

ammann

from a history of the domino the problem

michael winter

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2 **4** **3** **8** **5** **8** **3** **4** **2** **4**

≈ 60

This section of the score consists of eight staves of music for a single instrument. The time signature changes frequently between 2/4, 3/8, 5/8, and 3/4. Measure numbers 1 through 8 are indicated above the staves. Dynamic markings include p (pianissimo) and mf (mezzo-forte). Articulation marks consisting of small arrows pointing up or down are placed above and below the stems of many notes. Measures 1-4 are in 2/4, measures 5-8 are in 3/8, and measures 9-12 are in 5/8.

10 **3** **8** **5** **8** **3** **4** **2** **4** **3** **8** **5** **8** **4** **4**

This section of the score begins at measure 10 and continues. It features a mix of 3/8, 5/8, and 4/4 time signatures. Measure 10 starts with a 3/8 section, followed by a 5/8 section, then a 3/4 section, a 2/4 section, another 3/8 section, another 5/8 section, and finally a 4/4 section. Measures 11-12 are in 3/8, measures 13-14 are in 5/8, and measures 15-16 are in 4/4. The instrumentation remains a single line throughout.

(ammann)

Sheet music for a band instrument, page 19, measures 8-1. The score consists of eight staves. Measure 8 starts with a dynamic *p*. Measures 9-10 begin with a dynamic *mf*. Measures 11-12 start with a dynamic *p*. Measures 13-14 begin with a dynamic *mf*. Measures 15-16 start with a dynamic *p*. Measures 17-18 begin with a dynamic *mf*. Measures 19-20 start with a dynamic *p*. Measures 21-22 begin with a dynamic *mf*. Measures 23-24 start with a dynamic *p*. Measures 25-26 begin with a dynamic *mf*. Measures 27-28 start with a dynamic *p*. Measures 29-30 begin with a dynamic *mf*. Measures 31-32 start with a dynamic *p*. Measures 33-34 begin with a dynamic *mf*. Measures 35-36 start with a dynamic *p*. Measures 37-38 begin with a dynamic *mf*. Measures 39-40 start with a dynamic *p*. Measures 41-42 begin with a dynamic *mf*. Measures 43-44 start with a dynamic *p*. Measures 45-46 begin with a dynamic *mf*. Measures 47-48 start with a dynamic *p*. Measures 49-50 begin with a dynamic *mf*. Measures 51-52 start with a dynamic *p*. Measures 53-54 begin with a dynamic *mf*. Measures 55-56 start with a dynamic *p*. Measures 57-58 begin with a dynamic *mf*. Measures 59-60 start with a dynamic *p*. Measures 61-62 begin with a dynamic *mf*. Measures 63-64 start with a dynamic *p*. Measures 65-66 begin with a dynamic *mf*. Measures 67-68 start with a dynamic *p*. Measures 69-70 begin with a dynamic *mf*. Measures 71-72 start with a dynamic *p*. Measures 73-74 begin with a dynamic *mf*. Measures 75-76 start with a dynamic *p*. Measures 77-78 begin with a dynamic *mf*.

$$\textcircled{29} \quad \frac{7}{8} \quad \frac{1}{4} \quad \frac{3}{4} \quad \frac{2}{4} \quad \frac{3}{4} \quad \frac{5}{8} \quad \frac{3}{8}$$

The image shows a page of sheet music for ten staves. The staves are numbered 1 through 10 from bottom to top. Each staff contains a single melodic line with various note heads and stems. Above each staff, there are horizontal arrows indicating specific performance techniques: either a downward-pointing arrow or an upward-pointing arrow. These arrows are positioned above groups of notes, often corresponding to grace notes or specific rhythmic patterns. The music is set in common time. Dynamic markings include 'mf' (mezzo-forte) and 'p' (pianissimo). Measure numbers are present at the beginning of the first and second measures. The page number '2' is located at the bottom center.

(ammann)

Sheet music for a solo instrument, page 10, measures 38-49. The score consists of eight staves. Measure 38 starts with 2/4 time, dynamic *mf*, and includes performance markings: up and down strokes over notes, and 3 and 5 over groups of notes. Measures 39-40 switch to 3/8 time. Measures 41-42 switch to 2/4 time. Measures 43-44 switch to 1/4 time. Measures 45-46 switch to 3/4 time. Measures 47-48 switch back to 2/4 time. Measure 49 concludes with 5/8 time. Dynamics *p* and *mf* are used throughout, along with various performance markings.

