

—擊樂清單—

人數

兩名打擊樂演奏者

使用樂器

顫音鐵琴(Vib.)

小鼓(S. D.)

定音鼓 (四鼓)

三角鐵

室內樂四章

(May, 2003)

樂曲解說

第一章

以緩慢的速度為曲子做開序，在每一聲部音樂線條相互的交織下產生了多元的音色融合及變化。

第二章

將每一聲部的節奏，鮮明的顯現，並將節奏韻律合為一體，來顯現整體樂思。

第三章

兩種不同的意念，顯現在此章節，並非實際的要去讓它們調和融入，也許只是陳述性質的傳達意念。

第四章

以小鼓特有的音響來貫穿全曲，強烈地與其他樂器在音色上，產生明顯的對比。豎笛使用許多滑音來突顯及表現，絃樂器群以三拍子的舞曲形式做為另一重要的元素。多重元素發展變化下，形成此章節音樂變化劇烈、轉換迅速。

第一章

♩ = 60 ca.

1

Fl.

Cl. & Bel.

Vib.

Timp. (in F, E^b, C, F) *pp* *p* *mf* *f* *ff* *mp* *pp*

express. *a tempo*

Vin.

Vla.

D.B.

5

Cl. *express.* *p*

cresc.

cresc.

cresc.

First system of a musical score. It consists of two staves: a piano (P) staff in treble clef and a double bass (B) staff in bass clef. Both staves contain a melodic line with eighth and sixteenth notes, some beamed together. The piano staff has a 'cresc.' (crescendo) marking above the third measure. The double bass staff also has a 'cresc.' marking above the third measure. The system is divided into four measures by vertical bar lines.

Page 1

Second system of a musical score, starting at measure 9. It includes seven staves: Flute (Fl.), Clarinet/Bassoon (Cl. & Bcl.), Vibraphone (Vib.), Timpani (Timp.), Violins (Vln.), Viola (Via.), and Double Bass (D.B.). The Flute staff begins with an 'express.' (expressive) marking and contains a rapid sixteenth-note passage in the third measure. The Clarinet/Bassoon staff has a whole note chord in the first measure. The Vibraphone staff has a melodic line. The Timpani staff has a single note in the third measure, marked with a circled 'f'. The Violins and Viola staves have a melodic line, with the Viola staff starting on a B note in the third measure. The Double Bass staff is mostly silent.

Third system of a musical score, starting at measure 12. It consists of two staves: a piano (P) staff in treble clef and a double bass (B) staff in bass clef. Both staves contain a melodic line with eighth and sixteenth notes, some beamed together. The piano staff has a 'p' (piano) marking in the first measure. The double bass staff has a 'p' marking in the first measure. The system is divided into four measures by vertical bar lines.

Musical score for the first system, measures 1-4. The staves are arranged as follows:
 - Top staff: Flute (Fl.)
 - Second staff: Clarinet and Bassoon (Cl. & Bcl.)
 - Third staff: Violin (Vln.)
 - Bottom staff: Viola (Vla.)
 Dynamics: *p* (piano) and *mp* (mezzo-piano).

Page 2

Musical score for the second system, measures 17-20. The staves are arranged as follows:
 - Top staff: Flute (Fl.)
 - Second staff: Clarinet and Bassoon (Cl. & Bcl.)
 - Third staff: Vibraphone (Vib.)
 - Fourth staff: Tom-tom (Temp.)
 - Fifth staff: Violin (Vln.)
 - Sixth staff: Viola (Vla.)
 - Bottom staff: Double Bass (D.B.)
 Performance instructions: *Change to Bcl.*, *decresc.* (decrease), and *p* (piano).

Musical score for the third system, measures 21-24. The staves are arranged as follows:
 - Top staff: Flute (Fl.)
 - Second staff: Clarinet and Bassoon (Cl. & Bcl.)
 - Third staff: Vibraphone (Vib.)
 - Fourth staff: Tom-tom (Temp.)
 - Fifth staff: Violin (Vln.)
 - Sixth staff: Viola (Vla.)
 - Bottom staff: Double Bass (D.B.)
 Performance instructions: *Bcl.* (Bassoon), *dolce* (sweet), and *mp* (mezzo-piano).

