February 12, 1974

TO: Mr. C. H. Kaman

FROM: Materials & Process Engineering - A. L. Belbruno

SUBJECT: Top Deflection History - Guitar #37

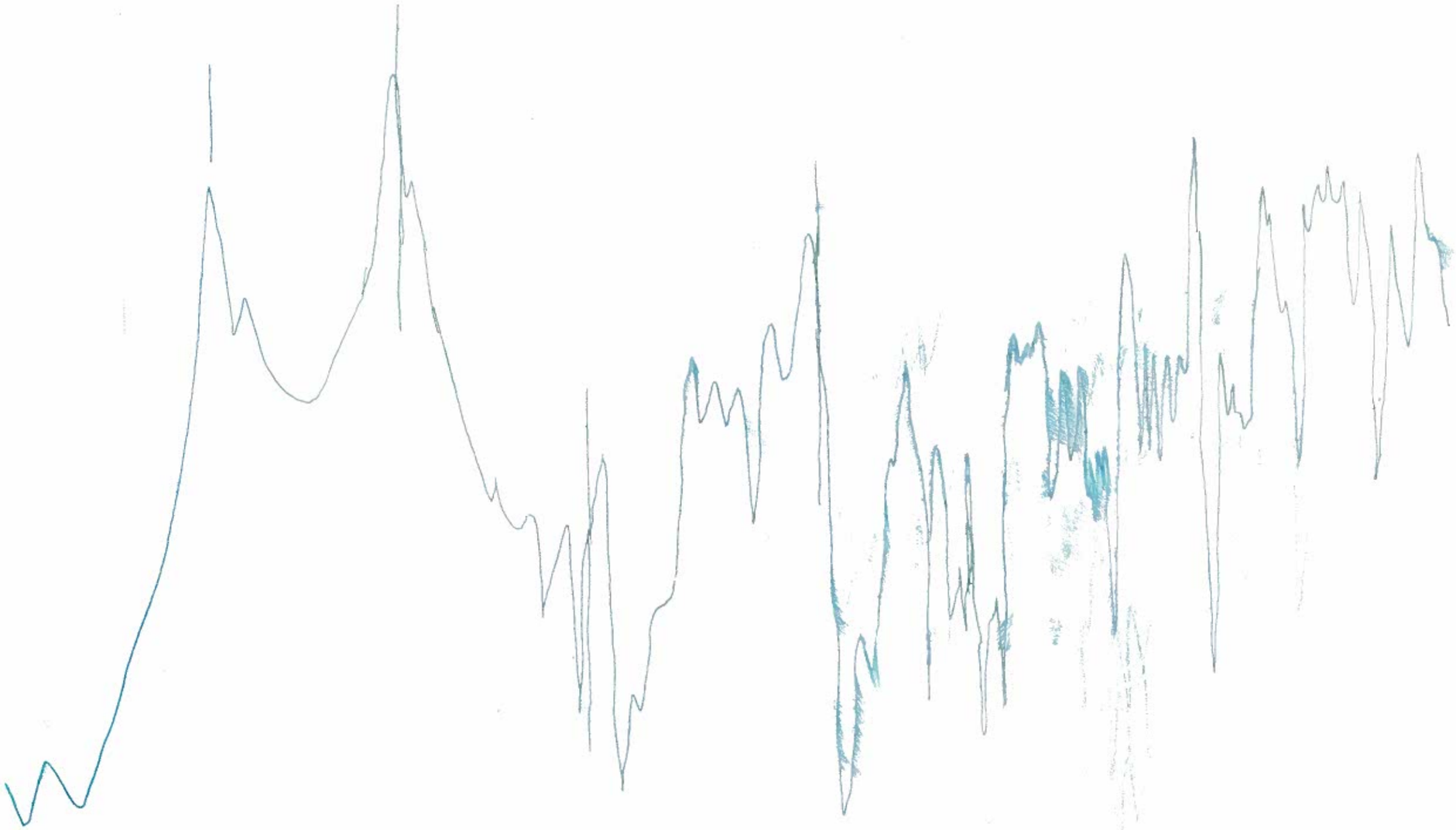
		Deflection (Inches/20 lbs) Strings Loose	
#37-1	2-08-74	.073	(Bridge rebond)

