

THESIS

SCULPTURAL FORMS EXPRESSED THROUGH
MANIPULATION OF GEOMETRIC SHAPES

Submitted by
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In partial fulfillment of the requirements
for the Degree of Master of Fine Arts
Colorado State University
Fort Collins, Colorado
Summer, 1979

COLORADO STATE UNIVERSITY

November 27, 1978

WE HEREBY RECOMMEND THAT THE THESIS PREPARED UNDER OUR SUPERVISION BY GARY WAYNE VOSS ENTITLED SCULPTURAL FORMS EXPRESSED THROUGH MANIPULATION OF GEOMETRIC SHAPES BE ACCEPTED AS FULFILLING IN PART REQUIREMENTS FOR THE DEGREE OF MASTER OF FINE ARTS.

Committee on Graduate Work

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[Redacted]
[Redacted]

Adviser

[Redacted]
[Redacted]

ABSTRACT

SCULPTURAL FORMS EXPRESSED THROUGH MANIPULATION OF GEOMETRIC SHAPES

The works in the Master's Thesis show were created over the last six months. The pieces are a continuation of growth and of directions explored during the past few years. An effort was made to expand in both size and concept the direct wax process of working in cast metal.

The thesis has been directed toward the immediate, spontaneous experience of the creative act. In order to further the communication of the creative experience as the scale of the work increased, an attempt was made to retain traces of the working process. The use of a scored line, as drawing, is beginning to develop as an essential part of the work.

In order to further communicate the immediate creative experience, the traditional attitude of refining was rejected. With the development of each individual work the use of color played a more important role.

As a future possibility of exploration, the development of this concept may lead to an integration of the geometric shapes in my constructions with similar architectonic forms. This, along with the investigation of new and different forms, will offer an opportunity to continue my involvement in spontaneity as a major element in my work.

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TECHNICAL EXPLANATIONS

I. Investment gravity casting: An investment mold consisting of one part molding plaster, one part sand and one part luto (previously fired investment) is poured with Everdur bronze at a temperature between 1950-2050° Fahrenheit.

Patina A

The unheated bronze is dipped into a solution of potassium sulphide and water (one teaspoon/pint) and allowed to air-dry.

Patina B

The bronze is treated with patina A (above) then heated to approximately 300° Fahrenheit and a solution of ferric nitrate and water (one teaspoon/pint) is applied.

Patina C

The bronze is heated to approximately 400° Fahrenheit and a solution of cupric nitrate and water (one teaspoon/pint) is applied. The bronze is then allowed to cool to approximately 150° Fahrenheit and is then treated with a solution of patina A (above).

II. Investment gravity casting: An investment mold consisting of one part molding plaster, one part sand and one part luto (previously fired investment) is poured with secondary aluminum at a temperature between 1250-1350° Fahrenheit.

Patina D

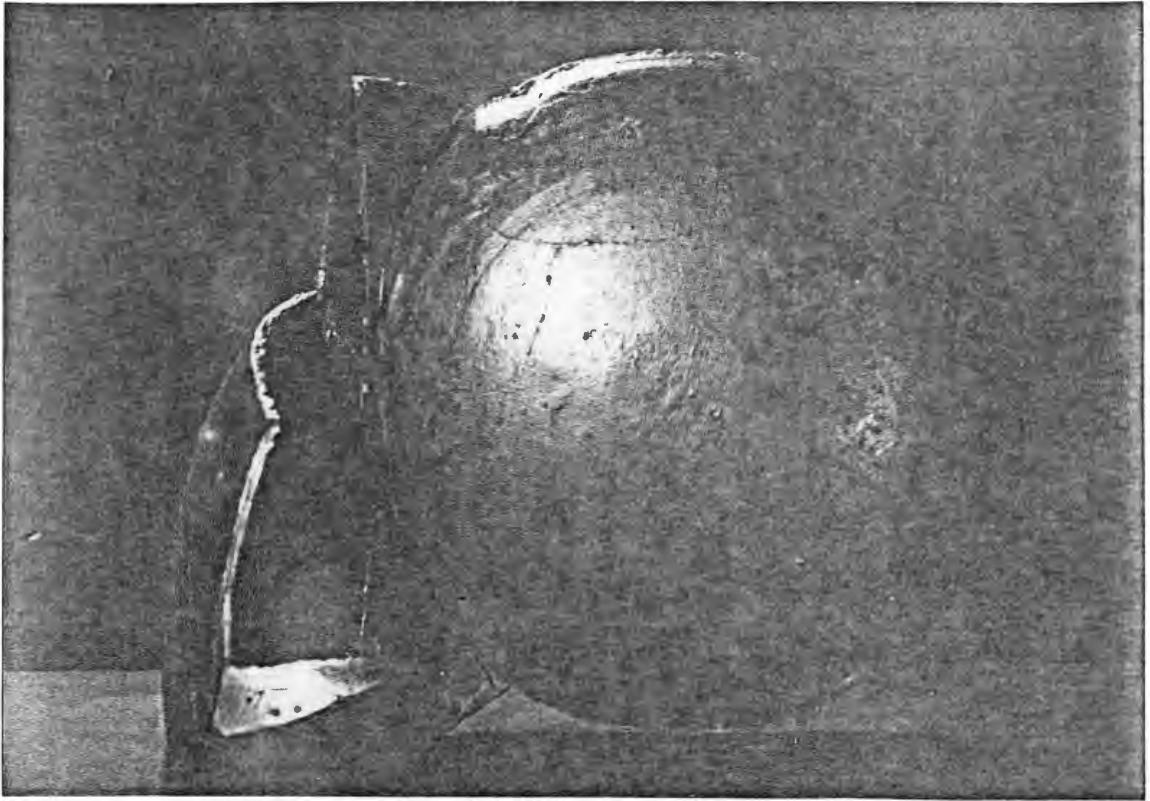
The unheated aluminum is covered with a thick mixture of 320 grit carborendum and mineral oil and is then hand-burnished.

Patina E

The unheated aluminum is covered with a thick mixture of 320 grit carborendum and Truoil (gunstock oil) and hand-rubbed very hard until tacky. It is then airdried.

