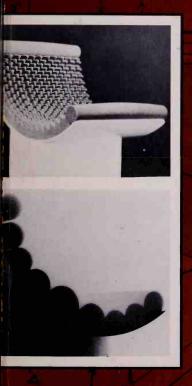
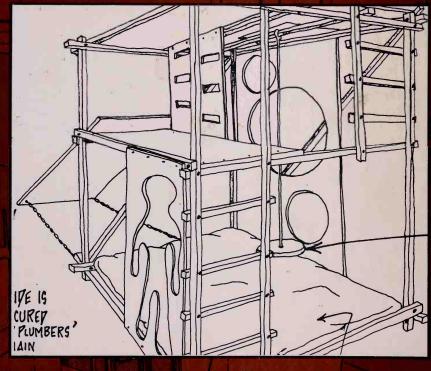
# NOMADIC FURNITURE

HOW TO BUILD AND WHERE TO BUY LIGHTWEIGHT PURNITURE
THAT POLDS, INFLATES, KNOCKS DOWN, STACKS, OR IS PISPOSABLE
AND CAN BE RECYCLED. — WITH MANY EASY TO FOLLOW ILLUSTRATIONS





JAMES HENNESSEY AND VICTOR PAPANEK







### NOMADIC FURNITURE:

#### ALSO BY THE SAME AUTHOR PESIGN FOR THE REAL WORLD

HOW TO BUILD AND WHERE TO BUY LIGHTWEIGHT FURNITURE THAT FOLDS, COLLAPGES, STACKS, KNOCKS DOWN, INFLATES OR CAN BE THROWN AWAY AND RECYCLED. BEING BOTH A BOOK OF INSTRUCTION AND A CATALOG of ACCESS FOR EASY MOVING

# NOMADIC FURNITURE:

BY JAMES HENNEGSEY & VICTOR PAPANEK WITH MANY EASY-TO-FOLLOW PLAGRAMS, PHOTOGRAPHS AND PROWINGS BY THE AUTHORS.

PANTHEON BOOKS

A PIVISION OF RANDOM HOUSE, NEW YORK



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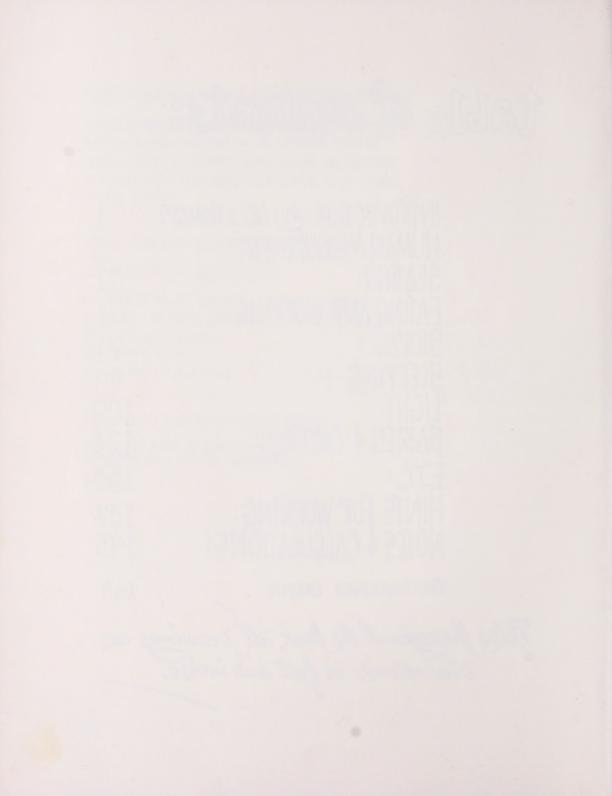
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#### introduction:

You are nomabic: AMERICANS ARE SAIP TO MOVE ABOUT EVERY 2-3 YEARS ON THE AVERAGE. SOME OF US, LIKE THE WRITERS OF THIS BOOK, MOVE MORE AND MOVE OVER GREATER PIGTANCES. VICTOR PAPANEK, FOR INSTANCE, HAS IN THE LAST EIGHTEEN YEARS MOVERFROM LA JOLLA TO SAN FRANCISO, GPENT 5 YEARS IN CANAPA, THEN LOCATED IN THE SOUTHERN UNITED STATES, THEN 6 YEARS IN THE MIDWEST, INTERRUPTED BY WORKING AND LIVING FOR MINIMAL PERIODS OF 3-9 MONTHS, IN THE UNITED ARAB REPUBLIC, BALI & JAVA, JAPAN, FINLAND, SWEDEN, AUSTRIA \* GERMANY. AT THE TIME OF THIS WRITING, PAPANEK IS PREPARING TO MOVE HIS WIFE, TWO-YEAR-OLD DAUGHTER & HIMGELF TO PENMARK FOR A YEAR. AFTER THAT BECKONS TANZANIA, ZAMBIA, UGANPA.... JIM HENNEGSEY HAS TREKKEP FROM CHICAGO TO STOCKHOLM, MOVEP HIS SMALL GON & WIFE TO GOUTHERN CALIFORNIA & IS NOW CONTEMPLA-TING ANOTHER MOVE TO EIRE OR GCANPINAVIA..., BUT MORE TYPICALLY: THE ELECTRICAL INGPECTOR LIVING ABOVE US [WITH 3 KIPS] HAS BEEN TRANSFERRED 22 TIMES IN 4 YEARS! OUR POCTOR HAS LIVED IN SWITZERLAND FOR 2 YEARS, IN AUSTRIA FOR 3, AND IS NOW THINKING OF MOVING TO AUSTRALIA.... THE GARAGE MECHANIC LIVING AT THE CORNER HAS WORKED IN 9 DIFFERENT STATES IN THE U.S., COMES FROM HUNGARY & IS PLANNING TO MOVE

TO NOVA SCOTIA NEXT WEEK .... INPUSTRY & ACAPEME, THE MILITARY ANP, MOST IMPORTANTLY, CHANGING LIFE-STYLES AMONG YOUNG PEOPLE, TENP TO MAKE US ALL MORE NOMAPIC.

The Problem: BAGICALLY WE CAN BUY FURNITURE, BUILT IT OR INHERIT IT. ALL OF IT IS BULKY, HEAVY, OFTEN FRAGILE & ALWAYS A BITCH TO MOVE. THERE DRE HUNDREDS OF BOOKS TO TELL US "HOW-TO" PEGIGN & "BUILD-IT-YOURSELF". ALSO EVEN MORE BOOKS TO TELL US WHAT TO BUY & WHERE & FOR HOW MUCH! OFTEN THERE MAY BE ONE OF TWO KNOCK-DOWN OR FOLDING ON INFLATABLE PIECES INCLUPED, BUT JUST ACCIDENTALY.

BUT THERE IS NO BOOK THAT SHOWS HOW TO BUILD FURNITURE THAT IS EASY TO MAKE, BUT FURNITURE WHICH ALSO FOLDS, STACKS, INFLATES OR KNOCKS DOWN OR ELSE IS DISPOSABLE WHILE BEING ECOLOGICALLY RE~ SPONSIBLE!

NOR IS THERE ANY BOOK THAT SHOWS WHAT EXISTS ON THE MARKET [IN THE U.S. AND ABROAP] THAT MAKES SENSE FOR NOMADIC LIVING.

IT'S NOT A NEW PROBLEM:

THE EGYPTIANS USEP A FOLPING STOOL, AS WELL AS FOLPING BEPS. THIS FOLPING EGYPTIAN "X" SHAPE WAS ALGO

LATER APOPTED BY THE ROMANS, ITS GOFTENEY CURVES CARRIED OVER TO THE "GAVONAROLA" FOLDING THRONE OF THE RENAIGEANCE.) BUT EGGENTIALLY ALL FURNITURE THROUGHOUT HISTORY HAS BEEN

A GIGN & OPULENCE & SPLENPOUR, STATIC STATUS SYMBOL OF A

3

CLAGG THAT OWNED LANDS & RARELY MOVED.

THIS MEXICAN STOOL of 3 WOODEN RODS, SOME
TWINE AND A LEATHER TRIANGLE WITH A

POCKET SEWN INTO THE CORNERS ON THE UNDERSIDE, IS INGENIOUS. BASICALLY IT IS BUCKY
FULLERS "CONTINUOUS-TENSION-PISCONTINUOUSCOMPRESSION" STRUCTURE of 2 OPPOSED & OPEN

TETRAHEPRA. THE MORE LOAD APPLIED, THE STRONGER THE SUPPORT BECOMES. (LATELY THIS STOOL HAS BEEN PROMOTED FOR SUNDAY PAINTERS.)

THE Solution: WE HAVE PUT TOGETHER A CATALOG OF FURNITURE YOU CAN BUILD YOURSELF EASILY, OR BUY OR APAPT. WE ARE GIVING YOU INSTRUCTIONS ON WHAT TO BUY OR MAKE, AND WHERE. ALL OF IT CAN BE FOLDED OR KNOCKED POWN, STACKED, INFLATED OR [ECOLOGICALLY RESPONSIBLY] RE~CYCLED OR THROWN AWAY.