37-4

A. L. Belbruno

cc: L. Pickett

OVATION #37-3



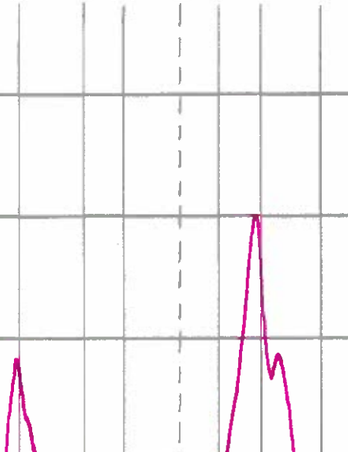
UNIT NAME Ovation Bowl ~~#39~~ #37-3

TEST RECORD № 37-3

db

+20 +15 +10 + 5 0 - 5 -10 -15 -20 -25 -30 -35 -40

E G A C D E G A C D E G A C D E G A C D E G A C D E G A C D E G A C D E G A C D



7 Fans 1/8" W 1/4" H

Hz 41.2 49.0 55.0 65.4 73.4 82.4 98.0 110.0 130.8 146.8 164.8 196.0 220.0 261.6 293.7 329.6 392.0 440.0 523.3 587.3 659.3 784.0 880.0 1046.5 1174.7 1318.5 1568.0 1760.0 2093.0 2349.3 2637.0 3136.0 3520.0 4186.0 4698.6 5274.0 6271.8 7040.0 8372.0 9397.2

OPERATING TECHNICAN [signature]

DATE 9-29-73

OVATION INSTRUMENTS

UNIT NAME

TEST RECORD № 37-3

#37-3
9-19-73

OVATION BOWL
2 CLEFFS
Top K = .88
Longitudinal bracing final K .082
Big Bass, Thin semi high, good very high

db
+20
+15
+10
+ 5
0
- 5
-10
-15
-20
-25
-30
-35
-40

E G A C D E G A C D E G A C D E G A C D E G A C D E G A C D E G A C D E G A C D

Hz 41.2 49.0 55.0 65.4 73.4 82.4 98.0 110.0 130.8 146.8 164.8 196.0 220.0 261.6 293.7 329.6 392.0 440.0 523.3 587.3 659.3 784.0 880.0 1046.5 1174.7 1318.5 1568.0 1760.0 2093.0 2349.3 2637.0 3136.0 3520.0 4186.0 4698.6 5274.0 6271.8 7040.0 8372.0 9397.2

