COMMUNICATION VEHICLES (AFO 103) FALL 1989 TROGU

30 AUGUST 1989

SUBJECT:

PARALLEL INVESTIGATION OF TWO AND THREE-DIMENSIONAL CONCEPTS WITH EMPHASIS ON:

- · PROGRESSION POINT + LINE -> PLANE -> VOLUME
- · INTERNAL EXTERNAL RELATIONSHIP

(CONTENT) (FORM)

· FORMATION RATHER THAN FORM OR:

LIFE

- . ESSENCE VS APPEARANCE
- · FORM GENERATIVE PROCESS STHRIVING TOWARDS FORM DYNAMIC STATIC IN MOTION STILL LIFE DEATH
- · PROJECTS (I WOULD LIKE TO CALL THEM RESEARCH) WILL DEVELOP IN RELATION TO THE PREVIOUS PROJECT AND THE NEXT PROJECT. SPECIFIC THEMES MIGHT BE H INVESTIGATED THROUGOUT THE SEMESTER
- · THE STRUCTURE OF EACH INDIVIDUAL CLASS IS FLEXIBLE TO ADAPT TO LECTURE TIME, CRITIQUES, SLIDES OR FILM SHOWINGS, WORK-IN-CLASS, ETC.

- · COURSE DOCUMENTATION (SKETCHES, NOTES FROM
 LECTURES AND/OR CRITIQUES, PERSONAL OBSERVATIONS, ETC.)
 SHOULD BE KEPT OR COLLECTED IN A NOTEBOOK OR DIARY.
 THESE NOTEBOOKS MUST BE ORGANIZED AND CLEAR AS I WILL
 BE READING THEM.
- · YOU WILL BE EVALUATED ON :
- ATTENDANCE AND PUNCTUALITY
- PROGRESS THROUGH EACH ASSIGNMENT
- PRESENTATION OF EACH ASSIGNMENT
- COMPLETION OF PROJECTS ON TIME
- REVIEW OF NOTEBOOKS
- PROJECTS WILL NOT BE GRADED INDIVIDUALLY

 ONE FINAL GRADE

 LAST CLASS YOU WILL MEET WITH ME INDIVIDUALLY

 TO DISCUSS AND EVALUATE WORK DONE

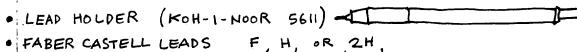
 DURING SEMESTER



COMMUNICATION VEHICLES (AFO 103) FALL 1989

TROGU

REQUIRED TOOLS



- · LEAD POINTER
- SANDPAPER



CHOICE 1

· PENTEL SHARP PENCIL



- · MARS PLASTIC ERASER (STAEDTLER)
- · 45° (DEGREES) TRIANGLE (



· 30%, TRIANGLE



STEEL RULER 18" MINIMUM (T-SQUARE OPTIONAL)

· CIRCULAR PROTRACTOR



- COMPASS (BASIC JET-BOW) DOES NOT EXTEND (JET-BOW) CAN TAKE ATTACHMENTS
- RAPIDOGRAPHS (TWO MINIMUM) 2×0/.30mm KOH-I-NOOR 1/. 50 mm

. 3 OR 4 COLORED PENCILS (HARD POINT) BLUE RED

GREEN

NOTEBOOK (JOURNAL)

YELLOW

GRID PAGES OPTIONAL

· OLFA 18 KNIFE

The same was

- · BLADES 10/PK
- · SCOTCH 810 TAPE (MAGIC)

(INTERIOR - EXTERIOR)

THE INTERIOR IS INFINITE,

ALL THE WAY TO THE MYSTERY OF THE INMOST,

THE CHARGED POINT, A KIND OF SUM TOTAL

OF THE INFINITE (THE CAUSAL).

COMPARISON FROM NATURE: THE SEED.

THE EXTERIOR IS FINITE, I.E. IT IS THE END
OF THE DYNAMIC FORCES,
THE LIMIT OF THEIR EFFECTS,
DICTATED BY THE CAUSAL.
ONE MAY ALSO CALL IT THE VIRTUAL, THE OBJECTIVE.

