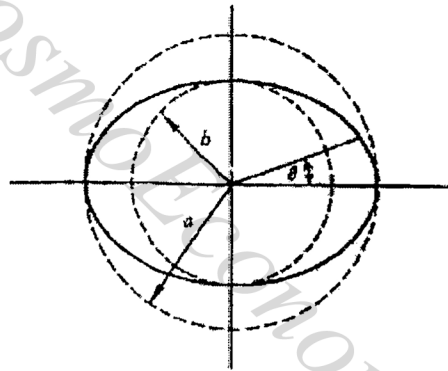


**THE BAUMRING ELLIPSE MANUALS**  
**VOLUME 1**

CONTAINING SELECTIONS FROM  
DR. JEROME BAUMRING'S  
INVESTMENT CENTRE SEMINARS  
"GANN HARMONY"  
THE LAW OF VIBRATION  
LECTURE NOTES & GANN 1-4



RESEARCH MANUALS FOR  
**THE GANN ELLIPSE**

# TABLE OF CONTENTS - VOLUME 1

## PART 1: EXCERPTS FROM THE LECTURE NOTES OF JULIUS NIRENSTEIN, GANN 1-9

A SELECTION OF MATERIAL FROM JULIUS NIRENSTEIN'S NOTES FOCUSING ON DR. BAUMRING'S DISCUSSIONS OF ELLIPSES AND THE ASTRONOMY AND GEOMETRY RELATED TO THEM.

## PART 2: EXCERPTS FROM THE BAUMRING GANN 1 COURSE MANUAL

- SECTION 1: WHAT IS A VECTOR?  
SECTION 2: ANALYTIC GEOMETRY & CALCULUS  
THE RULE OF THREE. STRAIGHT LINE. CIRCLE & ELLIPSE.  
HYPERBOLA & PARABOLA. CURVES OF SECOND DEGREE.  
RECTANGULAR COORDINATES. CENTER OF GRAVITY .  
SECTION 3: WHEELS WITHIN WHEELS

## PART 3: EXCERPTS FROM THE BAUMRING GANN 2 COURSE MANUAL

- SECTION 1: PRACTICAL GEOMETRY  
THE CIRCLE. THE CONSTRUCTION & USE OF LOCI  
SECTION 2: PLANE ANALYTIC GEOMETRY  
GRAPHS OF EQUATIONS. EQUATION OF A LOCUS. CIRCLE &  
PARABOLA. CENTRAL CONICS. ECCENTRICITY. TRANSLATION  
OF AXES. ROTATION OF AXES.  
SECTION 3: LENGTH, MASS & TIME  
SIMPLE HARMONIC MOTION. PLANETARY MOTION.  
SECTION 4: THE DIVINE PROPORTION  
BEAUTY IN MATHEMATICS. .NATURE'S GOLDEN NUMBERS.  
SPIRA MIRABILIS.

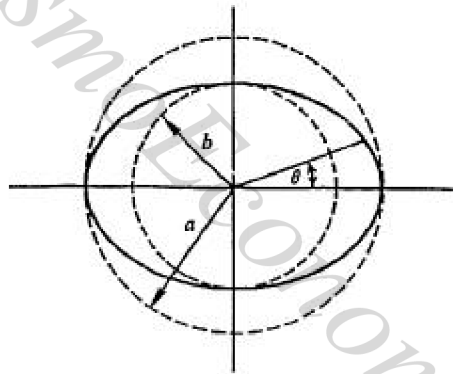
## PART 4: EXCERPTS FROM THE BAUMRING GANN 3 & 4 COURSE MANUALS.

- SECTION 1: THE INFLUENCE OF ASTRONOMICAL DISCOVERY IN THE  
DEVELOPMENT OF THE HUMAN MIND  
SECTION 2: NEW LAWS FOR NATURAL PHENOMENA  
NEWTON'S LAW OF GRAVITATION. SOMETHING ABOUT  
EQUATIONS. THE PLANET DISTANCES. RELATION OF  
PLANETARY DISTANCES TO CHEMICAL BEHAVIOR. THE SQUARE  
OF THE INTEGER  
& THE PERIODIC LAW  
SECTION 3: ANALYTIC GEOMETRY & CALCULUS  
SOME APPLICATIONS OF DEFINITE INTEGRALS. INTEGRATION.  
SIGMA NOTATION.