Whats wrong with this Book? NO BOOK LIKE THIS HAS
EVER BEEN PUT TOGETHER BEFORE. SO MUCH IS MIGSING. SOME
OF OUR ITEAS ARE REALLY NEW, SOME FROM CULTURES THAT
ARE THOUSANTS OF YEARS OLP, STILL OTHERS COME FROM SUCH
EMINENT GOURCES AS "TRUE MECHANICS", "REAL SHOP ILLUSTRATED,"
AND OTHER SUCH JOURNALS DEVOTED TO MEN ATTEMPTING TO CONVERT
LIVING PLY WOOD INTO A PUMP-HANDLE LAMP, OR TO BUILD A
BETTER KNICK-KNACK-NOOK. THE REAL VALUE OF THIS BOOK
IS THAT IT WILL ENABLE ALL OF US NOMADS TO HAVE MORE
BY OWNING LESS.

THIS BOOK IS NEW. DESTHETICALLY IT IS CLOSER TO THE "WHOLE EARTH CATALOG" THAN, SAY "MOBILIA". IDEALLY THESE FIRST, PRAGMATIC, TENTATIVE HINTS WILL HELP YOU TO DO THINGS THAT HAVE A GOOD FIT BETWEEN THE WAY IT WORKS & THE WAYS IN WHICH WE FIND PELIGHT. IF SOME OF OUR FIRST ATTEMPTS GEEM CRUPE, REMEMBER THAT GERTRUPE STEIN QUOTEP PICAGGO:

"When you make a thing, a thing that is new, it is so complicates making it that it is bound to be ugly.

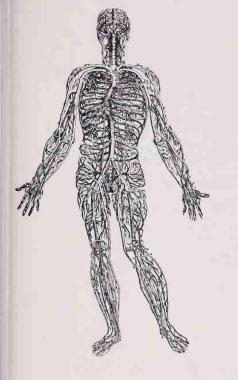
they Son't have to worry about making it.

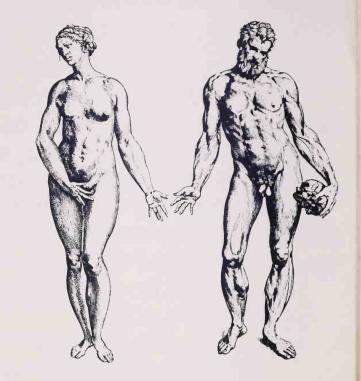
And they can make it pretty, and so every body can like it
when the others make it after you..."

WE PEPICATE THIS BOOK TO ALL NOMAPIC CULTURES, THOSE THAT HAVE BECOME SEPENTARY AS WELL AS THOSE THAT WILL TASTE FREEDOM AGAIN.

STOCKHOLM-VALENCIA
1971-72

VIENNA ~ VALENCIA ~ KØPENHAVN





#### ON HUMAN MEASUREMENT:



POZENS OF BOOKS CAN BE, AND I AM AFRAID HAVE BEEN, WRITTEN ABOUT HUMAN SIZE AND OUR ABILITY TO SEE, HEAR, SMELL, REACH, AND PERFORM CERTAIN MUSCULAR TASKS.

IT HAG BECOME SO POPULAR
TO MEASURE OURGELVES, THAT IN 25 SHORT
YEARS WE HAVE EGCALATED THAT SIMPLE
STATISTIC ACTIVITY FROM "HUMAN MEASURE"
TO "HUMAN FACTORS," TO "HUMAN ENGINEERING"
AND FINALLY CLOAKED THIS FRENETIC BOOK—
KEEPING UNDER THE PSEUDO~GCIENTIFIC
MANTLE & "ANTHROPOMETRICS" of "ERGONOMICS"! (3)

6

BUT IN GRITE of THE WONDERFUL WAY IN WHICH WE HAVE IMPROVED ON DESCRIPTIVE TERMS FOR THIS MEASURING ACTIVITY, THE ACTIVITY ITSELF HAS NOT IMPROVED:

AS MENTIONED ELGEWHERE, WE STILL LACK BASIC SIZE STATISTICS FOR WOMEN, CHILDREN, BABIES, THE ELDERLY, THE OBESE, AND THE INHABITANTS of THE SO-CALLED "THIRD WORLD." THIS IS EASY TO UNDERSTAND, WHEN WE RECALL THAT MOST MEASURING HAS BEEN PONE ON MEMBERS of VARIOUS MILITARY AND NAVAL UNITS ONLY, AND SINCE 1942 AT THAT.

WHILE JIM & VIC ARE WORKING ON GETTING SUCH PATA, THIS GOES WAY BEYOND THE SCOPE of THIS BOOK. WE HAVE THEREFORE RESTRICTED OURSELVES TO

WE HAVE THEREFORE RESTRICTED OURSELVES TO ONLY THOSE BASIC SIZES THAT ARE ABSOLUTELY ESSENTIAL.

WE HAVE SOME COMMENTS ON CHILPREN & BABIES

FURTHER ON IN THIS BOOK.

ALSO EVERY PIECE IN THIS BOOK IS SIZED. WE ALSO SUGGEST THAT YOU LITERALLY MEASURE YOUR ~ SELF, YOUR WIFE & KIDS. NOTE THESE FINDINGS IN THE BACK PAGES.

IF YOU STILL WANT FURTHER HELP, THERE ARE THREE

EXCELLENT BOOKS:

HENRY PREYFUSS: "THE MEASURE & MAN" [REV.]. NEW YORK:

WHITNEY LIBRARY & PESIGN, 1967.

"PESIGNING FOR PEOPLE". NEW YORK: SIMON AND SCHUSTER, 1951.
PANERO, JULIUS, AND REPETTO, NINO, "ANATOMY FOR INTERIOR PESIGNERS"

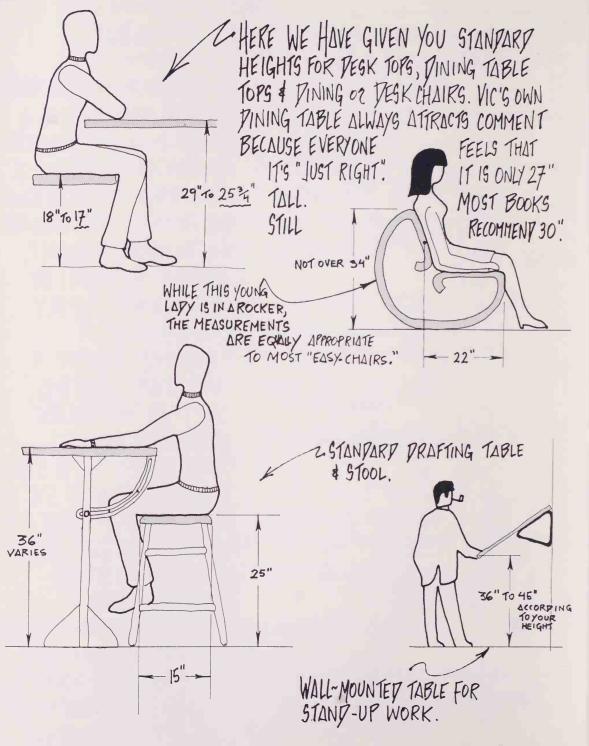
3RD EDITION, N.Y.: WHITNEY LIBRARY OF DESIGN, 1962.

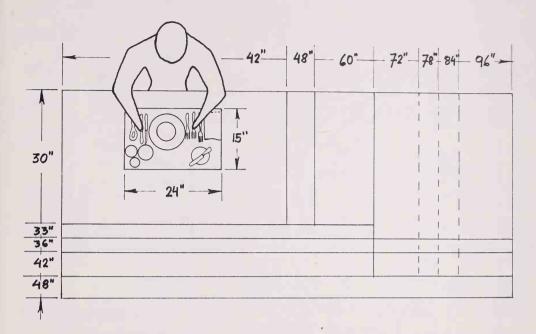
VARIES 18"10164 174 10 15" 18" 10 15 2

Note our abjuste & sizes below:

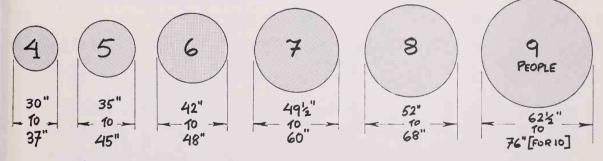
> IN ALL & OUR MEASUREMENTS WE HAVE TRIED TO GIVE A RANGE of MEASUREMENTS. WE HAVE WORKED WITH 16 EUROPEAN & AMÉRICAN BOOKS. THE FIRST NUMBER IS ALWAYS THE "GTANPART" NUMBER, AND THE ONE YOU'LL BE STUCK WITH IF YOU BUY READYMADES. THE GECOND NUMBER IS UNPERLINED LIKE THIS AND IT IS THE MEASURE WE FEEL TO BE MOST COMFORTABLE. VIC 19 5'82, JIM 6'1", HARLANNE 5'6" \$ SARA HENNESSEY ABOUT 5'9". NATURALLY WE HAVE EXPERI-MENTED WITH OTHER FRIENDS AS WELL. WE FEEL THAT OUR UNPERLINED GIZES REFLECT CHANGING WAYS & SITTING & WORKING. WE SUGGEST YOU WORK WITHIN OUR REVISED PARAMETERS.