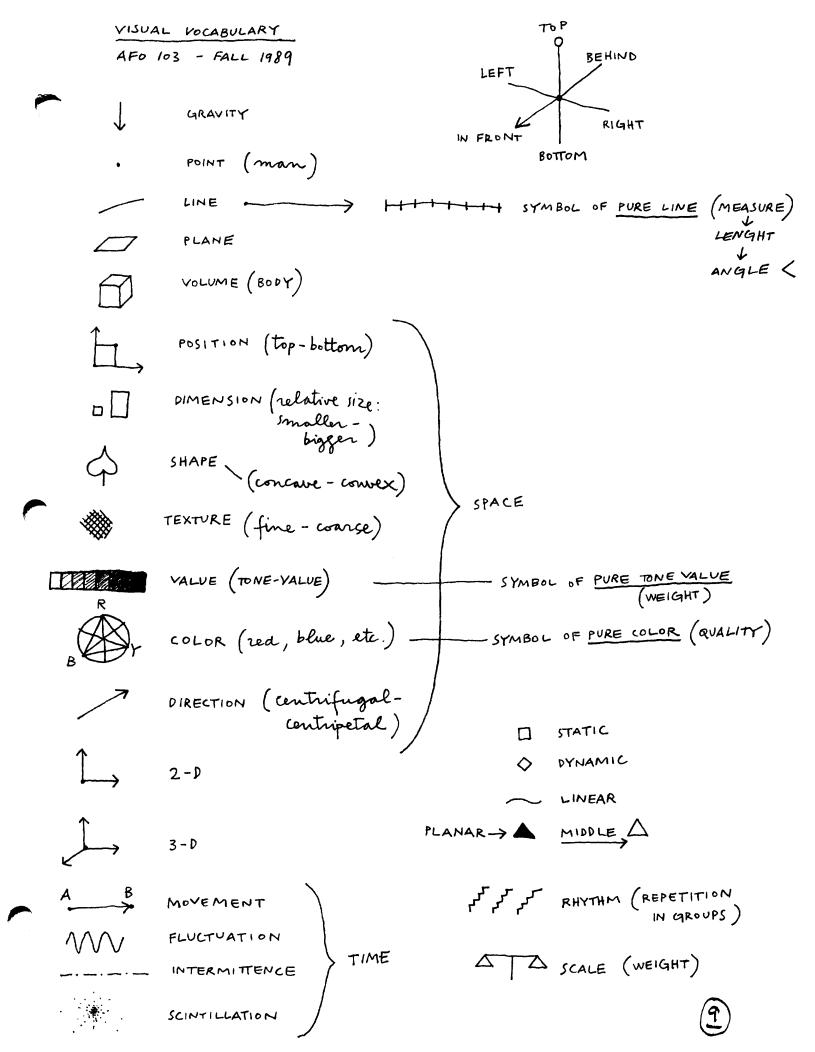
ONE COULD ALSO SAY: EROTIC - LOGICAL, EROS - LOGOS.

(RETROSPECT, 12 NOVEMBER 1926)

FROM :

"THE NATURE OF NATURE" (INFINITE NATURAL HISTORY)
NEW YORK, WITTENBORN, 1973

0	FALL 1989
	TROGU
1	INTRODUCTION TEACHER (WHO AM I ?)
13	INTRODUCTION STUDENTS (STATE)
1.30	DISCUSS STRUCTURE OF COURSE (PRACTICAL) Presentation
2	INTRODUCE TOOLS (SOME DEMONSTRATION) of personal planet
	GENERAL OUTLINE OF CONCEPTS (SILVESTRINI)
	KLEE
	2.30 additional
	(Comments)
3	3 photos, signatures,
	BREAK break 10 min qualities-adjectives
3.15	POWERS OF TEN (FILM \$ BOOK) ONE OF A SERIES * presentation
	3,40 -10 min slicing
3.45	BOOK (POWERS OF TEN) 4.00 - PORTFOLION CONSTRUCTION
	PRIMEDE AF TEN
	PRESENTATION PROJECT (PERSONAL PLANET) - FILMS . VIEW FROM THE
4.30	PEOPLE'S WALL
	AFO 2 · 6 SEPTEMBER 1989



- · PERSONAL PLANET
- · FREE SIGNS, SIGNATURE, SIGNS WITH BOTH HANDS
- · TACTILE EXPERIMENTS

FREE-IMAGE-ASSOCIATION
(WITH SYMBOLIC MEANING -AFTERWARDS)
STELLATED POLYHEDRA

TRIANGLE

- SIMPLE GEOMETRIC CONSTRUCTIONS

 SQUARE

 TOPS

 PENTAGON

 PIN-HOLE CAMERA
- · SYMMETRY
- · PLATONIC SOLIDS
- . PARALLEL PROJECTIONS
- · PERSPECTIVE

GOLDEN SECTION

OPTICAL ILLUSIONS (VISUAL PERCEPTION)

POLARIZED LIGHT

DIRECT PROJECTIONS

BIONICS FILMS ON KLEE MATHEMATICA

LECTURE ON NOTHING (KLEE ON RHYTHM)