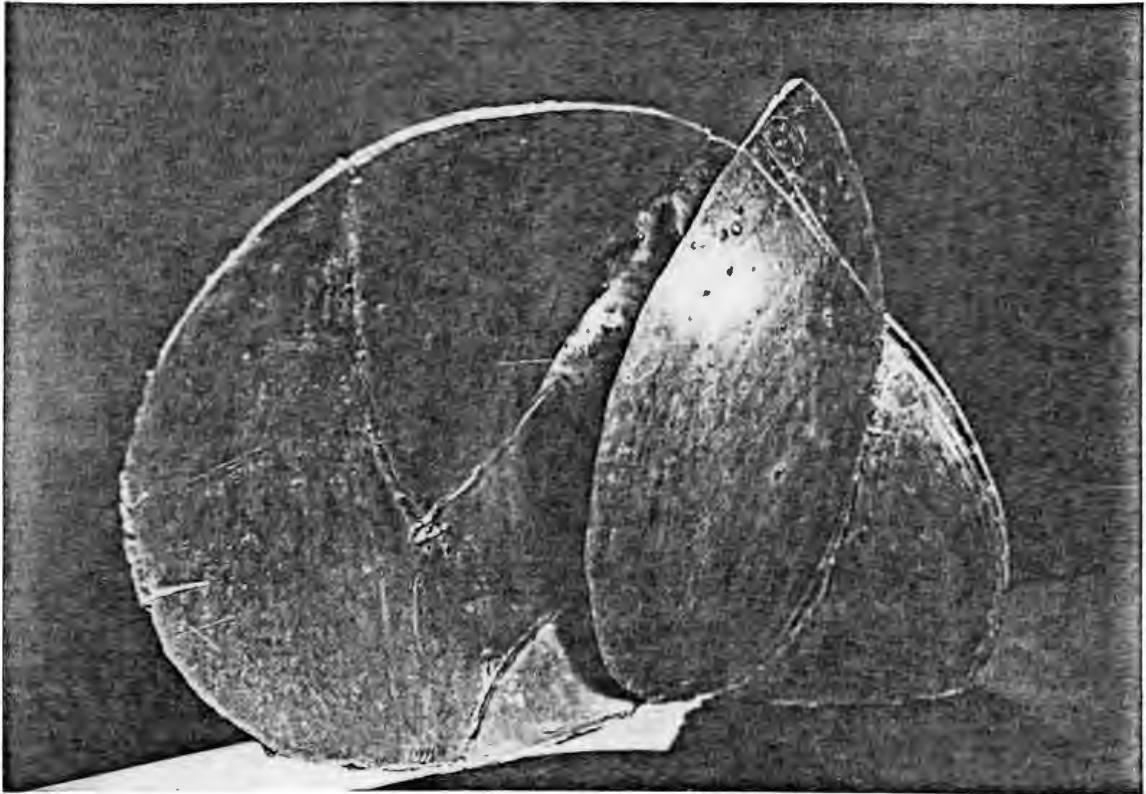
1. Untitled - 20" x 11" x 19"

Bronze, Technique I, Patina B, view one.



2. Untitled - 20" x 11" x 19"

Bronze, Technique I, Patina B, view two.



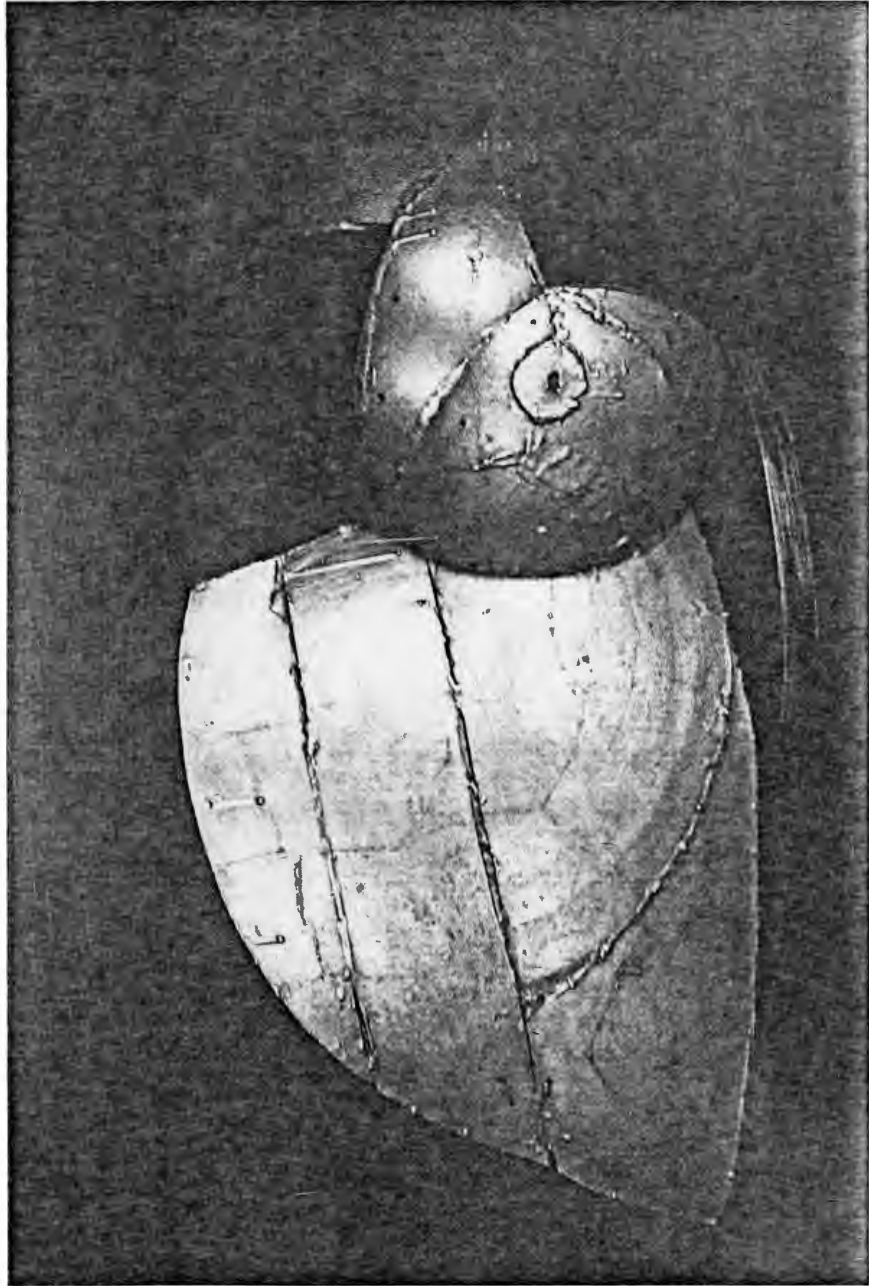
3. Untitled - 31" x 11" x 14"

Bronze, Technique I, Patina A, view one.



