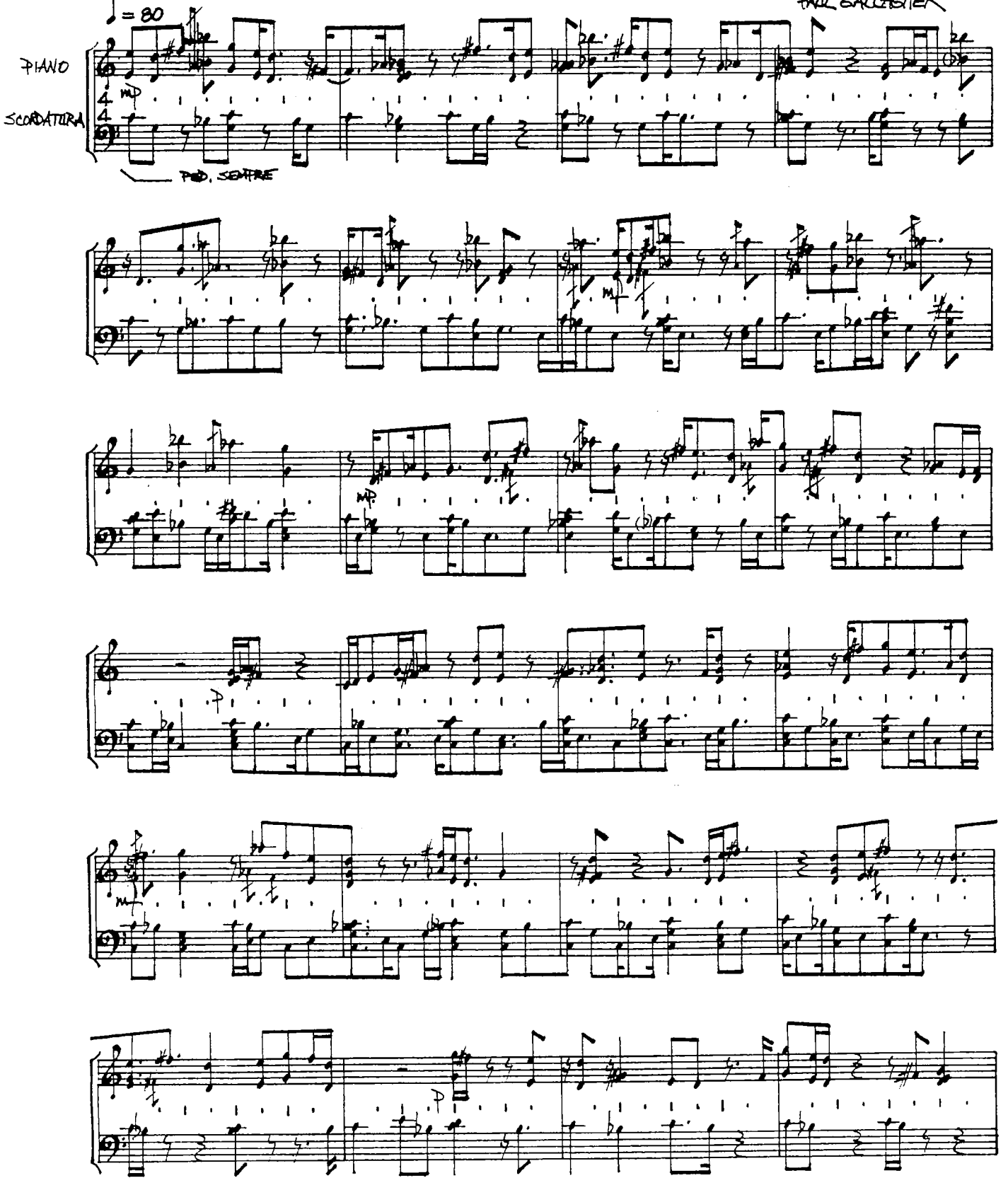
NOCTURNE

PAUL GALLAGHER



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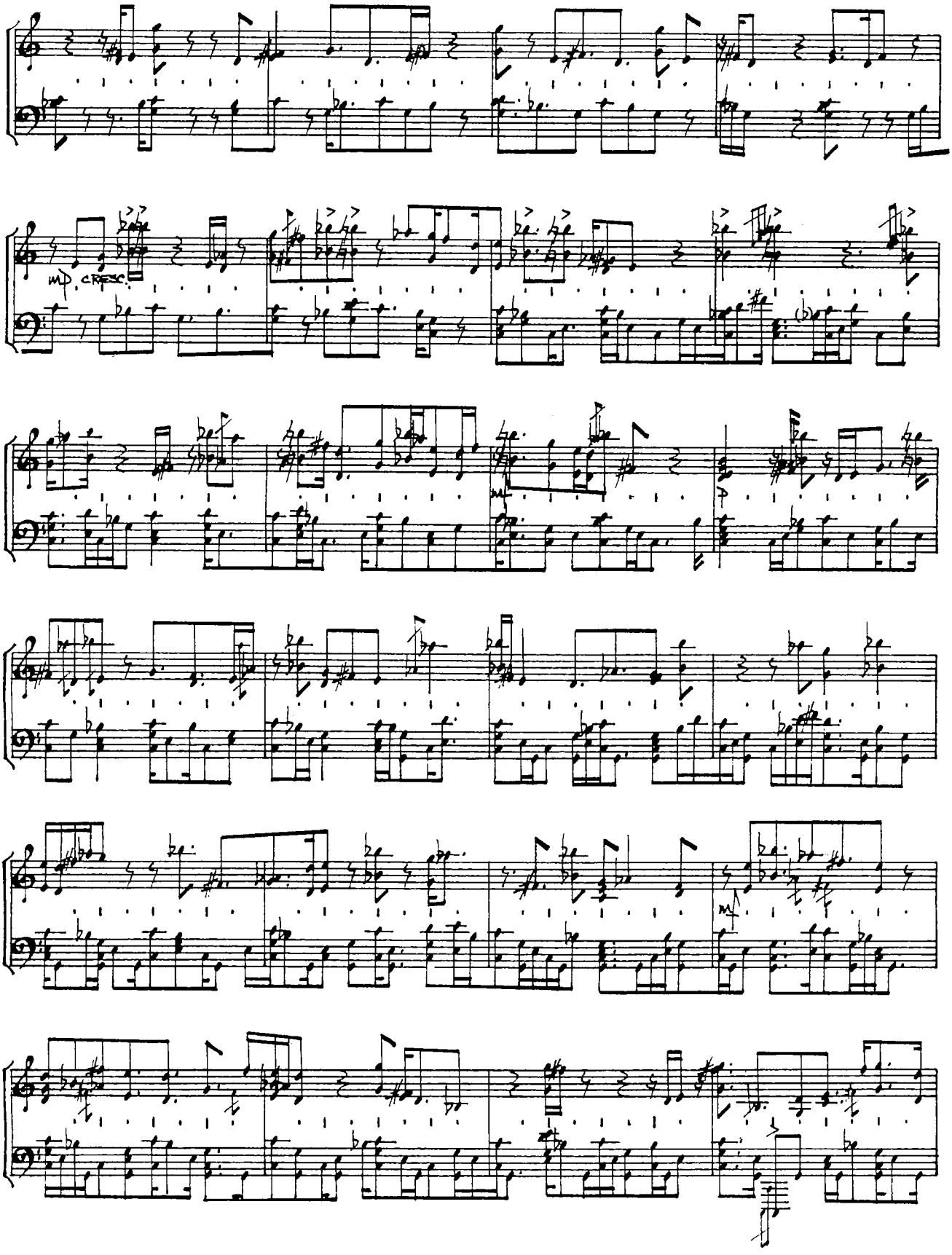
