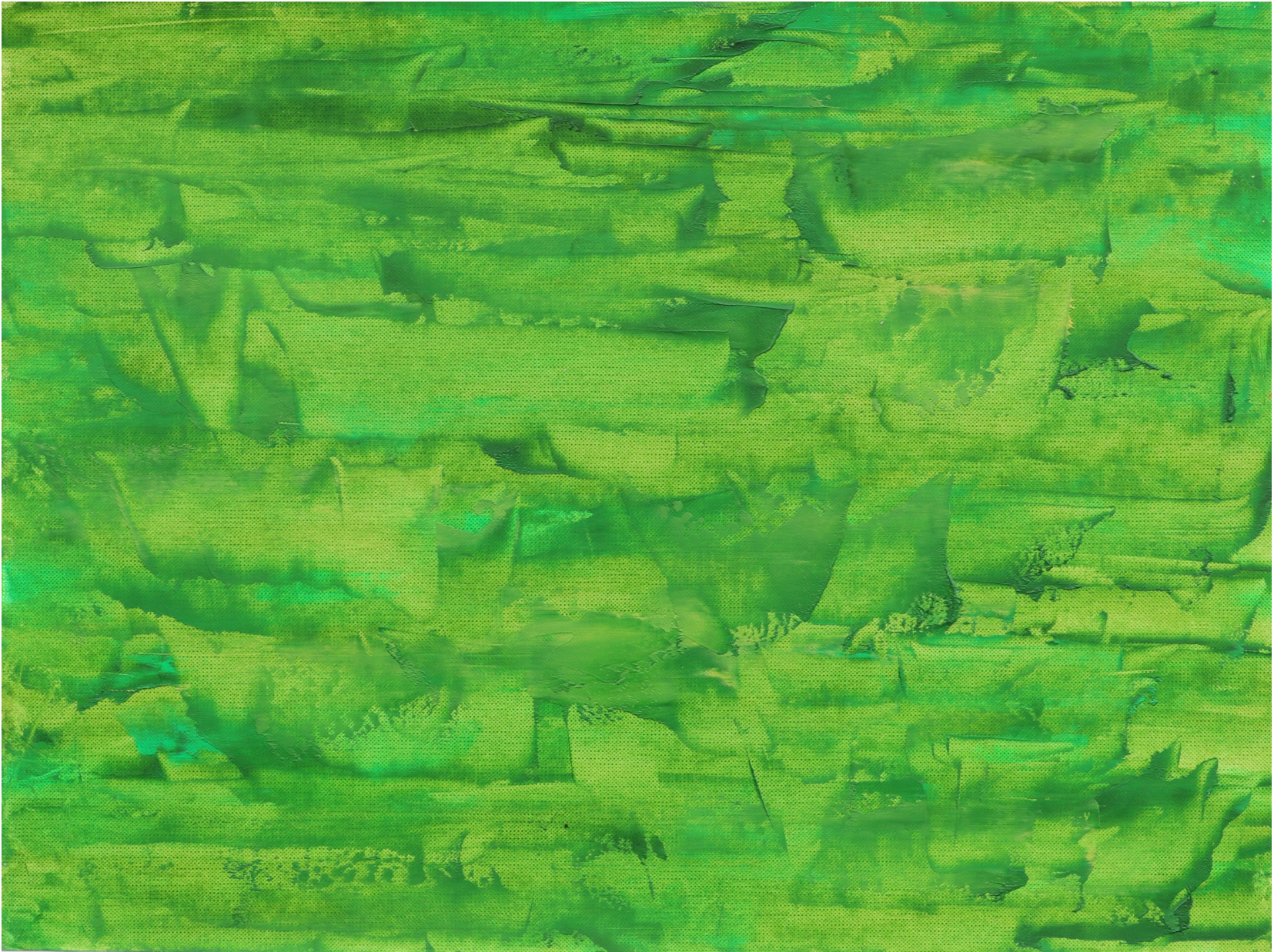




# SCIENCE

10%



*"Een reiziger moet een botanicus zijn". Dat schreef Charles Darwin toen hij zich op de Galapagos-eilanden bevond. En Darwin, waarvan teksten te horen zijn, was ook botanicus. Hij publiceerde over planten in vele artikelen en in zo'n acht boeken. Dit was voor de schilder de reden om bij "Biology" te kiezen voor groen, de kleur van vegetatie. Darwins evolutietheorie geldt eveneens voor de plantenwereld: nieuwe soorten planten kunnen uit oudere ontstaan.*

### **Science - Biology**

Science is een compositie van Verklanking, een samenwerkingsverband tussen componist Vincent Cox, wetenschapper Dr. Tim Leufkens en dirigent Frank Marx.

Het muziekstuk stelt de vraag 'wat maakt een mens een mens?' centraal.

Aan de hand van de verklanking van vier wetenschappen, namelijk natuurkunde, biologie, wiskunde en psychologie wordt gezocht naar een antwoord op de vraag.

De compositie heeft naast de vier wetenschappen een introducerend deel, de hypothese, en een afsluitend deel, de falsificatie. De delen heten in volgorde van verschijnen 'Hypothesis', 'Physics', 'Biology', 'Mathematics', 'Psychology' en 'Falsifiability'.

In 'Biology' wordt de evolutietheorie verklankt.

Zoals de theorie, begint het deel simpel en ingetogen, maar zal het zich ontwikkelen tot een complex en krachtig geheel. Wetenschapper Darwin's revolutionaire en controversiële gedachten worden verklankt door gebruik te maken van instrumentarium met voornamelijk natuurlijke klanken.

