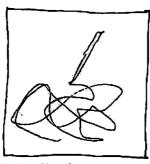
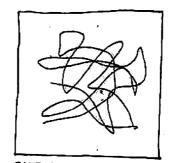


" GO BOUILLI"
MEANS IN FRENCH
A "CRISS CROSSING"
LINE



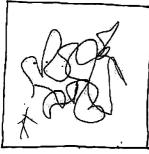
WHICH YOU DRAW ON A SHEET



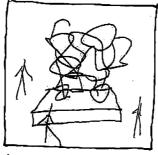
BUT YOU CAN DO A "GRIBOUILLI" IN 3 DIMENSIONS



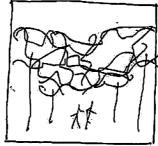
FOR EXAMPLE WITH WIRE



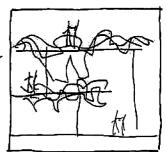
A 3 - DIMENSIONAL GRIBOUILLI



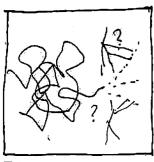
TIME, A SCULPTURE



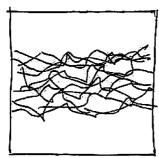
OR AN IRREGULAR SPACE-FRAME STRUCTURE



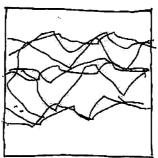
IMPLEMENTABLE IN ARCHITECTURE OR IN ENGINEERING



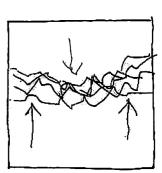
THERE ARE NO RULES HOW TO BO A 3-DIMENSIONAL GRIBOUILLI



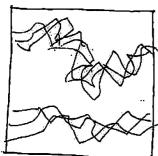
YOU CAN LOOK AT IT AS A MATERIAL MADE WITH FIBRE



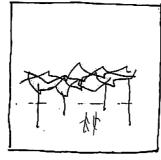
AND THE CONFIGURATIONS OF WHICH



IMPLY ITS



MITH THIS MATERAL ANY SHAPE YOU CAN WAKE



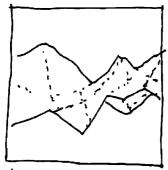
ROOFS



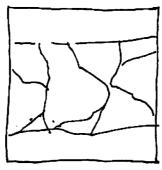
TOWERS



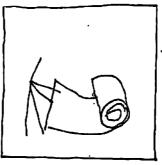
AND EVEN FIGURES



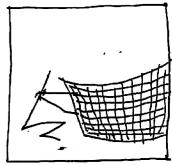
CRUMPLED SHEETS ARE A PLYWORK STRUCTURE



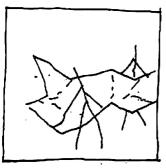
WITH NO REGULAR PATTERN



YOU TAKE SIMPLY A FOIL, OF A MATERIAL THAT KEEPS FORM



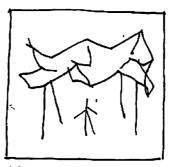
FOR EXAMPLE LIGHT METAL GRID



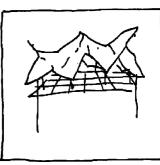
YOU BEND THIS FOIL THE LRUMPLED



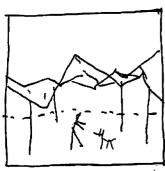
AND CHUMPLE IT DILLEI RESULTING AT YOUR PLEASURE IS A STRUCTURE



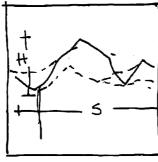
YOU CAN USE AS A SHADE POOF



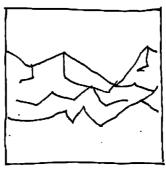
OR AS THE SUPPORT FOR IHE "HOOF SKILL FOR EXAMPLE, HANGING ON IT



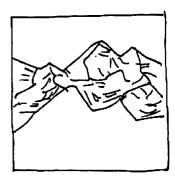
THE SOLIDITY OF THE CRUMPLED SHEET COMES OF ITS HAVE AMPLITUDE:



THE PATTERN SHOULD BE HIGH , FOR EXAMPLE HO 1/25



AND THE WAVES SHOULD NOT BE PARALLEL



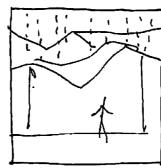
THE SMALL BENDS DISTRIBUTE THE STRESSES



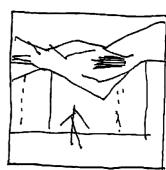
A CRUMPLED SHEET ROOF CAN BE BEAUTIFUL



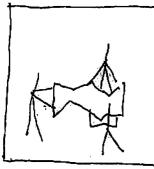
AND STRONG. IT CAN BE EASILY REMODELED WHEN NEEDED



BUT IT CAN NOT SERVE AS ROOF SKIN ITSELF

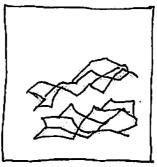


AS IN SPOTS THE RAINWATER WOULD ACCUMULATE

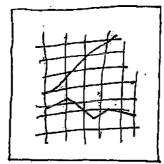


100

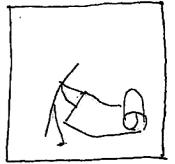
IRREQULAR STRUCTURES CAN BE BUILT EASILY



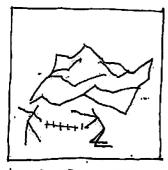
BUT IT IS DIFFICULT TO DRAW THEY ON PAPER



THEY DON'T FOLLOW RULES : TO FORMULATE



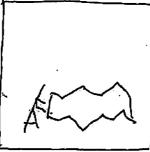
BUT THERE ARE METHODS TO BE APPLIED WHEN BUILDING



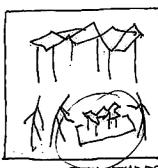
THAT SUCH STRUCTURES DON'T ASK FOR PRECISION



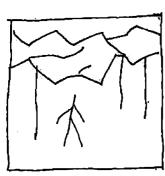
THEY ADMIT CERTAIN
NEGLIGENCE IN
IMPLEMENTATION,
WHAT THE PROFESION
WOULD NOT TOLEDATE