mp cresc.
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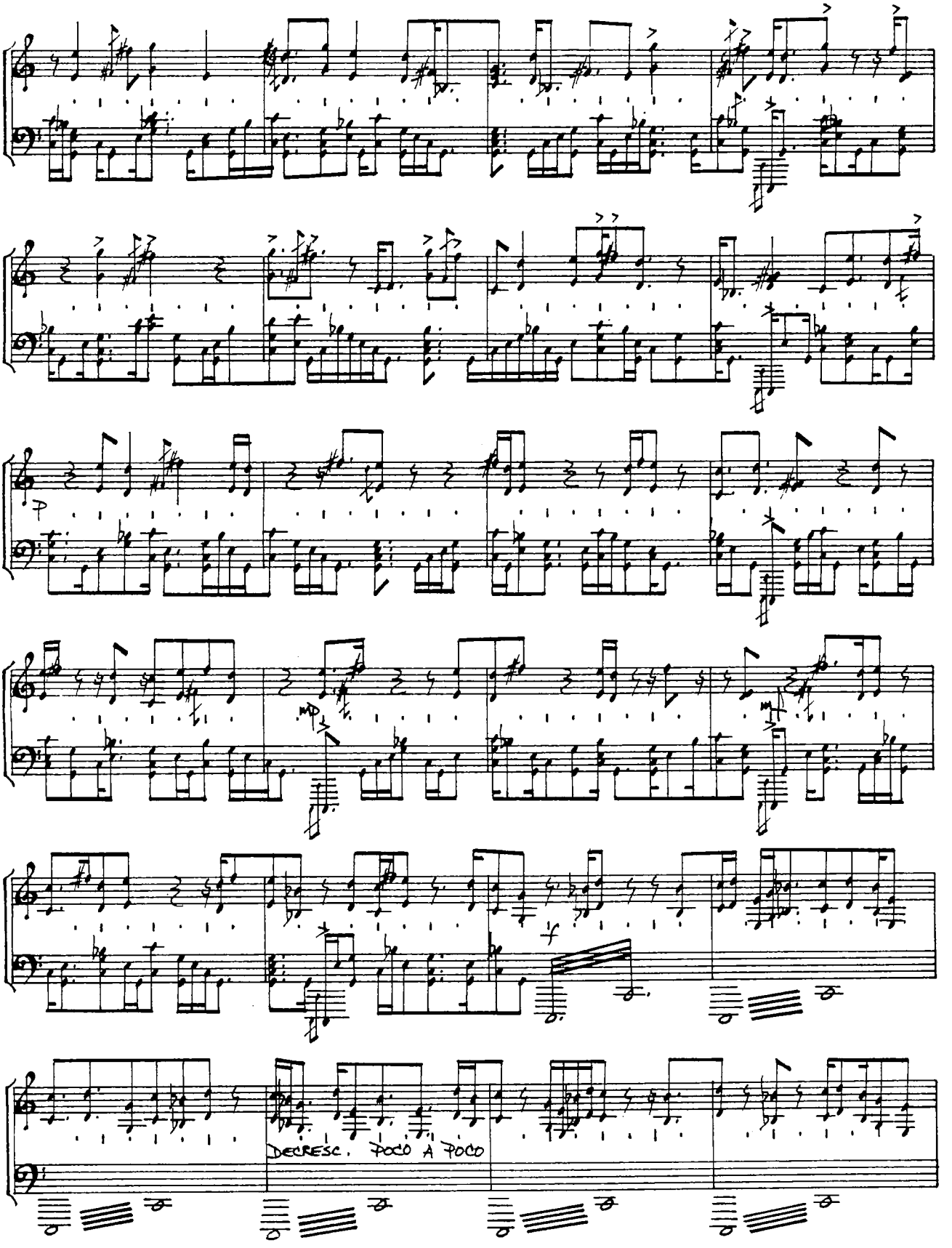
p
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