Charles Darwin:

There is grandeur in this view of life, with its several powers,  
having been originally breathed into a few forms or into one;  
and that, whilst this planet has gone cycling on according to  
the fixed law of gravity, from so simple a beginning  
endless forms most beautiful  
endless forms most wonderful  
have been, and are being, evolved.

It has often and confidently been asserted,  
that man's origin can never be known:  
but ignorance more frequently begets confidence than does knowledge:  
it is those who know little, and not those who know much, who so positively assert  
that this or that problem will never be solved by science.

endless forms most beautiful  
endless forms most wonderful  
have been, and are being, evolved.

Man in his arrogance thinks himself a great work  
worthy the interposition of a deity.  
More humble, and I believe truer,  
to consider him created from animals.

endless forms most beautiful  
endless forms most wonderful  
have been, and are being, evolved.

*Science logo: Roy Wagemans*  
*Projectie: Harry van Meurs*



Vib. *f* *p cresc.*

Mar.1 *f dim.* *p cresc.* *f* *mf*

Mar.2 *f dim.* *p* *f* *mf*

S.

M-S.

A.

T.

Bar.

B.

Riverst./ W.Box.Sml *f* Riverstones, *mediv* *f* *mf*

Riverst./ W.Box.Med. *f* Riverston -right) *f* *mf*

Riverst./ W.Box.Lrg. *f* *f* *mf*

Riverst./ High W.Blck. *pp cresc.* *f*

Bngs./ W.Blcks.

Cng./ L.Dr. *3*

Sml.Gng Clvs.

SCIENCE - BIOLOGY

poco rit.

A tempo

l.v.

Vib. *mf* *p* *mf* + = deadstroke

Mar.1 *p* *f dim.* + = deadst

Mar.2 *p* *f dir* *ppp*

S.

M-S.

A.

T.

Bar.

B.

Riverst./ W.Box.Sml *p*

Riverst./ W.Box.Med. *p*

Riverst./ W.Box.Lrg. *p* *p*

Riverst./ High W.Blck. *p* *p*

Bngs./ W.Blcks. *f* 4 Woodblocks, rubber mallets

Cng./ L.Dr. *f* Logdrums, mallets

Sml.Gng Clvs. *f dim.* *pp* Claves, low pitch

SCIENCE - BIOLOGY

mallets l.v.

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

*f dim.* *ppp* *f dim.* *p*

*f dim.* *ppp* *f dim.* *ppp*

*mf* *f* *f* *p*

*mf* *f* *p*

*mf* *f* *p*

*mp* *pp*

*mp* *pp*

*mf dim.* *pp* *mp dim.* *pp*

Bongos, with superbll

Conga, with sup

SCIENCE - BIOLOGY

This musical score page includes the following parts and markings:

- Vib.**: Starts at measure 14 with a triplet of eighth notes, followed by a *cresc.* section, and ends with a sixteenth-note triplet marked *f*.
- Mar.1**: Features a melodic line with accents and a *f* dynamic marking.
- Mar.2**: Features a melodic line with accents and a *f* dynamic marking.
- S.**, **M-S.**, **A.**, **T.**, **Bar.**, **B.**: String and woodwind parts with rests.
- Riverst./W.Box.Sml**: Percussion part with a triplet marked *mp*, followed by *mf*, *f* (with a 5-measure triplet), and *ff* (with a 6-measure triplet).
- Riverst./W.Box.Med.**: Percussion part with rests.
- Riverst./W.Box.Lrg.**: Percussion part with rests.
- Riverst./High W.Blck.**: Percussion part with a triplet marked *mf* and a *f* dynamic marking.
- Bngs./W.Blcks.**: Percussion part with a melodic line and a *simile* marking.
- Cng./L.Dr.**: Percussion part with a melodic line and a *simile* marking.
- Sml.Gng Clvs.**: Percussion part starting with *pp*, followed by a melodic line with a *h superbball* marking and a *simile* marking.



rit.

l.v.

Vib. *p cresc.* 3 5 6 *ff*

Mar.1 *p cresc.* *mf* *p*

Mar.2 *p* *mp cresc.* *mf* *p*

S.  
M-S.  
A.  
T.  
Bar.  
B.

Riverst./ W.Box.Sml *p cresc.* 5 6 *f* *mf* *p*

Riverst./ W.Box.Med. *f* *mf* *p*

Riverst./ W.Box.Lrg. *f* *mf* *p*

Riverst./ High W.Blck. 3 *f* *mf* *p*

Bngs./ W.Blcks.

Cng./ L.Dr. 3

Sml.Gng Clvs.

SCIENCE - BIOLOGY

THEORY

21 **1** ♩=144

*con arco*

*l.v. (sempre)*

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

Riverst./  
W.Box.Sml

Riverst./  
W.Box.Med.

Riverst./  
W.Box.Lrg.

Riverst./  
High W.Blck.

Bngs./  
W.Blcks.

Cng./  
L.Dr.

Sml.Gng  
Clvs.

