

2. EXCHANGE PARTICLE

TOUR

DAVID QUANG PHAM

Andante

QUARK

ATOM

Tambourine

Guitar

Bass

D#m A#7/D D#m B A#7 B G#m/B D#m/A#

5

QUARK

End - ed up in u - ni - vers - ty? E - sta - blish. Meant

ATOM

Tambourine

Guitar

Bass

D[♯]m A[♯]/D D[♯]m B

Detailed description: This is a musical score for a song. It features five staves: Quark (Vocal), Atom (Instrument), Tambourine (Instrument), Guitar (Instrument), and Bass (Instrument). The Quark staff has a melody with lyrics: 'End - ed up in u - ni - vers - ty? E - sta - blish. Meant'. The Atom staff has a whole rest. The Tambourine staff has a steady eighth-note pattern. The Guitar staff has chords: D#m, A#7/D, D#m, B. The Bass staff has a simple line: D, A, D, A, D, A, D, A.

7 A[#]7 B G[#]m/B D[#]m/A[#]

QUARK may I join a tour - ing cir - cuit? E - lec - tric. The

ATOM

Tambourine

Guitar A[#]7 B G[#]m/B D[#]m/A[#]

Bass

9

QUARK

labs, do they be - hold and fore - see? Es - caped i - ons.

ATOM

Vibraphone

Tambourine

Guitar

Bass

E/B

G#m/B

E/B

G#m/B

11

QUARK

What am I, part of? Cour - ses full? _____ Ex - change. It's not who I

ATOM

Vibraphone

Tambourine

Guitar

Bass

D#m/A# F#m/A# A#7 D#m

pp

Detailed description of the musical score: The score is for a song with six instruments. QUARK is the lead vocal, with lyrics: 'What am I, part of? Cour - ses full? _____ Ex - change. It's not who I'. ATOM is silent. Vibraphone has a melodic line in the third measure, marked 'pp'. Tambourine has a rhythmic pattern of eighth notes. Guitar has chords corresponding to the harmony: D#m/A#, F#m/A#, A#7, and D#m. Bass has a simple bass line.

14 B A[#]7 D[#]m/A[#]

QUARK

am. The real me. Not best in sci - ence. I forced my- self.

ATOM

Vibraphone

Tambourine

Guitar

Bass

Detailed description of the musical score: The score is for measures 14 through 17. The vocal line (QUARK) is in treble clef with a key signature of two sharps (F# and C#). The lyrics are: 'am. The real me. Not best in sci - ence. I forced my- self.' The ATOM part is a piano line in treble clef, mostly consisting of rests. The Vibraphone part is in treble clef with a key signature of two sharps. The Tambourine part is in treble clef with a key signature of two sharps, featuring a rhythmic pattern of eighth notes and rests. The Guitar part is in treble clef with a key signature of two sharps, featuring a rhythmic pattern of eighth notes and rests. The Bass part is in bass clef with a key signature of two sharps, featuring a rhythmic pattern of eighth notes and rests. The guitar part includes chord diagrams for B, A#7, and D#m/A#.

18

QUARK

Give my all to phy-sics._____ My part - ing goals.

ATOM

Quark E.

Vibraphone

Tambourine

Guitar

Bass

G#m/B D#m/F# D#m B

G#m/B D#m/F# D#m B

23 A[#]7 D[#]m A[#]7/D D[#]m B

QUARK

Did I get in...? The lec-ture taught un-der Bo-son!

ATOM

Vibraphone A[#]7 D[#]m A[#]7/D D[#]m B

Tambourine

Guitar A[#]7 D[#]m A[#]7/D D[#]m B

Bass

27 A[#] B G[#]m/B D[#]m/A[#]

QUARK Pu - pil un - der child pro - di - gy! He who makes light

ATOM

Vibraphone A[#] B G[#]m/B D[#]m/A[#]

Tambourine

Guitar A[#] B G[#]m/B D[#]m/A[#]

Bass

29

QUARK

of all ex - per - ments. En - light - ened. Not so long 'go

ATOM

Vibraphone

E/B

G#m/B

Tambourine

Guitar

E/B

G#m/B

Bass

Detailed description: The musical score is for a 6-piece band. QUARK (Vocalist) has the lead melody with lyrics: "of all ex - per - ments. En - light - ened. Not so long 'go". The melody is in D major, starting on D4 and moving stepwise. ATOM (Piano) and Vibraphone play sustained chords, primarily E/B and G#m/B. Tambourine plays a rhythmic pattern of eighth notes and rests. Guitar and Bass provide harmonic support with chords and bass lines. Chord changes are marked as E/B and G#m/B.

31 11

QUARK D#m/A# F#m/A# A#7 D#m E#m/B D#m/A# G#m/B B A#

that a - toms were blow - ing my mind...

ATOM

Vibraphone D#m/A# F#m/A# A#7 D#m E#m/B D#m/A# G#m/B B A#

Tambourine

Guitar D#m/A# F#m/A# A#7 D#m E#m/B D#m/A# G#m/B B A#

Bass

36

QUARK

Part of you yanked me with

Vibraphone

Tambourine

Guitar

Bass

A[#]7 D[#]m E[#]°/B D[#]m/A[#] G[#]m/B B A[#] A[#]7 D[#]m/A[#] F[#]/A[#] C[#]/B F[#]/A[#]

43 A[#]7 B A[#]7 D[#]m/A[#] D[#]m A[#]7/D G[#]m/B

QUARK

this ex. Chang - ing, de - gree's so cold. This field's heat

Vibraphone

A[#]7 B A[#]7 D[#]m/A[#] D[#]m A[#]7/D G[#]m/B

Tambourine

Guitar

A[#]7 B A[#]7 D[#]m/A[#] D[#]m A[#]7/D G[#]m/B

Bass

49 D#m/A# A#7 D#m/A# D#m

QUARK ed. Cut - throat. A-ca. Damn me. Up. Bot - tom. Top. Down. Strange.