47

7 8 2 4 4 3 3 8 2

8
7
6
5
4
3
2
1

mf p mf p mf p p p p

mf p mf p p p p p

mf p p p p p p p

mf p p p p p p p

mf p p p p p p p

p p p p p p p p

(ammann)

54

$\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{3}{8}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{9}{8}$ $\frac{1}{4}$ $\frac{3}{8}$

8
7
6
5
4
3
2
1

62

$\frac{3}{8}$ $\frac{2}{4}$ $\frac{5}{8}$ $\frac{3}{8}$ $\frac{2}{4}$ $\frac{1}{4}$ $\frac{2}{4}$ $\frac{13}{8}$ $\frac{3}{8}$

8
7
6
5
4
3
2
1

(3)

(ammann)

70

$\frac{3}{8}$ $\frac{5}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{3}{8}$

8

7

6

5

4

3

2

1

80

$\frac{3}{8}$ $\frac{5}{8}$ $\frac{3}{8}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{7}{8}$

8

7

6

5

4

3

2

1

(ammann)

1
1

Sheet music for two flutes, numbered 1 through 97. The music is divided into measures by vertical bar lines. Each measure contains two staves, one for each flute. Measures 1-4 are in 4/4 time, measures 5-8 in 2/4, measures 9-12 in 4/4, measures 13-16 in 2/4, measures 17-20 in 4/4, measures 21-24 in 2/4, measures 25-28 in 4/4, measures 29-32 in 2/4, measures 33-36 in 4/4, measures 37-40 in 2/4, measures 41-44 in 4/4, measures 45-48 in 2/4, measures 49-52 in 4/4, measures 53-56 in 2/4, measures 57-60 in 4/4, measures 61-64 in 2/4, measures 65-68 in 4/4, measures 69-72 in 2/4, measures 73-76 in 4/4, measures 77-80 in 2/4, measures 81-84 in 4/4, measures 85-88 in 2/4, measures 89-92 in 4/4, and measures 93-96 in 2/4. Measure 97 ends with a final 4/4 time signature. Measure numbers are placed above the top staff of each measure. Measure 97 includes dynamic markings: p , mf , and $\#$. Measure 1 includes a key signature of $A = C$.

(ammann)

(107) 

(116) 

(ammann)

Sheet music for two flutes, numbered 1 through 8. The music is divided into measures by vertical bar lines. Measure 1 starts with a 4/4 time signature, followed by a 2/4 time signature, then an 8/4 time signature, and finally a 2/4 time signature. Measures 1-4 are in 4/4, measures 5-8 are in 2/4, and measures 9-12 are in 4/4. Measures 1, 3, 5, 7, and 9 begin with a dynamic of p . Measures 2, 4, 6, 8, and 10 begin with a dynamic of mf . Measures 1, 3, 5, 7, and 9 end with a dynamic of p . Measures 2, 4, 6, 8, and 10 end with a dynamic of mf . Measures 1, 3, 5, 7, and 9 start with a tempo of 126 BPM. Measures 2, 4, 6, 8, and 10 start with a tempo of 38 BPM. Measures 1, 3, 5, 7, and 9 end with a tempo of 126 BPM. Measures 2, 4, 6, 8, and 10 end with a tempo of 38 BPM. Measures 1, 3, 5, 7, and 9 start with a tempo of 126 BPM. Measures 2, 4, 6, 8, and 10 start with a tempo of 38 BPM. Measures 1, 3, 5, 7, and 9 end with a tempo of 126 BPM. Measures 2, 4, 6, 8, and 10 end with a tempo of 38 BPM.

3

134

8 7 6 5 4 3 2 1

3 8 2 4 1 4 5 8 3 4 2 4 3 4 5 8 3

8

7

6

5

4

3

2

1

(ammann)

(143) 

8


7


6


5


4


3

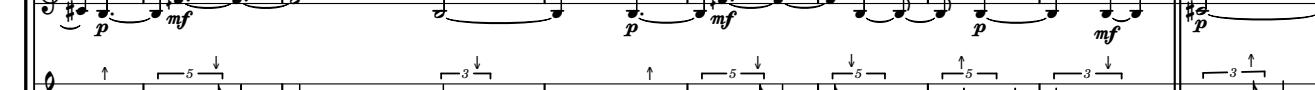

2


1


(153) 

8


7


6


5


4


3


2


1


[6]

(162) **3** **8** **3** **4** **1** **5** **3** **4**

8 9 10 11 12 13 14 15

(171) **3** **4** **8** **2** **3** **8** **2** **3** **8**

1 2 3 4 5 6 7 8 9 10

(ammann)

179

3 8 4 7 8 1 4 3 4 2 4 3 2 3 8

8

7

6

5

4

3

2

1

188

8 5 8 3 4 5 8 2 4 3 4

8 7 6 5 4 3 2 1

mf p mf p mf p mf p

7 6 5 4 3 2 1

p mf p mf p

6 5 4 3 2 1

mf p mf p

5 4 3 2 1

p mf p

4 3 2 1

mf p mf p

3 2 1

mf p

2 1

mf p

1

(ammann)

(197)

(206)

Sheet music for a solo instrument, page 213, measures 8-1. The score consists of eight staves of music. Measure 8 starts with a 2/4 time signature, followed by a 3/8 measure with a downward arrow over the first note. Measure 9 begins with a 1/4 time signature, followed by a 2/4 measure with a downward arrow over the first note. Measure 10 starts with a 3/8 measure with a downward arrow over the first note. Measures 11 through 14 follow a repeating pattern of 1/4 time with a downward arrow over the first note, 3/8 time with a downward arrow over the first note, and 1/4 time with a downward arrow over the first note. Measure 15 concludes with a 3/8 measure with a downward arrow over the first note.