- · POWERS OF TEN
- · PLATONIC SOLIDS
- · THINK VIEW FROM THE PEOPLE'S WALL

PAPER FOLDING EXERCISES MOEBIUS BAND

THE MYSTERY OF PICASSO



1 · 30 AUGUST	• POWERS OF TEN • PERSONAL PLANET
2. 6 SEPTEMBER	POWERS OF TEN PERSONAL PLANET VIEW FROM THE PEOPLE WALL
3 . 13 SEPTEMBER	· PLATONIC SOLIDS
4 · 20 SEPTEMBER	• FREE SIGNS, SIGNATURE, SIGNS WITH BOTH HANDS • SIMPLE GEOMETRIC CONSTRUCTIONS
5 · 27 SEPTEMBER	· PARALLEL PROJECTIONS · PERSPECTIVE · SYMMETRY
6 . 4 OCTOBER .	continue work
	contine work
2 · 18 OCTOBER . 8	HYTHM AND SYMPTETRY FILM
· 25 october · Mo	RE WORK ON CUBE

1) . | NOVEMBER 'INTRODUCTION OF SYMMERY GROUPS (MORE WORK ON CUBE)

AXONOMETRIC DRAWING OF SECTION OF CUBE

13. 15 NOVEMBER TEXTURES

1ST 4 SYMMETRY GROUPS
THANKSGIVING WEEK

. 22 NOVEMBER

PORTFOLIO REVIEW

15. 29 NOVEMBER) 16

16 DEC.11

COMMUNICATION VEHICLES (AFO 103)

6 SEPTEMBER 1989

TROGU

ASSIGNMENT FOR WEDNESDAY, 13 SEPTEMBER 1989

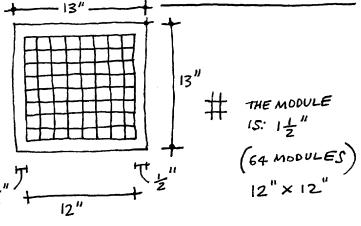
"MAN DISSECTS THE THING AND VISUALIZES ITS
INSIDE WITH THE HELP OF PLANE SECTIONS; THE
CHARACTER OF THE OBJECT IS BUILT UP ACCORDING
TO THE NUMBER AND KIND OF SECTIONS THAT ARE
NEEDED."

BRING TO CLASS:

PAUL KLEE
THE THINKING EYE
N. Y. WITTENBORN, P. 66

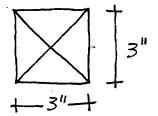
1 SQUARE GRID ON WHITE PAPER (INK)
(SEE SPECIFICATIONS)
PAPER SIZE 13" × 13"

1 SAME GRID ON VELLUM



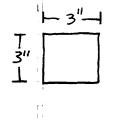
OR POSTER BOARD) PICK DARK COLOR

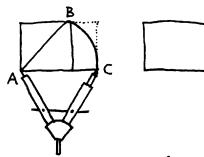
DRAW DIAGONALS AS SHOWN



6 RECTANGLES (SAME MATERIAL BUT LIGHT COLOR)

CONSTRUCTED AS FOLLOWS:





· POINT COMPASS IN A (PIVOT)
· PROJECT B DOWN TO C



DRAW DIAGONALS AND MEDIAN LINES



TO CHECK:

OVERLAP LIGHT COLOR

RECTANGLE ON TOP

OF DARK COLOR SQUARE

DIAGONAL OF SQUARE

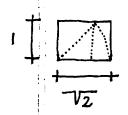
EQUALS BASE OF

RECTANGLE

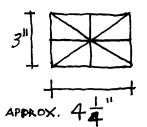


Q

THIS KIND OF RECTANGLE IS SOMETIMES REFERRED TO

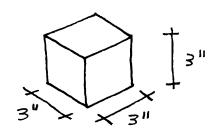


IN OUR CASE, IT BECOMES



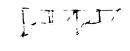
CONSTRUCT FIRST -CHECK/MEASURE AFTER .

. I CUBE (EXACT) OF PLASTILINA





• SKETCHES OF SECTIONS (AT LEAST EIGHT SEPARATE SKETCHES)
BASED ON THIS GRID:



• USE EXISTING LINES AS

GUIDE - LINES







DRAW
WITHOUT
THINKING
(TOO MUCH)

• SKETCHES OF SECTIONS AND/OR PATTERNS (AT LEAST EIGHT

SEPARATE SKETCHES) BASED ON PREVIOUS GRID

BUT DERIVED FROM PERSONAL PLANET QUALITIES/ADJECTIVES.

EXAMPLE :



"CENTERED"



"FUNNY"

- DRAW GRIDS BY HAND

 OR USE GRID PAPER (DON'T

 FORGET YOU CAN USE DIAGONALS)
- · USE HEAVIER MARK FOR SHOWING SECTION OR PATTERN.