THUS LAYMEN ARE CAPABLE TO IMPLEMENT THEN



THESE STRUCTURES
CAN NOT BE SHOWN
COMPLETELY
EVEN IN MODELS



YOU CAN TEST THEY ONLY IN FULL SCALE



ON THE SITE



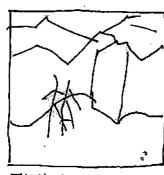
IRREGULAR STRUCTURES ARE OPEN TO IMPROVISATION



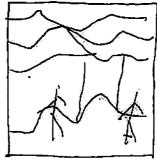
TO CONTINUOUS



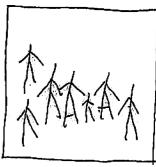
THEY HAVE NO FINAL STATE



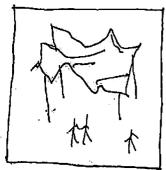
THEY ARE ONGOING PROCESSES



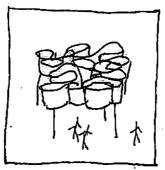
AND OPEN UP A "SOFT" APCHITECTURE



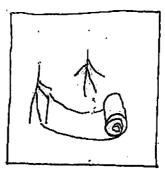
WHICH FITS BEST A "SOFT" SOCIETY



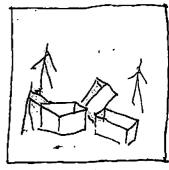
AS IRREQULAR STRUCTURES HAVE TO BE TESTED AT FULL SCALE



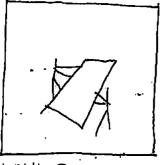
FULL SCALE MODELS CAN BE MADE WITH CARD BOARD



WITH ROLLS



WITH BOXES



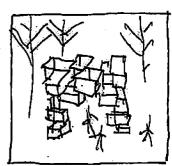
WITH PLATES



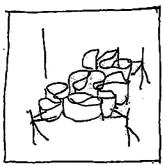
DUMMIES
INDICATE PHYSICAL
QUALITIES OF
SHAPES



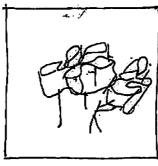
ESTHETIC QUALITIES AND CAN OF THE ARCHITECTURAL USED AS OBJECT TO BE EPHEMER BUILT CONSTRU



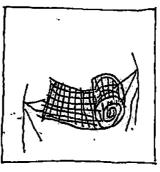
AND CAN EVEN BE USED AS EPHEMEROUS CONSTRUCTIONS



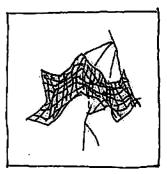
FULL SCALE CARDBOARD MODES



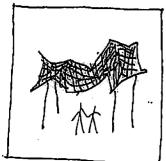
ARE THE MEANS FOR "TRUL AND ERROR"



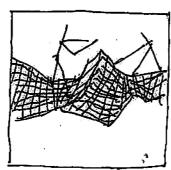
ANDITHER MAILERAL CAN BE USED: LIGHT METAL GRUS



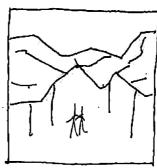
WHICH CAN BE FORMED BY BARE HANDS



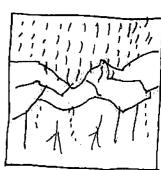
CONSTRUCTIONS MADE WITH METAL GRIAS



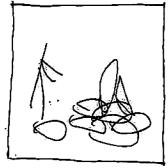
ARE LESS EPHEMERIOUS: THEY KEEP LONGER



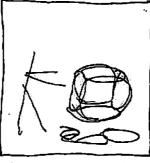
METAL GRID FOILS CAN BE COMENED WITH SOFT PLASTICS



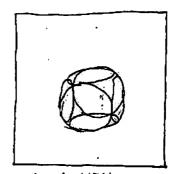
AND ARE ABLE TO BE USED AS OPEN SHETTERS



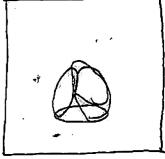
YOU CAN BUILD IRREGULAR STRUCTURES SIMPLY WITH RINGS



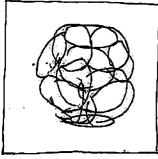
YOU HAVE TO START WITH REGULAR. POLYHEDRA.



FOR EXAMPLE: A CUBE WHEREIN THE RINGS SUBSTITUTE THE SQUARES

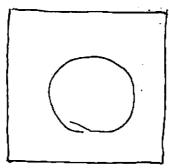


OR A TETRAHEDRON
THE TRIANQUES
OF WHICH
ARE REPRESENTED
BY CERCLES

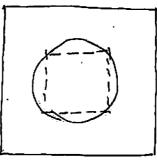


OR A DODECH HEDRON WITH CERCIES FOR ITS PENTAGONS ETC

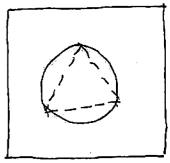
I CALL THIS TECHNIQUE



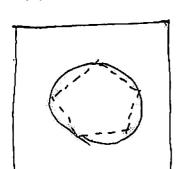
A CERCLE S AN UNDEFINED



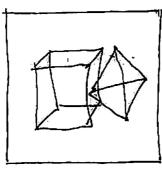
IT CAN STAND FOR A SQUARE



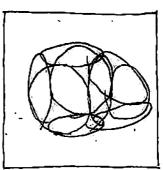
FOR A TRIANGLE



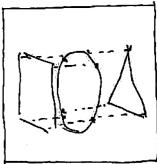
or for a pentagone



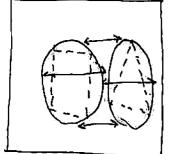
YOU CAN NOT LINK A CUBE TO A TETRAHEDRON (A SQUARE IS NOT A TRUNQUE)



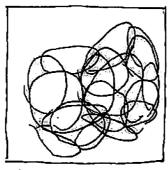
BOT, WITH THE SPACE-CHAIN TEXHNIPL YOU CAN DO IT



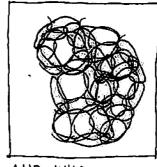
A RING IS A RING' IT CAN BE A SQUARE FROM ONE SIDE AND A TRIANGLE FROM THE OTHER



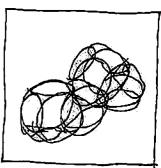
TO ANY OTHER



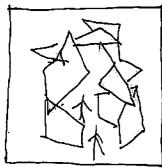
THERE IS NO MORE GEOMETRIC PULE FOR SPACE - CHAINS



AND WILD COMBINATIONS DECOME POSSIBLE



I CALL THESE WILD STRUCTURES "PROTEINIE" ONES



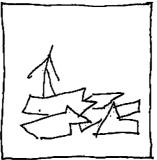
THERE ARE STRUCTURES

LALL "MERZ-STRUCTUREN"