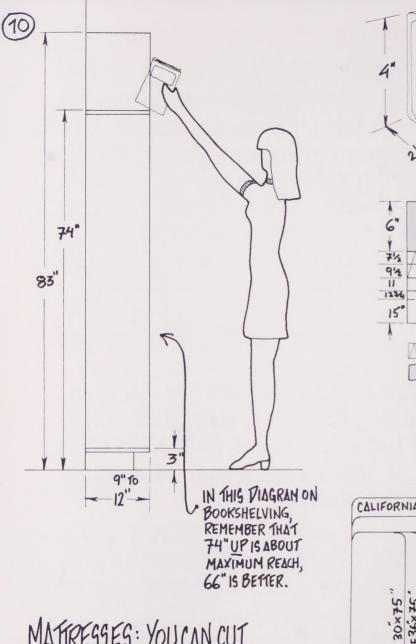


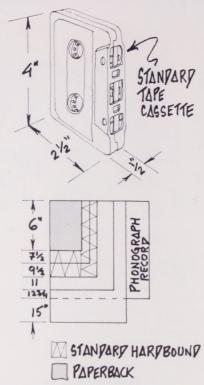


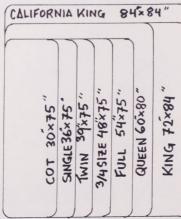
RECTANGULAR TABLE SIZES ARE GIVEN ABOVE. THE MAT IS AN UNUSUALLY LARGE ONE, STANPARP ONES ARE OFTEN AS SKIMPY AS 12" × 18". FOR COMFORTABLE SEATING ALLOW 26" PER PERSON, MINIMALLY 22". IF PEOPLE ARE ALSO TO SIT AT THE NARROW ENPS, TABLES SHOULD BE MINIMALLY 34" WIPE.



KOUND TABLES ARE VERY DIFFICULT TO COMPUTE: THE SMALLER FIGURE IN EACH CASE ABOVE IS FOR VERY SNUG GEATING, THE LARGER FIGURE FOR COMFORT. WE HAVE INCLUDED THESE BECAUSE VIC SAW MANY ROUND TABLES WHEN TRAVELLING TO COMMUNES.







# SEATING:

PART OF THE PRICE WE PAY FOR WALKING ERECT IS THAT WE MUST SIT POWN OR LIE TOWN TO RELAX of WORK AT PRECISE THINGS.

TEGIGNERS HAVE TURNED THIS NEARLY UNIVERSAL HUMAN NEED INTO A GERIEG OF EGO-TRIPS. THUS CHAIRS HAVE BEEN CALLED: "THE GIGNATURE PIECE of THE DESIGNER." AT LAGT LOOK, OVER 150 BOOKS EXIST THAT DEAL WITH CHAIRS.

GEATING CAN BE PIVIPED INTO THOSE CHAIRS THAT MAKE SENSE FOR EATING & WORKING AT A TABLE OR PEGK, THOSE THAT ARE GOOD FOR RELAXING & LOUNGING, THOSE THAT COMBINE BOTH OF THESE FUNCTIONS, SPECIAL-IZED CHAIRS, AND SEATING THAT ACCOMMODATES MORE THAN ONE PERSON ["LOVE-SEATS", "SOFAS," etc.].

MOST SEATING [IF COMFORTABLE] IS

BULKY, HEAVY, HARD-TO-MOVE.

WE THINK THAT "PINING" CHAIRS, WHICH ALSO WORK AS DESK CHAIRS, CAN BE BOUGHT CHEAPLY ENOUGH

[\$ 3.- TO \$ 6.-] SO THAT YOU SHOULD NOT TRY TO BUILD ONE.

BUY WHAT YOU NEED AT THE GALVATION ARMY OF GOODWILL &

FINISH THEM NATURALLY, OR PAINT THEM, AND/OR ADD SOME

BRIGHT CUSHIONS. > WHEN READY TO MOVE, RECYCLE THEM

BACK TO GOODWILL OF TO FRIENDS.

ANOTHER STRATEGY IS TO BUY FOLDING CHAIRS. VIC HAS EIGHT PIRECTORS CHAIRS IN HIS LIVING

ROOM, FOR RELAXING, LOUNGING, ENTERTAINING. BUT THEY PO POUBLE PUTY: THEY CAN ALSO BE USEP AS PINING CHAIRS WHEN MOVED TO THE TABLE.

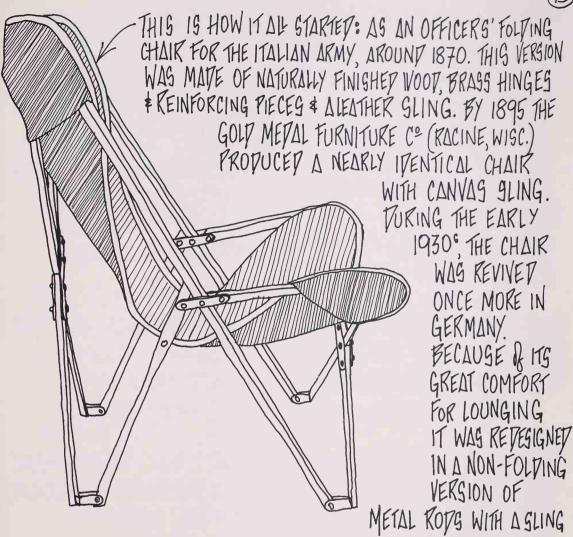
note: dining tables if used with bixectors chairs or other double-buty chairs, must be extra low, see: TABLES.

MOST PURE LOUNGING CHAIRS ARE DIFFERENT IN THAT YOU CAN BUILD THEM YOURSELF: BEANBAGS, FIBRE-BARREL CHAIRS, "TUBE" SOFAS, CORRUGATED CARDBOARD CHAIRS, SIMPLE CHIPBOARD CHAIRS THAT CAN BE UPHOLSTERED. IN THE FOLLOWING PAGES YOU'LL ALSO FIND LOUNGE CHAIRS STRAPPED INTO SHAPE OUT OF OLD MATRESSES.

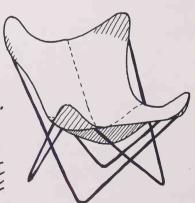
When you are really ready to more, please recycle these chairs, Sou't just pitch them!

ASSUMING YOU'VE JUST FINISHED YOUR GEODESIC POME, WHAT WILL YOU SIT ON?





OF LEATHER OR LINEN, BY ANTONIO BONET, JUAN KURCHAN & JORGE FERRARI-HARPOY—IN 1938. IT IMMEPIATELY BECAME AN EXPENSIVE & "TRENTY" INTOOR/OUTTOOR CHAIR, MARKETET BY KNOW INTERNATIONAL. SINCE THEN ITS PRICE HAS TROPPET TO LEGG THAN \$10-. THE METAL PARTS OF SEVERAL OF THESE CHAIRS STACK AND YOU CAN MAKE



FANTAGTIC GLINGS BY GORTING THROUGH OLD RACOON COATS, FURG,

YOUR GREAT-UNCLE'S POLAR BEAR RUG,
OR WHAT-HAVE YOU FROM THE
SALVATION ARMY STORE OR A SWAP
MEET. -> SEW THE FUR RIGHT
ON THE OLD CANVAG SLING.

-> OR USE BRIGHT PRINTS

marimekko?) -> OR TIE~DYE
HEAVY COTTON PUCK. -> OR GET

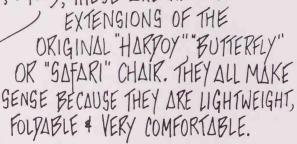
A SHEEP-SKIN OR COW-HIPE.

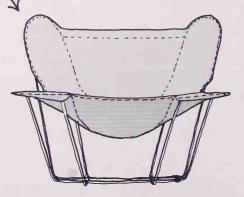
(IN 1964 PIERRE PAULIN PIP THIS

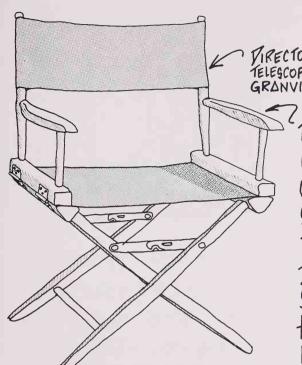
FOLDING GARDEN CHAIR (IN "CHROME ~ PLATED METAL & BUFFALO HIDE" IF YOU PLEASE!) IN FRANCE. TOGETHER WITH ESKO PAJAMIES' KNOCK ~ DOWN METAL & CANVAS CHAIR (FINLAND, 1965), THESE ARE RECENT

Mote: Metal folding chairs
are hard to built because of hinges & welding.
So buy these if you
can, otherwise,

turn the page!







PIRECTORS CHAIR, CURRENTLY MADE BY THE TELESCOPE FOLDING FURNITURE CO. INC. of GRANVILLE, N.Y., U.S. A.

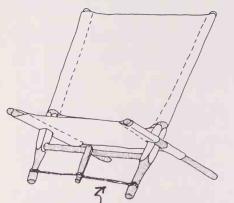
THIS IS AN OLD STAND-BY: VERY
COMFORTABLE FOR WRITING, DINING
OR LOUNGING. YOU CAN BUY IT FROM
GEARS, ROEBUCK & CO, OR ANY OUTPOOR FURNITURE STORE. NEW IT COSTS
BETWEEN #9- \* #15-. IT FOLDS, &
SEAT & BACK ARE NOB PUCK.
HERE AGAIN YOU CAN COVER IT WITH
PIECES OF FUR [SEWN TO THE CANVAS].