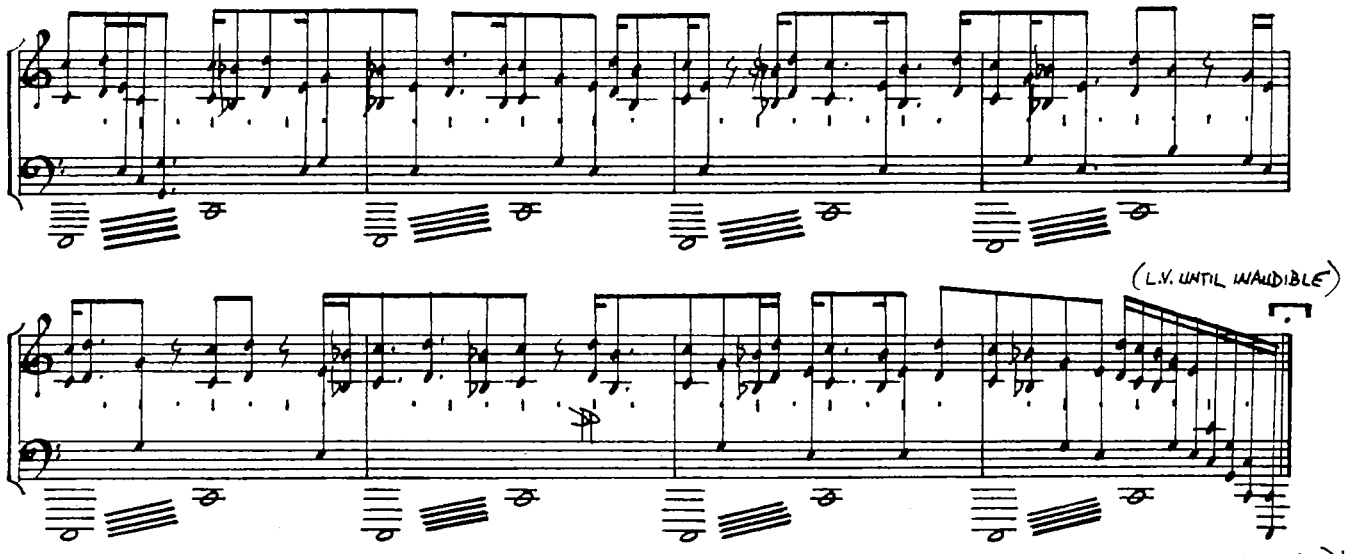
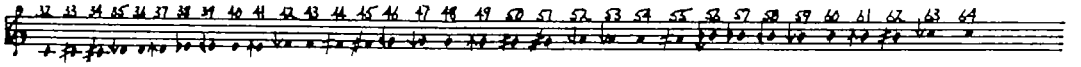
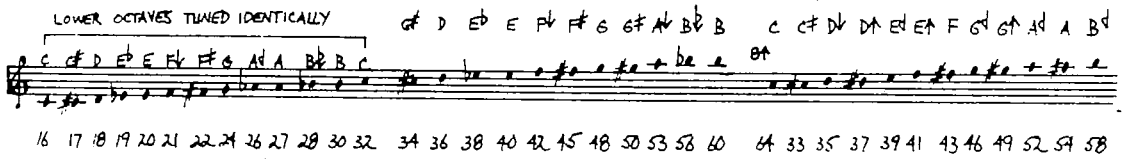