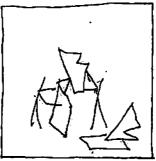
AS A HOMMAGE

TO THE "MERZEAU" OF

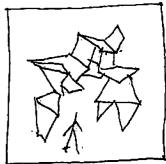
KURT SCHILLITEAS



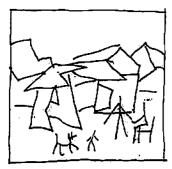
THEY ARE CONSTRUCTED FROM ODD PIECES OF ANY MATERIAL : YOUGH, METAL , THISS, CLRUBOARD OR PLASTICS



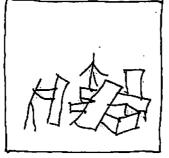
WHICH ARE ASSEMBLED IN WHATEVER WAY THEY CAN FIT



PROVIDED THAT THE STRUCTURE KEEPS UP STANDING



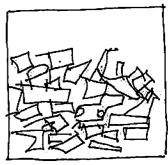
OBVIOUSLY, SUCH STRUCTURES CHARACTERIZE, FIRST OF ALL THE SHANTYTOWNS



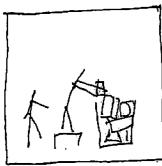
WHERE PEOPLE HAVE TO USE, FOR THEIR HOMES, WHATEVER THEY FIND



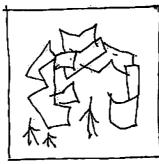
IN OUR INDUSTRIAL CIVILISATION THE PRODUCT PRODUCED IN THE LARGEST QUANTITY, IS REFUSE, IS INDUSTRIAL FALLOUT



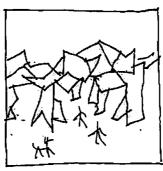
IT IS THE PICHEST RAWMATERIAL OF DUR EPOCH.



WHATEVER YOU WART TO BUILD YOU CAN FIND MATERIAL FOR IN THE DUSTRING



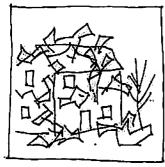
IT IS THE MOST PHANTASTIC SHAPES YOU CAN BUILD WITH



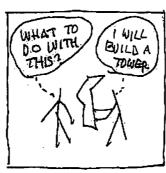
SHELTERS



MONUMENTS



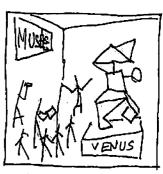
OR SIMPLY EMBELLISHMENTS



YOU CANNOT PLAN, ONLY IMPROVISE

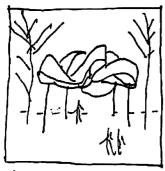


RANDOM COLLECTIONS OF THINGS ASSEMBLED FOR A SPECIFIC COLL

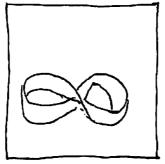


IS A WAY TO DEFINE WATEVED

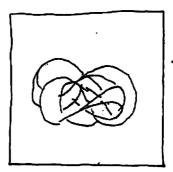
MOEBIAN STRUCTURES



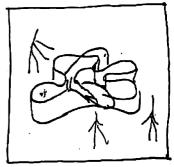
A PARTICULAR KIND OF LAMELLAR STRUCTURES MADE WITH RIBBONS



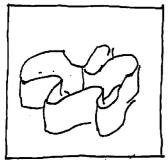
ARE BASED ON THE "MOEBIUS" BAND:



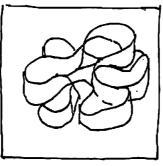
BASED ON THE "MOEBIAN STRUCTURES"



