

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. *pp* *8<sup>va</sup>*

Flute III. Piccolo *pp* *8<sup>va</sup>*

Oboe I. II. *pp*

Oboe III. *pp*

Clarinet in B $\flat$  I. II. *pp*

Clarinet in B $\flat$  III. *pp*

Timpani *mf* *dim.*

Harp I. *pp* *l.v.*

Harp II. *l.v. pp*

Celesta *pp*

Cello *f* *ben ten.* *dim.* *pp*

Contrabass *f* *ben ten.* *dim.* *pp*

Fl. I. II. *5* (*8<sup>va</sup>*)

Picc. (*8<sup>va</sup>*) **Change to Fl. III.**

Ob. I. II.

Cl. I. II.

Timp. *5*

Hp. I. *5* *l.v.* *5* *5* *5* *8<sup>va</sup>* *15<sup>ma</sup>*

Hp. II. *5* *l.v.* *5* *5* *5* *8<sup>va</sup>*

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.* *pp* *8<sup>va</sup>*

Vln. I.-2 *pp* *8<sup>va</sup>*

Vln. II. *pp*

Vla. *pp*

Vc.

Cb.

Allegro

Fl. I. II. *p*

Fl. III. *p*

Ob. I. *p*

Cl. I. II. *p*

Cl. III. *p*

Timp. *p*

Hp. I. *p* *l.v.*

Hp. II. *p* *l.v.*

Vln. I. *div.* *p*

Vln. II. *p*

Vla. *p*

Vc. *p*

Cb. *p*

Change to Picc.

8va

8va

Detailed description: This page of a musical score is for the woodwind and string sections. It features ten staves. The woodwinds (Flutes I, II, and III; Oboe I; Clarinets I, II, and III) and Timpani play a rhythmic pattern of eighth notes, starting with a measure number of 7. The Harp I and II parts have a complex texture of chords and arpeggios, with a measure number of 7. The strings (Violins I and II, Viola, Violoncello, and Contrabass) play a simple harmonic accompaniment, also starting at measure 7. A dynamic marking of *p* (piano) is present in most parts. A section change is indicated by a double bar line and the instruction "Change to Picc." (Piccolo). The Harp parts have a *l.v.* (left hand) marking and a *8va* (octave) marking. The Viola part has a *div.* (divisi) marking.

**ritard.**

Fl. I.II. *p* *dim.*

Picc. *p* *dim.*

Hp. I. *p* *l.v.*

Hp. II. *p* *l.v.*

Speaker

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.

Vln. I. *div. à 4* *p* *dim.*

Vln. II. *div.* *p* *dim.*

Vla. *p* *dim.*

Vc. *div.* *p* *dim.*

Cb. *p* *dim.*



13

Fl. I. II.

Picc.

Ob. I. II.

Ob. III.

Hn. I. II.

Hn. III. IV.

Tpt. I. II.

B<sup>b</sup> Tpt. III.

Hp. I.

Hp. II.

Cel.

Vln. I.

Vln. II.

Vla.

Vc.

Cb.

*sim.*

*sim.*

*sim.*

*8va*

*8va*

*8va*

*8va*

*p*

*tutti*

*mf*

*tutti*

*mf*

*mf*

ISSM - 135

- 6 -

Detailed description of the musical score: This page contains measures 13 and 14 of a symphonic score. The woodwind section includes Flutes I & II, Piccolo, Oboes I, II, and III, Horns I, II, III, and IV, Trumpets I & II, and Bass Trumpet III. The brass section includes Horns I & II, Horns III & IV, Trumpets I & II, and Bass Trumpet III. The harp section consists of two harps (Hp. I and Hp. II) playing octaves (8va) with sixteenth-note patterns. The string section includes Violins I & II, Viola, Violoncello (Vc.), and Contrabass (Cb.). The score features various dynamics such as *sim.* (sforzando), *mf* (mezzo-forte), *p* (piano), and *tutti*. The time signature is 2/4. Measure numbers 13 and 14 are indicated at the beginning of the first and second staves respectively.



Fl. I. II. *p*

Picc. *p*

Cl. I. II. *p*

Hp. I. *pp*

Hp. II. *pp*

Speaker

Vc. *pp*

Cb. *pp*

From out there, now 2.7 billion miles away, Pioneer's eight-watt radio transmitter sends faint wessages 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.

**Molto meno mosso rit.**

Fl. I. *ppp* I.

Picc. *ppp* 3

Hp. I. *ppp* 3

Hp. II. *ppp* l.v.

Cel. *ppp* 3

Speaker

Vln. I. *ppp* div.

Vln. II. *ppp* div.

Vla. *ppp* div.

Vc. *ppp* div.

Cb. *ppp*

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

Repeat under monologue

20

Fl. I. II. *ppp*

Ob. I. II. *ppp*

Cl. I. II. *ppp*

Cl. III. *ppp*

Hp. I. *ppp* *8va*

Hp. II. *ppp*

Cel. *ppp*

Speaker

Vln. I. *div.* *ppp*

Vln. II. *tutti* *ppp*

Vla. *tutti* *ppp*

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.

# Pesante

23

Trgl. *pp*

S.Dr. *pp*

Hp. I. *pp* *mp sec*

Hp. II. *pp* *mp sec*

Speaker

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.

Vln. I. *pp* *div.* *mp*

Vln. II. *pp* *div.* *mp* *unis.*

Vla. *pp* *tutti* *mp*

Vc. *pp* *div.* *tutti* *mp*

Cb. *pp* *mp*

Picc.   
 Ob. I. II. *à 2*   
 Hn. I. *I. open*   
 Tpt. I. II. *I.*   
 Trgl.   
 S.Dr.   
 Hp. I.   
 Hp. II.   
 Cel.   
 Vln. I.   
 Vln. II. *div. unis. div.*   
 Vla.   
 Vc.   
 Cb.

25   
 25   
 25   
 25   
 25   
 25   
 25   
 25

*mp*   
*mp*   
*mp*   
*pp*   
*pp*   
*pp*   
*pp*   
*pp*

3   
 3   
 3   
 3   
 3   
 6   
 6

25   
 25   
 25   
 25   
 25   
 25

*pp*   
*pp*   
*pp*   
*pp*   
*pp*

# Marziale (4 to the measure)

27

Fl. I. II. *mp*

Ob. I. II. *mp*

Cl. I. II. *mp*

Bsn. I. II. *mp*

Timp. *mp*

Trgl. *pp*

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

Hp. II. *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

27 *tutti mp*

Vln. I. *tutti mp*

Vln. II. *tutti mp*

Vla. *div. à 4 mp pizz.*

Vc. *mp pizz.*

Cb. *mp*