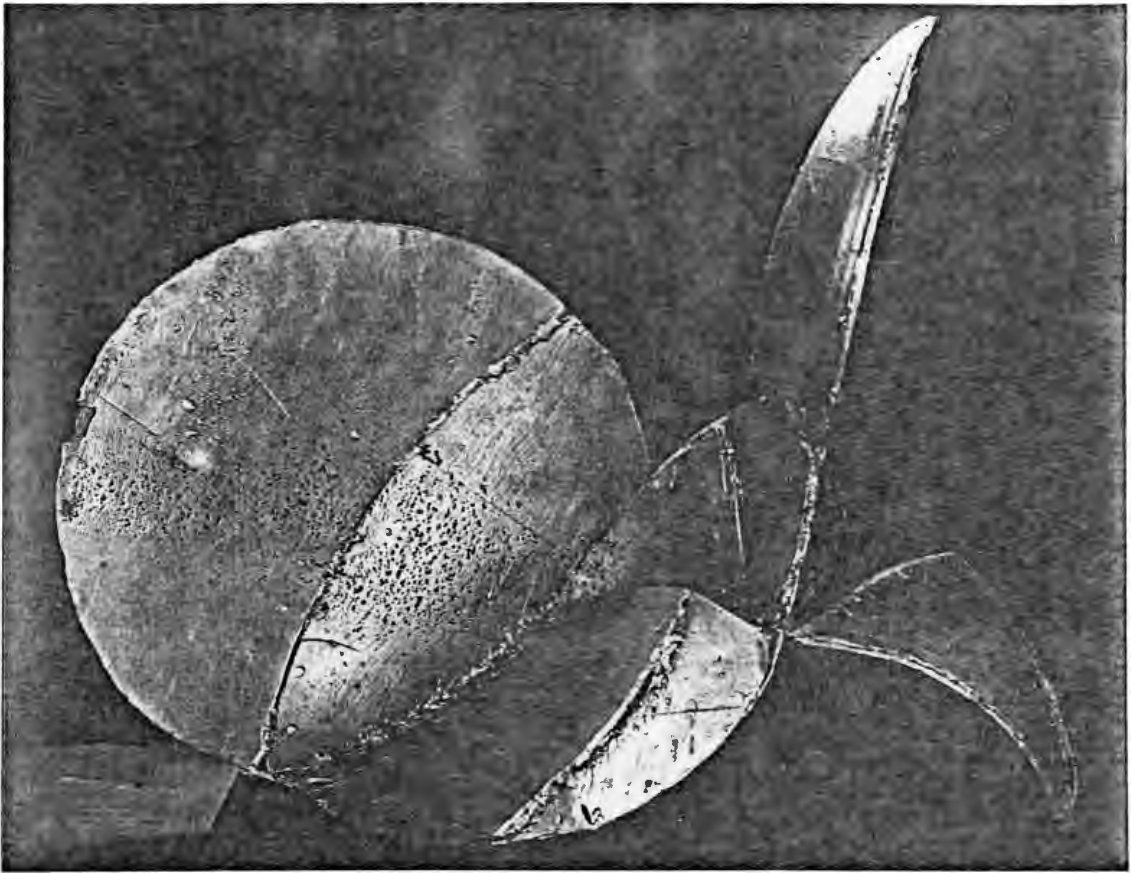
4. Untitled - 31" x 11" x 14"

Bronze, Technique I, Patina A, view two.



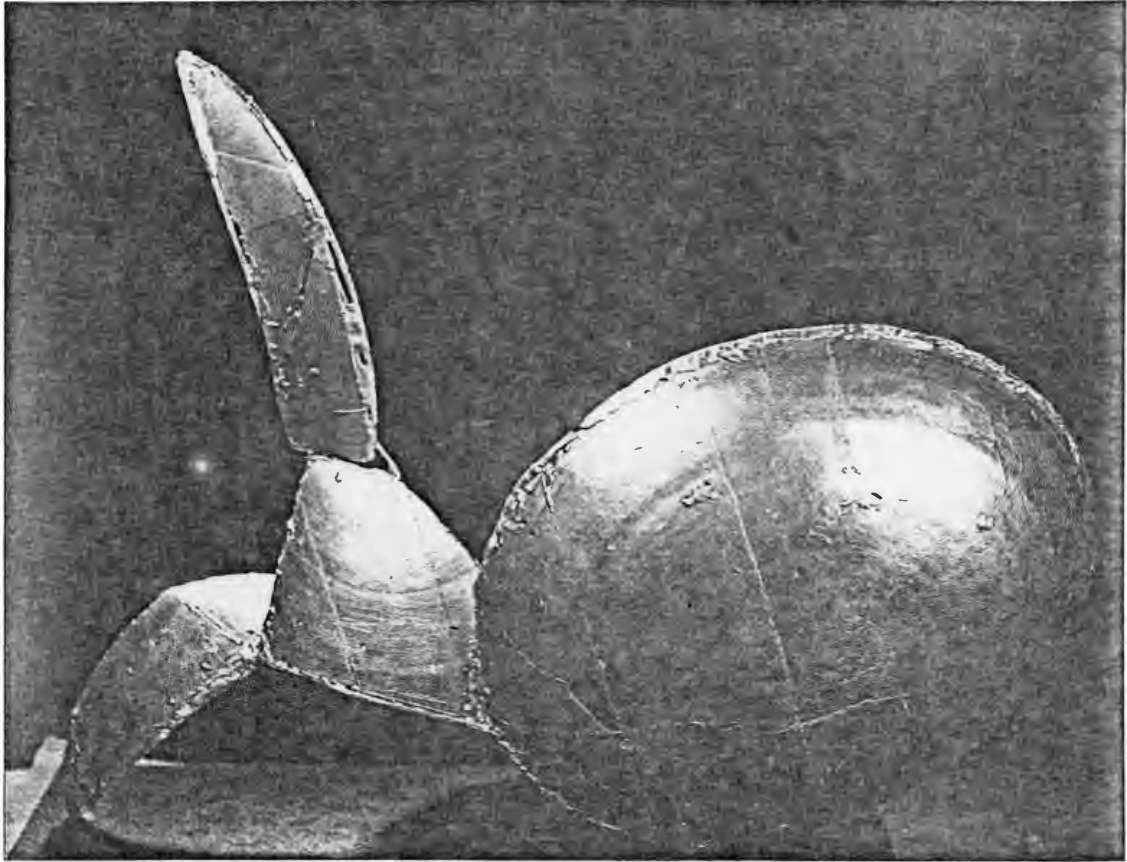
5. Untitled - 31" x 12" x 25"