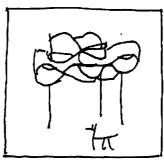
THESE STRUCTURES START WITH BAND CONFIGURATIONS, LIKE OTHER LAMEULARS



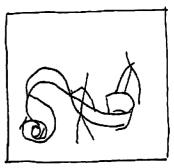
BUT HERE, BESIDE MAKING SIMPLE LOOPS



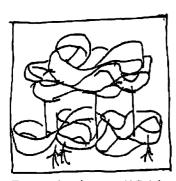
YOU HAVE TO TWIST THE RIBBON PERIODICALLY



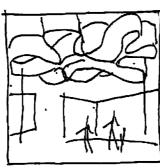
MOEBIAN STRUCTURES ARE NOT MORE SOLID THAN OTHER LAMELLARS



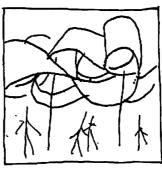
NEITHER MORE EASY TO BUILD



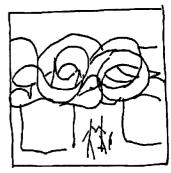
BUT THEIR ESTHETIC VOCABULARY IS FAR MORE RICH



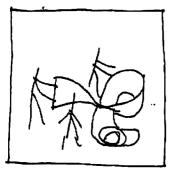
THEY SCATTER LIGHT INCIDE



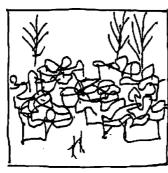
AND PRODUCE SPACES UNHEARD OF



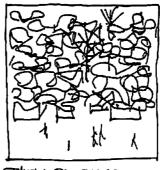
THEY ARE THE MOST BAROQUE STRUCTURES EVER MADE IN ARCHITECTURE



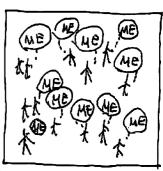
IT IS THEREFORE THAT THEY SERVE INDIVIDUALISM



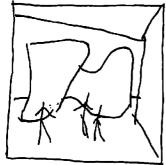
BUT A VERY LARGE LUMBER OF THEM REDUCES THIS EFFECT



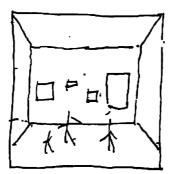
THEY PRODUCE (LIKE ALL BARDOUE) MONOTONY



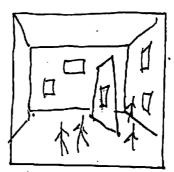
"MASS-INDIVIDUALISM" IS A BARDQUE PHENOMENON



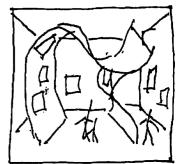
IRREGULAR STRUCTURES
CAN COMPLETELY
TRANSFORM SPACES
WITHIN EXISTING
BUILDINGE



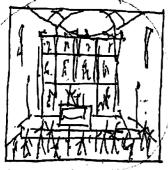
FOR EXAMPLE AN EXHIBITION ROOM



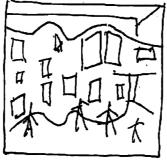
WHERE EXHIBITS
ARE PRESENTED
ON THE WALLS
OR ON VERTICAL PANES



WOULD CHLINGE COMPLETELY IF THE PRESENTATION SCREENS WOULD BE RESHATED



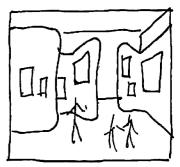
L CALL SUCH SCREENS
"IKONDSTASES"
AS THEY ARE CALLED
IN ORTHODOX CHURCHES



WE CAN PRODUCE EASILY IKONOSTASES OF ANY SHAPE:



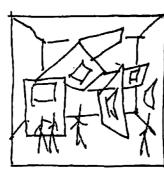
CRUMPLED ONES,



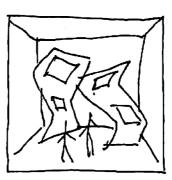
LAMECLARE ONES,



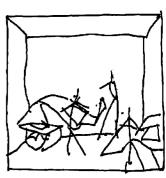
MOEBIANS



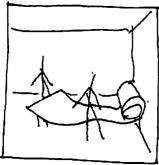
OR MERZIANS.



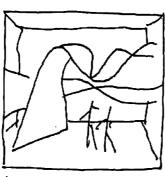
MAINLY VERTICALS



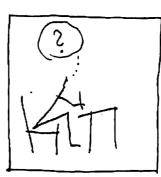
OR MAINLY HORIZONTAL.



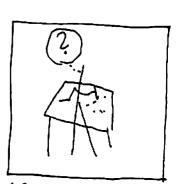
THE TECHNIQUES
ARE THE SAME
AS FOR ALL IRREQULAR
STRUCTURES



BUT THE EMOTIONAL EFFECT OF SUCH SPACES

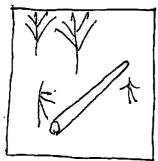


IS DIFFICULT TO DESCRIBE

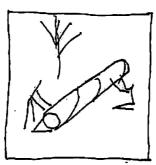


OR TO DRAW

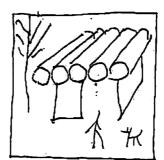
TUBLIAR STRUCTURES



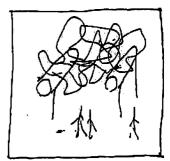
WITH CARDBOARD. YOU CAN MAKE TUBES OF ANY DESIDED LENGTH



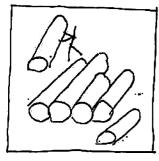
BY ROLLING THE SHEET DIAGONALLY



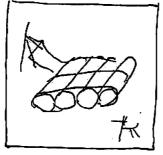
SUCH TUBES, ASSEMBLED, CAN FORM A ROOF SLAB



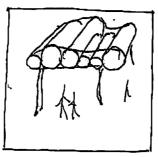
THEY CAN SERVE ALSO AS A GIRDER FOR LIGHTWEIGHT ROOFS



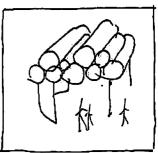
TURULAR ROOF SLASS ARE EASY TO ASSEMBLE



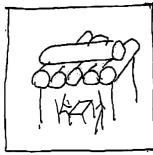
WRAPPING THE STAB WITH TRANSPARENT PLASTIC FOILS TO MAKE THE SLAB WATERTIGHT



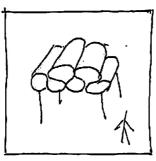
IT IS NOT NECESSARY
THAT ALL THE TUBES
BE OF THE SAME
DIAMETER
OR OF THE SAME LENGTH



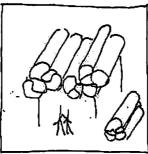
THE TUBES CAN BE DISPOSED ALSO IN SEVERAL LAYERS



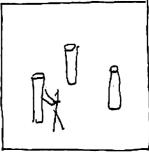
THE SLAB CAN BE BRACED WITH A TUBULAR TIER



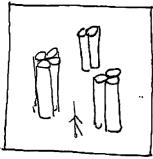
TUBULAR ROOFS ARE A SORT OF LAMELLAR STRUCTURES



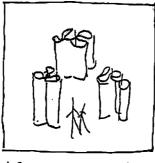
THUS THE TUBES ARE NOT NECESARILY CLACULAIA BUT OF A LAMELAR SECTION



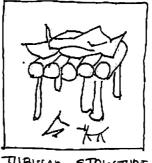
THEY CAN SERVE OBVIOUSLY ALSO AS PILLARS



a bundle of Tubes



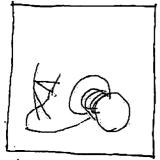
OR A LAMELLAR
TURE
AND ALLANG



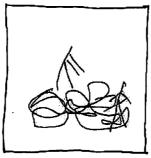
TUBLIAR STRUCTURES COMBINE WELL WITH OTHER KINDS



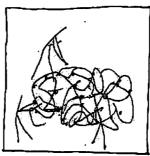
COMPLETING THE "FAMILY"