OPERATING TECHNICAN

DATE

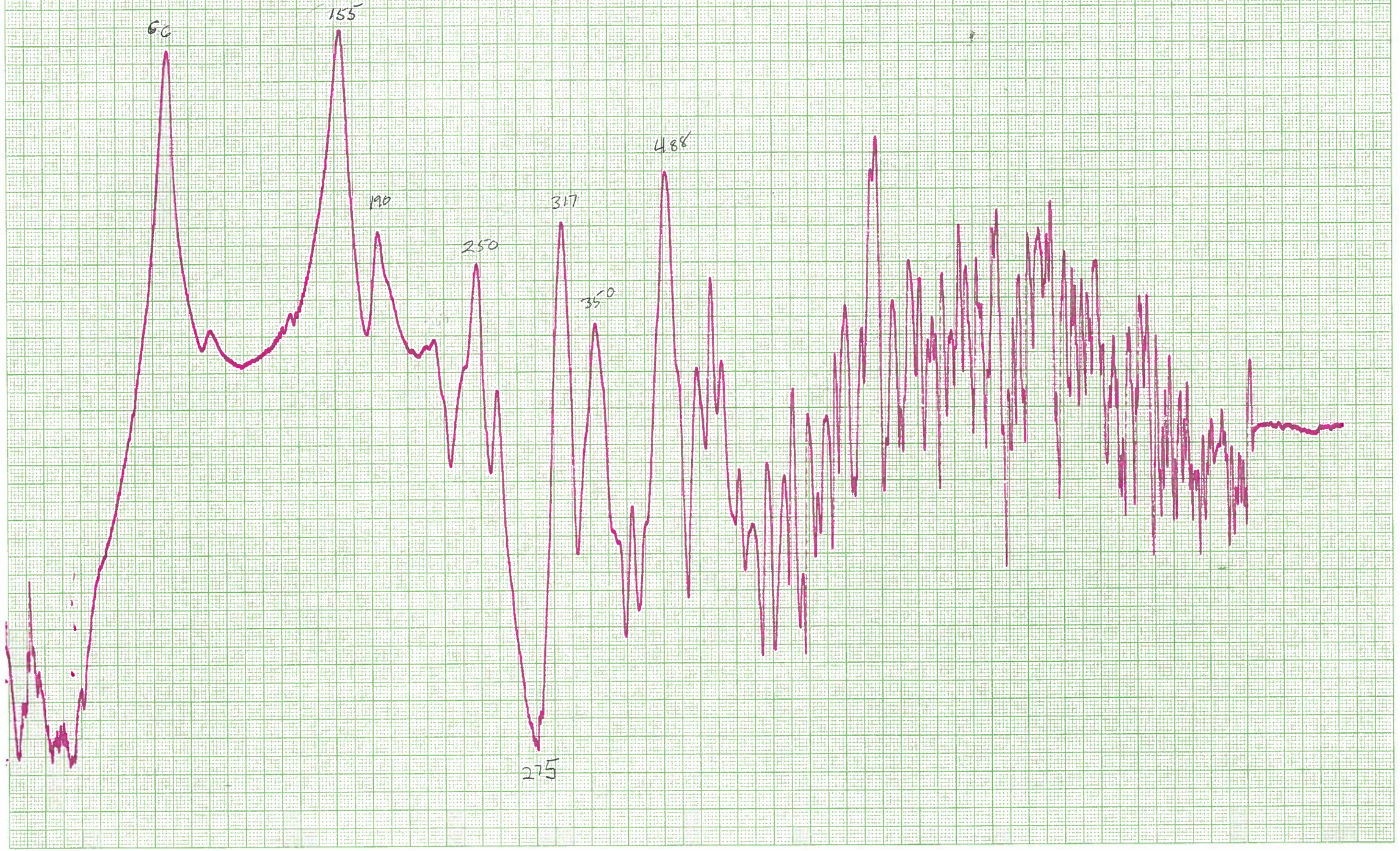
OVATION INSTRUMENTS

#37-1 OVATION BOWL CLEFF

8-15-73

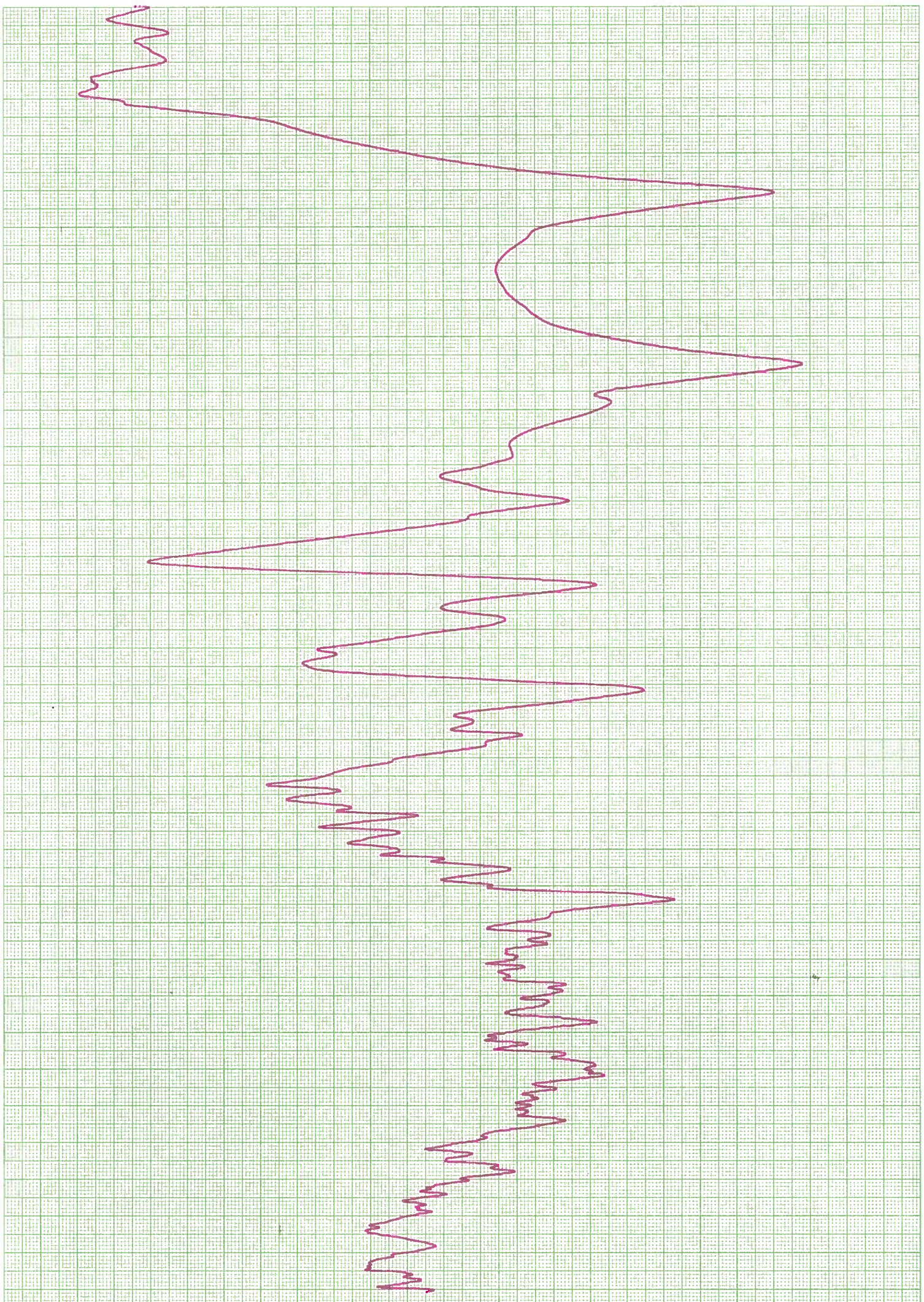
K = 1,250 "/20#

NO BRACING



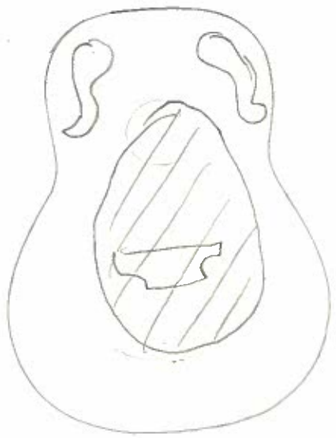
HEWLETT-PACKARD 9270-1024

HEWLETT-PACKARD 9270-1024

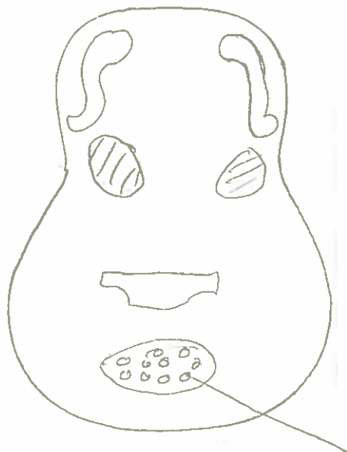