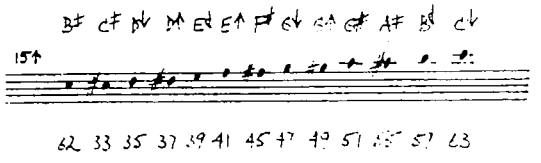
JULY 26, 1982 STATE COLLEGE, PA

32 TONE JUST SCALE (PARTIALS 32-64 in C)



PIANO TUNING TO ACCOMODATE JUST SCALE (PARTIALS 59 & 61 OMITTED (B♭↓ & B♮↑))





ACCIDENTALS APPLY IN THIS ORDER: ♭ 𝄫 ↓ ♮ ↑ ♯ 𝄪,
BUT SHOULD NOT BE INTERPRETED AS STRICTLY LINEAR DIVISIONS OF A WHOLE TONE IN EQUAL TEMPERAMENT.

PARTIALS 5, 9, 15, 27 & 43 (AND OCTAVE EQUIVALENTS) ARE NOTATED AS NATURAL PITCHES TO ILLUSTRATE PRIMARY HARMONIC RELATIONSHIPS. THEIR ACTUAL FREQUENCIES DEVIATE TO VARIOUS DEGREES FROM EQUAL TEMPERED PITCHES (E, D, B, A, F). THIS PRINCIPLE ALSO APPLIES TO THE INTERPRETATION OF ♯ OR ♭.

A SLIGHT DISCREPANCY EXISTS IN SOME RELATIONSHIPS LABELED AS PERFECT FIFTHS OR FOURTHS.

PAUL GALLAGHER was born in Pittsburgh in 1953. He received his Bachelor of Fine Arts from Penn State University and then continued his studies in composition at the State University of New York at Buffalo with Morton Feldman and Lejaren Hiller and in voice with Heinz Rehfuss. In recent years he has developed a method of composition which applies relationships found in the overtone series to the realms of pitch, rhythm and formal design.