COMMUNICATION VEHICLES (AFO 103) FALL 1989 TROGU

6 SEPTEMBER 1989

DEFINITION OF THE SECTION-AND-ROTATION EXERCISE

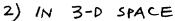
. TO STUDY THE RELATION SHIP BETWEEN TWO-DIMENSIONAL SPACE AND THREE-DIMENSIONAL SPACE

THROUGH :

a) SECTIONS OF BASIC FORMS EXAMPLE:

b) ROTATION AND RE-COMBINATION OF THE PARTS OBTAINED THROUGH SECTIONS:

1) ON THE PLANE







PURPOSE OF THE EXERCISE

- . TO DEVELOP THE KNOWLEGE AND TECHNIQUES OF CREATION OF THREE-DIMENSIONAL CONFIGURATIONS, TAKING AS BASIS THE STRUCTURE OF A REGULAR SOLID (CUBE)
- . TO DEVELOP TECHNIQUES OF SPATIAL COORDINATION
- . TO DEVELOP A KNOWLEDGE FOR CREATING MODULAR AN FORMS
- * TO DEVELOP A SENSE OF DISCOVERY WITHIN ONESELF, TOWARDS THE PRODUCTION OF INVESTIGATIONS, RATHER THAN THE RE-PRODUCTION OF NOTIONS.

COMMUNICATION VEHICLES (AFO 103) FALL 1989

13 SEPTEMBER 1989

TROGU

· EXTRA PERSONAL PLANET PREJENTATIONS

MUST HAVE: · JCOTCH TAPE · KNIFE

· BOARD

ROTATION AND FOLD-OUT SEQUENCE OF HEXAHEDRAL CELL

·GRID+SQUARES

· OVERVIEW OF OPERATIONS (CHAIN EXAMPLES) ALSO: QUICK EXERCISE

WITH TRACING

PLATONIC JOLDS OR POLYHEDRA

PAPER AND ANY

· SECTION OF CUBE

. CONSTRUCTION OF CUBE

SECTION, AS IN:

• ISKETCHES OF VARIOUS COMBINATIONS BASED ON :

ROTATION

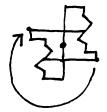
SYMMETRY

REPETITION

RHYTHM

ORIENTATION

RE- COMBINATIONS



· PORT FOLIO CONSTRUCTION

ELABORATION OF SECTION AND PICKING OF FAVORITE SECTION

ASSIGNMENTS (ANY SKETCHES, IF POSSIBLE, SHOULD BE DONE IN NOTEBOOK)

BABORATE VERSIONS ON 13×13 OR LARGER

11-12 GRIP (1 2415 16 x 24 ?)

· SQUARES SECTIONED (12 PARTS) OR VARIOUS, IF DERIVED FROM PERSONAL PLANET

COLOFIFUL

must have picked

end of dor (Brentember 1969)

I MY EXEL O TES O GROWINGEL RAMITHALS

AGO 4 METERINAL CUBE

DEMONSTRATION SEQUENCE

DRAW SECTION

· MARK FIGURES A + B

GRID AS BASIS (KEEP ORIENTATION CONSTANT)

· ERAJE MEDIAN LINE IN 1.VZ

COMMUNICATION VEHICLES (AFO 103) 3 13 SEPTEMBER 1989 FALL 1989 - TROGU DIVIDUAL - INDIVIDUAL THE TWO BASIC REGULAR FORMS (SIDES AND ANGLES ARE ALL THE SAME), CAPABLE OF FILLING THE SPACE COMPLETELY IN THE TWO DIMENSIONS -ON THE PLANE. Q. HOW DO WE ORGANIZE AND ARTICULATE THE SPACE INSIDE ? A. FOR EXAMPLE, BY DIVIDING IT IN SUCCESSIVE HALFS (PRINCIPLE OF CELL REPRODUCTION $\circ \approx \circ \circ$ AND SIMPLEST SECTION OF A SHAPE) ALSO: MODULAR STRUCTURE · DIVISIBLE STRUCTURE DIVIDUAL (DIVIDUAL) STRUCTURES Q. HOW CAN WE OBTAIN A SIMILAR ORGANIZATION? ARE RHYTHMS A. FOR EXAMPLE, BY COMBINING TWO LINEAR REPETMONS MOVING IN TWO DIRECTIONS + **=** ↓ = **■** ALSo: REPETITIVE STRUCTURE (DIVIDUAL) RHYTHMS (VARIED OR EVEN REPETITIONS OF GROUPS) 1,/1// 111111

DEFINITIONS:

DIVISION

REPETITION

STRUCTURE = DIVIDUAL ARTICULATION
DIVIDUAL STRUCTURE = RHYTHM
RHYTHM = REPETITION OF GROUPS

9/13/89

TWO CONCEPTS MEET:

· RHYTHM

and

· DISTINCTION

(KLEE)

BETWEEN DIVIDUAL

AND

INDIVIDUAL

SYMBOL OF DIVIDUALITY

a+a+a+a+a

REPETITION

SYMBOL OF INDIVIDUALITY



NOTHING IS REPEATED

THE QUESTION AS TO WHAT IS DIVIDUAL AND INDIVIDUAL IMPLIES THE EXISTANCE OF A RELATION .