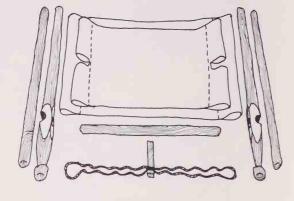
OR WITH BRIGHT COTTON OR LEATHER. YOU CAN EVEN WEAVE A BACK & SEAT FOR IT AS HARLANNE PAPANEK HAS PONE. (BELOW)

VERGIONS OF THIS CHAIR ARE MADE ALL OVER THE WORLD. "STATUS" / INTERPRETATIONS EXIST IN CHROMED STEEL & SNOW LEOPARD HIDE!

NATURALLY THERE ARE MANY OTHER CHAIRS THAT COMBINE INGENIOUS SYSTEMS FOR A FOLDING LOUNGE SEAT. ONE OF THE MOST INNOVATIVE FROM A STRUCTURAL VIEW



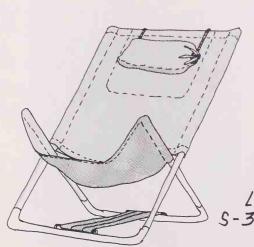




19 THIS COLLAPSIBLE CHAIR OF

BEECHWOOP AND CANVAG BY OLE GJERLØV-KNUPGEN & PENMARK.

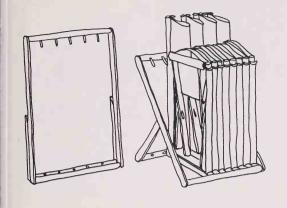
THE CANVAG CAN BE LOOSENED & SLIPPED OF THE BEECH POSTS. THE WHOLE UNIT THEN COMES APART & CAN BE WRAPPED IN ITS OWN CANVAG. TENSION IS ADJUSTED BY TWISTING THE STRETCHER ROPE THAT SPANS THE TWO FRONT LEGS. THIS IS THE SAME METHOD USED ON AN ORDINARY BUCK-SAW. IT CAN BE ORDERED FROM "DEN PERMANENTE" IN COPENHAGEN, DENMARK &



A SIMILAR LOUNGING
POSITION EXISTS IN THIS LIGHTA
WEIGHT FOLDING CHAIR OF STEEL
TUBING & LINEN & CANVAS. IT
WAS PESIGNED BY LINDAU &
LINDECRANTZ & IS AVAILABLE
FROM:

LAMMHULTG MEKANISKA VERKSTAD AB, S-360 30 LAMMHULT, SWEPEN.

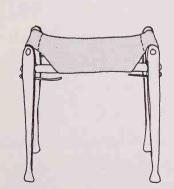




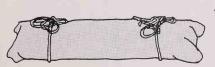
THIS CHAIR

BY MOGENS KOCH of DENMARK WAS

PEGIGNEP NEARLY 40 YEARS AGO. IT IS, HOWEVER,
STILL ONE OF THE MOST POPULAR FURNITURE PIECES WHICH PENMARK
EXPORTS. IT IS A FOLDING CHAIR, AVAILABLE IN BEECHWOOD & LINEN
CANVAS, OR FOR THE STATUS CROWP, IN ROSEWOOD & LEATHER. ALL
HARDWARE FITTINGS ARE SOLIP BRASS. ESPECIALLY IN NORPIC EUROPE
IT FILLS THE PLACE OF THE PIRECTORS CHAIR. AS SHOWN TO THE LEFT
(ABOVE) SIX OF THE CHAIRS, WHEN FOLDED, FIT INTO A SPECIALLY PESIGNEP



STORAGE RACK [WHICH ALSO FOLDS]. THE GREAT VALUE of THIS CHAIR [LIKE THE PIRECTORS CHAIR] IS THAT IT WORKS EQUALLY WELL FOR PINING, DESK WORK or LOUNGING, INFOORS or OUTPOORS. DAVAILABLE from "INTERNA", COPENHAGEN, DENMARK.



← BEECHWOOD & LINEN FOLDING STOOL BY AXEL THYGESEN, DENMARK. → ALSO ΔVAILABLE FROM "INTERNA". STILL ANOTHER VERSION
OF THE PANISH PIRECTORS
CHAIR, THIS ONE IS

MADE of CHROME=STEEL
TUBING & CANVAG.

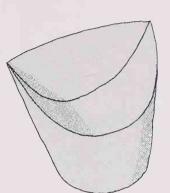
PEGIGNEP BY LINDAU AND LINDEKRANTZ. AS YOU CAN SEE, THESE ALSO FOLD & STORE IN THEIR OWN RACK. → AVAILABLE FROM: LAMMHULTS MEKANISKA VERKSTAP AB, G-360 30 LAMMHULT, SWEPEN. THEY COST ABOUT \$2000 ca. AND ARE CALLED: "REGISSÖRSSTOL S-70".

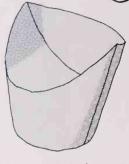
Fibre Barrels & Fibre Tubs, Tubes & Such:

CHEMICALS, PLASTIC PELLETS & MUCH ELSE ARE SHIPPED IN CARPBOARD OF FIBREBOARD BARRELS. THE FIBREBOARD ITSELF IS USUALLY MADE OF RECYCLED MATERIALS. HARDBOARD DRUMS & TUBES ARE MADE OF BY-PRODUCTS OF THE LUMBER INDUSTRY, RECYCLED RAGS & PAPER. -> LOOK IN YOUR YELLOW PAGES UNDER FIBREBOARD PRODUCTS, HARDBOARD & CONTAINERS.

JIM & PENNY HULL, 2 SOUTHERN CALIFORNIA PEGIGNERS, HAVE PEVELOPEP A GERIES OF FIBREBOARD TUBE CHARS, GOFAS, LOVESEATS & WORKING-HEIGHT CHAIRS. SOME OF THEIR CONCEPTS ARE SHOWN ON THE FOLLOWING PAGE OR TWO.

Carobodro,
Corrugates &
Souble-Corrugates
Boards:
TURING THE EARLY



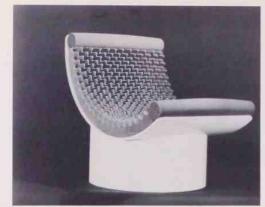


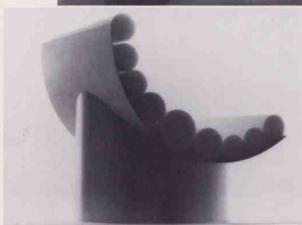
CHILD'S OR ADULT'S
SEAT, MADE OF PLASTICSURFACED BOARD.
DESIGNED & MADE BY PETER
MURDOCH, N.Y.

SERIES OF PLASTIC-COATED OF FIBREBOARD CHAIRS, OF WHICH THIS IS A GOOD EXAMPLE, BEGAN TO APPEAR ON THE MARKET. DIMED LARGELY AT THE CHILDREN'S, SUB-TEEN & STUDENT CONSTITUENCIES, THE CHAIRS WERE MADE OF PRE-SCORED PATTERNS WITH BRIGHT COLOURS SILK-SCREENED ON. BUYERS WOULD FOLD THEM ALONG THE PRE-SCORED LINES. NO CUTTING WAS REQUIRED, SINCE THE CHAIR PATTERNS WERE DIE-CUT. A SIMPLE BRASS RIVET OF STRING-TIE CLOSURE WOULD COMPLETE THE BUILDING PROCESS.

WE ARE NOT GHOWING PRETTY PICTURES OF CARPBOARD CHAIRS YOU CAN BUY IN THIS BOOK. THAT WOULD BE SILLY. EVERYWHERE YOU LOOK THERE IS FREE CORRUGATED. AT GUPERMARKETS & DRUGSTORES YOU CAN GET BOXES. >> FOR LARGER PIECES GET APPLIANCE CARTONS. [REFRIGERATORS, WASHERS & DRIERS, etc.]. >> SOME BOXES ARE EXTRA HEAVY: LIQUOR, BEER & WINE BOXES, SHIPPING BOXES FOR BANANAS, EGGS, ETC. >> SAVE THESE FOR BOOKCASES & "MOVING DAY"!











JIM & PENNY HULL ARE BOTH PESIGNERS CONCERNED WITH INTELLIGENT RECYCLING OF MATERIALS.

THE MAJOR STRUCTURAL COMPONENT IN THEIR MANY PIECES of FURNITURE 19
FORMED FIBRE HARDBOARD [WHICH IS IN ITSELF MADE UP OF FIBRE BY-PRODUCTS of THE LUMBER INPUSTRY, AS WELL AS RECONSTITUTED NEWSPAPERS AND CARDBOARD BOXES].

SINCE GREAT RESEARCH
HAS GONE INTO PEVELOPING
THESE MATERIALS FOR THE
BUILDING INPUSTRY, THE
HULLS ARE REALLY RE~
CYCLING BOTH MATERIAL &
PEVELOPMENT COSTS.