Aluminum, Technique II, Patina D, view one.



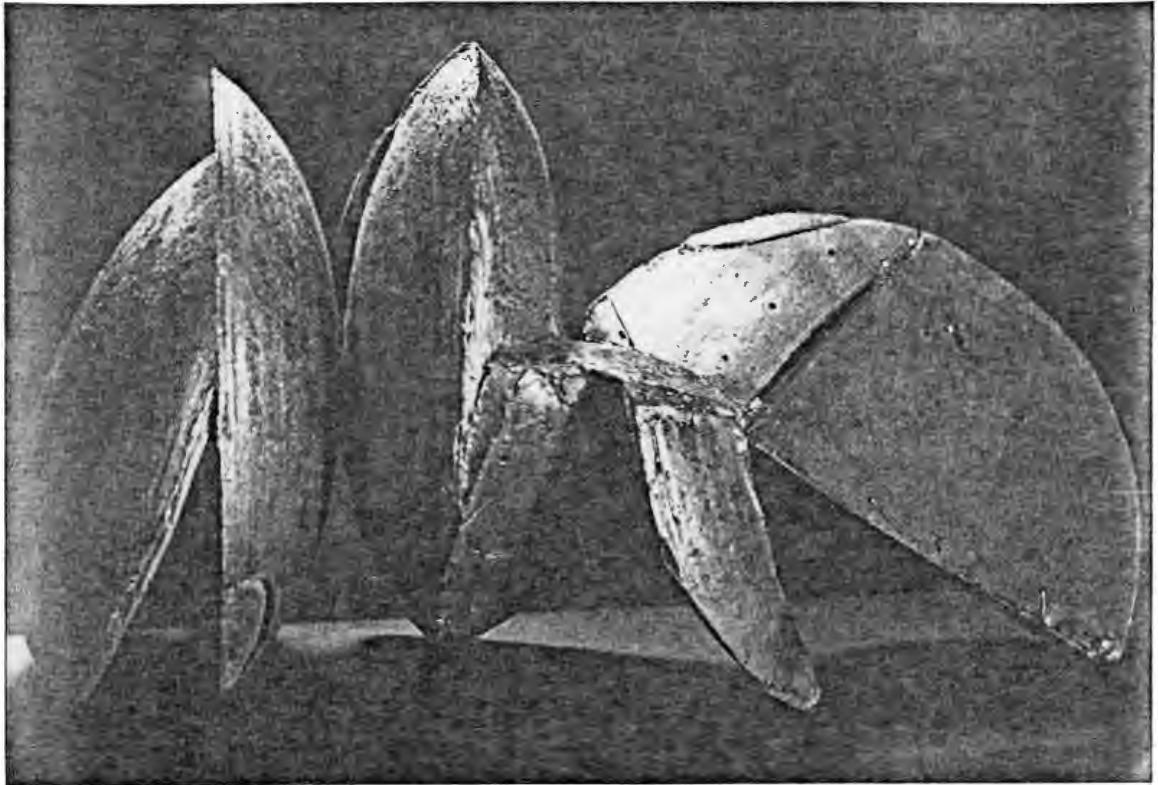
6. Untitled - 31" x 12" x 25"

Aluminum, Technique II, Patina D, view two.



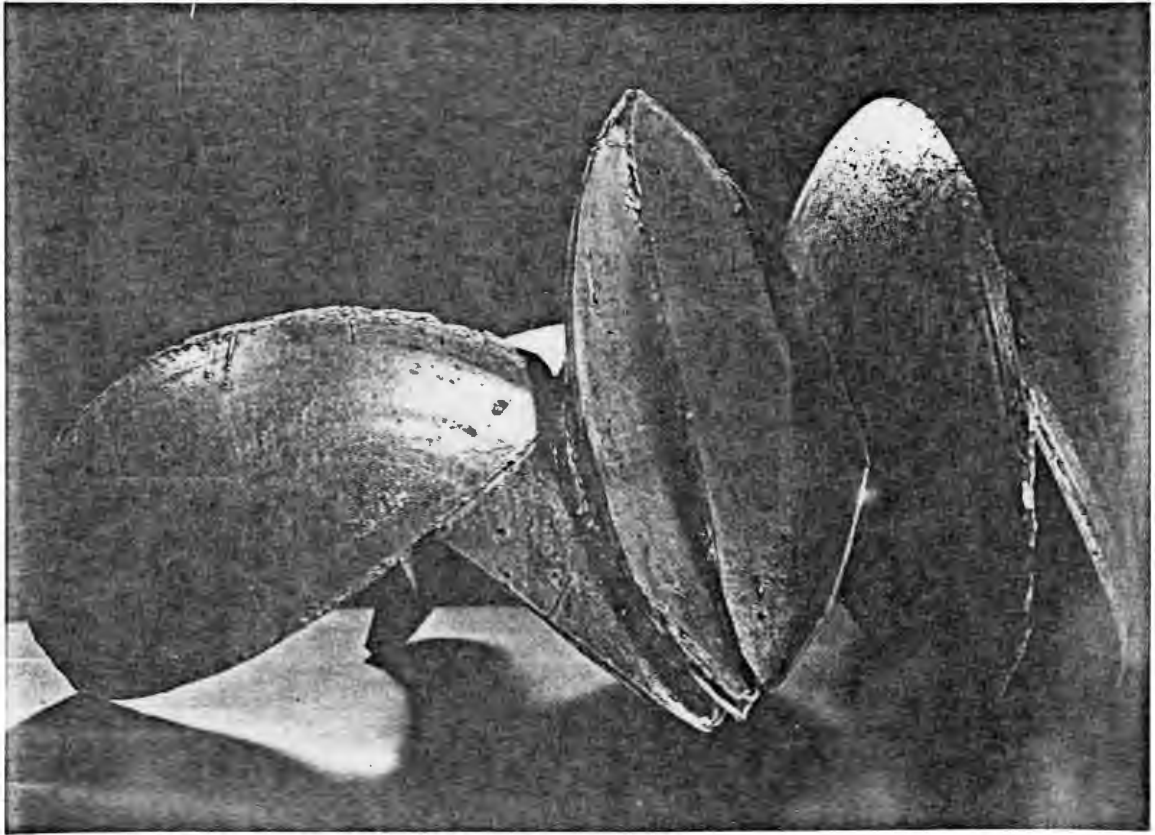
7. Untitled - 32" x 17" x 18"

