

Irving SCHLEIN

Text by John Noble WILFORD

Pioneer 10 Pushes Beyond Goals, Into the Unknown

a musical commentary
for Narrator and Orchestra

1983

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Instrumentation

3 Flutes (inc. piccolo)

3 Oboes

3 Bb Clarinets

2 Bassoons

4 F Horns

3 Bb Trumpets

3 Trombones

Tuba

Percussion:

Timpani

Triangle

Cymbals

Gong

Bells

Chimes

Snare drum

Bass drum

2 Harps

Celesta

Strings

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Pioneer 10 Pushes Beyond Goals, Into the Unknown

Text by John Noble WILFORD

Irving SCHLEIN
(1905 - 1986)

Lento

Flute I. II.

Flute III.
Piccolo

Oboe I. II.

Oboe III.

Clarinet in B \flat I. II.

Clarinet in B \flat III.

Timpani

Harp I.

Harp II.

Celesta

Cello

Contrabass

ben ten.

f

ben ten.

f

8va

pp

8va

pp

pp

pp

pp

pp

mf *dim.*

pp *l.v.*

l.v. pp

pp

dim.

pp

dim.

pp

Fl. I. III. 5 (8va) - - -
 Picc. (8va) - - -
 Ob. I. II.
 Cl. I. II.
 Timp. 5

Change to Fl. III.

Hp. I. 5 l.v. 5 8va - - - 15ma - - -
 Hp. II. 5 l.v. 5 8va - - -

Speaker
 Out there, far, far away where Earth is a mere pinpoint of light
 and the Sun is a pale disk of diminishing consequence, a handy
 little spacecraft cruises on and on into the unexplored.

Vln. I. 5 div. 8va - - -
 Vln. I. - 2 8va - - -
 Vln. II. 8va - - -
 Vla. 8va - - -
 Vc. 8va - - -
 Cb. 8va - - -

Allegro

Fl. I. II. 7 *p*

Fl. III. 7 *p*

Ob. I. 7 *p*

Cl. I. II. 7 *p*

Cl. III. 7 *p*

Timp. 7

Hp. I. 7 *p*

Hp. II. 7 *p*

Vln. I. 7 *div.* *p*

Vln. II. 7 *p*

Vla. 7 *p*

Vc. 7 *p*

Cb. 7 *p*

Change to Picc.

8va - - - - - - - - -

p l.v.

8va - - - - - - - - -

p l.v.

8va - - - - - - - - -

p

ritard.

Musical score for orchestra and speaker, page 9. The score consists of two systems of music. The top system starts with Flute II, Piccolo, and Bassoon I, followed by Bassoon II. The bottom system starts with Violin I, Violin II, Viola, Cello, and Double Bass. The score includes dynamic markings such as *p*, *dim.*, and *l.v.*. The vocal part for the Speaker is provided below the musical staff.

No machine of human design has ever gone so far.
Pioneer 10 has traveled to the reaches of Pluto ...
and is advancing toward the edge of the solar system.

Speaker

9

Fl. I.II. -

Picc. -

Hp. I. -

Hp. II. -

Vln. I. -

Vln. II. -

Vla. -

Vc. -

Cb. -

div. à 4

p

div.

p

div.

p

dim.

dim.

dim.

dim.

dim.

A tempo

Musical score for orchestra, measures 11 and 12.

Measure 11:

- Hn. I. II. (Treble clef): Rest
- Hn. III. IV. (Treble clef): Rest
- Tpt. I. II. (Treble clef): Rest
- B♭ Tpt. III. (Treble clef): Rest
- Hp. I. (Treble clef): *pp*, sixteenth-note pattern (6)
- Hp. II. (Treble clef): *pp*, sixteenth-note pattern (5)
- Vc. (Bass clef): *tutti*, *pp*
- Cb. (Bass clef): *pp*

Measure 12:

- Hn. I. II. (Treble clef): *con sord.*, *fp*, eighth-note pattern
- Hn. III. IV. (Treble clef): *con sord.*, *fp*, eighth-note pattern
- Tpt. I. II. (Treble clef): *fp*, eighth-note pattern
- B♭ Tpt. III. (Treble clef): *fp*, eighth-note pattern
- Hp. I. (Treble clef): *pp*, sixteenth-note pattern (6)
- Hp. II. (Treble clef): *pp*, sixteenth-note pattern (5)
- Vc. (Bass clef): Rest
- Cb. (Bass clef): Rest

Fl. I.II. *I3*
 Picc.
 Ob. I. II.
 Ob. III.
 Hn. I. II. *sim.*
 Hn. III. IV. *sim.*
 Tpt. I. II. *sim.*
 B♭ Tpt. III.
 Hp. I. *I3*
 Hp. II. *I3*
 Cel. *I3*
 Vln. I. *tutti*
 Vln. II. *tutti*
 Vla. *mf*
 Vc.
 Cb.

- 6 -

ISSM - 135

Fl. I. II. 15 à 2

Picc. p

Cl. I. II. à 2 p

Hp. I. 15^{ma} pp

Hp. II. 15^{ma} pp

Speaker

From out there, now 2.7 billion miles away, Pioneer's eight-watt radio transmitter sends faint messages back to Earth every day, whispers of discovery. The transit time of these reports, traveling at the speed of light, is 4 hours and 16 minutes. And by the time the signals arrive at tracking antennas, they have all but vanished, their strength reduced to 20 billionths of a watt.