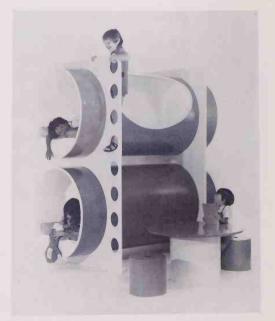
WE ARE SHOWING A
FEW of THEIR CHAIRS,
UPHOLSTERED IN POLYURETHANE
FOAM, AS WELL AS A TWO-SEAT
COUCH. THE TOP-MOST CHAIR
IS UPHOLSTERED IN FINGER-

FOAM" [CONVOLUTE TEETH & POLYURETHANE FOAM USED FOR PACKING]; (SEE ALSO POUGLAS SCHOEFFLER'S LOUNGE ON PAGE 33).

THE MOST RECENT of THEIR CREATIONS IS "TOOBS", PICTURED BELOW, A CHILD'S PLAY AND SLEEP ENVIRONMENT.

ONE of the MOGT EXCITING CONCEPTS of THE HULLS' LINE, IS THE IPED THAT FURNITURE

LINE, IS THE IPED THAT FURNITURE SHOULD BE AVAILABLE IN VARIOUS STAGES of COMPLETION. THUS IT IS POSSIBLE TO BUY JUST THE CHAIR BASE, OR THE CHAIR UN-PAINTED, OR PAINTED OR COVERED WITH CHROME MYLAR. EQUALLY WIPE IS THE CHOICE of UPHOLSTERY: FLAT CUSHIONS, CYLINDER CUSHIONS OR "FINGER-FOAM." NATURALLY THERE ARE VAST PRICE DIFFERENCES.



FINALLY THE HULLS, THROUGH THEIR FIRM CALLEP "H.U.P.P.L.E."

WILL ALGO SELL PLAIN TUBES IN PLAMETERS of

10", 13", 172", 24," AND 36," AND IN LENGTHS UP to 80",

BY THE FOOT. THERE IS A MINIMAL CUTTING

CHARGE FOR THIS.

JIM & PENNY HULL, H.U.P.P.L.E.
10918 KINROSS AVENUE, WESTWOOP,
LOS ANGELES, CALIF. 90024



FRANK O. GEHRY, A
YOUNG ARCHITECT IN
GOUTHERN CALIFORNIA,
HAS PEVELOPED A NEW
MATERIAL BY LAMINATING
LAYERS OF CORRUGATED
FIBREBOARD. HE CALLS
THE MATERIAL "EDGEBOARD".
SHOWN HERE IS HIS MOST
MATURELY DEVELOPED
DESIGN, A SPRINGY
ROCKING CHAIR. IT
RETAILS FOR ABOUT
\$7000.

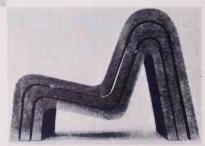
"EPGEBOARD" HAS A
TACTILE QUALITY THAT
IS SIMILAR TO VELVET,
BUT IS STRONGER THAN
HARDWOOP, [3 BAR STOOLS
WILL SUPPORT A STANDARD
VW AUTOMOBILE].

AS A MATERIAL, "EDGE~ BOARD" IS NEARLY IM~ PERVIOUS TO DENTING, MARRING OF SCRATCHING. EVEN CHAR MARKS FROM A CIGARETTE CAN BE





REMOVEP WITH A STEEL GUEPE BRUSH, OR SANDPAPER. SPRAY WAX PROTECTS THE GURFACES, SO THAT SPILLED LIQUIDS CAN BE MOMENTARILY GRONGED AWAY.

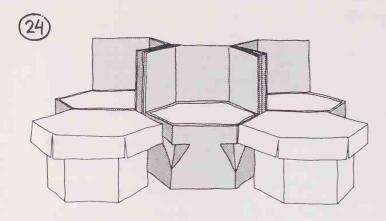


MOST INTERESTINGLY, THE MATERIAL HAS SOME UNUSUAL SOUND ~ ABSORBING PROPERTIES, SO THAT IT WILL REPUCE NOISE AT ITS SOURCE BY AS MUCH AS 50 PER-CENT.

WHILE GEHRY'S LINE INCLUDES DINING TABLES, PESKS, COMPONENTS FOR BOOKCAGES, BAR STOOLS & MUCH ELGE, ALL of IT AT A LOW PRICE, WE HAVE ONLY GHOWN HIS THREE NESTING CHAIRS [ABOVE] WHICH WILL SELL FOR LESS THAN \$9000 PER SET.

AVAILABLE FROM: "EASY EDGES" INC.
1524 CLOVERFIELD BLVD.
SANTA MONICA, CALIFORNIA, U.S.A.

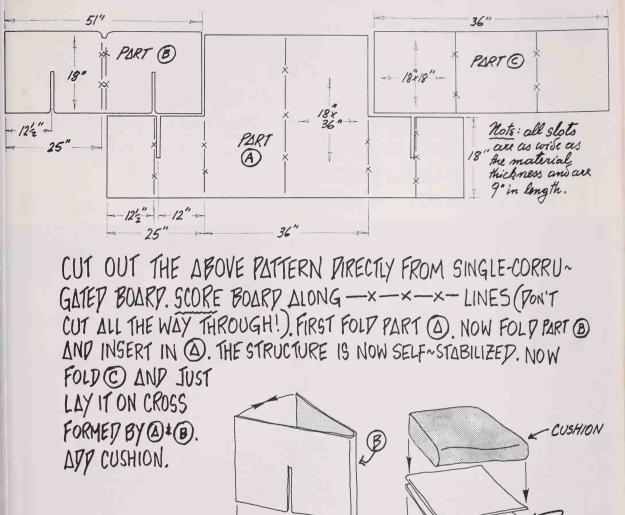
THINK ABOUT WHAT YOU MIGHT DEVELOP FROM LAMINATES!

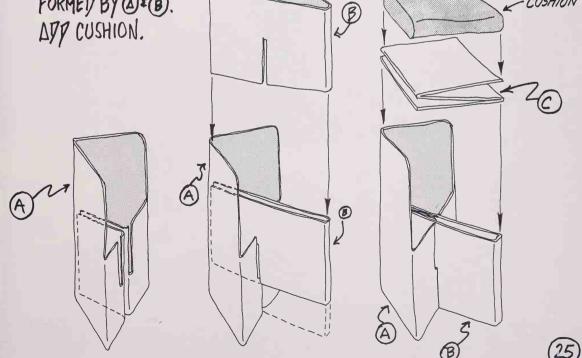


THESE HEXAGONAL GEATING UNITGIN GERMANY. THEY ARE QUITE UNCOMFORTABLE. NONETHELEGG WE ARE GHOWIN G THEM HERE, BECAUSE HEXAGONS ARE AN INTELLIGENT WAY OF "CLOSE-PACKING" SPACE. SO TRY YOUR OWN (& HOPEFULLY COLORFUL) VARIATIONS OF THE ABOVE.

FOR THIS BOOK, VIC SPECIFICALLY INVENTED THE SIMPLEST POSSIBLE CHAIR THAT COULD BE MADE OF SINGLE-CORRUGATED CARDBOARD, NITHOUT ANY RIVETS, GLUE, FASTENERS OR EVEN TABS.

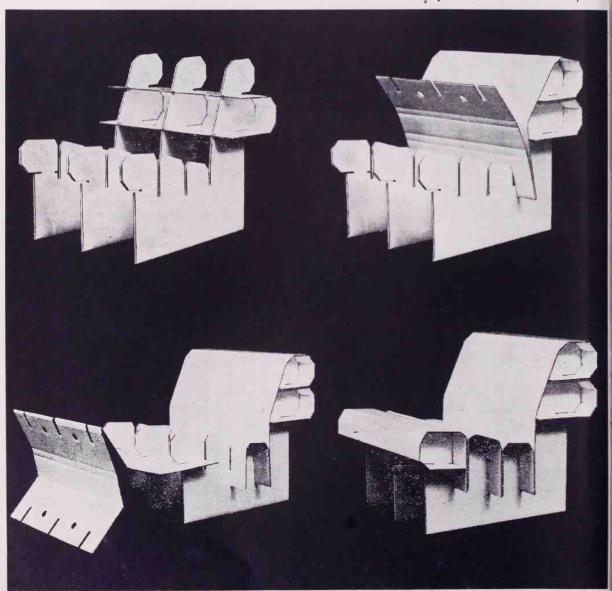
IT MAY NOT BE THE MOST COMFORTABLE CHAIR IN THIS BOOK, BUT IT IS THE MOST "ELEGANT" IN TERMS OF MATERIAL USE. MOST IMPORTANT -> IT IS PINING OR PESK-WORK HEIGHT. NATURALLY IT FOLDS ABSOLUTELY FLAT. HOW TO MAKE IT IS SHOWN ON THE NEXT PAGE.