Bronze, Technique I, Patina B, view one.



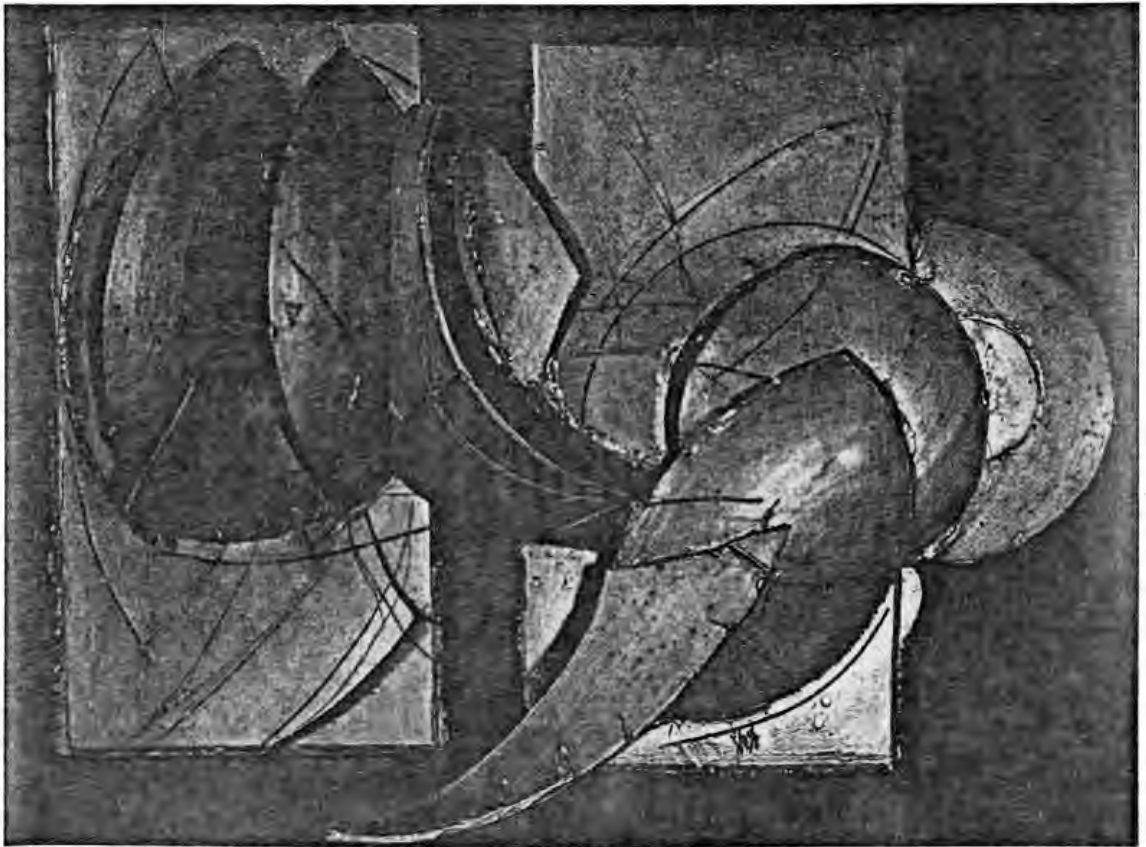
8. Untitled - 32" x 17" x 18"

Bronze, Technique I, Patina B, view two.



9. Untitled - 33" x 24" x 4"

Bronze, Technique I, Patina A.