# THE BAUMRING ELLIPSE MANUALS

## VOLUME 2

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INVESTMENT CENTRE SEMINARS  
"GANN HARMONY"  
THE LAW OF VIBRATION  
GANN 5 - 9



RESEARCH MANUALS FOR  
THE GANN ELLIPSE

## TABLE OF CONTENTS – VOLUME 2

### PART 5: EXCERPTS FROM THE BAUMRING GANN 5 COURSE MANUAL.

- SECTION 1: ON GROWTH & FORM  
EULER'S LAW. ON GEODESICS. THE EQUIANGULAR SPIRALS.  
CONCERNING GNOMONS. PHYLLOTAXIS.
- SECTION 2: NATURE'S HARMONIC UNITY  
FORCE SOUND. CONCURRENT VIBRATIONS. PITCH INTERVALS.  
VIBRATIONAL FORMS. ORBITS OF INFERIOR & SUPERIOR  
PLANETS.
- SECTION 3: TIME STANDS STILL  
QUALITATIVE NUMBER. NUMBER AS RHYTHM  
CYCLE & SEQUENCE. THE PLANETS AS TIME KEEPERS.  
PATTERNS IN SPACE & TIME.
- SECTION 4: THE LOST SOLAR SYSTEM  
HYPERBOLIC SERIES. NUMBER SERIES & SERIES SUMMED.  
HYPERBOLIC SOLIDS. TIME & VELOCITY. GRAVITATION.

### PART 6: EXCERPTS FROM THE BAUMRING GANN 6 COURSE MANUAL.

- SECTION 1: ON CONIC SECTIONS  
CONSTRUCTIONS OF ELLIPSES, PARABOLAS & HYPERBOLAS.
- SECTION 2: CELESTIAL MAGNETIC POLARITIES