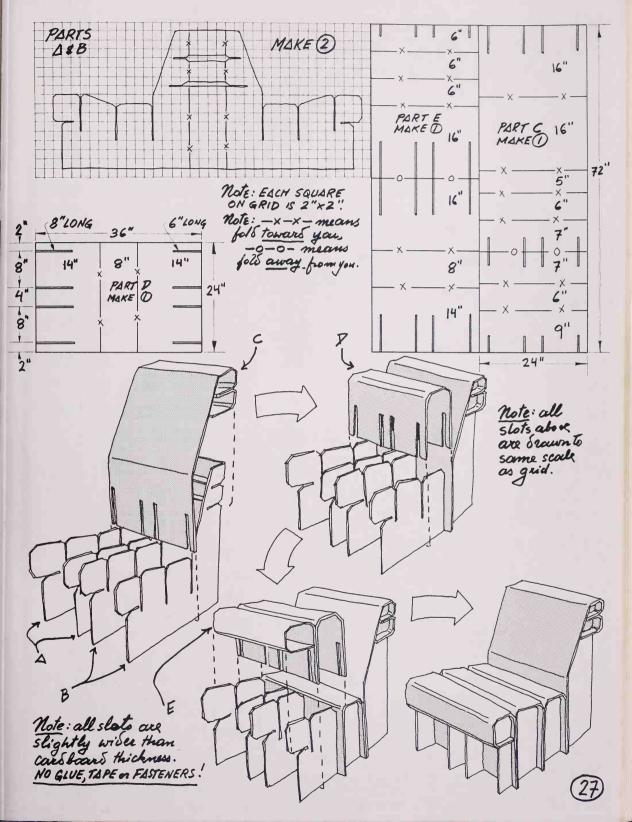




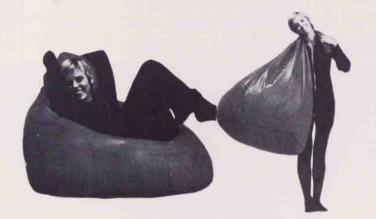
(26)

NEARLY 5 YEARS AGO THE GWEPIGH FURNITURE COMPANY "PUX" COMMISSIONED FOUR YOUNG SWEDISH DESIGNERS: JANNE AHLIN, JAN DRANGER, MARTIN EISERMAN, JOHAN HULDT. THEY DESIGNED THIS CORRUGATED CHAIR BELOW. THE HOLES ARE FOR CARDBOARD TUBES, TO ADD STABILITY. SINCE IT IS VERY COMFORTABLE, JIM HAS SIMPLIFIED IT. -> NEXT PAGE. -> MAKE & DOUBLE-CORRUGATED.





SEAN Bags ARE ALL EVOLVEY FROM THE "GACCO" (THE GACK) CHAIR,
PEGIGNEP BY PIERO GATTI, CESARE PAOLINI & FRANCO
TEOPORO IN 1968. ORIGINALLY IT WAS A LEATHER GACK TEOPORO IN 1968. ORIGINALLY IT WAS A LEATHER SACK

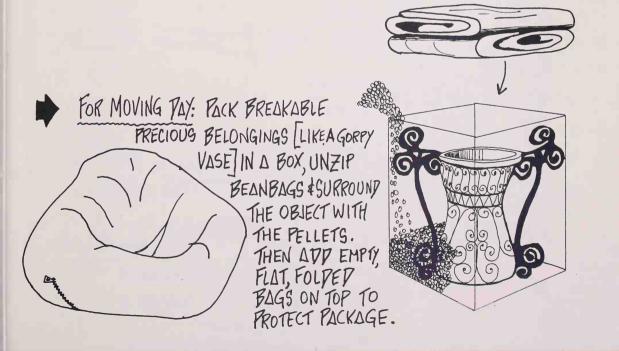


(ZIPPERLEGG!) & FILLEP WITH TINY PLASTIC PELLETS.

ALTHOUGH IT ORIGINALLY GOLP FOR NEARLY \$90'-MANUFACTURERS BEGAN TO RIP OFF THE TEGIGN & GOON PLASTIC VERSIONS SOLD FOR ABOUT \$1250. > BETTER YET, MAKE YOUR OWN! WHAT YOU'L NEED IS

A LITTLE LEGG THAN 6 YARPS of 45-INCH-WIPE HEAVY MATERIAL (NAUGHAHYPE, CORPUROY, CANVAG, SAILCLOTH, etc.) & THE SAME AMOUNT OF MUSLIN FOR A LINER. THAT MUSLIN LINER ENABLES YOU TO PULL OFF THE COVER FOR WAGHING. YOU'LL ALGO NEED TWO 22-INCH ZIPPERG, THREAP, A GEWING MACHINE & 15 POUNTS OF GRANULATED STYRENE FORM PELLETS [look in yellow pages under: PLASTICS - FOAM]. AFTER YOU'VE TRANSFERRED OUR PATTERN TO THE MATERIAL, CUT THE PIECES OUT & SEW THE SIX SIPE PANELS TOGETHER ALONG THE LONG SIPES [A-B, C-P]. ALLOW 1/2 INCH FOR THE GEAM & LAP BOTH SEAM ALLOWANCES TO ONE SIDE & TOP STITCH. SOON ALL GIX PANELS WILL BE TOGETHER, LIKE A TUBE & OPEN AT BOTH ENPS. SEW TOP INTO SMALL ENP. SEW ZIPPER INTO CENTER SEAM OF THE TWO BOTTOM PIECES & SEW STRONGLY ACROSS BOTH ENTS OF ZIPPER TAPE TO PREVENT LEAKAGE of STUFFING. NOW STITCH

OF HEAVY BROWN PAPER TO FILL THE BAG ABOUT 3/3 FULL. ZIP UP& RELAX!





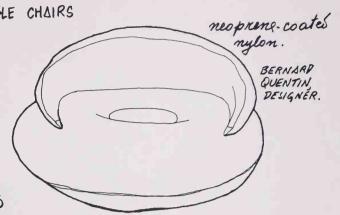
HERE ARE SOME OTHER IPEAS FOR FIBRE-TUBS:

THIS CHAIR SHOULD BE MADE ONLY FROM BARRELS WITH A PLAMETER OF AT LEAST 20 INCHES. THE EXTERIOR OF THE BARREL CAN BE LEFT PLAIN, OR PAINTEP. THE SEAT-CUSHION RESTS ON A

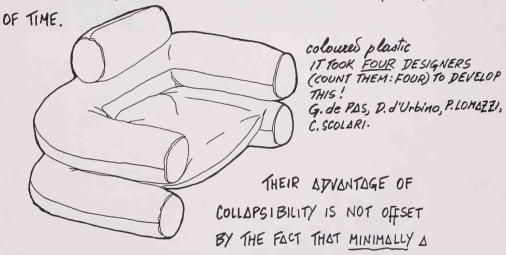
CIRCLE of WOOD OR CHIP-BOARD, GLUED IN OR ATTACHED FROM THE OUTSIDE WITH 2" WOODSCREWS [555 below].

IN 1968 WERNER MAERZ,
OF GERMANY, PESIGNEP
A GET OF CHAIRG & STOOLS
MAPE OF TUBULAR LAMINATEP
PLYWOOD SECTIONS.
WE HAVE SIMPLIFIED
THESE AND ADAPT~
EV THEM TO BE
MAVE OF CARYBOARD
OR FIBRE TUBING.
DIAMETERS FROM
12 TO 30 INCHES ARE
APPROPRIATE.

SOME PAY INFLATABLE CHAIRS
THAT WORK, AND ARE
PLEASANT TO SIT ON,
MAY COME INTO
EXISTENCE. AS OF
NOW, THEY ARE
INCONVENIENT, POT
PEOPLE TOO CLOSE TO

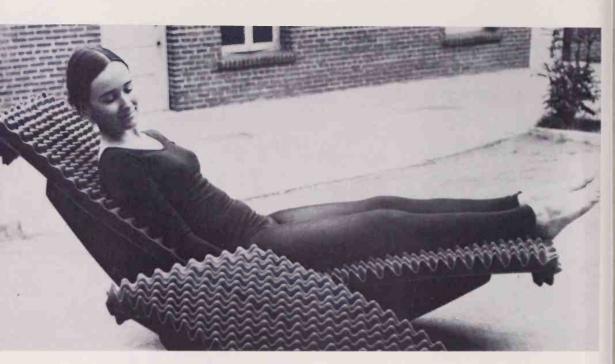


THE FLOOR, SQUEAL LIKE SUCKLING PIGS AT SLAUGHTERING TIME WHEN RUBBED & HAVE TENDENCIES TO SPRING LEAKS AND BLOWOUTS. THEY ARE ALSO HOT TO SIT ON FOR ANY LENGTH



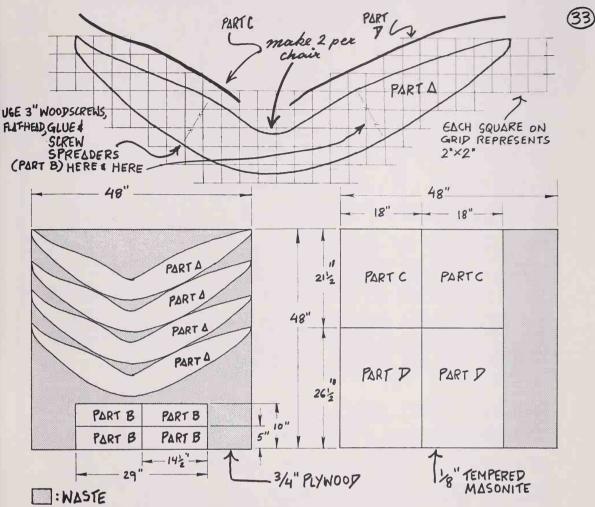
BICYCLE-PUMP IS NEEDED TO ERECT THEM, A SERVICE STATION AIR HOSE IS BETTER. THE ONLY THING INFLATABLES SEEM TO HAVE GOING FOR THEM IS THAT THEY ARE "TRENDY" RIGHT NOW.