THE DRYANIZATION BECOMES TRULY INDIVIDUAL IN THE FIGURATIVE SENSE WHEN ITS PARTS TAKE ON A CHARACTER BEYOND RHYTHM. " K./1/250

FOR EXAMPLE THE RELATIONSHIP OR DISTINCTION BETWEEN:

divisible unit)

LOWER

HIGHER (indivisible unit)

DIVIDUAL

MAJOR

INDIVIDUAL

MINOR

PASSIVE

ACTIVE

EXAMPLE:

TAIL BODY HEAD CANNOT TAKE ANYTHING AWAY W/OUT ALTERING THE INDIVIDUAL

FINS

SCALES

CAN OMIT ANY STRUCTURAL UNIT WITHOUT MUCH CHANGE

BY CONTRAST:

THE FISH SEEN AS A DIVIDUAL:



COMPARE : LEAF -> TREE -> WOODS -> FOREST USING A MEDIUM PENCIL (#2) OR PEN (BLACK), USING LINE ONLY, NOT "CHIARO-SCURO", DRAW ON YOUR NOTEBOOKS-IF PAGES ARE BIG ENOUGH-OR OTHERWISE ON AT LEAST 8 之 X II WHITE PAPER:

EXAMPLES THAT REFLECT THE DISTINCTION BETWEEN DIVIDUAL AND INDIVIDUAL.

LOOK AT NATURE (IT INCLUDES MAN/WOMAN), AND ARCHITECTURE (BROADLY AS THE BUILT ENVIRONMENT.)

DO SIX QUICK STUDIES BUT PICK AT LEAST 3 SITUATIONS. EX:

DO NOT DO ALL DRAWINGS USING THE HUMAN BODY ONLY OR A HOUSE OR

A TREE; DO SOME BASED ON EACH. (THESE ARE JUST EXAMPLES)

WRITE ON YOUR NOTEBOOK OR NEXT TO THE DRAWING ITSELF WHAT EACH EXAMPLE IS AND IF IT IS ONLY <u>DIVIDUAL</u>, EX:

000000

EVEN FORMATION OF CLOUDS IN SKY?

IF IT IS ONLY INDIVIDUAL, EX:





IF THE TWO ARE CLOSELY RELATED, EX:



SCALES/FISH

REMEMBER: WE ARE NOT LOOKING FOR "PLEASING" DRAWINGS BUT FOR STUDIES OF A CONCEPT. REPRESENT ALSO ACCORDING TO ESSENCE RATHER THAN JUST APPEARANCE. YOU DON'T NECESSARELY HAVE TO COPY OR DRAW FROM SOMETHING, YOU CAN USE CONCEPTS IF THEY ARE APPROPRIATE TO THE EXERCISE, EX: "BLOOD CIRCULATION", OR THINGS THAT ARE NOT ORDINARELY VISIBLE.

DO FOUR INVENTED STUDIES BASED ON SAME DISTINCTION DIVIDUAL - INDIVIDUAL . BEGIDES INVENTING POSSIBLE NEW PLANTS, ANIMALS OR BUILDINGS, HERE YOU CAN ALSO BE COMPLETELY ABSTRACT. WHAT YOU DRAW DOESN'T HAVE TO BE ANYTHING, EXCEPT THAT IT SHOULD REFLECT THE BASIC CONCEPT (DIV.-INDIV.)

9/13/89

EXAMPLE :

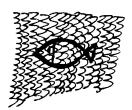


ALSO: REMEMBER THAT YOU CAN

CREATE AN INDIVIDUAL OUT OF

A DIVIDUAL SITUATION, EX:

BRING THE TEN STUDIES
TO CLASS. DISCUSSION WILL FOLLOW.
YOU ARE WELCOME TO DO MORE
THAN 10 IF YOU WISH. THE MIN.
REQUIRED, AGAIN, ARE:



6 - REFERRING OR DEPICTING A KNOWN THING OR SHUATION
4 - INVENTED

ALSO :

BY THE END OF TODAYS CLASS (9/13) YOU SHOULD HAVE

DECIDED ON THE SECTION OF THE SQUARE FOR THE CUBE EXERCISE.