Vibraphone D#m/A# A#7 D#m/A# D#m

Tambourine

Guitar D#m/A# A#7 D#m/A# D#m

Bass

Detailed description of the musical score: The score is for measures 49-54. The QUARK part is in treble clef with lyrics. The Vibraphone part is in treble clef with chords. The Tambourine part is in treble clef with a steady eighth-note pattern. The Guitar part is in treble clef with chords. The Bass part is in bass clef with a steady eighth-note pattern. The key signature has two sharps (F# and C#). The time signature is 4/4.

55 15

QUARK A[#]7/D G[#]m/B D[#]m/A[#] A[#]7 D[#]m/A[#] D[#]m

Charm. Stand - ard, mo - delled stu - dent. A - ca - de - mi - a.

Vibraphone A[#]7/D G[#]m/B D[#]m/A[#] A[#]7 D[#]m/A[#] D[#]m

Tambourine

Guitar A[#]7/D G[#]m/B D[#]m/A[#] A[#]7 D[#]m/A[#] D[#]m

Bass

16

62

QUARK

Vibraphone

Tambourine

Guitar

Bass

Adagio

A#7/D G#m/B D#m/A# A#7 D#m E#°/B

A#7/D G#m/B D#m/A# A#7 D#m E#°/B

70

QUARK

D#m E#°/B A#/D

Vibraphone

D#m E#°/B A#/D

f

Tambourine

Guitar

D#m E#°/B A#/D

Bass

77 D[#]m A[#]7/D D[#]m

QUARK

Stat-ics con-serve just well - con - nect - - ed theo-re-ti-cal phy-si-cists.

Vibraphone

D[#]m A[#]7/D D[#]m

Tambourine

Guitar

D[#]m A[#]7/D D[#]m

Bass

80 E[♯]/B

QUARK

Vibraphone E[♯]/B

Tambourine

Guitar E[♯]/B

Bass

Detailed description: The musical score consists of five staves. The QUARK staff has whole rests in measures 80, 81, and 82. The Vibraphone staff plays eighth-note runs in measures 80 and 81, and a descending eighth-note run in measure 82. The Tambourine staff plays single eighth notes in measures 80 and 81, and eighth notes in measure 82. The Guitar staff plays chords in measures 80 and 81, and eighth-note chords in measure 82. The Bass staff plays eighth notes in measures 80 and 81, and eighth notes in measure 82. A key signature change to E major is indicated at measure 81. A guitar fretboard diagram shows the E7(b9) chord shape at the 12th fret.

83

QUARK

But dy - na - mics, torque angl -

D[#]m

Vibraphone

D[#]m

Tambourine

Guitar

D[#]m

Bass

85 E#°/B

QUARK

ing un - con - nect - ed me to best all phy - si - cists! Gain, lose,

E#°/B

Vibraphone

Tambourine

E#°/B

Guitar

Bass

87

QUARK

e - lect on be - ing ex - per - i - men - tal! _____

Vibraphone

Tambourine

Guitar

Bass

A#/D

D#m

A#7/D

A#/D

D#m

A#7/D

A#/D

D#m

A#7/D

91 *Accelerando* *Andante* 23

QUARK *D#m* *D#m/F#* *A#7* *D#m* *A#7/D*
May not get to know, but it'll

Vibraphone *D#m* *D#m/F#* *A#7* *D#m* *A#7/D*

Tambourine

Guitar *D#m* *D#m/F#* *A#7* *D#m* *A#7/D*

Bass

Detailed description: The musical score is written for five instruments: QUARK (vocal), Vibraphone, Tambourine, Guitar, and Bass. The key signature is D major (two sharps: F# and C#). The time signature is 4/4. The score begins at measure 91, marked 'Accelerando'. The tempo changes to 'Andante' at measure 93. The score ends at measure 23. The QUARK part has lyrics: 'May not get to know, but it'll'. The chord progression is D#m, D#m/F#, A#7, D#m, A#7/D. The Guitar part includes chord diagrams for each of these chords. The Bass part provides a simple harmonic foundation with eighth and quarter notes.

94 D[♯]m B A[♯]7 B G[♯]m/B D[♯]m/A[♯]

QUARK

flow, ex-plan-at - ions. Can't wait for Bo-son. What's in core? How's his work - load?

Vibraphone

Tambourine

Guitar

Bass

97

QUARK

I - deas come so far. Mat - ters, they will come to me.

E/B

G#m/B

Vibraphone

E/B

G#m/B

Tambourine

E/B

G#m/B

Guitar

Bass

99

QUARK

Part - i - cle board, thanks for this ex - - - - change.

Vibraphone

Tambourine

Guitar

Bass

D#m/A# F#/A# A#7 D#m/F#

D#m/A# F#/A# A#7 D#m/F#

D#m/A# F#/A# A#7 D#m/F#