Richard Austin (1936-1990) was a metalsmith and author, with several hundred articles to his credit.

After his death I was given custody of an extensive collection of manuscript material-mostly on the technical issues of metalworking.

This text represents the first effort to organize the material—an attempt merely to group the files by topic. None of this is finished, and the text makes reference to illustrations that were never done—illustrations which were stored separately in any case, making it extremely difficult to bring the parts together.

It is unlikely that I will ever be able to spend the time to sort this all out. But it seemed a shame to let these articles languish unread by those who might benefit from them in some small way. So I have decided to release them in their roughly sorted form in the hopes that someone may find them useful.

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www-personal.umich.edu/~mrwizard
SAW

GRIND
Figure 4 Sprue Former and Typical Shell Section
Figure 8 Finial ball and base plate for angel
Figure 19, Basic ring design and two variations
Fig. 3. Shape and section of a "natural" scale.
Fig. 4. Shape and section of a finished scale.
Cubes or Prisms

- Sphere
- Hemisphere
- Round gem with pattern of arcs and Ells
- Shapes within shapes.
How To Form A Bow
begin with low 4-sided pyramids

Add a cab sitting on other points

other options

oval cab could be added to either

standard cab.
Figure 18. The final design developed by repetition of the form and highlighted with a stone inlay.