IF TIME PERMITS, PREPARE THE SIX SQUARES AND SECTION

THEM, YOU SHOULD THEN HAVE 12 PARTS (2 GROUPS OF SIX EQUAL PARTS),

OTHERWISE, BRING THE 12 PARTS TO THE 9/20 CLASS ALSO.

BRING EXTRA MATERIAL (PAPER BOARD) FOR THE INTERNAL SURFACE

OF THE CUBE.

ALSO :

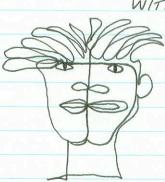
FOR THE 9/20 CLASS, BRING PASTELS FOR VERY-VERY-QUICK SIGN/DRAWING EXERCISES WHICH WE WILL BE DOING IN CLASS ON THE THEME OF RHYTHM. · CONTINUE INTRODUCTION OF RHYTHM (PART 3)
- INDIVIDUAL RHYTHM

- · SMALL PAGE (13 X 13) EXERCISE
 - "STRUCTURAL CHARACTER IS ADDED TO INDIVIDUAL RHYTHM"
 - QUICKLY DRAW INDIVIDUAL SELECTED FROM ASSIGNMENT; ADD STRUCTURAL CHARACTER
 - DO TWO MORE VERSIONS, VARTING N-PART TIME,





- SELF-PORTRAIT ACCORDING TO ESSENCE
 RATHER THAN APPEARANCE
 - MUST BE: INDIVIDUAL RHYTHM
 - MAY INCLUDE: STRUCTURAL CHARACTER
 - MUST BE: PRAWN IN ONE SINGLE LINE, WITHOUT LIFTING THE PENCIL



· REPEAT IF PENCIL

IS UFTED BEFORE FINISH

END OF QUICK DRAWING EXERCISES

TO PARAPHRASE JOHN CAGE:

NOTHING IS ACCOMPLISHED BY DRAWING A SQUARE

" " TOUCHING " "

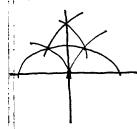
OUR EYES ARE
NOW
IN EXCELLENT CONDITION

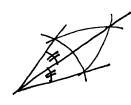
SPIRIT OF THE QUICK DRAWING EXERCISES

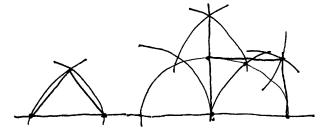
- INDIVIOUAL RHYTHMS CAN ONLY BE REDUCED TO RATIOS
- RHYTHMIC STRUCTURING WITH FLEXIBLE BASE
- · IRREGULAR PROJECTION ON UNEVEN SURFACE
- · IDIVIDUAL INDIVIDUAL SYNTHESIS

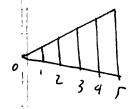
... OUR EYES ARE NOW IN EXCELLENT CONDITION ...

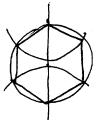
- · PORTFOLIO CONSTRUCTION (USE MODEL AS STENCIL)
- · GEOMETRIC CONSTRUCTIONS











- · MEMO FOR AFO (5) 9/27/89
 - PARALLEL PROJECTION } MODELS

- SYMMETRY (24 GROUPS ON THE PLANE)
- CONTINUATION OF CUBE SECTIONING (INTERNAL SURFACE)
- MEMO FOR AFO 6 10/4/89 * COMBINING LOOSE AND RIGID FORMS INTO ORGANIC WHOLE

0

ASSIGNMENT FOR WED. 27 SEPTEMBER 1989

RIGID AND LOOSE (FLOWING) ARTICULATIONS IN RHYTHMS"
AN INTRODUCTION TO SYMMETRY

- · USING ONLY ONE SQUARE (TWO PARTS) TAKEN FROM THE SIX THAT YOU PREPARED FOR TODAY'S CLASS (09/20/89), CREATE AT LEAST 3 (THREE) DIFFERENT RHYTHMS -FREEL FREE TO DO MORE THAN THREE IF YOU HAVE EXTRATIME.
- · EACH RHYTHM MUST INCLUDE 3 VERSIONS:
- a) SURFACE-RIGID
- b) LINE-RIGID
- c) LINE LOOSE

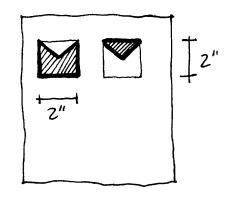
THE COMPLETE ASSIGNMENT
THEREFORE INCLUDES AT LEAST 9 (NINE) STUDIES (ONE STUDY PER PAGE)

- USE 8 1 X 11 PLAIN WHITE OR GRID PAPER (USE LARGER PAPER ONLY IF YOU NEED
- WORKING STUDIES. DO NOT THINK TOO MUCH, YET TRY TO BE PRECISE. SPACE,
- KEEP YOUR SECTIONED SQUARE BESIDE YOU SO THAT YOU CAN MOVE ITS TWO PARTS FREELY. DRAW A SIMILAR SQUARE TWICE ON A SEPARATE SHEET OF PAPER, SQUARE SIZE SHOULD BE 2X2 INCHES. CLEARLY MARK THE TWO DIFFERENT PARTS IN EACH SQUARE.