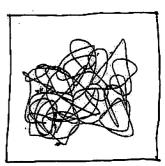
YOU SHOULD TAKE A ROLL OF THICK WIRE



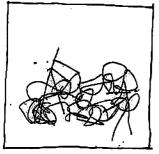
AND ENTANGLE IT



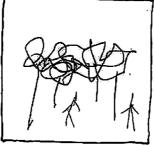
FASTEN
THE CROSSINGS
OLF. THE TANGLED
WIRE



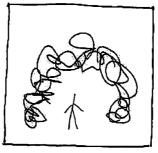
MAKE IT AS CAPRICIOUS AS YOU CAN



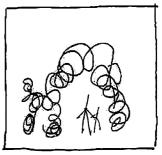
THE TANGLED WIRE FORMS THUS A SORT OF A SLAB



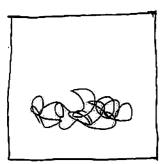
WHAT YOU CAN USE AS A FLAT ROOF SUPPORTING STRUCTURE



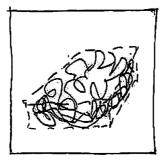
YOU CAN AS WELL BEND THE TANGLED WIRE SLAB AND HAVE A YOUT



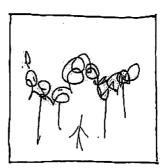
OR ANY OTHER SHELL STRUCTURE



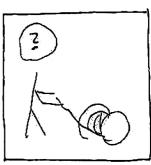
THE TANGLED WIRE STRUCTURE



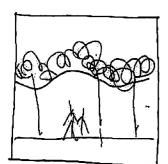
BEHAVES LIKE A THICK SHEET OF "MACRO-MATERAL"



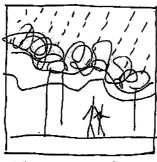
YOU CAN MAKE EVEN CRUMPLED STRUCTURES OUT OF IT



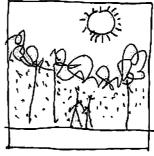
IT IS THE MOST IMPROVISED STRUCTURE WE CAN IMAGINE



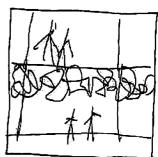
SUPPORTING SOFT PLASTIC. FOIL



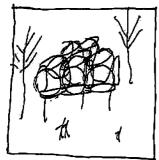
AS A ROOF,



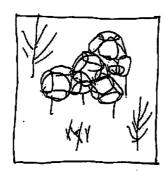
A SUN-SHADE



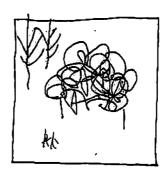
OR EVEN AS A FLOOR



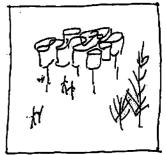
MOST IRREQULAR STRUCTURES ARE OF THE SKELETON TYPE: SPACE - CHAINS



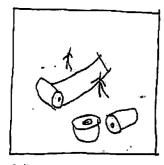
PROTEINIC CHAINS



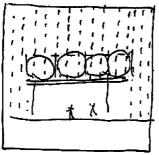
TRIBOUILLI



AND EVEN IN A CEPTUN WAY LAMELAR STRUCTURES

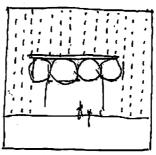


THEY ALL NEED A "ROOF-SKIN" FOR BEING USED PRACTICALLY

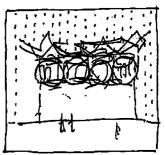


THE "POOF - SKIN"

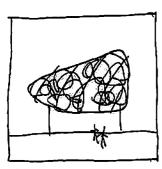
CAN BE SUSPENDED



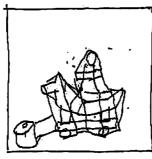
OR THE SKLETON CAN BEAR IT AT THE TOP



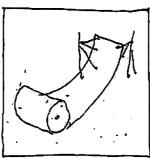
IN FORM OF CRUMPLED SHEET OR OTHER



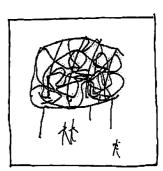
ANOTHER WAY TO TRANSFORM A SKELETON INTO ROOF IS "PACKING"



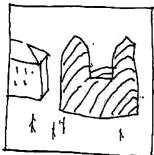
"PACKING" MEANS ENVELOPING AN OBJECT WITH A POIL



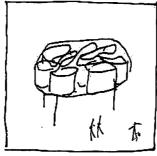
THE BEST WAY TO "PACK" A SKELETON IS TO USE TRANSPARED SOFT PLASTK FOIL



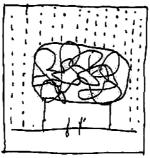
WRAPPED AROUND THE SKELETON



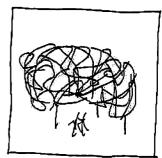
A WELL KNIWN ARTIST. CRISTO, "PACKED" EXISTING MONUMENTO AS A SORT OF ART



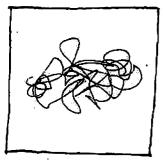
WE ARE "PACKING" SKELETCON STRUCTORS TO MAKE THEM



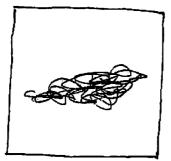
WATERTIGHT



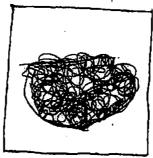
4ND FOR MAKING THEM MORE BEAUTIFUL



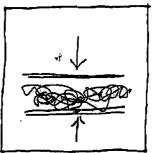
A PARTICULAR KIND OF THE "GNBOUILLI"



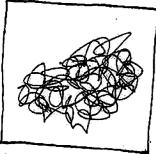
IS WHAT I CALL A "METAL-FELT"



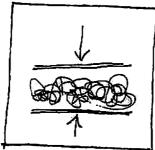
"FELT" IS THE NAME OF A TISSUE



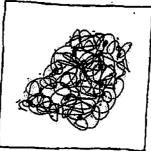
WHAT YOU CAN DOBTAIN BY PRESSING ENTANGLED WOOL INTO A SHEET



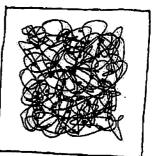
65 THE "GRIBDUILL" IS NOTHING ELSE THAN ENTANGLED WIRE



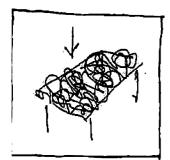
YOU CAN PRESS THAT TANGLE INTO A SHEET



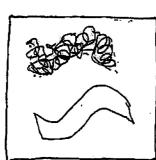
YOU SHOULD FLK THE TANGLED WIRE IN MANY SPOTS:



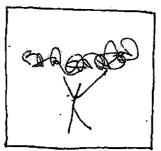
THE RESULT WILL BE AN IRREGULAR FRID



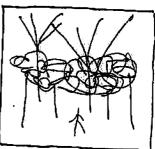
THIS " METAL - FELT" WILL BE FLAT AND VERY RESTAUT



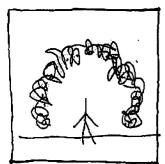
YOU AN USE IT AS YOU WOULD DO WITH A FULL METAL SHEET : BEND IT, STRESS IT : ETC



