THESIS –

Wood is a better conductor of sound (i.e.: resonance) than plastic. Each string will deliver its best output to the top if proper selection of wood is used. Extremely hard, dense wood is best for the higher strings while a less dense wood is more sympathetic to the lower strings. Different woods have the optimum densities for each of the strings since woods have such a wide natural range.

Individual saddles and nuts for each string would be better than a common saddle for many reasons.

1. Resonating garble could be minimized.
2. Saddle to soundboard contact is much more assured and emphatic than the common saddle which may not make contact over its full length.
3. The driving output of the string is used more efficiently.
4. Intonation can be exact since the nut-to-individual-saddle distance can vary as necessary.
5. A gap between the saddles of each string would isolate and purify that strings effort.

The fans are not beams for stiffening an area. They are definitely the arteries for conducting resonances to specific areas of the top and as such the resonance path should be as pure and straightforward as possible. It should be thought of in terms of the string driving the resonance through the saddle, into the top and through the top into the specific fan and out to the top area selected.

12/2/74
CMcD:aeg

12/24/74

STRAD

Masters Series – Concert Model

TOP ..... flat – treated
material/construction ..... cut back from bowl dimensions because of 1/4" radius rim
holes/binding ..... bloodhound ? – or 1 holer
bracing/style/material ..... ? big cross brace, wide fan pattern, wide footprint fans
rosette/decoration ..... ? wood
purfling ..... ? wood or turquoise
finish ..... antique, hand rubbed

BRIDGE ..... new, carved
model/material ..... ?
saddle/pickup ..... ?
batteries, etc. ..... ?

END – pin/block ..... carved wood

FINGERBOARD ..... ?
length/shape ..... long, shaped
width/material ..... 1-11/16" wide at nut
frets ..... diminish from 15th
position markers/edging/side dots ..... .030 x 1/2" – material silver, turquoise or wood

NUT – size/material ..... turquoise or wood

NECK ..... carved heel – material ?
style/size/material ..... 6 string – reshape head standard width ?
decoration/carving ..... heel and rod cover
heel/rod cover ..... carved
rod ..... standard
neck block ..... as in #2 graphite
pickup mounting ..... ?

TUNING MACHINES ..... Schallers with new finish
carved/style ..... carved buttons

BODY ..... wood chip ?
material ..... 2 ply glass ? 4
shape ..... Ovation standard
holes ..... ?

RIM ..... 3/4" x 1/2"
shape/material ..... 1/4" radius – 4 ply layup

PICK GUARD ..... none
shape ..... none
material/thickness ..... none

STRINGS ..... PACKAGE

DECALS/SIGNATURE ..... documentation inside bowl – epoxy fingerprint

PACKAGING ..... new case

NAME ..... Concert Master #1

WEIGHT ?

12/24/74

UNTREATED WOOD
Ovation Upgrade

TOP ..... flat
material/construction ..... cut back from bowl dimensions because of 1/4" radius rim
holes/binding ..... bloodhound – ? binding – or 1 holer ?
bracing/style/material ..... ? big cross brace below holes – wide fan pattern, wide footprint
rosette/decoration ..... ?
purfling ..... ? must go over 1/4" radius shelf
finish ..... ?

BRIDGE ..... carved, new
model/material ..... ?
saddle/pickup ..... ?
batteries, etc. ..... ?

END – pin/block ..... carved

FINGERBOARD ..... ebony
length/shape ..... long, shaped
width/material ..... 1-11/16" wide @ nut
frets ..... diminish from 15th
position markers/edging/side dots ... ring ? material

NUT – size/material ..... ?

NECK ..... standard Ovation ?
style/size/material ..... 6 string – reshape head
decoration/carving ..... ?
heel/rod cover .....
rod ..... standard
neck block ..... as in #2 graphite
pickup mounting ..... ?

TUNING MACHINES ..... Schaller
carved/style ..... carved

BODY ..... Ovation standard
material ..... 2 ply glass ?
shape ..... 1/2" deeper than standard (3/8" deeper than #2)
holes 1

RIM ..... 3/4" high and 1/2" wide
shape/material ..... 1/4" radius – 4 ply layup

PICK GUARD ..... none
shape ..... none
material/thickness ..... none

STRINGS ..... package

DECALS/SIGNATURE ..... documentation inside bowl – (epoxy fingerprint ?)

PACKAGING ..... ?

NAME ..... ? Concert Grand ?

WEIGHT ..... ?

Untreated Spruce tops ground to .100 ± .005

I-45	.091	– was originally .060
I-24	.075	– was originally .063
I-23	.086	– was originally .063

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12/17/74
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