EXAMPLE:



3×3 SQUARE

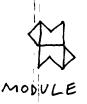


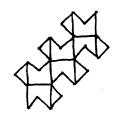
- USE YOUR 3X3 SQUARE TO DETERMINE YOUR BASIC MODULE AND ITS ORIENTATION
- · USE YOUR WHITE OR GRID PAPER
 TO CREATE YOUR RHYTHMS

 (YOU SHOULD BE ABLE TO SEE THE
 FORMS)

 26

- (2)
- AN ALTERNATIVE IS TO CUT A 2"X 2" SQUARE, DIVIDE IT INTO THE TWO PARTS BY CUTTING THROUGH THE ESTABLISHED SECTION, AND THEN USE THE TWO PARTS AS A STENCIL.
- · REMEMBER: ALTHOUGH YOU MIGHT NEED TO DRAW THE GRID IN THE ZXZ SQUARE/S, AND YOU NEED THE TRIANGLES TO DO THIS, IN YOUR STUDIES YOU MUST TAKE INTO CONSIDERATION ONLY THE UNES DERIVED BY THE SIDES AND THE SECTION OF THE SQUARE.
- EXAMPLE OF ONE POSSIBLE RHYTHM AND ITS THREE VERSIONS





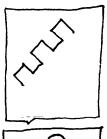
IST VERSION: SURFACE - RIGID

2ND VERSION

LINE - RIGID

REPETITION

VOTE: REPETITION MUST OCCUR A SUFFICIENT NUMBER OF TIMES IN ORDER TO "GET THE RHYTHM GOING"!



S SRD VERSION LINE - LOOSE DO THESE TWO
BY TRACING
OVER THE
FIRST VERSION
(DRAW ONLY
THE RHYTHMIC
LINE)

- FOR "SURFACE-RIGID", USE A COLORED PENCIL TO FILL IN SOME AREAS, LEAVING OTHER AREAS BLANK (ONE AREA CAN INCLUDE MORE THAN JUST TWO PARTS).
- · FOR "LINE-RIGID", THE RHYTHM

 CAN BE DERIVED FROM THE PREVIOUS STUDY BUT YOU CAN USE ANY LINE
 THAT IS PRESENT IN THE COMPOSITION.
- FOR "LINE-LOOSE", THE KHYTHM CAN DERIVE FROM THE PREVIOUS
 TWO STUDIES, BUT AGAIN YOU MAY CHOOSE TO TOUCH OR RELATE TO ANY
 OF THE POINTS IN THE COMPOSITION TO ACHIEVE A "FLOWING REPETITION"
- · THE KEY CONCEPT HERE IS: "REPETITION OF GROUPS".

· REMEMBER, SINCE THERE ARE INFINITE POSSIBILITIES, TO CONSIDER THE FOLLOWING:

* USE ROTATIONS, SIDEWAYS MOVEMENTS, AND FUPS TO CREATE
YOUR BASIC MODULE (ONE POSSIBILITY IS ACTUALLY TO LEAVE
THE SQUARE AS IS), FOR EXAMPLE:



* IN COLORING SURFACE AREAS, YOU CAN COVER AS MANY PARTS AS YOU WANT, AS LONG AS A REPETITION OF GROUPS IS CLEARLY VISIBLE (IN OTHER WORDS, YOU CANNOT COLOR THE WHOLE COMPOSITION COMPLETELY). THE SIMPLEST CHOICE IS TO COLOR ONE OF THE TWO PARTS OF THE SQUARE AND LEAVE THE OTHER BLANK, ALSO ALTERNATING BETWEEN THE TWO. FOR EXAMPLE:



* IN CREATING RIGID RHYTHMS, PARTS OF THE COMPOSITION CAN BE USED AND OTHER PARTS LEFT UNUSED.

THE CHALLENGE WOULD BE TO USE ALL PARTS (LINES)
WITHOUT LIFTING THE PENCIL (DO NOT TRY!)
AGAIN, YOU MUST HAVE REPETITION OF GROUPS. EXAMPLE:

THE SAME GROUP CAN BE REPEATED MANY TIMES.