Inflatables: NONETHELESS THE CONCEPT OF INFLATABLES IS A GOOD ONE - SOONER OR LATER A PECENT CHAIR WILL DEVELOP.





AT THE CALIFORNIA INSTITUTE of THE ARTS. ORIGINALLY POUGLAS PEGIGNED IT FOR PANCERS & DANCE STUDENTS. BUT OTHERS IN OUR



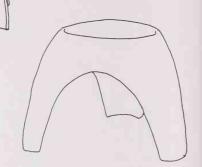
SOCIETY NEED TO GET THE EQUIVALENT & 3-4 HOURS & RELAXING TIME IN I HOUR: WAITRESSES, NURSES, TEACHERS, ETC.

, SO JIM REPESIGNEP THE CHAIR AS SHOWN ABOVE. THE TWO PIECES of 48"×48" MATERIALS WILL MAKE TWO CHAIRS IF YOU FOLLOW OUR CUTTING PLAGRAM. FIRST GLUE & SCREW THE TWO SPREADERS [PARTS B] BETWEEN THE TWO OUTSIDE PARTS Δ. NOW CENTER PARTS C & POVER STRUCTURE AND, STARTING PART C AT THE TOP & PART D AT THE BOTTOM, GLUE & SCREW TO THE Δ PARTS OF THE STRUCTURE → USE Nº8 FLAT-HEAD WOODSCREWS, 2" LONG. IF YOU WISH YOU CAN NOW ADD "FINGER-FOAM" PADS [AVAILABLE FROM FOAM MANUFACTURERS].

(34)

THERE DRE ZILLIONS OF PLASTIC STOOLS THAT STACK. THESE

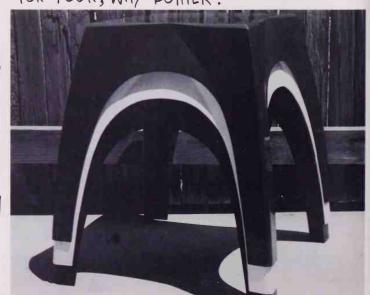
WERE PEGIGNED BY GORI YANAGI IN JAPAN & ARE AVAILABLE FROM KOTOBUKI.



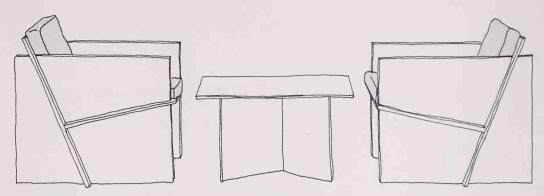
THE FOUR-LEGGEP VERSION BELOW IS MAPE & FIBREGLASS, PESIGNEP BY YKI NUMMI of HELSINKI, FINLAND.

BASICALLY STOOLS AREN'T ALL THAT COMFORTABLE. WHEN YOU CONSIDER THAT A STACK OF A OF EITHER OF THEGE BEATS UP & SCRATCHES BAPLY WHENEVER STACKED, AND THAT THEY SELL JO. ABOUT \$45. FOR FOUR, WHY BOTHER?

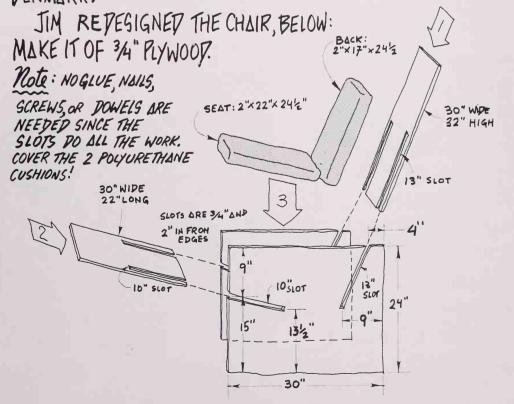
IF YOU FEEL THAT YOU MUST SIT ON BRIGHTLY COLOURED, STACKABLE, PLASTIC UNITS -> GO & BUY PLASTIC BUCKETS AT YOUR SUPERMARKET, HARDWARE STORE & CHAIN DISCOUNT STORE!







IN 1967 THIS LINE OF FURNITURE, CALLED THE "K-LINE", WAS PESIGNED BY CHRISTOPH IN GERMANY. THE PARTS COME READY ~ LAQUERED IN CHARCOAL OF WHITE, CUSHIONG ARE AVAILABLE IN MANY COLOUR CHOICES. THEY ARE AVAILABLE FROM PAUL KOLD MÖBLER, GI. LAAPEGARD, POSTBOX 50, DK-6500, VOJENG, DENMARK.



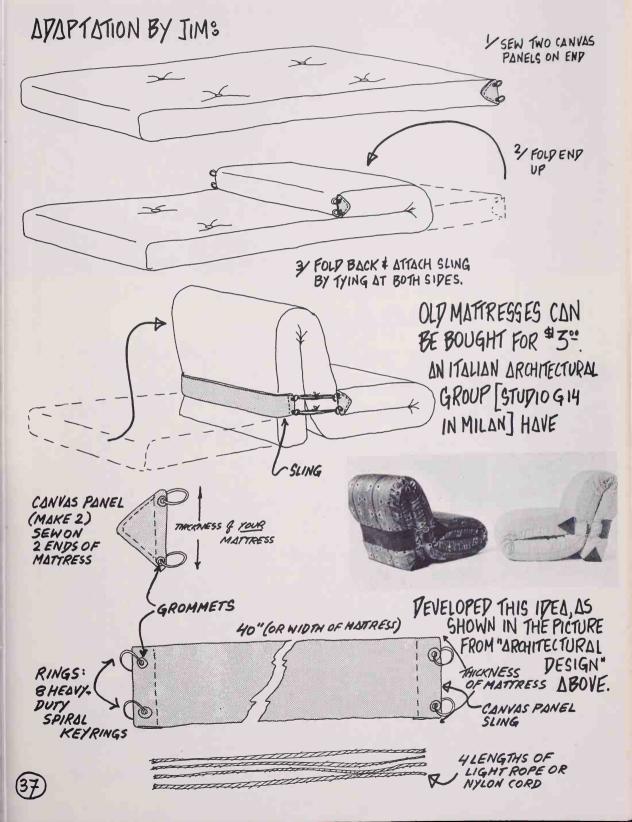


IF YOU ARE NOMAPIC BUT HAVE BOTH MONEY & A TASTE FOR SIMPLE ELEGANCE,

THEN THIS CHAIR IS FOR YOU. IT USES THE "FEATHERING" PROPERTY OF THIN, LAMINATED WOOD.

AS YOU CAN SEE, IT KNOCKS POWN FOR EASY MOVING ->
PESIGNED BY INGMAR RELLING, N.I.L. -> AND AVAILABLE FROM:
"WESTNOFA" LTP.
6151 ØRSTA, NORWAY.





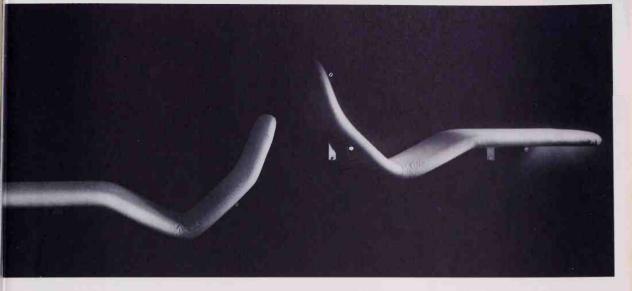
LET'S RECAPITULATE: IN SEVERAL CASES WHERE CHAIRS FOR PESKS & PINING ARE CONCERNED, WE HAVE RECOM-MENTED TAKING THE BEST FOLDING CHAIRS WHICH EXIST IN THE MARKET NOW & BUYING THEM. THESE ARE USUALLY FAIRLY COMPLEX TO BUILT; HOWEVER, YOU MAY BE ABLE TO PEVELOP YOUR OWN VERSIONS AFTER ALL. REMEMBER THAT BOTH THE DIRECTORS CHAIR AND ITS EUROPEAN EQUIVALENTS ARE ALSO COMFORTABLE LOUNGING CHAIRS AS WELL.



IN OTHER CASES WE HAVE SHOWN WHAT YOU CAN BUILT YOURSELF. HERE AGAIN -> USE OUR ITEAS, SIZES, AND MATERIALS JUST AS A SPRINGBOARD: A JUMPING-OFF PLACE, A STARTER FOR YOUR OWN IMPROVEMENTS.

FINALLY: USE WHAT EXIGTS! THIS PICTURE SHOWS A SECRETARIAL PESK CHAIR, VINTAGE

1907, AND PURCHASED IN THE MIDDLE WEST FOR \$100 AT AN OFFICE BANKRUPTCY GALE. HARLANNE PAINTED IT IN BRIGHT RED ENAMEL & RECOVERED IT WITH A marimekko COTTON PRINT. WE'VE USED IT FOR FIVE YEARS, WHEN WE MOVE TO PENMARK IN 5 WEEKS, WE CAN PROBABLY RE~CYCLE IT BY SELLING IT FOR \$200!