### PART 7: EXCERPTS FROM THE BAUMRING GANN 8 COURSE MANUAL.

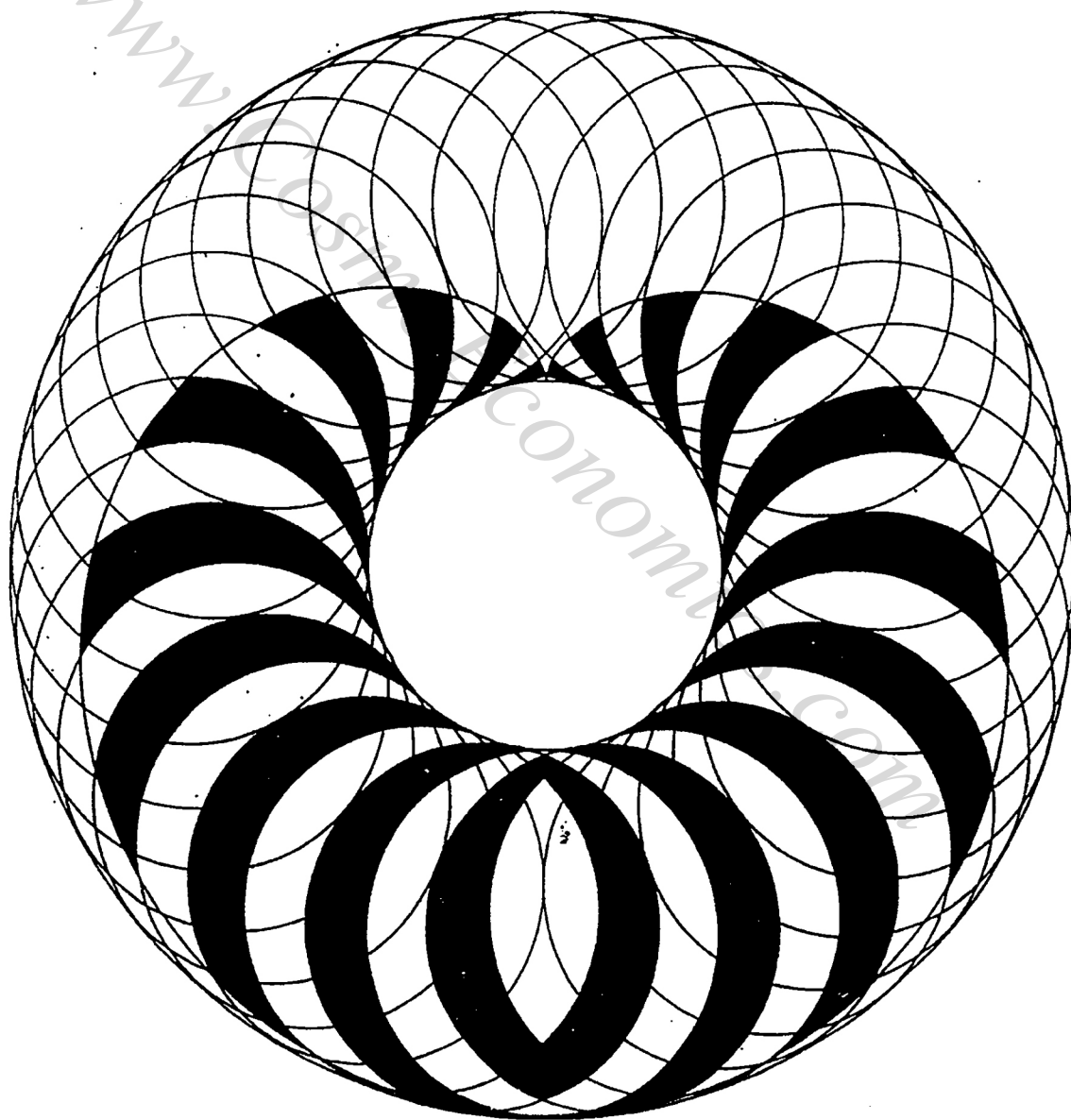
- SECTION 1: RECTANGULAR COORDINATES
- SECTION 2: THE CIRCUMSCRIBED OBJECTIVE
- SECTION 3: APPLICATIONS OF THE ELLIPSE  
CONSTRUCTION OF AN ELLIPSE. GANN'S SQUARE OF NINE.  
BAYER'S ELLIPSES. SAMPLE CHARTS WITH TIME COUNTS.
- SECTION 4: CURVES IN SPACE  
CYCLOIDAL CURVES & ENVELOPES. CONCHOIDAL  
TRANSFORMATIONS OF LINES, CIRCLE, & TRIANGLES. HELIX,  
HYPERBOLOID & TORUS. EARTH WITH 15 DEGREE PARALLELS.

### PART 8: EXCERPTS FROM THE BAUMRING GANN 9 COURSE MANUAL.

- SECTION 1: CRYSTALLOGRAPHY  
METHODS OF PROJECTION. DESCRIPTION OF CRYSTALS.
- SECTION 2: ETHERIC FORCES & PROJECTIVE GEOMETRY  
INFINITELY DISTANT ELEMENTS. COMMUNITY OF POINT, LINE  
& PLANE. POLARITY CALLED FORTH BY SPHERE. POLAR  
TRANSFORMATIONS. EXTENSIVE & INTENSIVE 2-D FORMS. THE  
THREE FUNDAMENTAL MEASURES. PROJECTIVE NETS &  
SPIRALS.
- SECTION 3: POLYGONS & POLYHEDRA  
DRAWING THE POLYGONS. DIAGONALS OF POLYGONS.  
SUBDIVIDING A SQUARE. CONCENTRIC HEXAGONS.  
TESSELLATED POLYGONS. KEPLER'S SOLAR SYSTEM  
POLYHEDRA. ARCHIMEDIAN POLYHEDRA. THE GOLDEN  
RECTANGLE – K FACTORS. CIRCLES IN PROGRESSION.

# Cardioid.

A cardioid or one cusp epicycloid is formed by each point of a circle as the circle rolls around a base circle of same size. Rolling circle is shown in thirty six positions.



# Cardioid.

144

A cardioid is the envelope of all circles that are centered on a base circle and pass through a fixed point on that circle.