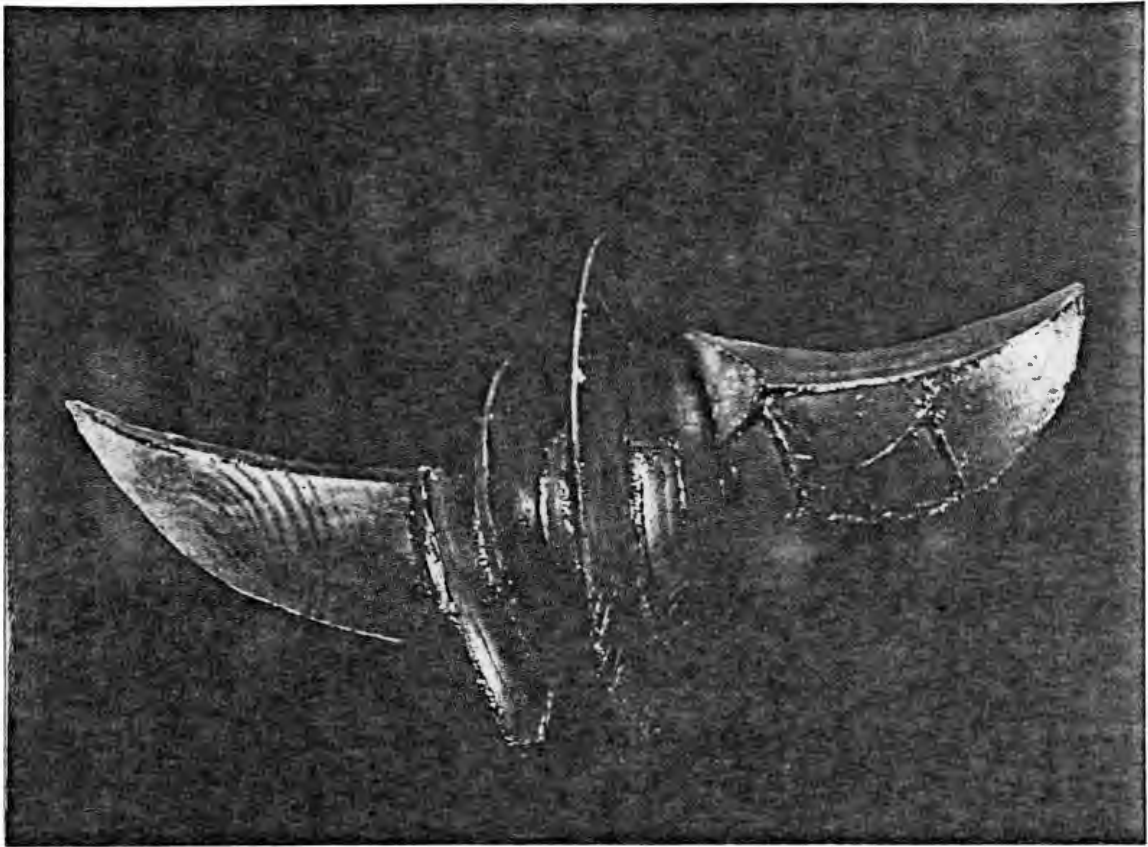
10. Untitled - 48" x 24" x 24"

Aluminum, Technique II, Patina E, view one.



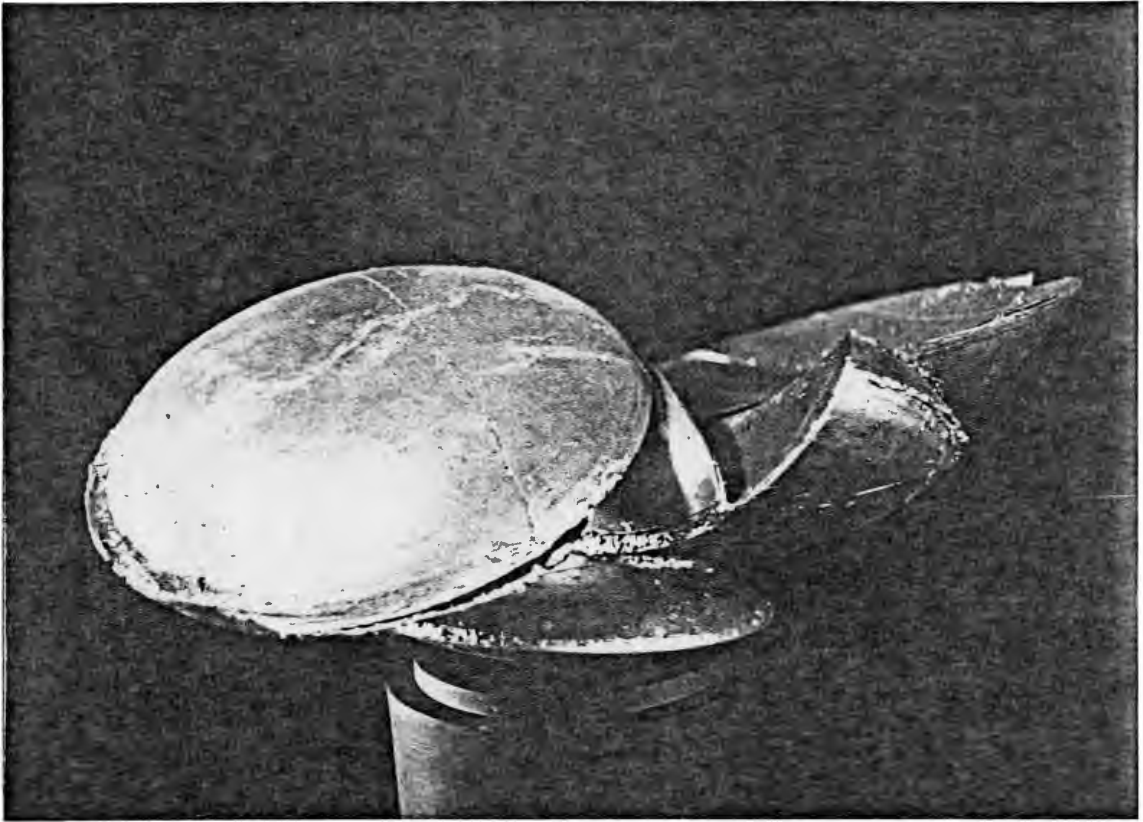
11. Untitled - 48" x 24" x 24"

Aluminum, Technique II, Patina E, view two.