Vc. Cb.

Molto meno mosso rit.

Fl. I. 18

Picc. 18

Hp. I. 18

Hp. II. 18

Cel. 18

Speaker

Vln. I. 18

Vln. II. 18

Vla. 18

Vc. 18

Cb. 18

I.

p^{pp} *3*

p^{pp} *3*

l.v.

p^{pp} *3*

div.

p^{pp}

div.

p^{pp}

div.

p^{pp}

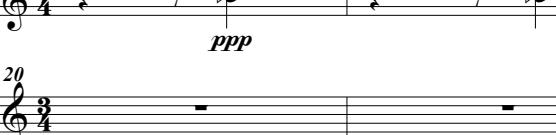
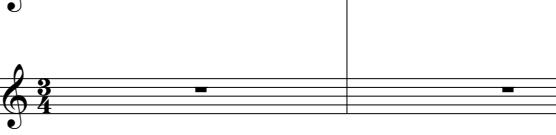
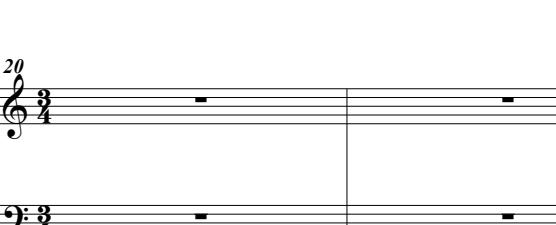
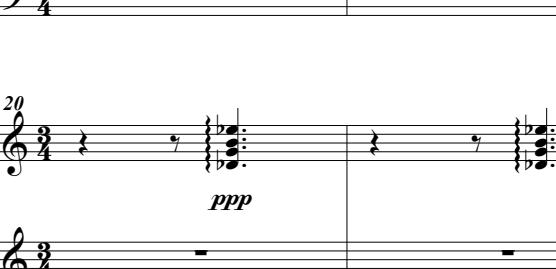
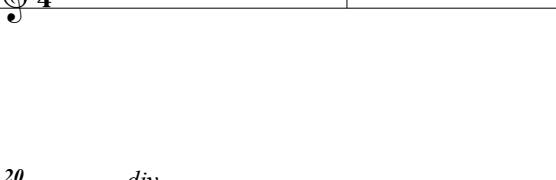
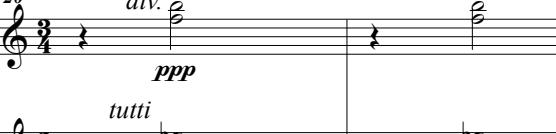
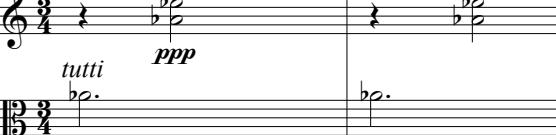
div.

p^{pp}

rit.

But scientists with the patience to extract the signals out of the background noise and to decipher their messages are learning for the first time what it is like in the outermost solar system.

Lento

Fl. I. II. 20 
Ob. I. II. 
Cl. I. II. 
Cl. III. 
Hp. I. 20 
Hp. II. 
Cel. 20 
Speaker It is cold and dark and empty, as they knew it must be.
A tenuous wind of solar particles, the
million-mile-an-hour solar wind, still blows outward.
Cosmic rays race inward. A virtual vacuum, it may be,
but nothingness, it seems, is a relative condition.
Vln. I. 20 
Vln. II. 
Vla. 

Repeat under monologue

Pesante

23

Trgl. S.Dr. Hp. I. Hp. II.

23

If the spacecraft survives long enough and the scientists are clever enough, more exciting discoveries could lie ahead for Pioneer 10. It might be able to detect gravity waves, which have been theorized but have never been observed.

Speaker

23

Vln. I. Vln. II. Vla. Vc. Cb.

div. *unis.*

tutti

div. *tutti*

Picc. 25 - *pp*
 Ob. I. II. *à 2* *mp* 3
 Hn. I. 25 *I. open* 3 *mp*
 Tpt. I. II. *I.* *mp* 3
 Trgl.
 S. Dr.
 Hp. I. 25 *b* 6
 Hp. II. 25 6
 Cel. 25 *pp*
 Vln. I. 25 *pp*
 Vln. II. *div.* *unis.* *div.* *pp*
 Vla. *div.* *pp*
 Vc. *pp*
 Cb. *pp*

Marziale (4 to the measure)

Fl. I. II. 27 - γ \flat : *mp*

Ob. I. II. 27 - γ \flat : *mp*

Cl. I. II. 27 - \sharp \flat : *mp*

Bsn. I. II. 27 - \flat : *mp*

27 Timp. > γ *mp*

Trgl. 27 - - - - - *pp*

Hp. I. 27 - - - - - *p* *pp l.v.*

Hp. II. 27 - - - - - *p* *l.v.*

Speaker

It might locate the source of the mysterious force tugging at Uranus and Neptune, a gravitational force suggesting the presence of some

Vln. I. 27 *tutti* - - - - - *mp*

Vln. II. 27 *tutti* - - - - - *mp*

Vla. 27 *div. à 4* - - - - - *mp*

Vc. 27 *pizz.* - - - - - *mp*

Cb. 27 *pizz.* - - - - - *mp*