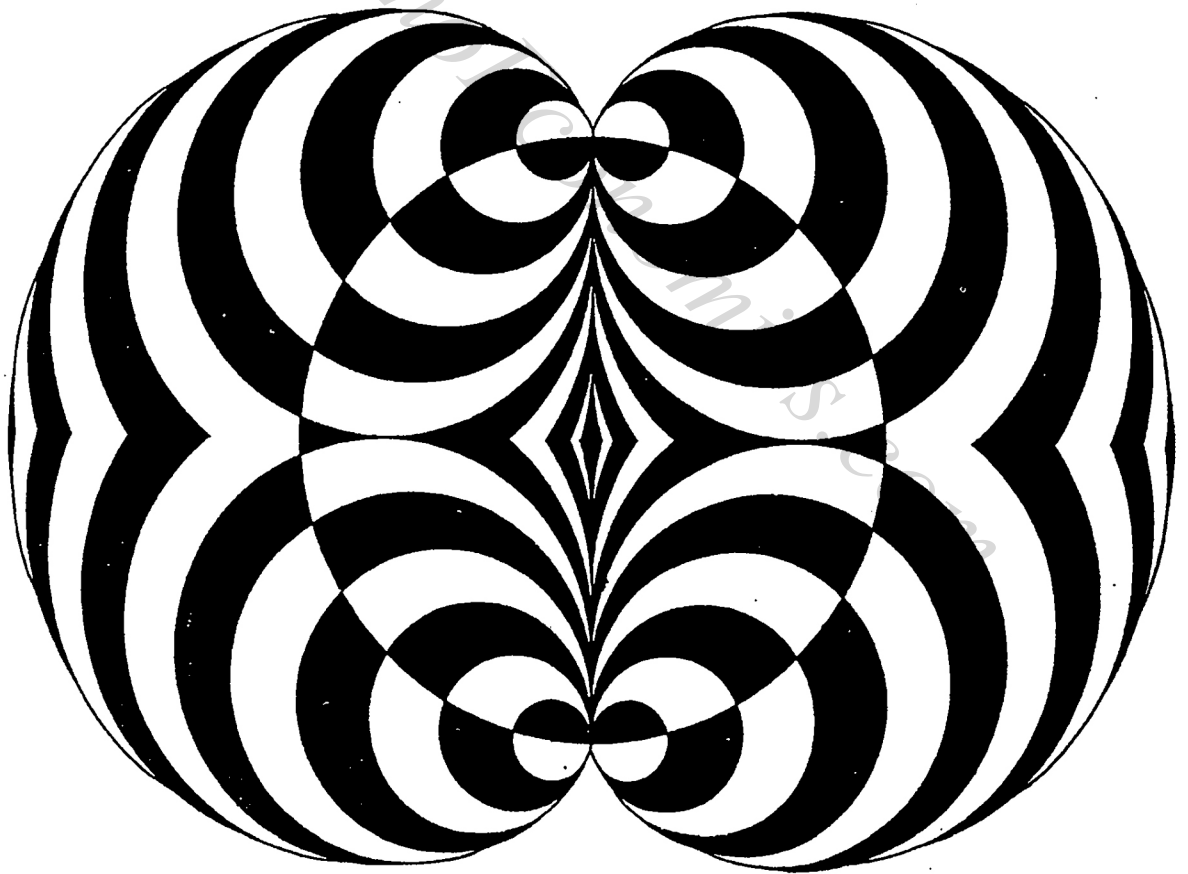
In this drawing the centers of the outer circles divide the base circle into ten degree arcs.