Musical score for the first system, featuring piano (p), violin (v), and cello (c) parts. The piano part includes a *pizz.* (pizzicato) instruction. The violin and cello parts are marked *dolce*. The system concludes with a *f* (forte) dynamic marking.

Page 3

Musical score for the second system, featuring a full orchestra. The instruments and their parts are: Flute (Fl.), Clarinet and Bassoon (Cl. & Bcl.), Violoncello (Vcl.), Timpani (Timp.), Violin (Vln.), Viola (Via.), and Double Bass (D.B.). The score includes a *decresc.* (decrescendo) instruction for the woodwinds, a *Change to Cl.* instruction for the Clarinet, and *arco* (arco) instructions for the strings. The system concludes with a *f* (forte) dynamic marking.

Musical score for the third system, featuring woodwinds and strings. The system includes a tempo marking of $\text{♩} = 72$. The woodwind parts (Flute, Clarinet, Bassoon) and the string parts (Violoncello, Viola, Double Bass) are shown. The system concludes with a *f* (forte) dynamic marking.

A musical score for piano and voice, page 4. The score is written on six staves. The top staff is for the voice, and the bottom five staves are for the piano. The piano part is divided into two systems of two staves each. The music is in 4/4 time. The key signature has one sharp (F#). The score includes dynamic markings: *p* (piano) at the beginning of the voice line, *mp* (mezzo-piano) and *mf* (mezzo-forte) in the piano part. The piano part features a melodic line in the right hand and a bass line in the left hand. The voice part has a single melodic line. The score is divided into measures by vertical bar lines.

33

Fl.

Cl. & Bcl.

Vib.

Temp.

Vin.

Vla.

D.B.

37

41

48

pizz. *arco*

Page 6

49

Fl.

Cl. & Bcl.

Vib.

Timp.

Vin.

Via.

D.B.

pizz.

53

f *mp* *mf* *mp*

arco *arco* *arco*

Page 7

Three staves of music, likely for strings. The top staff is in treble clef, the middle in alto clef, and the bottom in bass clef. Dynamic markings include *p*, *mp*, and *f*. The word "arco" appears on the middle and bottom staves, indicating that the instruments should play with the bow.

57

Fl.

Cl. & Bcl.

Vib.

Tamp.

Vin.

Via.

D.B.

Full orchestral score starting at rehearsal mark 57. The score includes staves for Flute (Fl.), Clarinet and Bassoon (Cl. & Bcl.), Vibraphone (Vib.), Tam-tam (Tamp.), Violins (Vin.), Viola (Via.), and Double Bass (D.B.). The woodwinds and strings have melodic lines with various dynamic markings (*mf*, *mp*, *p*). The percussion parts include a tam-tam and vibraphone. The string section features sustained notes with dynamic markings.

7

mp f mf ff

(Bass Clarinet)

fp p

fp p

fp p

fp p

fp p

Page 1

12

Fl. *mp* *f*

Cl. & Bcl. *f*

Vib. *p*

Temp. *mp* *p* *mp* *mp*

Vm. *cresc.* *f*

Vla. *cresc.* *f*

DB *cresc.* *f*

19

express. *mp* *f* *mp*

Change to Clarinet

This is a handwritten musical score on page 2. The score is written on ten staves, organized into five systems of two staves each. The notation includes various musical symbols such as notes, rests, and dynamic markings. The dynamic markings include *mp* (mezzo-piano), *p* (piano), *f* (forte), *mf* (mezzo-forte), and *fz* (forzando). The score is written in a clear, legible hand, and the page is numbered "Page 2" at the bottom center.

Page 2

20

a tempo

Fl.

CL & Bel. Clarinet

Vib.

Timp.

Vin.

Vla.

D.B.

f *mf* *mp* *f* *mf* *pp*

legato

legato

legato

pizz.

mf

21

f *mf* *mp* *f* *mf* *pp*

mp *pp* *p* *pp* *p* *pp*

mp *pp* *p* *pp* *p* *pp*

mp *pp* *p* *pp* *p* *pp*

cresc.

f *mf* *mp* *mf* *pp*

Page 3

Fl. *mf* *mp* *mf* *f*

Cl. & Bcl. *mp*

Vib. *p*

Temp. *(♩)*

Vin. *mp* *pp* *mp* *pp* *mp* *pp*

Vla. *mp* *pp* *mp* *pp* *mp* *pp*

D.B. *f* *mp* *mp*

mp *p* *pp* *p*

p *mp*

p *mp*

arco

arco

Page 4

48

Fl.