#37-1

8-15-73

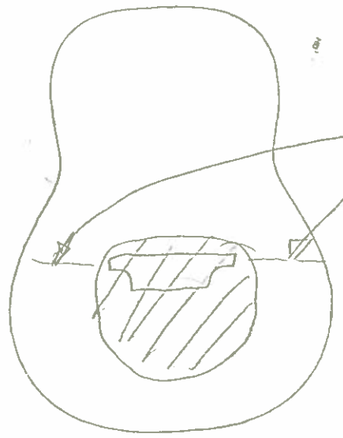


155



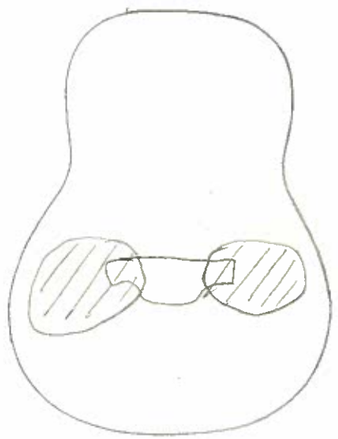
304

Node

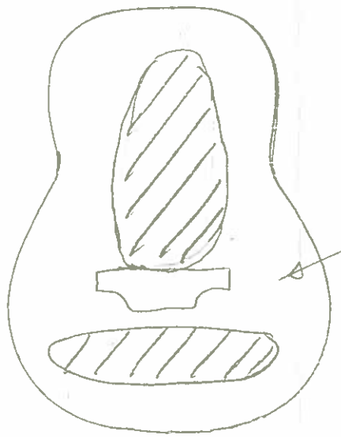


190

Stiffness has No Effect

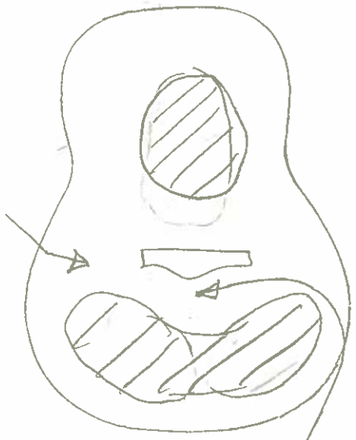


250



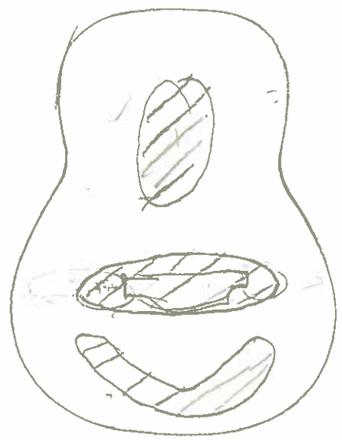
317

Nothing



350

Almost a Node



488