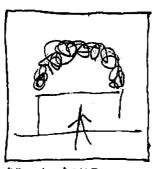
IT HAS THE ADVANTAGE AND COBVIOUSLY) TO BE VERY LIGHT -AND SOUD



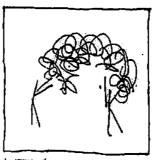
TRANSPARENT



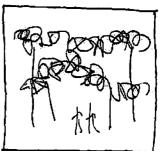
BUILDING A SHELL OF WHATEVER SHAPE



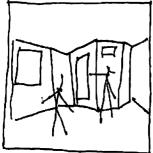
OR A DOUB



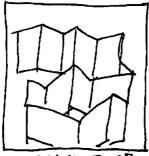
WITH "METAL FELT" IS EAGY TO D



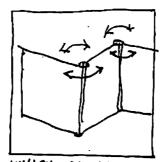
AND THE RESULT IS SURE TO BE BEAUTIFUL



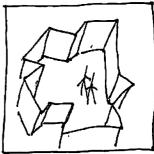
THE SIMPLEST IRREGULAR STRUCTURE CALLED "PANEL - CHAIN"



A PUBBON MADE WITH PANELS OP VARIOUS SIZES



WHICH ARE LINKED TOGETHER WITH ELASTIC JOINTS



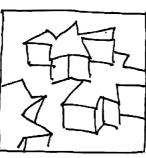
THUS THEY CAN BE ALSPOSED ALONG ANY OUTLINE YOU WISH



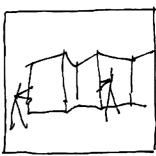
THE PANELS OF A PANEL-CHAIN ARE NOT NELESTABLY STRONG ENOUGH TO SUPPORT A ROOF



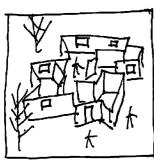
PANEL CHAIN Serves to Define AN ENCLOSURE



WITHIN A LARGE SKELETON LIKE THE "VILLE SPATIALE"



IT IS LIKE A FOLDING SCREEN



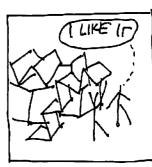
WHICH PERMITS TO INSTALL YOUR FLOOR PLAN



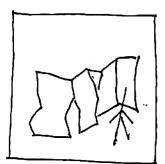
AND TO MODIFY IT WHEN EVER DESIRED



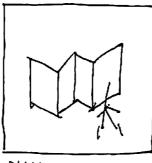
THERE ARE NO RULES EXCEPT THOSE OF HOW TO PUT THE PANEL-CHAIN



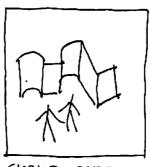
YOUR PREFERENCE



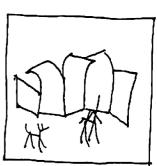
obviously, the panes of the chain CAN BE OF ANY KINDS



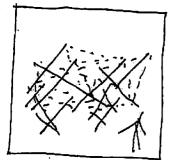
PLAN ONES,



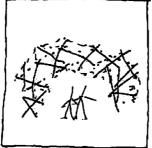
CURVED ONES



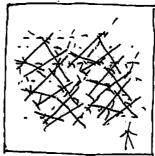
OR WHATEVER YOU WANT



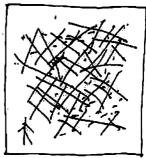
TENSEGRITY
STRUCTURES WERE
FIRST PUBLISHED
-AS I KNOWBY BUCKY FULLER



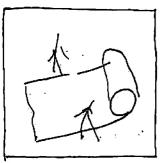
MANY RESEARCHERS WERE DEVELOPING FURTHER THAT IDEA



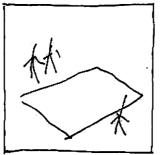
ALL THOSE STUDIES WERE BASED ON STRICT GEOMETRY



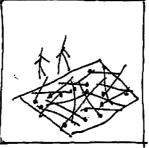
BIT IRREGULAR TENCEGNITIES CAN BE PRODUCED



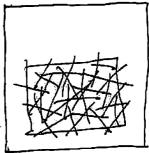
FOR IRREGULAR
TENSEGRITIES
MEMBRANES ARE
USED INSTEAD
OF ROPES



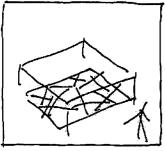
STRETCH OUT A SHEET OF SOFT PLASTIC FOIL



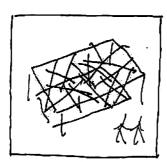
FIX THE PRESURE
RODS (I CALL THEM
TENSORS)
ON THAT SHEET
BY ONE OF THEIR
EXTREMITIES



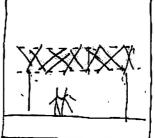
IN A CRISS-CROSS OLDER YOU LIKE



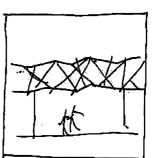
STRETCH A SECOND SHEET AT SOME HEIGHTH ABOVE THE BOTTOM ONE



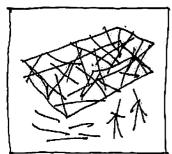
AND FIX THE FREE EXTREMITY OF THE TENSORS TO THE UPPER SHEET



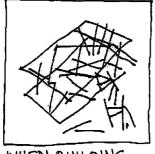
You get thus a Structure With the rods Taking the Pressure