*pp* *mp* *dim.*

*pp*

*pp*

*sc.*

*mf*

es Charles Charles Charles

*pp cresc.*

*mf*

Charles Charles Charles Charles

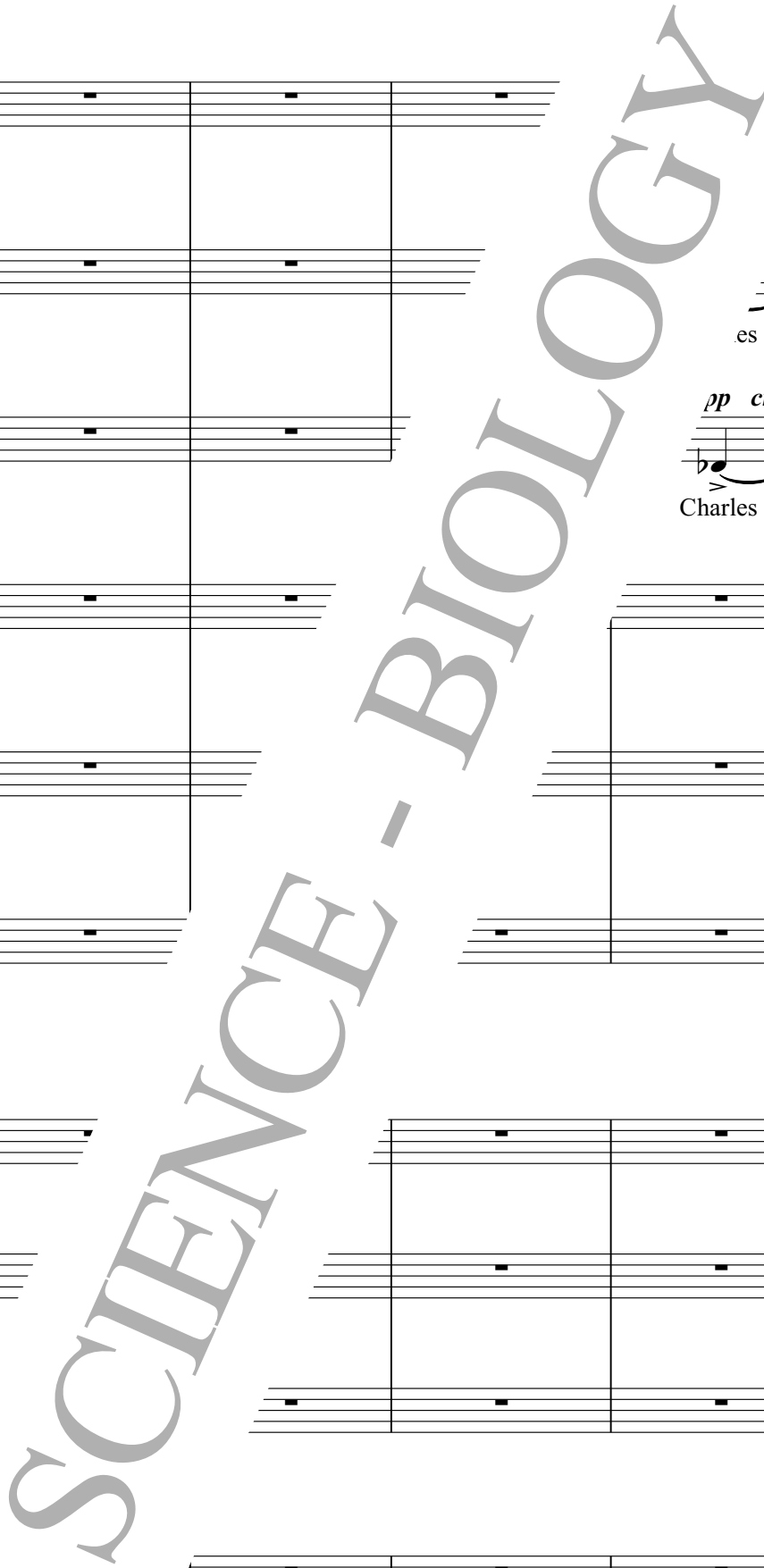
Very high Woodblock

*p*

Claves

*simile*

*mp p mp p mp p*



28

mallets

Vib. *pp cresc.* *mp* *pp cresc.*

Mar.1

Mar.2

S.

M-S. *pp cresc.*  
Charles Charles Charl

A. *pp cresc.*  
Charles Charles

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

34 *l.v.* *mp* *pp cr* *l.v.* *mp*

Vib.

Mar.1

Mar.2

S.

M-S. *mf*  
Charles Charles Charles Charles Charles Charles

A. *mf* *cresc.* *mf*  
Charles Charles Charles Charles Charles Charles

T.

Bar.

B.

Riverst./  
W.Box.Sml

Riverst./  
W.Box.Med.

Riverst./  
W.Box.Lrg.

Riverst./  
High W.Blck.

Bngs./  
W.Blcks.

Cng./  
L.Dr.

Sml.Gng  
Clvs.

40

Vib. *pp cresc.* *mp* *pp cresc.*

Mar.1

Mar.2

S.

M-S. *pp cresc.*  
Charles Charles Char'

A. *pp cresc.*  
Charles Charles

T.

Bar.

B.

Riverst./  
W.Box.Sml

Riverst./  
W.Box.Med.

Riverst./  
W.Box.Lrg.

Riverst./  
High W.Blck.

Bngs./  
W.Blcks.

Cng./  
L.Dr.

Sml.Gng  
Clvs.

*l.v.*

*pp*

*cresc.*

*mp*

*pp cresc.*

*pp cresc.*

*pp cresc.*

*pp*

*Logdrums, rubber mallets*

46 *l.v.*

Vib. *mp*

Mar.1 *pp cresc.* *p*

Mar.2

S.