(233)           

8
7
6
5
4
3
2
1

(241)        

8
7
6
5
4
3
2
1

(ammann)

(250)  3 4 3 8 4 5 2 4 5 3 4 2



(259)  2 4 3 8 1 4 2 4 3 8 5 2 4 3 8 5



(ammann)

(269)

8
7
6
5
4
3
2
1

(278)

8
7
6
5
4
3
2
1

(ammann)

(287) 9 8 3 4 1 3 8 5 3 4 5

10

(295) 5 8 3 8 3 4 5 8 2 4 5 8 2 4 5 8 1 4 2 4

(ammann)

(304) 2 5 4 3 4 3 5

(313) 5 8 2 5 3 8 5 8 7 8 2 4

(ammann)

321

2
4 3
4 2
4 1
4 3
8 5
8 7
8 5
8

8

7

6

5

4

3

2

1

11

3

Sheet music for a band piece, page 329, measures 8-1. The score consists of eight staves, each with a different instrument's part. The key signature varies by staff, indicated by the first measure of each staff. Measure 8 starts with 3/8, followed by 2/4, 4/4, 3/8, 1/4, 7/8, 2/4, and 3/8. The dynamics are mostly *mf* or *p*. Measure 9 starts with 7/8. Measure 10 starts with 2/4.

(ammann)

(338) 3 8 4 4 1 8 1 4 3 2 3 4 5

8
7
6
5
4
3
2
1

(348) 5 8 9 8 3 3/4 1 4 3 8 5 1 2

8
7
6
5
4
3
2
1

[12]

(357)

5 9 7 4 2 5 2 3 2

8
7
6
5
4
3
2
1

mf *p* *mf* *p* *mf* *p* *mf* *p* *mf*

(366) 2 5 3 3 5 1 13 1 4 4

8
7
6
5
4
3
2
1

mf *p* *mf* *p* *mf* *p* *mf* *p* *mf*

(ammann)

(376) 

(386) 

(ammann)

(395)

8
7
6
5
4
3
2
1

mf *p* *mf* *p* *mf* *p* *mf* *p* *mf*

(406)

8
7
6
5
4
3
2
1

mf *p* *mf* *p* *mf* *p* *mf* *p* *mf*

(ammann)

(416) 

(425) 

(436) $\frac{3}{8}$ $\frac{5}{8}$ $\frac{10}{4}$ $\frac{3}{8}$ $\frac{5}{8}$ $\frac{7}{8}$ $\frac{2}{4}$

(443) $\frac{2}{4}$ $\frac{4}{4}$ $\frac{5}{8}$ $\frac{2}{4}$ $\frac{5}{8}$ $\frac{3}{8}$ $\frac{2}{4}$

15

(452) 

8
7
6
5
4
3
2
1

p *mf* *p* *mf*

(459) 

8
7
6
5
4
3
2
1

mf *p* *mf*

(ammann)

(469) 5 8 2 8 5 8 2 5 8 2 5 8 3 8

8
7
6
5
4
3
2
1

(478) 3 8 5 8 1 4 3 8 2 4 1 4 5 8 3 8 2 4 3 8

8
7
6
5
4
3
2
1

16

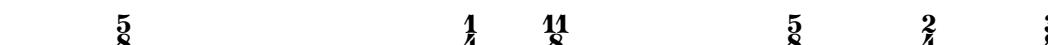
(ammann)

(488) 

mf

8
7
6
5
4
3
2
1



(497) 

p
mf

8
7
6
5
4
3
2
1



(505) 

(514) 

(ammann)

(524) 

7 8 2 3 4 2 3 4 2

8
7
6
5
4
3
2
1

mf p mf p mf p mf p

(534) 

9 4 4 5 2 5 1

8
7
6
5
4
3
2
1

p mf p mf p mf p
mf p mf p mf p
p mf p mf p
p mf p
mf p
p mf p
mf p
mf p

(ammann)

(542) 1 2 5 8 2 4 2 4 3 8 3 8

8
 7
 6
 5
 4
 3
 2
 1

[18]

(553) 3 8 5 8 3 8 1 4 5 8 2 4 3 8 1 4 3 8 9 8

8
 7
 6
 5
 4
 3
 2
 1

(564) 

(574) 

[19]

(ammann)

(584)        



(594)         



(ammann)

(604) 7 8 2 4 3 8 3 8 5 8 1 4 4 5 8

[20] *mf*

(613) 5 8 15 8 1 4 2 4 3 8 2 4 3 4 5 8 1 4

(ammann)

(621) 

(631) 