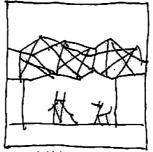
AND THE SHEETS
THE TENSION
SERVING IN THE
SAME TIME
TO ROOF-SKIN



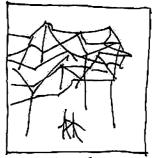
THE PATTERN OF THE RODS CAN BE



WHEN BUILDING YOU WILL SEE WHERE

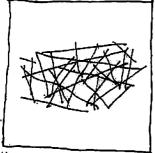


FANCY STRUCTURE

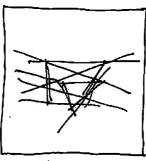


ON THE SITE

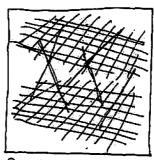
PSEUDO - TENSEGRITY



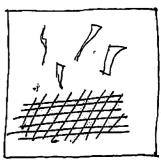
"TENSEGRITY"
MEANS A STRUCTURE
OF TENSION AND
COMPRESSION
MEMBERS



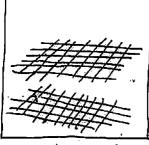
USUALLY IT BYADE WITH ROPES AND WITH RODS



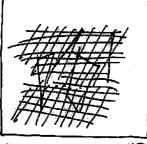
BOT IT CAN BE MADE ALSO WITH SOFT GROS AND STIFF COMPRESSION ELEMENTS



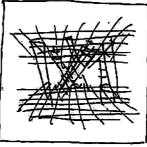
THUS GRIDS SUBSTITUTE
THE ROPES
AND THE RODS CAN BE
OF ANY SHAPE



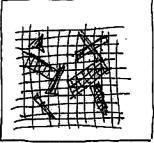
COMPOSITION OF A PSEUDO-TENSEARITY STARTS WITH TWO LAYERS OF GRIDS



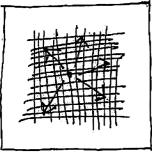
SPANNED WITH THE COMPRESSION MEMBERS



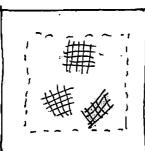
KEPT IN THEIR PLKE BY SMALLER PIECES OF GRID



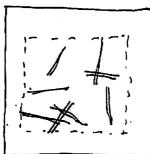
A PSEUDO-TENSEGRITY DOES NOT FOLLOW STRICT GEOMETRIC ORDER



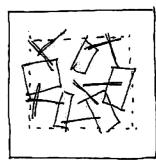
AS A GRID OPPOSITE TO A ROPE-NET DOES NOT IMPOSE PRIVILEGED AXES



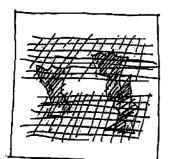
THUS ... BOTH THE TENSION MEMBERS



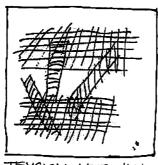
: AND THOSE FOR COMPRESSION



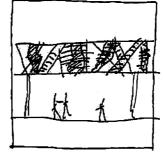
CAN BE DISTRIBUTED IRREGULARLY



compression Members of any Shape



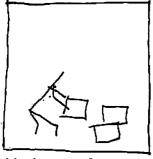
TENSION NETS 40MG ANY PATTERM



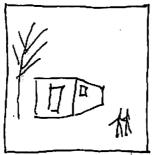
MAKE SUCH A STRUCTURE



INTO A SORT OF ARTIFICIAL JUNGLE



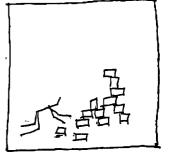
YOU CAN BUILD IRAEQUIAR STRUCTURB ALSO WITH REGULAR ELEMENTS



FOR EXAMPLE WITH CONTAINERS



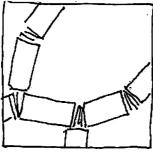
CONTAINERS CAN BE STOCKED IN HEAPS



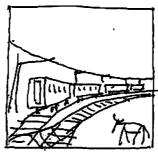
YOU CAN BUILD WITH THEM CONFIGURATIONS LIKE WITH CHILDREN'S BUILDING BLOCKS



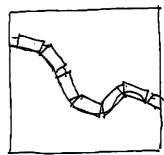
ONE INTERESTING CONFIGURATION IS WHAT I CALL THE "TRAIN"



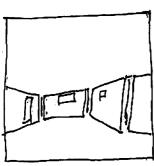
IT IS A LINEAR DISPOSITION OF CONTAINERS LINKED THROUGH SOFT CORRIDORS



LIKE THE WASONS OF A TRAIN



SUCH A"TRAIN" CAN FOLLOW COMPLICATED CURBS



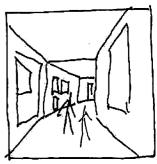
IN ONE LEVEL



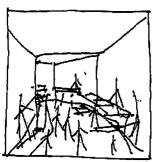
OR IN LOOPS AT SEVERAL LEVELS



THERE ARE, IN ARCHITECTURE, tasks implying LINEAR LAYOUT



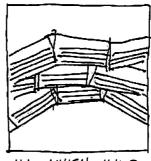
FOR EXAMPLE, EXHIBITIONS



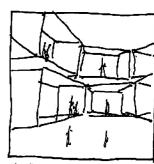
BAZARS,



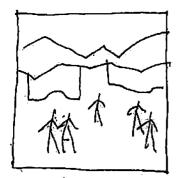
EVEN TRIBUNES



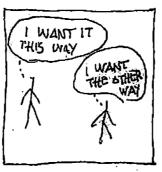
ALL WHICH HAVE NOT TO BE DISPOSED REQUIABLY



AND CAN BE DESIGNED AS TRAINS



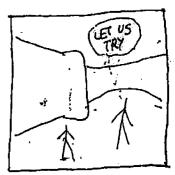
IMPLICATIONS IN ARCHITECTURE FOR A SOFT SOCIETY



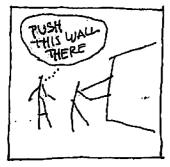
CONCERN, FIRST WHO MAKES WHAT DECISIONS



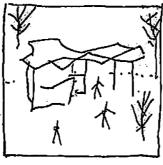
MORALLY IT IS CLEAR: IT HAS TO BE THE INHABITART THE IS MORE DIFFICULT



HIS NATURAL METHOD IS TRUL AND ERPOR " WHAT IMPLIES ULTERIOR CORRECTIONS



CORRECTIONS DEMAND TECHNICAL #ACILITY FOR THE LAYMAN TO PERFORM.