M-S. *mf* *pp cresc.*  
Charles Charles Charles Charles Charles Charles

A. *mf* *pp cresc.*  
Charles Charles Charles Charles Charles Charles

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

51

Vib. *mp p cresc. mf dim. p pp cresc. mp p cresc.*

Mar.1

Mar.2

S. *p cresc. mf dim. p p cresc.*  
Dar-win Dar-win Dar-win Dar-win Dar-win Dar-win

M-S. *mf*  
Charles Charles Charles Charles

A. *mf*  
Charles Charles Charles Charles

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

This musical score is for a symphony orchestra and vocal soloists. The page is numbered 16 and contains measures 56 through 60. The instruments and parts are listed on the left: Vibraphone (Vib.), Maracas (Mar.1, Mar.2), Soprano (S.), Mezzo-Soprano (M-S.), Alto (A.), Tenor (T.), Baritone (Bar.), Bass (B.), Riverst./W.Box.Sml., Riverst./W.Box.Med., Riverst./W.Box.Lrg., Riverst./High W.Blck., Bngs./W.Blcks., Cng./L.Dr., and Sml.Gng Clvs. The score includes dynamic markings such as *mf dim.*, *p*, *pp cresc.*, *mp*, and *p cresc.*. The vocal parts have lyrics: "Dar-win Dar-win" for the Soprano, and "Charles" for the Mezzo-Soprano, Alto, and Tenor. A large, diagonal watermark reading "SCIENCE - BIOLOGY" is overlaid across the center of the page.



60

Vib. *mf dim.* *p* *pp cresc.* *mp* *mf dim.* *p*

Mar.1

Mar.2 *p*

S. *mf dim.* *p* *c.* *mf dim.* *p*  
 Dar-win Dar-win r-win Dar-win Dar-win Dar-win

M-S. *pp cresc.*  
 Charles Charles ies

A. *pp cresc.* *mf*  
 Charles Charles

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks. Bongos

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY



Vib. *p mp di*

Mar.1

Mar.2

S. *p*

Charles Charles Charles Charles Charles Charles Charles

M-S. *p cresc.*

Charles Charles Charles Charles Charles Charles

A. *p cresc. dim.*

Charles Charles Charles Charles Charles Charles

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr. Congas

Sml.Gng Clvs.

SCIENCE - BIOLOGY

Vib. *75*  
*p cresc.* *mp dim.*

Mar.1  
 Mar.2

S. *p* *mf di* *p*  
 Charles Charles Char' es Charles Charles Charles

M-S. *p cresc.* *mf di*  
 Charles Charles Charles Charles Char' es Charles Charles

A. *p cresc.*  
 Charles Charles Charles Charles Charles Charles Charles

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

80

Vib. *p cresc.* *mf dim.* *p cresc.*

Mar.1

Mar.2

S. *mf*  
Dar - win

M-S. *p cresc.*  
Charles Charles Charles Charles

A. *p cresc.* *mf dim.* *p cresc.*  
Charles Charles Charles C Charles Charles Charles

T. Charles Charles

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

84

Vib. *mf dim.* *p cresc.*

Mar.1

Mar.2

S. Dar-win Dar-win Dar-win

M-S. Charles Charles Charles Charles Charles Charles

A. Charles Charles Charles Charles Charles Charles

T. Charles Charles Charles

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

Detailed description: This is a page of a musical score, page 22, starting at measure 84. The score is for a symphony orchestra and vocal soloists. The instruments listed on the left are Vibraphone (Vib.), Maracas (Mar.1 and Mar.2), Soprano (S.), Mezzo-Soprano (M-S.), Alto (A.), Tenor (T.), Baritone (Bar.), Bass (B.), Riverst./ W.Box.Sml, Riverst./ W.Box.Med., Riverst./ W.Box.Lrg., Riverst./ High W.Blck., Bngs./ W.Blcks., Cng./ L.Dr., and Sml.Gng Clvs. The vocal soloists (S., M-S., A., T.) are singing the names 'Dar-win' and 'Charles'. The music features various dynamics such as *mf dim.*, *p cresc.*, and *p*. There is a large, diagonal watermark 'SCIENCE - BIOLOGY' across the center of the page.

Vib. *mf dim.* *p cresc.* *mf dim.*

Mar.1

Mar.2

S. Dar - win

M-S. *mf dim.* *p cresc.* *mf dim.*  
Charles Charles Charles Charles Charles

A. *mf dim.* *p cresc.* *mf dim.*  
Charles Charles Ch Charles Charles

T. *p*  
Charles Charles Charles

Bar. *mp*  
Dar - win Dar - win Dar - win

B. *mp*  
Dar - win Dar - win Dar - win

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

This musical score is for a piece titled "Darwin". It features a vocal ensemble consisting of Soprano (S.), Mezzo-Soprano (M-S.), Alto (A.), Tenor (T.), Baritone (Bar.), and Bass (B.). The vocal parts have lyrics: "Dar-win" for the Soprano and Baritone, and "Charles" for the Mezzo-Soprano, Alto, Tenor, and Bass. The instrumental ensemble includes Vibraphone (Vib.), Maracas (Mar.1, Mar.2), Riverst./W.Box.Sml, Riverst./W.Box.Med, Riverst./W.Box.Lrg, Riverst./High W.Blck, Bngs./W.Blcks, Cng./L.Dr, and Sml.Gng Clvs. The score is divided into three measures. The first measure includes dynamic markings *p cresc.* and *mf dim.*. The second measure includes *mf dim.* and *p cresc.*. The third measure includes *p cresc.*. A large "SCIENCE - BIOLOGY" watermark is overlaid diagonally across the page.



