Let the text guide the registrational plan for the hymn
- 3. Begin with stops from the principal chorus, especially at the 8' level
- 4.8' and 4' pitches are minimum for the manual; 16' and 8' are minimum for the pedal
- 5. In meditative hymns, substitute flutes for principals at 4' and 2' levels as needed to reduce sharpness
- 6. Use changes of registration between verses and/or between verse and chorus

BASIC HYMN REGISTRATION

MEDITATIVE HYMNS: Begin with this basic combination

- Great: Principals 8' and 4' (the stops may be called *Principal*, *Diapason*, *Octave*, or *Prestant*)
- Pedal: The main 16' stop (may be called *Principal, Subbass, Bourdon,* or *Gedackt*), and Great to Pedal

JUBILANT HYMNS:

Add the 2' Principal on the Great to the meditative hymn combination, resulting in

- Great: Principals 8', 4' and 2' (the 2' stop may be called *Super Octave*, *Fifteenth*, or *Doublette*)
- Pedal: The main 16' stop, and Great to Pedal

FOR A SINGLE CHANGE OF REGISTRATION BETWEEN VERSES

MEDITATIVE HYMNS: Couple the Swell chorus 8' 4' 2' to the Great

Begin with the Basic Hymn Registration for Meditative Hymns (above). Also, prepare the following:

- Swell: flutes or principals 8' and 4' and flute 2' resulting in:
 - 8' stop (Bourdon, Gedackt, Geigen Prinzipal, or Diapason)
 - 4' stop (Flute, Nachthorn, Spitzprinzipal, Octave, Prestant, or Kloppelflute)
 - 2' stop (Piccolo, Blockflute, Flute à bec)

Later, between verses or between a verse and the chorus, add the Swell to Great coupler

JUBILANT HYMNS: Add the Great chorus mixture

- Begin with the Basic Hymn Registration for Jubilant Hymns (see above)
- Later, between verses or between a verse and the chorus, add the Great chorus mixture (usually called *Mixtur[e]*, and always followed by a Roman numeral)
- For yet another change, you might add a chorus reed 8' on the Great or Swell (*Trumpet, Trompette, Tromba,* or *Fagott*)

HYMN MARKINGS

| 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - | |
|---|---|
| , | Placed in between repeated notes in each voice to indicate that the notes be repeat- ed leaving half the value of the note in silence (lift on the "and" of the count <u>or</u> the "and of the and" if 8 th notes are involved) |
| - | A hyphen indicates either substitution (replacing one finger with another while the note is held down) or finger/thumb glissando if the hyphen appears between two of the same finger numbers. |
| I | Complete lift between text phrases - all voices (tenor, alto, soprano) as well as the bass in the pedal. |
| / | Break only the alto and soprano voices to effect a partial text lift; i.e., "Never leave us, / never leave us" or "Come follow me / the Savior said". |
| \smile | Text to continue without a break |
| ·•••••• | A broken tie indicates that some verses will not be tied because of text breaks. |
| () | Encloses a note that can be ignored in that voice because it is already being played in another voice |
| Г٦ | Redistribute the alto voice into the left hand to make it easier to keep a good legato. Once the bracket starts, all alto notes are played in the left hand until the bracket ends. |
| ٨ | Symbol indicating that the pedal note should be played with the toe. If the toe mark is below the bass stave, play with your left toe; if above the bass stave, play with your right toe. |
| O or U | Symbol indicating that the pedal note should be played with the heel. |
| | When one voice in a stave is being held longer than the other voice, these horizon- tal lines serve as a cue to the subconscious mind to hold the longer notes over the shorter notes. |
| | |

HYMNS IN PRACTICE

REDEEMER OF ISRAEL

Sample of Fully-Prepared Score



(2) G+:+Mix +Sw/G+ Pd:+TF/6

+ Sw/PJ

Text: William W. Phelps, 1792-1872; adapted from Joseph Swain, 1761-1796 Included in the first LDS hymnbook, 1835. Music: Freeman Lewis, 1780-1859

0 SW: Tr 8 6t: Pr 8 42 6t: 1-8 42 Pd: Pr 16 8, 6t/pj

The following have been added into the score:

Text

- Keywords underlined
- Phrasing (given with slurs, vertical lines, and verse numbers in the text)

Plan for treatment of repeated notes (ties only)

Fingering and pedaling

(note changes in the last two measures to allow for right-hand stop changing between verses)

Music—Instructions for the introduction

- Modified "boundaries" (marked with double diagonal lines)
- Idea (soprano and alto duet, then accompanied)
- Registration (trumpet duet alone, then with flue accompaniment)

Registration plan

- Combination listed for pistons 1 and 2
- Manual indications (given at the beginning of each verse)
- Stop change indications (given at the end of each verse)

PRACTICE WITH MARKINGS

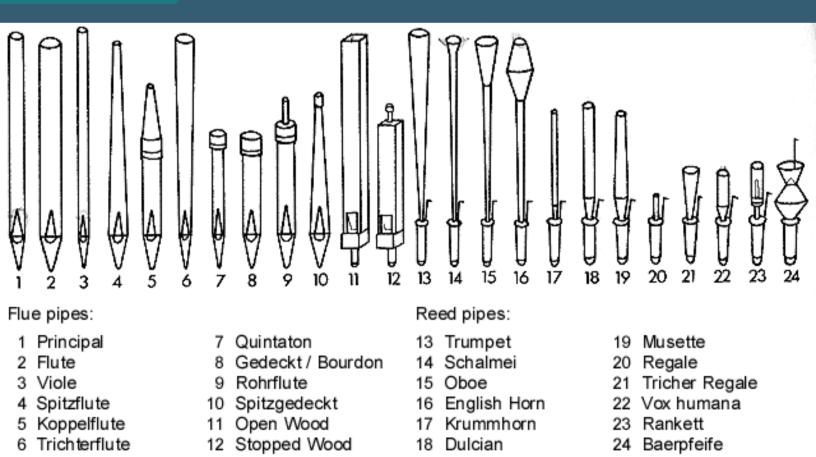


TYPES OF MUSIC TO PREPARE



REGISTRATION

Pipe organists follow a strict Euro-centric education, as is the case for all classical music education. The study of Latin-American styles is not a study of repertoire but of styles and musical vocabularies. It is a study of improvisation.



INDIVIDUAL PIPES