"TRIAL AND ERROR" is possible only in full scale only on the site IT IS NODE THAN A GAME



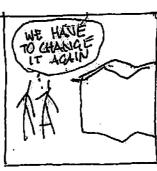
CORRECTIONS ARE, IN MOST CASES, IMPROVISED



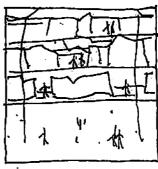
(LIKE EVERYTHING IN LITE)



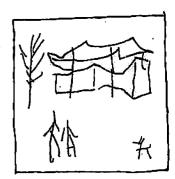
IRREGULAR STRUCTURES ARE THUS MOST APPADPLIATE



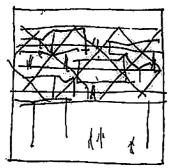
TO CONTINUO US CORRECTIONS



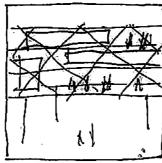
EITHER SPOTVISE IN A COLLECTIVE FRAMEWORK



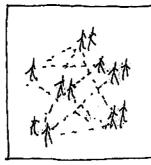
OR IN ISOLATED INDIVIDUAL HOMES



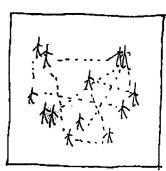
MOBILE ARCHITECTURE IMPLIES IRREGULAR Pandon dispositions:



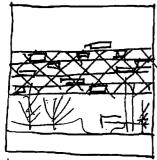
THE ARCHITECTORAL OBJECT CHANGES WITH THE INHABITANTS BUT A PROCESS LIFE PATTERN



SOCIETY IS NOT A MECHANISM



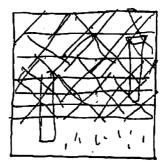
WITH NO FINAL STATE



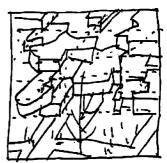
LAST, BUT NOT LEAST, I GET BACK TO MY FAVORITE IDEA: THE "VILLE SPATIALE"



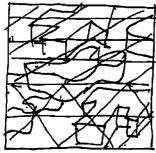
IT MEANS A PARTICULAR MIXTURE OF RULES AND IREGULARITY



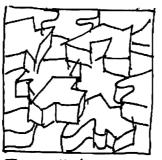
THE "VILLE SPATIALE" CONSISTS OF A MORE OR LESS REQUIAR-RIGID SUPPORTING PRID THE "INFRASTRUCTURE"



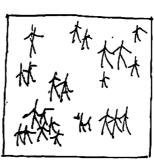
WITHIN WHICH INDIVIDUAL HOMES ARE INSERTED FORMING AN IRREGULAR PATTERN



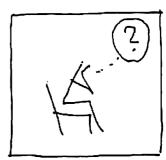
AS FOR THE SHAPE OF THOSE INDIVIDUAL HOMES ANYTHING GOES



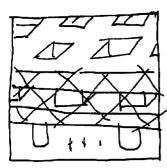
THUS THE "VILLE SPATIAL" IS A "MERZSTRUKTOR" AT URBAN SCALE FOR A MASS-SOCIETY CONSISTING OF



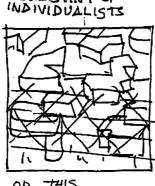
THIS IS OUR SOCIETY TODAY: A CROWD



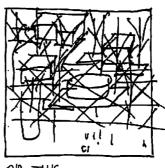
I DO NOT KNOW HOW A"VILLE SPATIALE WILL LOOK



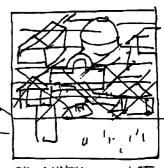
IT CAN BE THIS



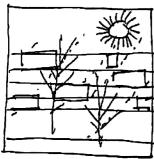
OR THIS



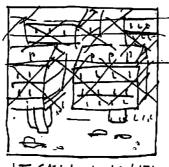
OR THIS



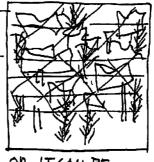
OR ANYTHING ELSE



THERE IS NO GRAMAR TO THE "VILLE SPATIALL EXCEPT RESPECT



IT CAN LOOK AS WELL AS THE CITY YOU LIVE IN

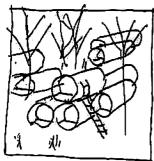


OR IT CAN BE COMPLETELY UNLIKE TO ASK CITY

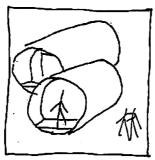


IT CAN NOT BE PLANNED IT CAN ONLY HAPPEN

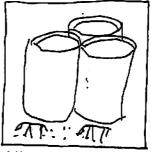
CYLINDERS



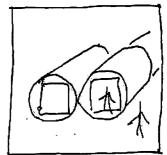
ANOTHER IRREGULAR ARRANGEMENT OF REGULAR CONPONENTS



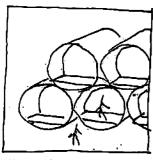
CATINDAIC COLUMBER



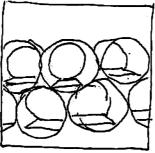
CYLINDERS ARE USED IN FARMING AS SILOS



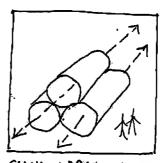
FOR STOCKAGE, FOR PASSAGES ETC.



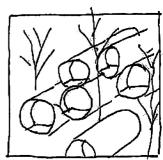
CYLINDERS CAN BE RANGED ATTSEVEDAL LEVELS



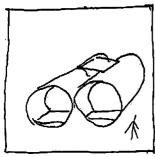
FORMING THUS MULTISTOREY SHELTERS



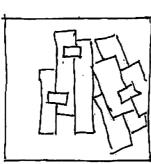
SUCH ARRANGEMENTS FOLLOW DEFINITE AXES THIS IS A CONSTRAINT



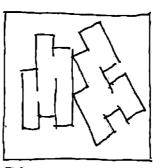
BUT SHIFTING THE CYLINDERS ACCORDING THESE AXES STAYS FREE



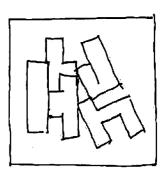
IT IS TECHNICALLY NOT TOO COMPLICATED TO LINK CONTIGUOUS CYLINDERS



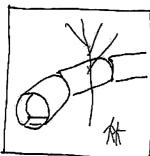
SHIFTING AND LINKING CYLINDERS



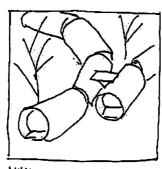
PRODUCES A LARGE VARIETY OF FLOOR PLANS



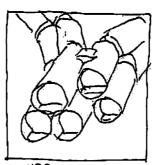
WHICH CAN BE CHANGED EASILY



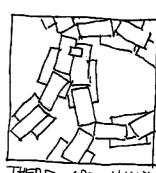
CYLINDERS ALSO CAN BE LAID OUT IN "TRAINS"



MHICH CAN BE WHICH CAN BE



SEVERAL TRAINS HAVING ALSO MORE THAN ONE FLOOR



THERE ARE MANY ROADS TO NEW URBAN PATTERNS