96

Vib. *mf dim.* *p cresc.*

Mar.1

Mar.2

S. *mf* *p* *mf* *p* *p* *mf* *p*

Dar-win Dar-win Dar-win Dar-win Dar-win Dar-w win Dar-win Dar-win Dar-win

M-S. *mf dim.*

Charles Charles Charles Charles Charles Charles

A. *mf*

Charles Charles C' Charles Charles Charles

T. *p* *mf* *p* *mf*

Charles Char Charles Charles Charles Charles

Bar. *mf* *p* *p* *mf* *p* *mf*

Dar-win Dar-win Dar-win win Dar-win Dar-win Dar-win Dar-win Dar-win Dar-win

B. *mf* *p* *p* *mf* *p* *mf* *p*

Dar - win Dar-win Dar-win in Dar-win Dar-win Dar-win Dar-win Dar-win Dar-win

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck. *poco a*

Bngs./ W.Blcks. *p'*

Cng./ L.Dr.

Sml.Gng Clvs. *poco a poco cresc.*

SCIENCE - BIOLOGY

100

Vib. *mf dim.* *p cresc.*

Mar.1

Mar.2

S. *mf* *p* *mf* *p*  
Dar-win Dar - win Dar - win Dar-wi Dar - win Dar - win Dar-win

M-S. *mf dim.* *p cresc.*  
Charles Charles Charles Charles

A. *mf dim.* *p cresc.*  
Charles Charles Charles Charles

T. *p* *mf* *p*  
Charles Charles Charles Charles Charles

Bar. *p* *mf* *mf* *p* *mf*  
Dar - win Dar - win Dar - win Dar - win Dar - win Dar-win

B. *mf* *p* *mf* *p*  
Dar - win Dar-win Dar - wi Dar-win Dar - win Dar - win Dar - win

Riverst./W.Box.Sml

Riverst./W.Box.Med.

Riverst./W.Box.Lrg.

Riverst./High W.Blck.

Bngs./W.Blcks.

Cng./L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

103

Vib. *mf dim.* *p cresc.* *f*

Mar.1

Mar.2

S. *p* *f* *mf* *p* *f*  
 Dar - win Dar - win Dar - win Dar-w Dar-win Dar - win Dar - win

M-S. *mf dim.* *p* *mf*  
 Charles Charles Charles

A. *mf dim.* *p* *mf*  
 Charles Char' Charles

T. *f* *f* *p* *f*  
 Charles Charles Charles .les Charles Charles Charles

Bar. *p* *mf* *mf* *f* *mf*  
 Dar - win Dar - win Dar Dar - win Dar - win Dar - win Dar - win Dar - win

B. *mf* *f* *f* *mf* *f*  
 Dar - win Dar - win Dar - v n Dar-win Dar - win Dar - win Dar-win Dar - win

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY





113

Vib.

Mar.1

Mar.2

S. an - ces - tor All life on Earth shares a

M-S. an - ces - tor All life on Earth share

A. All life on Earth

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Wooden Box L  
(100x100x100)  
Centre

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.



117

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

shares a com - mon an - ces - tor All life on a com - mon an - ces - tor  
 shares a com - mon an - ces - tor All life shares a com - mon an - ces - tor  
 shares a com - mon an - ces - tor All shares a com - mon an - ces - tor

SCIENCE - BIOLOGY

121

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

All life on Earth shares a com - mon life on Earth shares a

All life on Earth shares a com - m

All life on Earth shares a co'

*f poco a poco cresc.*

All life on Earth shares a

- ces - tor All life on Earth shares a

*f poco a poco cresc.*

All life on Earth shares a

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY



125

Vib. *cresc.*

Mar.1 *crescendo*

Mar.2 *crescendo*

S.  
com - mon an - ces - tor All life on Earth\_ - mon an - ces - tor shares a

M-S.  
com - mon an - ces - tor All life on Earth\_ com - mon an - ces - tor shares a

A.  
com - mon an - ces - tor All life on a com - mon an - ces - tor shares a

T.  
com - mon an - ces - tor All life shares a com - mon an - ces - tor shares a

Bar.  
com - mon an - ces - tor All shares a com - mon an - ces - tor shares a

B.  
shares a com - mon an - ces - tor shares a

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

*f*

**SCIENCE - BIOLOGY**



Vib. <sup>133</sup> *p cresc.*

Musical notation for Vibraphone (Vib.) starting at measure 133. The staff shows a melodic line with various accidentals and dynamics. A triplet of notes is marked at the end of the line with the instruction *p cresc.*

Mar.1

Mar.2 *ff dim.*

Musical notation for Maracas (Mar.1 and Mar.2). Mar.1 has a rhythmic accompaniment. Mar.2 has a melodic line with a dynamic marking of *ff dim.* at the end of the section.

S.

Musical notation for Soprano (S.), showing a rest for the duration of the piece.

M-S.

Musical notation for Mezzo-Soprano (M-S.), showing a rest for the duration of the piece.

A.

Musical notation for Alto (A.), showing a rest for the duration of the piece.

T.

Musical notation for Tenor (T.), showing a rest for the duration of the piece.

Bar.

Musical notation for Baritone (Bar.), showing a rest for the duration of the piece.

B.

Musical notation for Bass (B.), showing a rest for the duration of the piece.

Riverst./ W.Box.Sml

Musical notation for Riverstone/Woodblock Small (Riverst./ W.Box.Sml), showing a rest for the duration of the piece.

Riverst./ W.Box.Med.

Musical notation for Riverstone/Woodblock Medium (Riverst./ W.Box.Med.), showing a rest for the duration of the piece.