Cl. & Bcl.

Vib.

Timp.

Vin.

Vla.

D.B.

p

mf

pizz.

55

ff

f

ff

p

mp

mf

Musical score for three staves, likely piano and strings. The top staff has a treble clef, the middle a bass clef, and the bottom a bass clef. Dynamics include *mp*, *mf*, and *p*. The score shows measures 1 through 5.

Page 5

Musical score for a full orchestra, measures 6 through 10. The instruments listed on the left are Fl (Flute), Cl & Bb (Clarinet and Bassoon), Vib (Vibraphone), Timp (Timpani), Vln (Violins), Vla (Viola), and D.B. (Double Bass). Dynamics range from *p* (piano) to *ff* (fortissimo). The score includes various musical notations such as slurs, ties, and accents.

Continuation of the musical score, measures 11 through 15. The dynamics include *p* (piano) and *mf* (mezzo-forte). The notation continues with various musical symbols and clefs.



Page 6

第三章

1 $\text{♩} = 76$

FL mp

Cl. & Bcl. Change to Bass Clarinet

Vib.

Temp. pp

Vin. pizz. mf

Vla. pizz. mf

D.B. pizz. mf

2

arco

Page 1

String section score (Violins I, Violins II, Violas, Cellos/Double Basses) in 3/4 time. Measures 1-4. Dynamics include *p*, *mf*, and *f*. The word "arco" is written above each staff.

Fl.

Cl. & Bcl. (Bass Clarinet)

Vib.

Timp.

Vin.

Vla.

D.B.

Woodwind and percussion section score. Measures 5-8. Includes Flute (Fl.), Clarinet and Bass Clarinet (Cl. & Bcl.), Vibraphone (Vib.), Timpani (Timp.), Violins (Vin.), Viola (Vla.), and Double Bass (D.B.). Dynamics include *pp*, *mf*, *f*, and *p*.

13

String section score (Violins I, Violins II, Violas, Cellos/Double Basses) in 3/4 time. Measures 9-12. Dynamics include *mf* and *mp*.

Handwritten musical score on page 2, featuring six staves. The notation includes various musical symbols such as notes, rests, and dynamic markings. The staves are arranged in three pairs, with the first pair at the top and the last pair at the bottom. The music is written in a style that suggests a piano or similar instrument. The page is numbered "Page 2" at the bottom center.

Dynamic markings visible include:

- mf* (mezzo-forte) at the beginning of the first staff.
- p* (piano) at the beginning of the second staff.
- mp* (mezzo-piano) at the beginning of the third staff.
- p* (piano) at the beginning of the fourth staff.
- pizz.* (pizzicato) at the beginning of the fifth staff.
- p* (piano) at the beginning of the sixth staff.
- mp* (mezzo-piano) at the end of the sixth staff.

Page 2

This musical score is for measures 17-19 of 'The Swan' from 'The Nutcracker'. The score is written for a full orchestra and includes the following parts:

- Fl.** (Flute): Measures 17-19, starting with a glissando (gliss.) and a forte (f) dynamic.
- Cl. & Bcl.** (Clarinet and Bassoon): Measures 17-19, starting with a forte (f) dynamic.
- Vib.** (Vibraphone): Measures 17-19, starting with a forte (f) dynamic.
- Timp.** (Timpani): Measures 17-19, starting with a forte (f) dynamic.
- Vin.** (Violins): Measures 17-19, starting with a forte (f) dynamic.
- Via.** (Violas): Measures 17-19, starting with a forte (f) dynamic.
- D.B.** (Double Bass): Measures 17-19, starting with a forte (f) dynamic.

The score is in 3/4 time and features a variety of musical notations, including slurs, ties, and dynamic markings (f, mp, p, mf, sf, sfz).

20

Violin I

Violin II

Viola

Violoncello

Double Bass

Flute

Oboe

Clarinet

Bassoon

Horn

Trumpet

Tuba

arco

Page 3

22

Fl. *f* *ff* *mp* *p*

Cl. & Bcl. *f* *ff*

Vib. *p* *p* *p* *p*

Temp. *f* *f* *ff* *pp*

Vin. *p* *sempre p*

Vla. *mp* *ff* *express.*

D.B. *mp* *ff*

24

p *mp* *f* *mp*

f *p* *mp*

pp

f *mp*

ff *mp* *p*

pp *express.*

ff *mp* *f* *ff* *express.*

Page 4

20

Fl. *p*

Cl. & Bcl. *p* *p* *p* *p* *p*

Vib.