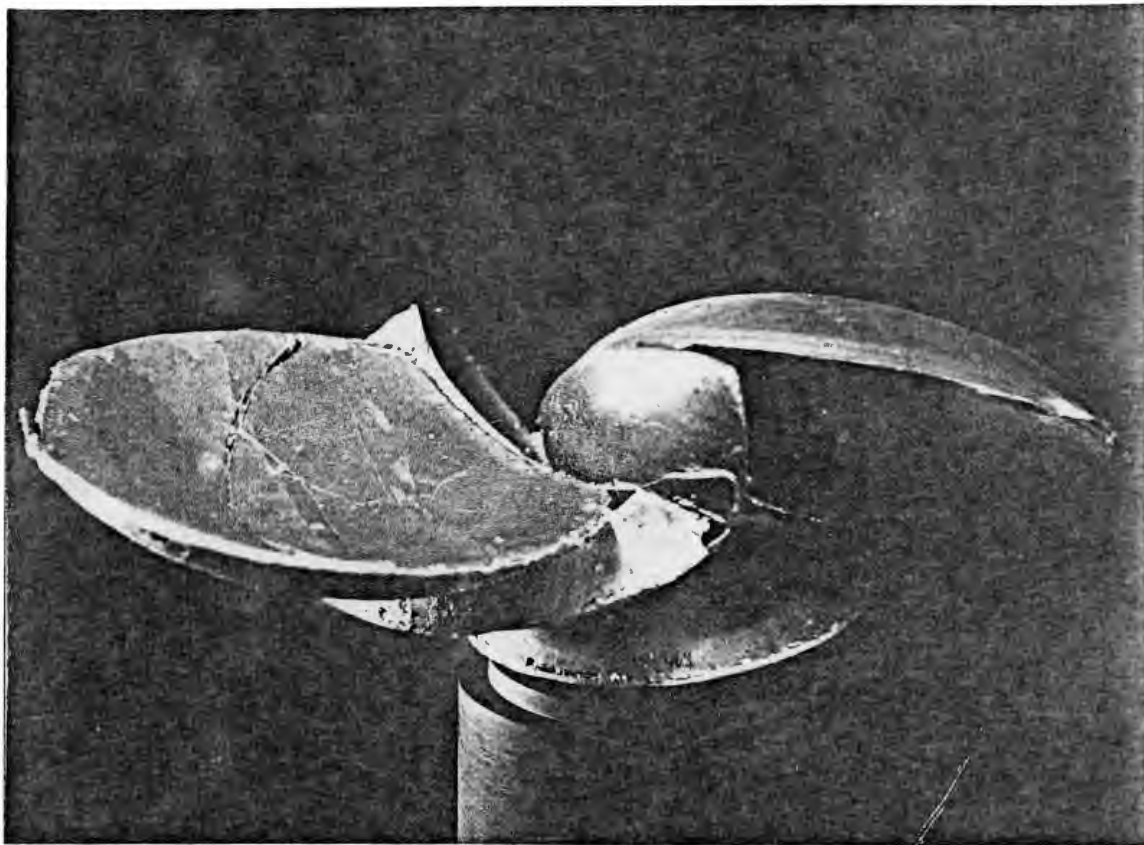
12. Untitled - 36" x 18" x 13"

Aluminum, Technique II, Patina E, view one.



13. Untitled - 36" x 18" x 13"

Aluminum, Technique II, Patina E, view two.



14. Untitled - 75" x 45" x 6"

Aluminum, Technique II, Patina E.



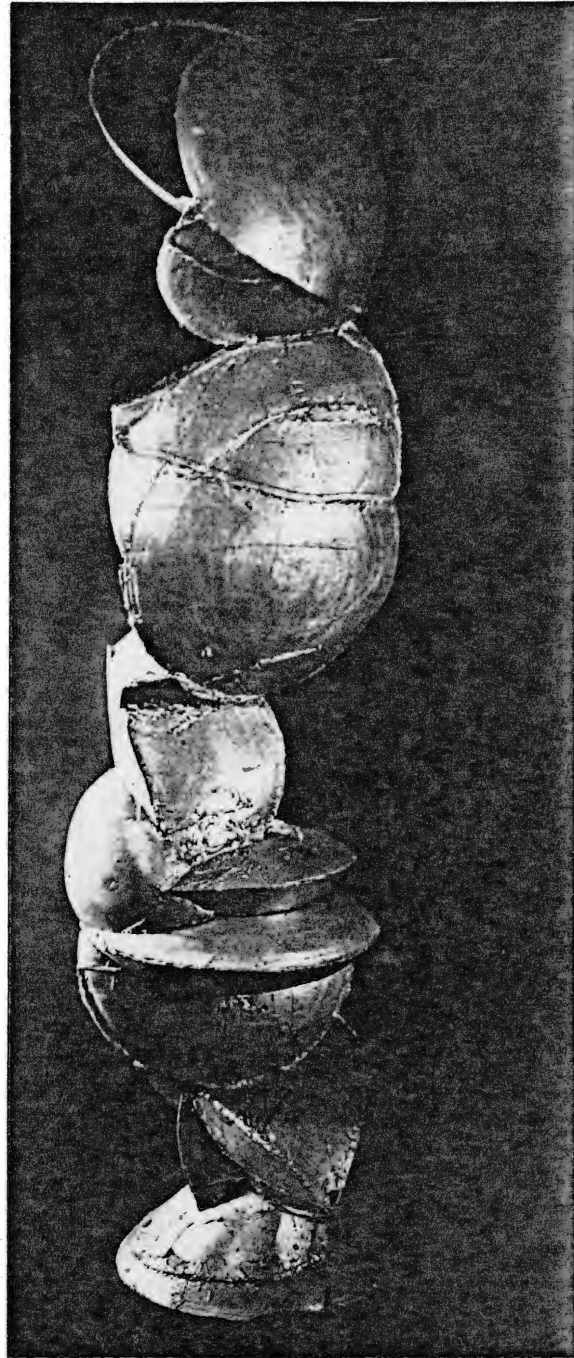
15. Untitled - 18" x 18" x 78"

Aluminum, Technique II, Patina E, view one.