Riverst./ W.Box.Lrg.

Musical notation for Riverstone/Woodblock Large (Riverst./ W.Box.Lrg.), showing a rest for the duration of the piece.

Riverst./ High W.Blck.

Musical notation for Riverstone/High Woodblock (Riverst./ High W.Blck.), showing a rest for the duration of the piece.

Bngs./ W.Blcks.

Musical notation for Bells/Woodblocks (Bngs./ W.Blcks.), showing a rest for the duration of the piece.

Cng./ L.Dr.

Musical notation for Conga/Low Drum (Cng./ L.Dr.), showing a rest for the duration of the piece.

Sml.Gng Clvs.

Musical notation for Small Gong/Cymbals (Sml.Gng Clvs.), showing a rhythmic pattern with dynamic markings.

*dim.*

SCIENCE - BIOLOGY

Vib. <sup>139</sup> *mf*

Mar.1 *pp cresc.* *mf dim.* *mf dim.* *pp cresc.*

Mar.2 *mp*

S.  
M-S.  
A.  
T.  
Bar.  
B.

Riverst./ W.Box.Sml *pp cresc.* *pp* *pp cresc.*

Riverst./ W.Box.Med. *mf dim.* *pp* *pp cresc.*

Riverst./ W.Box.Lrg. *pp cresc.* *mf dim.*

Riverst./ High W.Blck. *pp cresc.* *mf dim.* *pp*

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs. *mf*

SCIENCE - BIOLOGY

rit.

143

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

147  
Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

Riverst./  
W.Box.Sml

Riverst./  
W.Box.Med.

Riverst./  
W.Box.Lrg.

Riverst./  
High W.Blck.

Bngs./  
W.Blcks.

Cng./  
L.Dr.

Sml.Gng  
Clvs.

SCIENCE - BIOLOGY

SCIENTIST

3  $\text{♩} = 108$

152

The musical score is arranged in a vertical stack of staves. At the top, the Vibraphone (Vib.) staff is mostly empty. Below it are the Maracas (Mar.1 and Mar.2) staves, which play a rhythmic accompaniment of eighth notes. The vocal section includes Soprano (S.), Mezzo-Soprano (M-S.), Alto (A.), Tenor (T.), Baritone (Bar.), and Bass (B.) staves. The Tenor, Baritone, and Bass parts have lyrics: "Dar - win" and "Charle - s". The instrumental section includes three staves for Riverstone/Wood Box (Sml, Med, Lrg.), a staff for Riverstone/High Wood Block, a staff for Bongos/Wood Blocks, a staff for Congas/Low Drum, and a staff for Snare Drum/Claves. The score includes various musical notations such as rests, notes, and dynamic markings like *mf*, *dim.*, *p*, and *pp*.

SCIENCE - BIOLOGY

Vib.

Mar.1

Mar.2

S.  
"There is gran-deur in thisview of life,  
-ve-ral po - wers

M-S.  
"There is gran-deur in thisview of lif  
se-ve-ral po - wers ha-ving been o-

A.  
"There is gran-deur in thisview  
its se-ve-ral po - wers ha-ving been o-

T.  
Dar - win Dar - win  
Dar - win Dar - win Dar - win

Bar.  
Dar - win Dar - win  
Dar - win Dar - win Dar - win

B.  
Charle - s Charle - s  
Charle - s Charle - s Charle - s

Riverst./  
W.Box.Sml

Riverst./  
W.Box.Med.

Riverst./  
W.Box.Lrg.

Riverst./  
High W.Blck.

Bngs./  
W.Blcks.

Cng./  
L.Dr.

Sml.Gng  
Clvs.

SCIENCE - BIOLOGY



165

Vib.

Mar.1

Mar.2

S.  
in-to a few forms or in - to one

M-S.  
ri-gio-nal-ly brea-thed or in - to

A.  
ri-gio-nal-ly brea-thed or in

T.  
Dar - win Dar - win Dar - win Dar - win Dar - win

Bar.  
Dar - win Dar - win Dar - win Dar - win

B.  
Charle - s Charle - s Charle - s Charle - s

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

171 **4**

Vib.

Mar.1

Mar.2

S. *f*  
and tha\_ t whilst this pla-net has gone c

M-S. *f*  
and tha\_ t whilst this pla-net has gr ng to\_ the fixed law of gra - vi-ty\_

A. *f*  
and tha\_ t whilst this pla-net has -cor-ding to\_ the fixed law of gra - vi-ty\_

T. *mp*  
Dar - win Dar - win Dar - win Dar - win

Bar. *mp*  
Dar - win Dar - win Dar - win

B. *mp*  
Charle - s Charle - s Charle - s Charle - s

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

177

Vib.

Mar.1

Mar.2

S.

from so\_ sim-ple a be gin - ning

beau-ti - ful\_ end-less forms most

M-S.

a be gin - ning

is so beau-ti - ful\_ end-less forms most

A.

a be gin - ning

ess forms so beau-ti - ful\_ end-less forms most

T.

Dar - win Dar - win

Dar - win Dar - win Dar - win

Bar.

Dar - win Dar - v

Dar - win Dar - win Dar - win

B.