Timp. *sempre pp* (4g) → (4g)

Vin. *sempre p*

Vla. *sempre p*

D.B. *ff* *mp* *p* gliss. gliss. gliss.

20

p *ff*

pp *pp*

pizz. *cresc.* *f* *p*

cresc. *f* *p*

pizz. *B*

Musical score for "The Rose Tree" (No. 100). The score is written for three staves: Treble, Bass, and Tenor. The key signature is one flat (B-flat), and the time signature is 4/4. The music is in common time. The score includes various musical notations such as notes, rests, and dynamic markings (f, mp, p, gliss., pizz.). The lyrics are written below the staves. The score is divided into two systems, with a page number "Page 5" at the bottom center.

Treble Staff: *f* *mp* *p*
 Bass Staff: *pizz.* *f* *mp* *pizz.* *mp* *p*
 Tenor Staff: *gliss.* *mp* *mp* *p*

Page 5

The first system of the musical score includes staves for Flute (Fl.), Clarinet and Bassoon (Cl. & Bd.), Vibraphone (Vib.), Timpani (Timp.), Violins (Vin.), Viola (Vla.), and Double Bass (D.B.). The Flute part begins with a melodic line marked *mp*. The Clarinet and Bassoon part has a melodic line marked *pp*. The Vibraphone part has a melodic line marked *pp*. The Timpani part has a melodic line marked *pp*. The Violins part has a melodic line marked *pp*. The Viola part has a melodic line marked *pp*. The Double Bass part has a melodic line marked *pp*. The system concludes with a double bar line.

32

sempre pp

sempre pp

sempre pp

pp

Three staves of music, likely for strings. The top staff is in treble clef, the middle in alto clef, and the bottom in bass clef. All staves begin with a dynamic marking of *mf*. The music features a mix of eighth and sixteenth notes, with some rests. The top staff has a *v* (accusato) marking above a note. The middle and bottom staves also have *v* markings above notes. The word *arco* appears on the right side of the middle and bottom staves.

Page 6

A full orchestral score page. The staves are labeled on the left: Fl. (Flute), Cl. & Bcl. (Clarinet and Bassoon), Vib. (Vibraphone), Timp. (Timpani), Vin. (Violins), Vla. (Viola), and D.B. (Double Bass). The Flute staff starts with a *p* dynamic and includes the instruction *express.* and a fermata. The Clarinet and Bassoon staff has the instruction *Change to Clarinet*. The Vibraphone staff has a *mf* dynamic. The Timpani staff has a *p* dynamic. The Violin and Viola staves have *arco* markings and a *p* dynamic. The Double Bass staff has a *p* dynamic. The score includes various musical notations such as notes, rests, and articulation marks.

A continuation of the musical score for three staves. The top staff is in treble clef, the middle in alto clef, and the bottom in bass clef. The music continues with various note values and rests, maintaining the *mf* dynamic marking.

musical score for piano and strings, measures 1-4. The piano part is in the upper staves, and the string part is in the lower staves. The piano part features a melody with eighth and sixteenth notes, and the string part provides a rhythmic accompaniment with eighth notes. The piano part is marked *mp* (mezzo-piano).

Page 7

musical score for woodwinds, strings, and percussion, measures 30-40. The woodwind part (Flute) features a melody with eighth and sixteenth notes, and the string part provides a rhythmic accompaniment with eighth notes. The woodwind part is marked *mf* (mezzo-forte). The percussion part (Timp.) is marked *mf* (mezzo-forte). The string part (Vib.) is marked *mf* (mezzo-forte). The string part (Vib.) is marked *mf* (mezzo-forte). The string part (Vib.) is marked *mf* (mezzo-forte).

musical score for woodwinds, strings, and percussion, measures 41-50. The woodwind part (Flute) features a melody with eighth and sixteenth notes, and the string part provides a rhythmic accompaniment with eighth notes. The woodwind part is marked *mf* (mezzo-forte). The percussion part (Timp.) is marked *mf* (mezzo-forte). The string part (Vib.) is marked *mf* (mezzo-forte). The string part (Vib.) is marked *mf* (mezzo-forte). The string part (Vib.) is marked *mf* (mezzo-forte).