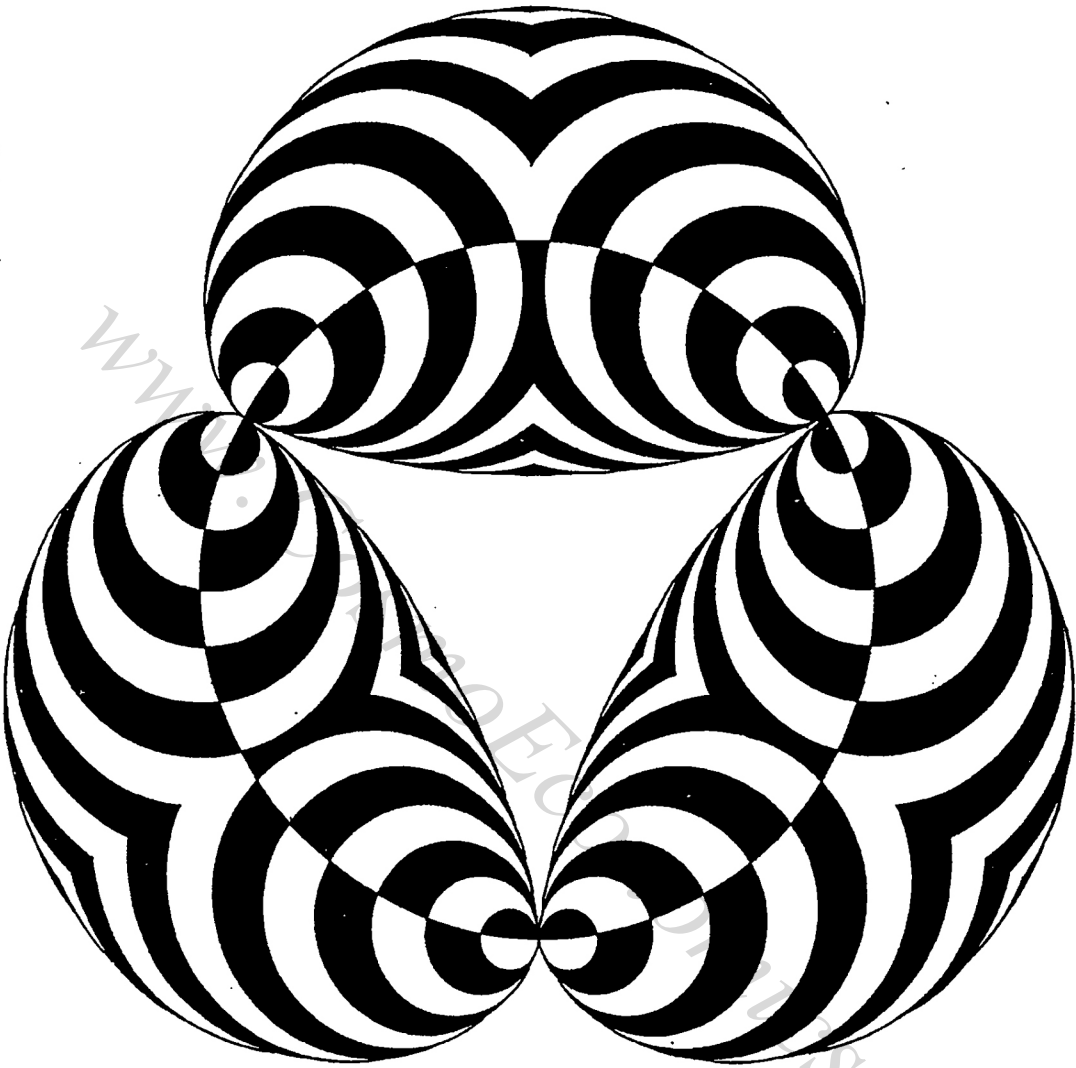
# Nephroid.

A nephroid is the envelope of all circles that are centered on a base circle and are tangent to one diameter of that circle. This curve is a two cusp epicycloid.

In this drawing the centers of the outer circles divide the base circle into forty-eight equal arcs.