Charle - s Charle -

- ha Charle - s Cha - ha - ha-ha Charle - s

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

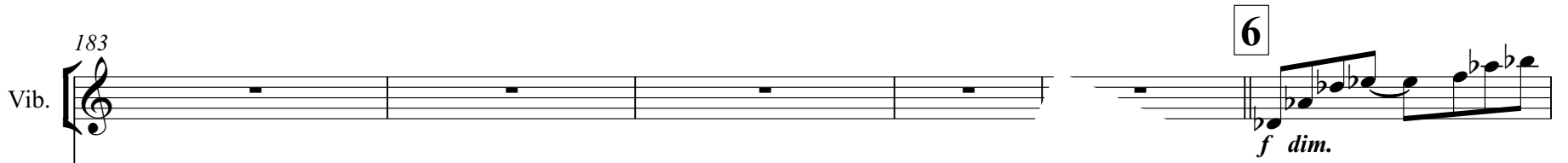
Bngs./ W.Blcks.


Cng./ L.Dr.

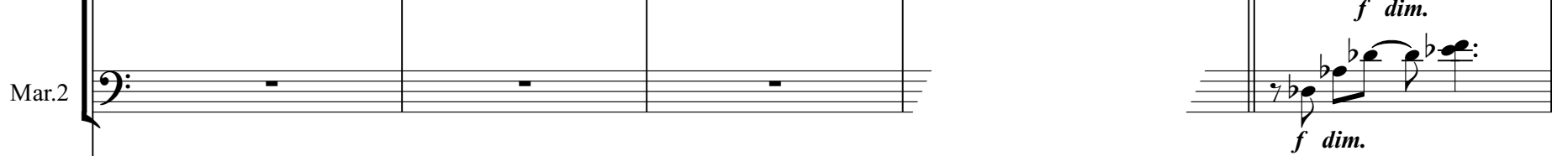
Sml.Gng Clvs.



183

Vib. 

Mar.1 

Mar.2 

S. 

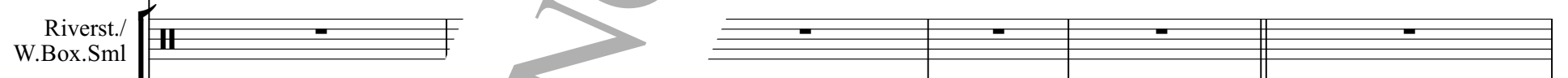
M-S. 


A. 

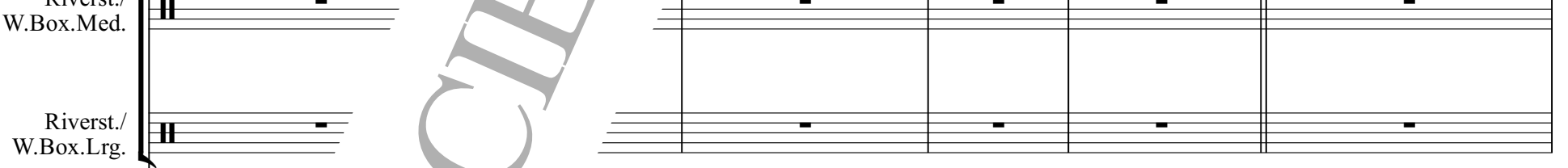
T. 


Bar. 


B. 


Riverst./ W.Box.Sml 

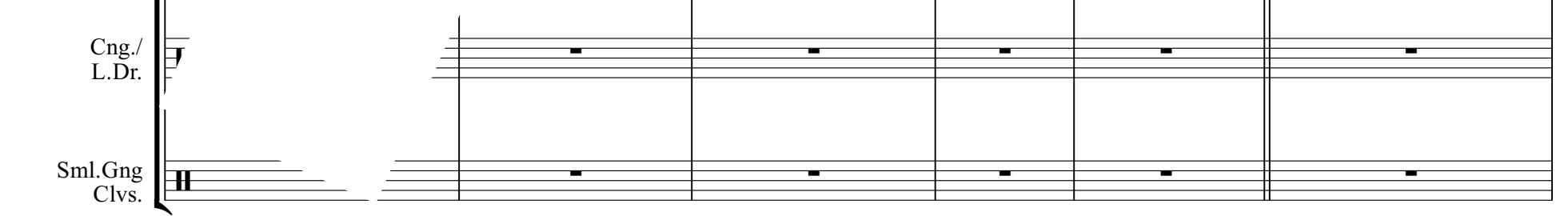
Riverst./ W.Box.Med. 

Riverst./ W.Box.Lrg. 

Riverst./ High W.Blck. 

Bngs./ W.Blcks. 

Cng./ L.Dr. 

Sml.Gng Clvs. 

SCIENCE - BIOLOGY



194

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

*mp* Dar-win Dar-win Dar-win Dar-win

*mp* Charle s Charle s arle s Charle s

*mp* Charle - s Charle - s s Charle - s

*mf* It has of - ten and con - fi - den - ted that

*mf* It has of - ten and con - s - ser - ted that

*mf* It has of - ten and e en as - ser - ted that

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

198

Vib.

Mar.1

Mar.2

S. Dar-win Dar-win Dar-win Dar-win Dar-win Dar-win

M-S. Charle s Charle s Charle s Charle s

A. Charle - s Charle - s Charle - s Charle - s

T. man' s o - ri-gin can ne-ver be know but ig - no - rance\_ more

Bar. man' s o - ri-gin can ne-ver be ig - no-rance

B. man' s o - ri-gin can ne-ve ig - no-rance

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

203

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

Dar-win Dar-win

Charle s

Charle s

Charle s

Charle s

fre - quent - ly be-gets con - fi -

fre-quent-ly

fre-quent-ly

ow - ledge. it is those who know li - ttle, and

know-ledge

know-ledge

li - ttle

li - ttle

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY



207

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

212

Vib. *mf*

Mar.1 *mf*

Mar.2 *mf*

S. *f*

M.S.