A handwritten musical score on page 8, consisting of six staves. The notation includes treble and bass clefs, notes, rests, and dynamic markings such as *ff* (fortissimo) and *f* (forte). The score is divided into two systems by a vertical line. The first system contains the first three staves, and the second system contains the remaining three staves. The notation is dense and appears to be a complex piece of music, possibly for a piano or a similar instrument.

42

Fl.

Cl. & Bcl.

Vib.

Timp.

Vin.

Vla.

D.B.

f *ff* *mp* *fp* *pp*

gliss. *b*

express.

44

p *pp* *f* *mp* *p*

gliss.

plce

The image shows a page from a musical score for 'The Swan' by Camille Saint-Saëns. The score is written for a piano and a cello. The piano part is in the upper staves, and the cello part is in the lower staves. The music is in 3/4 time and G major. The piano part begins with a series of sixteenth notes, while the cello part provides a harmonic accompaniment with sustained notes and some movement. The score includes dynamic markings such as 'ppp' (pianissimo) and 'V' (crescendo). The page is numbered '48' in the top left corner.

Page 10

ppp

arco

第四章

1 $\text{♩} = 50$

express.

mp

Fl.

Cl. & Bcl. Clarinet

S.D. Side drum 將響線(Sourc)調的器開閉鼓皮呈緊繃狀態

ppp

Timp. Triangle

Vin. *p* *gliss.*

Vla. *p* *gliss.*

D.B. *p* *gliss.*

4

express.

a poco cresc.

gliss.

mp

f

scmpet pp

gliss.

Musical score for three staves (Flute, Clarinet/Bassoon, Bass). The notation includes a melodic line with glissandos (gliss.) and dynamic markings such as *p*, *mp*, *mf*, and *fp*. The score is labeled "Page 1".

Musical score for a full orchestra, starting at measure 11. The instrumentation includes Flute (Fl.), Clarinet/Bassoon (Cl. & Bcl.), String Drums (S.D.), Triangle, Violins (Vim.), Viola (Via.), and Double Bass (D.B.). The score features complex rhythmic patterns, glissandos (gliss.), and dynamic markings such as *mp*, *ff*, *mf*, *p*, and *f*.

Musical score for a full orchestra, starting at measure 16. The instrumentation includes Flute (Fl.), Clarinet/Bassoon (Cl. & Bcl.), String Drums (S.D.), Triangle, Violins (Vim.), Viola (Via.), and Double Bass (D.B.). The score features complex rhythmic patterns, glissandos (gliss.), and dynamic markings such as *mp*, *ff*, *mf*, *p*, and *f*. Specific performance instructions like "Sul A", "Sul D", "Sul G", and "pizz" are present.

Musical score for the first system, featuring four staves. The top two staves are for woodwinds (Flute and Clarinet/Bassoon) and the bottom two are for strings (Violin and Viola). Dynamics include *p*, *ff*, *f*, and *mp*. A section marked *Sol G.* is indicated.

Page 2

Musical score for the second system, featuring multiple staves. The top staff is for Flute (Fl.), followed by Clarinet and Bassoon (Cl. & Bel.), Snare Drum (S.D.), Timpani (Timp.), Violin (Vin.), Viola (Via.), and Double Bass (D.B.). Dynamics include *f*, *mp*, *pp*, *p*, *ppp*, *express.*, *a poco cresc.*, and *pizz.*. A section marked *Sol G.* is indicated.

Musical score for the third system, featuring woodwinds, strings, and percussion. Dynamics include *express.*, *gliss.*, *pp*, *f*, *mp*, *ff*, and *Triangle express.*.

Triangle *express.*

Page 3

This musical system includes staves for Triangle, Flute (Fl.), Clarinet and Bassoon (Cl. & Bd.), Saxophone (S.D.), Timpani (Timp.), Violin (Vln.), Viola (Vla.), and Double Bass (D.B.). The Triangle part is marked *express.* and *mf*. The Flute part has a *pp* marking. The Clarinet and Bassoon part has a *f* marking. The Saxophone part has a *pp* marking. The Timpani part has a *f* marking. The Violin and Viola parts have a *f* marking. The Double Bass part has a *f* marking. The system is marked *pp* and *f*.