GROUP

* IN CREATING LOOSE RHYTHMS, THE SAME PRINCIPLES APPLY: USE YOUR IMAGINATION!

• NOTE: THE PARTS IN YOUR STARTING CONFIGURATION MUST BE CONNECTED BY AT LEAST A SEGMENT OF A LINE, A LINE, OR A POINT:



- · ANALYSIS OF THE 9 RHYTHM EXERCISES
- · BRIEF INTRODUCTION OF SYMMETRY AS GROUP STRUCTURE (24)
- CLASSIFICATION OF SYSTEMS OF REPRESENTATION
 - , PERSPECTIVE
 - · OFTHOGONAL PROJECTION
 - · ATONOMETRIC PROJECTION
- · BEGIN WORK ON INTERNAL STRUCTURE OF CUBE
- · ASSIGNMENT FOR OCT. 4, 1989

- · REPAIR CUBE SUCER
- · PERSONAL PLANET SIGNATURES & POLAROID
- · EXTRA PORTFOLIO CONSTRUCTION

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- · CONTINUE WORKING ON SECTION OF CUBE
 - PROJECTION)
 - SECTIONS OF CLAY CUBE

NOT ENOUGH TIME TO SEE EVERYONE'S WORK - POOR CRAFTMANSHIP PROBLEMS: SOLUTION: - SET TIME ASIDE

- START NEW PROJECT (LEAVE, NO, LEAF ANALYSIS)

REFER TO RETINAL - REFINE DRAWINGS (USE LEADS AND RAPIDOGRAPHS) VARIABLES COMMUNICATION VEHICLES (AFO 103) 5

ASSIGNMENT FOR 4 OCTOBER 1989

- · SELECT ONE EXAMPLE FROM THE NINE RHYTHMS WHICH YOU DREW FOR THE PREVIOUS ASSIGNMENT.
- PRETEND THAT YOUR CHOSEN RHYTHM IS A SCHEMATIC (ABSTRACT) REPRESENTATION

 OF AN OBJECT OR PROCESS WHICH IS RELATED TO ONE OF THESE FUNDAMENTAL ELEMENTS:

 EARTH, WATER, AIR, FIRE.
- · RE-ELABORATE YOUR REPRESENTATION BY ADDING, SUBTRACTING, AND SUBSTITUTING ELEMENTS WITHIN THE DRAWING, THAT IS: POINTS, LINES (RIGID OR LOOSE), PLANES OR SURFACES. MODIFY THESE ELEMENTS AS NEEDED.
- . DO AS MANY STUDIES OR STEPS AS YOU NEED TO ARRIVE AT AN OPTIMAL REPRESENTATION.
- . KEEP IN MIND THE ELEMENTS AND MOVEMENTS ON THE PLANE WHICH WE HAVE EXPLORED SO FAR: REPETITION, ROTATION, DIVIDUAL-INDIVIDUAL STRUCTURES, NATURAL AND GEOMETRIC STRUCTURES (GROS), RHYTHMIC ARTICULATION (RIGID AND LOOSE).
- · ONE FINAL DRAWING (PAPER SIZE: 13" X 13" MAX.) IS REQUIRED.
- · BY THE END OF TODAY ! CLASS (9/27) YOU MUST HAVE DECIDED UPON AN OBJECT OF PROCESS WHICH YOU WANT TO REPRESENT. DECIDE/CONSULT WITH ME BEFORE LEAVING.
- " IN ADDITION TO THIS SMALL ASSIGNMENT, THOSE OF YOU WHO HAVEN'T YET COMPLETED SOME OF THE PREVIOUS ASSIGNMENTS, ARE REQUIRED TO DO THEM AS WELL FOR NEXT WEEK (10/4). ALL THE ELEMENTS ON WHICH WE HAVE WORKED SO FAR ARE GOING TO HELP US PROCEED IN THE DEVELOPMENT OF THE CUBE AND OTHER PROJECTS.
- · USE THIS WEEK AS A "CATCH-UP" PERIOD.
- · LIST OF ASSIGNMENTS (INCLUDING TODAY'S)
 - I GRID ON PAPER
 - I GRID ON TRACING PAPER
 - 6 SQUARES
 - 6 RECTANGLES
 - 1 PLASTILINA CUBE (3"x 3"x 3")
 - 16 SKETCHES OF SECTIONS AND PATTERNS WITHIN SQUARE
 - 10 DIVIDUAL INDIVIDUAL DRAWINGS
 - 6 SQUARES WITH CHOSEN SECTION (12 PARTS)
 - 9 RHYTHMS
 - I RE-ELABORATION OF CHOSEN RHYTHM