A.

T.

Bar.

B.

Dar-win Dar-win end - ful\_ end-less forms most

Charle s Charle s beau-ti - ful\_ end-less forms most

Charle - s Charle - s so beau-ti - ful\_ end-less forms most

ne-ver be solved by sci - en - win Dar - win Dar - win

sci - Dar - win Dar - win Dar - win

sr Charle - s Cha - ha - ha-ha Charle - s

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

Vib. <sup>217</sup> *cresc.* *ff*

Mar.1 *cresc.* *ff*

Mar.2 *cresc.* *ff*

S. *3* won-der-ful have been, and are be-ir

M-S. *3* won-der-ful have been, and are - ved and are be-ing, e - vol -

A. *3* won-der-ful have been, a - - ved and are be-ing, e - vol -

T. *8* Dar - win Dar - win - vol - - ved and are be-ing, e - vol -

Bar. *8* Dar - win Dar - les e - vol - - ved and are be-ing, e - vol -

B. Cha - ha - ha-ha Charle a - les e - vol - - ved and are be-ing, e - vol -

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

223 **9**

Vib. *poco f*

Mar.1 *poco f*

Mar.2 *poco f*

S. *ff*

ved end-less forms so beau-ti-ful\_ end-ful have been,

M-S. *ff*

ved end-less forms so beau-ti-ful\_ von-der-ful have been,

A. *ff*

ved end-less forms so beau-ti-ful\_ mostwon-der-ful have been,

T. *f*

ved Dar - win Dar - win Dar - win

Bar. *f*

ved Dar - win Dar - win Dar - win

B. *f*

Charle - s Cl Charle - s Cha - ha - ha-ha Charle - s

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

Vib. *f dim.*

Mar.1 *f dim.*

Mar.2 *f dim.*

S. and are be-ing, e - vol - ved

M-S. and are be-ing, e - vol - ved

A. and are be-ing, e - vol - ved

T. Cha - ha - les e - vol - ved

Bar. Cha - ha - les e - vol - v

B. Cha - ha - les e - vol -

Riverst./ W.Box.Sml *f dim.*

Riverst./ W.Box.Med. *f dim.*

Riverst./ W.Box.Lrg. *f dim.*

Wooden Box

Wooden Box

Wooden Box ad lib. only Large Box

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.



234 *simile*

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T. *mp*  
Dar - win Dar - win Dar - win

Bar. *mp*  
Dar - win Dar - win Dar - win

B. *mp*  
Chà arle - s Charle - s Charle - s

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

239

Vib.

Mar.1

Mar.2

S. *mf*  
man in his ar - ro - gance thinks him-self a great

M-S. *p*  
Dar-win Dar-win Dar - win Dar-

A. *p*  
Dar-win Dar-win Dar - win Dar-win Dar-win

T. *p*  
Dar - win Dar - win Dar - win

Bar. *p*  
Dar - win Dar - win Dar - win

B. *p*  
Charle - s Charle - s Charle - s

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

243

Vib.

Mar.1

Mar.2

*cresc.*

*cresc.*

S.

M.S.

A.

T.

Bar.

B.

wor- thy\_ the in- ter- po- si- tion of a dei\_

Dar- win Dar- win Dar- win Dar-

Dar- win Dar- win Dar- win

ar- win Dar- win Dar- win Dar- win

Dar - win Dar - win Dar - win

Dar - win Dar - win Dar - win

Charle - s Charle - s Charle - s

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY



247 **11**

Vib. *mp*

Mar.1 *mp*

Mar.2 *mp*

S. *f*

more hum-ble more hum - ble and I

M-S. *f*

more hum-ble more hum - ble and

A. *f*

more hum-ble more hum - ble an'

T. *mf*

Dar - win Dar - win

Bar. *mf*

Dar - win Dar - w

B. *mf*

Charle - s Charle - s

er to con-si der him cre - a - ted

e tru er to con-si der him cre - a - ted

Dar - win Dar - win Dar - win

Charle - s Charle - s Charle - s

Riverst./ W.Box.Sml *mp*

Riverst./ W.Box.Med. *mp*

Riverst./ W.Box.Lrg. *mp*

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

Vib. <sup>253</sup>

Mar.1

Mar.2

S. from a - ni - mals from a - ni mals forms so beau - ti - ful

M-S. from a - ni mals end-less forms so beau - ti - ful

A. from a - ni mals end-less forms so beau - ti - ful

T. Dar - win Dar - win Dar - win

Bar. Dar - win Jar - win Dar - win Dar - win

B. Charle - s Charl - ha - ha - ha Charle - s Cha - ha - ha-ha

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.



258

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

SCIENCE - BIOLOGY

262

Vib.

Mar.1

Mar.2

S.

M-S.

A.

T.

Bar.

B.

Riverst./ W.Box.Sml

Riverst./ W.Box.Med.

Riverst./ W.Box.Lrg.

Riverst./ High W.Blck.

Bngs./ W.Blcks.

Cng./ L.Dr.

Sml.Gng Clvs.

have been, and are be-ing, e - vol - - - ved

have been, and are be-ing, e - vc - - - ved

have been, and are be-ing, e - - - - ved

Dar - win Cha - ha - - - - ved

Dar - win Cha - - - - ved

Charle - s Cha vol - - - - ved

*cresc.* *ff*

*cresc.* *ff*

*cresc.* *ff*

*cresc.* *f*

*cresc.* *f*

*cresc.* *f*

*SCIENCE - BIOLOGY*