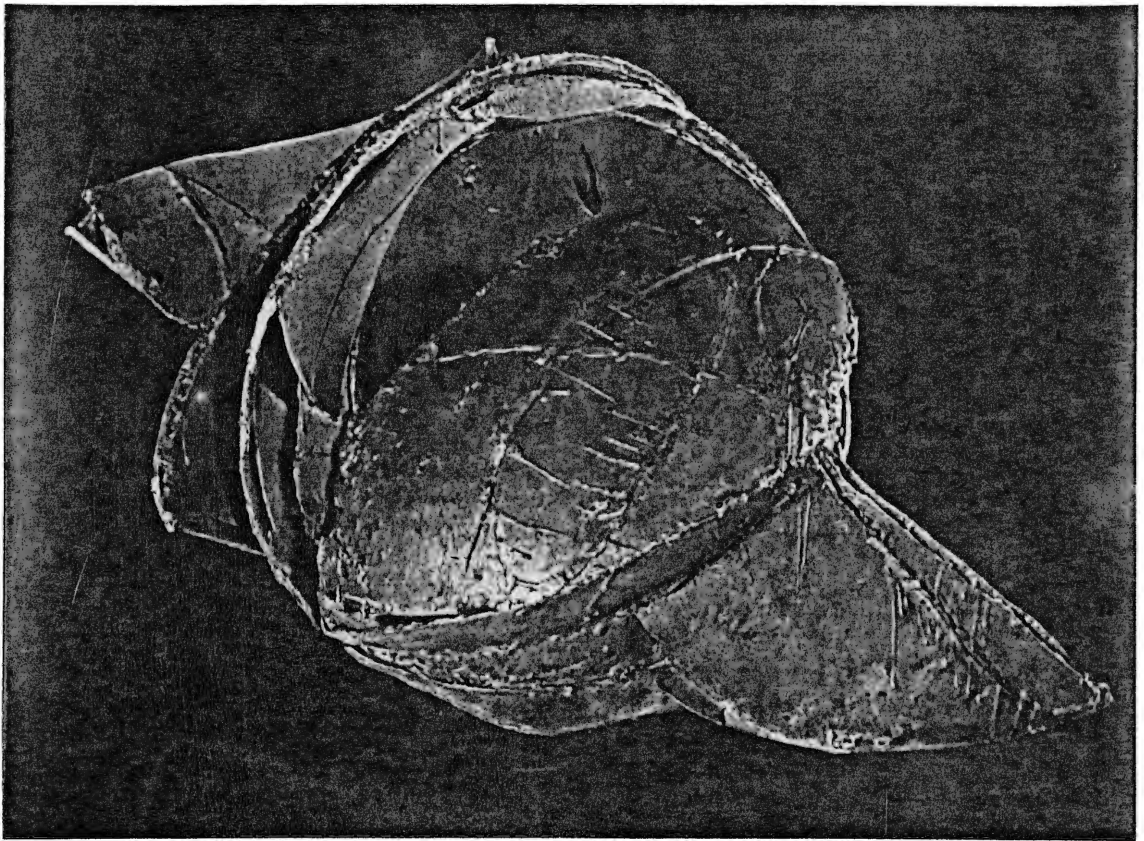
16. Untitled - 18" x 18" x 78"

Aluminum, Technique II, Patina E, view two.



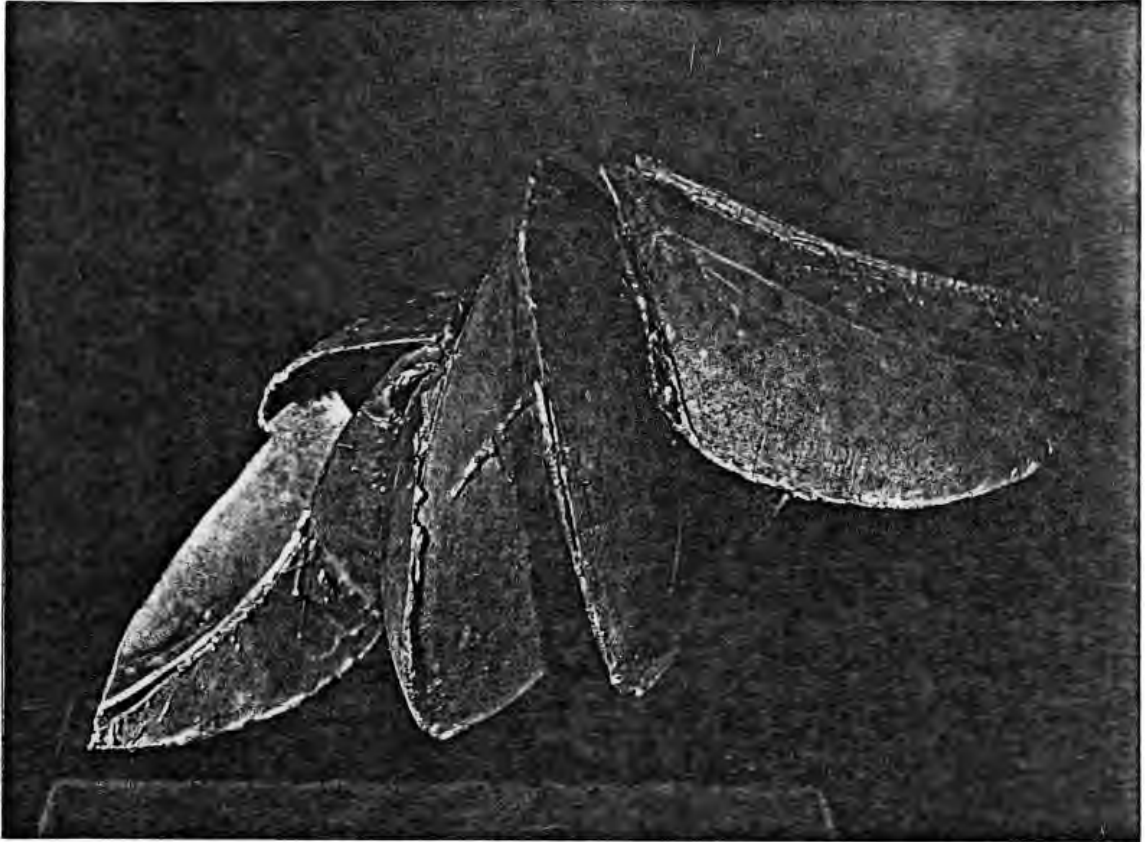
17. Untitled - 31" x 18" x 19"

Bronze, Technique I, Patina C, view one.



18. Untitled - 31" x 18" x 19"

Bronze, Technique I, Patina C, view two.



APPENDIX

THESIS PROPOSAL SUBMITTED OCTOBER 1976

I will mainly concern myself with wax constructions of geometric shapes. These will be repeated and segmented in a spontaneous manner in order to achieve an organic, non-figurative image.

The images presented will imply gesture, growth and movement of organic forms.

Gary Wayne Voss
Appendix
October 1976