146



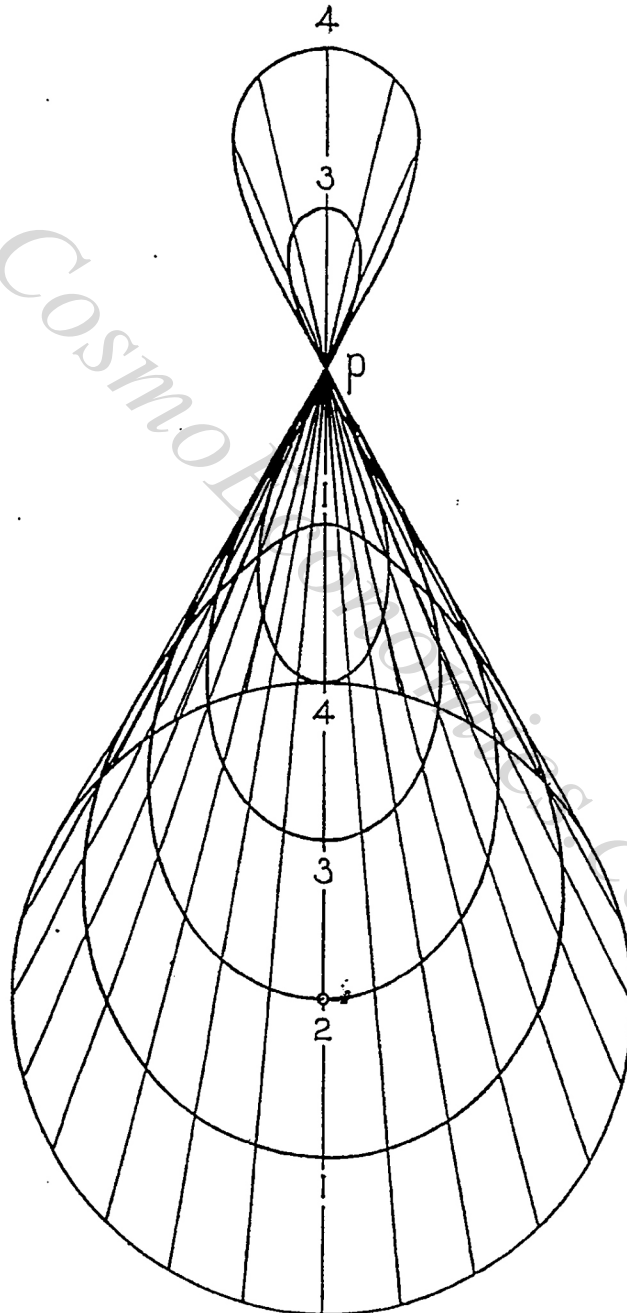
## Cycloidal Envelopes.

The base circle for matching epicycloids and hypocycloids is the locus of the centers of the circles that are tangent to both curves. Either curve is the envelope of such circles tangent to the other curve.

In this drawing the tangent circles are centered on the base circle at  $5^\circ$  intervals.

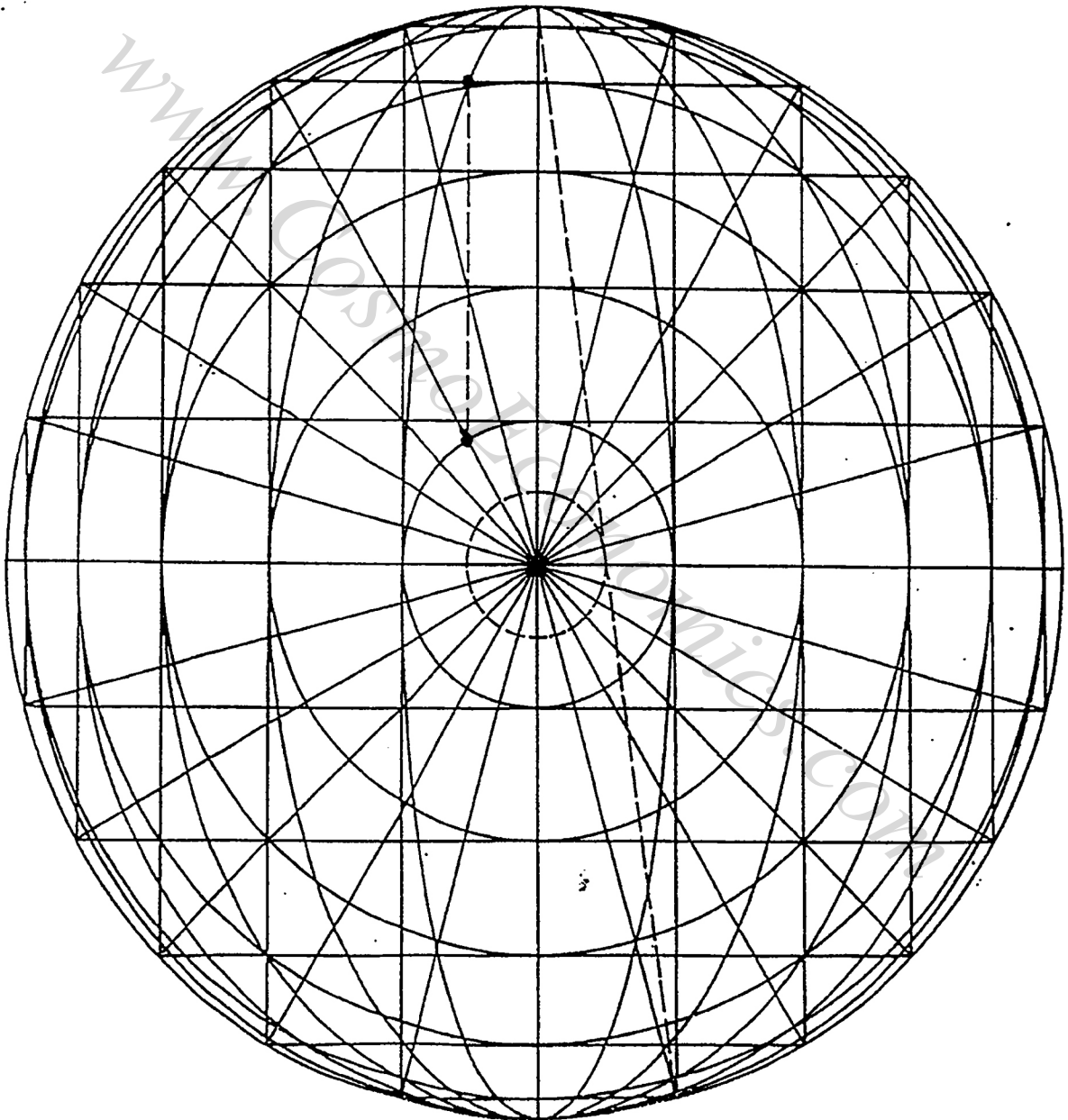
## Conchoidal Transformation of a Circle.