31

Fl. *a tempo*

Cl. & Bd. *gliss.* *a tempo*

S.D. *a tempo*

Timp. *a tempo* Timpani

Vln. *a tempo* arco

Vla. *a tempo* arco

D.B. *a tempo* arco

This musical system continues the orchestration from the first system. The Flute part has a *pp* marking. The Clarinet and Bassoon part has a *gliss.* marking. The Saxophone part has a *pp* marking. The Timpani part has a *pp* marking. The Violin and Viola parts have a *f* marking. The Double Bass part has a *f* marking. The system is marked *a tempo* and *arco*.

32

gliss.

將響線(Snare)調到瀾瀾的鼓皮緊繃狀態

This musical system continues the orchestration from the second system. The Flute part has a *ff* marking. The Clarinet and Bassoon part has a *gliss.* marking. The Saxophone part has a *ff* marking. The Timpani part has a *ff* marking. The Violin and Viola parts have a *f* marking. The Double Bass part has a *f* marking. The system is marked *ff* and *gliss.*.

將響線(Snare)調節器關閉,鼓皮呈緊繃狀態

A musical score for a percussion ensemble, consisting of five staves. The notation includes various musical symbols such as notes, rests, and dynamic markings. The first staff has a tempo marking 'mp' and a dynamic marking 'f'. The second staff has a tempo marking 'mp' and a dynamic marking 'pp'. The third staff has a tempo marking 'mp' and a dynamic marking 'pp'. The fourth staff has a tempo marking 'mp' and a dynamic marking 'pp'. The fifth staff has a tempo marking 'mp' and a dynamic marking 'pp'. The score is written in a single system, with measures grouped by bar lines. The notation is in a standard musical format, with a key signature of one flat and a time signature of 4/4. The score is written in a single system, with measures grouped by bar lines. The notation is in a standard musical format, with a key signature of one flat and a time signature of 4/4.

sempre pp

gliss. Sol A

Sol D

Sol C

gliss.

Page 4

41

Fl.

Cl. & Bcl.

S.D.

Timp.

Vin.

Vla.

D.B.

mp pp mp pp mf pp pp p

p pp p

mp

mp

mp

42

mp p

mp p

p f mp ff

pp

pp

pp

ff

ff

ff

B

51 $\text{♩} = 54$

Fl. *mp* *mf* *fp* *pp* *mf*

Cl. & Bel. *mp* *mf* *fp* *pp* *mf*

S.D. *ff*

Timp. *ff* $\left(\frac{1}{2} \rightarrow \frac{1}{4} \right)$

Vin. *mp* *mf* *f* *gliss.*

Vla. *mp* *mf* *f* *gliss.*

D.B.

52 *pp* *pp* *p* *f* *gliss.* *pp* *p* *pp* *gliss.* *gliss.* *gliss.* *ff* *mp* *mf*

Sul D. *f* *gliss.* *pp*

express. *f* *mp* *f* *gliss.* *gliss.* *gliss.* *ff* *mp* *mf*

P *express.* *f* *mp* *f* *pp* *gliss.* *gliss.* *gliss.* *mp* *mf*

Page 6

(6)

Fl. *pp* *p* *mf* *f* *gliss.*

Cl. & Bcl. *pp* *p* *mf* *f*

S.D. *mp* *mf*

Timp. *p* *pp*

Vin. *sempre pp* *p* *mf* *f*

Vla. *sempre pp* *p* *mf* *f*

Vla. *sempre pp* *p* *mf* *f*

D.B. *f* *gliss.* *mf* *fp* *mf* *f*

99 *Con moto* 速度加快

ff *gliss.* *fff* *gliss.* *gliss.* *gliss.* *gliss.* *gliss.* *gliss.*

Page 7

gliss. gliss. gliss. gliss.

ff ff ff ff

This musical score is for three staves, likely representing different voices or instruments. The notation includes various musical symbols such as notes, rests, and dynamic markings. The first staff is in treble clef, the second in alto clef, and the third in bass clef. The score is divided into measures by vertical bar lines. The markings 'gliss.' and 'ff' are prominent, indicating glissando and fortissimo respectively. The page number 'Page 7' is centered below the staves.