150 When all points of the circle advance at the same rate along their lines through external point p, they will form curves i-1, 2-p, 3-3 and 4-4 at half radius intervals.



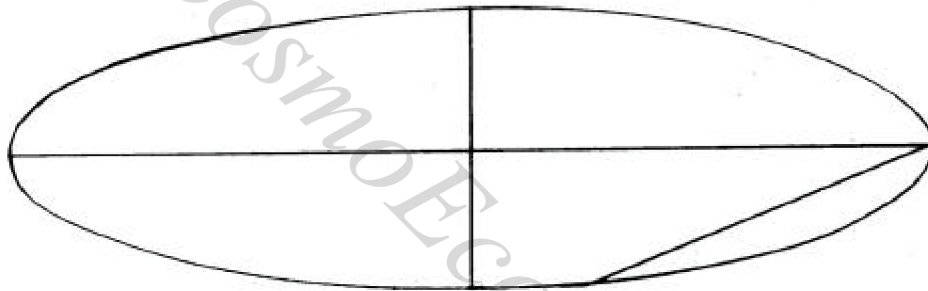
158

## THE EARTH WITH 15° PARALLELS.



# **THE BAYER ELLIPSE MANUAL**

**CONTAINING SELECTIONS FROM  
THE COLLECTED WRITINGS OF  
GEORGE BAYER  
FOCUSING UPON ELLIPSES**



**RESEARCH MANUAL FOR  
THE BAYER & GANN ELLIPSES**

## **TABLE OF CONTENTS**

**WE HAVE COLLECTED ALL REFERENCES TO ELLIPSES, GEOMETRY AND ASTRONOMY FROM THE COLLECTED WORKS OF GEORGE BAYER. EXCERPTS ARE TAKEN FROM THE FOLLOWING TITLES.**

**SECTION 1: GEORGE WOLLSTEN: EXPERT STOCK & GRAIN TRADER.**

**SECTION 2: STOCK & COMMODITY TRADERS HANDBOOK OF TREND DETERMINATION**

**SECTION 3: “MONEY” INVESTING IN STOCKS, TRADING IN COMMODITIES, OR THE TIME FACTORS IN THE STOCK MARKET.**

**SECTION 4: BIBLE INTERPRETATION.**

**SECTION 5: TURNING 400 YEARS OF ASTROLOGY TO PRACTICAL USE.**

**SECTION 6: THE EGG OF COLUMBUS. THE HIDDEN MOVEMENTS IN STOCKS & COMMODITIES MARKETS.**

**SECTION 7: PREVIEWS OF THE MARKETS.**