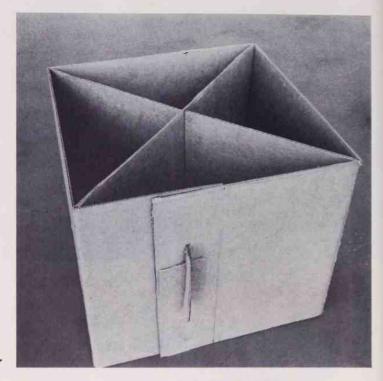


AND FINALLY A REALLY FAR-OUT CONCEPT IN GEATING: EXPERIMENTAL WALL-SUPPORTED LOUNGE CHAIRS. THESE WERE PESIGNED SEVERAL YEARS AGO BY OUR FRIEND ANTII NURMESNIEMI, A LEADING INDUSTRIAL DEGIGNER IN HELSINKI. THEY ARE INCLUDED HERE FOR SEVERAL FRANKLY SPECULATIVE REASONS: PROVIDED THE WALLS & WALL-ANCHORS ARE STRONG ENOUGH ~ COULD THE CHAIRS' POSITIONS BE VARIED? COULD THIS JUST BE USED AS A WALL-STORAGE METHOD [SIMILAR TO THE SHAKERS, WHO HUNG THEIR CHAIRS ON THE WALLS WHEN NOT USED]? HOW WOULD A MODIFICATION OF DOUGLAS SCHOEFFLER'S LOUNGING CHAIR [PAGE 33] WORK IN THIS SET-UP?

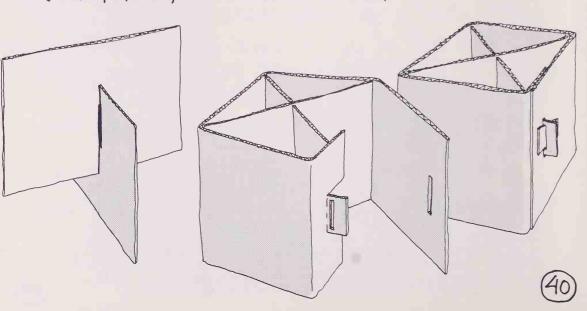
THE GRECULATIVE QUESTIONS ARE ENDLESS: HOW ELSE COULD ONE GIT ON A WALL? CAN SEATS HANG FROM STANDING BOOK CASES & STORAGE SYSTEMS? OR IS THE NOMARIC IPEAL TO HAVE 2 FOAM PADS IN ONE'S HIP-POCKETS & GIT ANYWHERE > YOUR SLACKS AS AN EASY-CHAIR?

## Simplest Support:

PROBABLY THE SIMPLEST
SUPPORT STRUCTURE
THAT CAN BE BUILT
OUT of CORRUGATED
CARPBOARP, THAT IS
ALSO SELF-FASTENING
[NO GLUE on FASTENERS
ON TAPE] IS THIS. >>
WHEN MOVING IT
FOLPS ABSOLUTELY
FLAT. IT WILL SUPPORT



UP TO 400 POUNTS. YOU CAN CHANGE THE HEIGHT & WIPTH PIMENSIONS AND USE IT TO SUPPORT BEDS, TABLES, DESKS, CHAIRS, STOOLS, ETC. -> SEE ALSO PAGE 49.



## EATING + LIOPLINGS

EATING IN BED CAN BE FUN. AND WORK & COURGE IS CARRIED OUT UNDER ALL KINDS & CONDITIONS, AND IN MANY ODD PLACES.

BUT FOR THE PURPOSES OF THIS SECTION, WE ARE TALKING ABOUT EATING AT TABLES. THE KIND OF WORK SURFACES THAT WE ARE CONCERNED WITH ARE DESK TOPS, WORKBENCHES AND THE KIND OF DRAWING GURFACES THAT A DESIGNER, ARTIST OF DRAWING TABLES, ARE SOMETIMES AT DESK-HEIGHT, SOMETIMES AT THE CORRECT HEIGHT FOR TALLER STOOLS. STILL OTHER PEOPLE [VIC& SIM FOR INSTANCE] PREFER TO STAND WHILE DRAUGHTING. MOST BOOKS THAT DEAL WITH

HUMAN MEASUREMENTS ADVOCATE "STANDARD PINING TABLE HEIGHT" of 30" or, sometimes, 291/2". IN FACT, MOST STORE-BOUGHT TABLES ARE THAT TALL. WE ADVOCATE THAT TABLES OUGHT TO BE PRASTICALLY LOWER, ANYWHERE BETWEEN 271/2" TO 283/4". IN ONE SPECIAL CASE, WE

42

HAVE EVEN MAPE A CASE FOR A PINING TABLE THAT IS ONLY 23'S INCHES TALL.

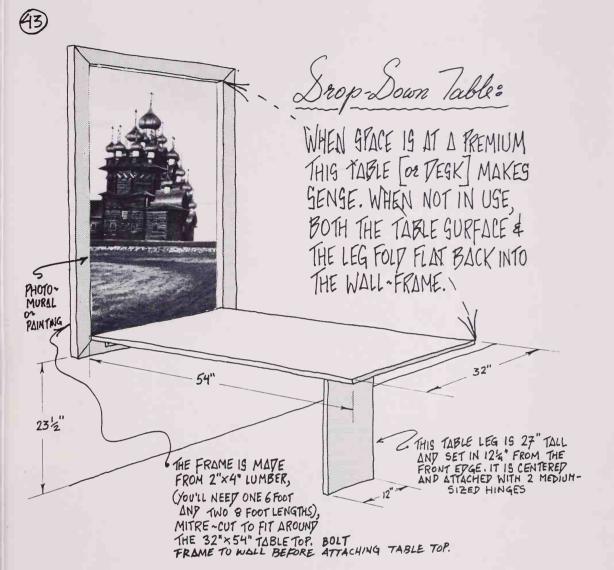
WORKING WITH TRIFFERENT TYPES & PRAWING TABLES, WE HAVE BOTH FOUND THAT THE ANGLE ADJUST ~ MENT FOR THE TABLE SURFACE IS USED VERY LITTLE. MOST PEOPLE WILL FIND AN ANGLE THAT GEEMS COMFORTABLE TO THEM, AND THEN LEAVE IT LIKE THAT "FOREVER". YOU CAN EXPERIMENT WITH VARYING ANGLES [BY PROPPING UP THE FAR SIDE OF A PLYWOOD BOARD WITH SOME BOOKS], AND THEN KNOW WHAT YOUR PERSONAL PREFERENCE IS. THEN CHANGE OUR PESIGN SUGGESTIONS TO YOUR "IPEAL" ANGLE.

SOMEONE ONCE PEFINEP A TABLE AS "AN EXTENSION of THE FLOOR". WE FEEL CERTAIN THAT IF YOU THINK OF EATING & WORKING TABLES IN THAT LIGHT, YOU CAN MAKE YOUR OWN VARIATIONS ON THE IPEAS WE HAVE

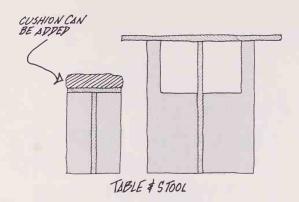
PEVELOPET HERE.

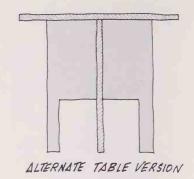
AGAIN: WHAT WE HAVE SELECTEP IN THIS
CHAPTER REPRESENTS A GOOP CROSS-SECTION OF THOSE
THINGS YOU CAN EASILY BUILD OF BUY, THINGS THAT
MAKE SENSE IN TERMS of A NOMADIC LIFE-STYLE. BY
NO MEANS HAVE WE SUCCEEDED IN LISTING EVERYTHING.
MATERIALS, SUPPLIES, TOOLS & SKILLS

WILL BE AS PIFFERENT AS YOUR NEEDS. THAT'S WHERE YOU COME IN!



WHEN VIC BUILT A TABLE LIKE THIS IN A ONE-ROOM OFFICE IN CANAPA, HE ALSO CUT A PIECE of FOAM-CORE BOARD JUST A MILLIMETER LARGER THAN 32"×54". HE COULD THEN PLACE THIS WHITE FOAM-CORE SHEET IN FRONT of THE FOUDED-UP TABLE WITHIN THE WALL FRAME, AND USE ONE SIDE AS A PIN-BOARD, THE OTHER AS A PROJECTION SCREEN FOR SLIPES.





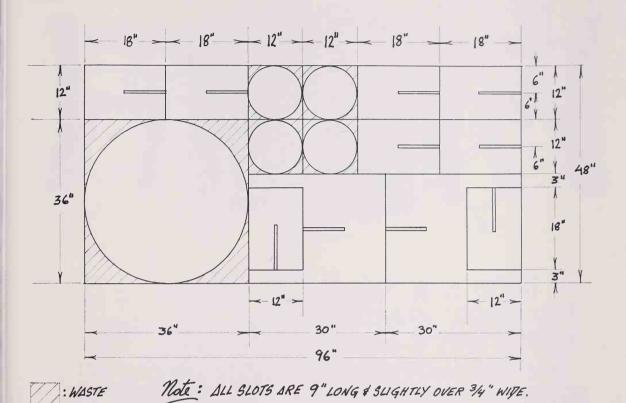
JIM USES THIS TABLE AND FOUR STOOLS IN HIS HOME. AS YOU CAN SEE, IT IS REALLY THE MOST MINIMAL METHOP of GOLVING THE PROBLEM.

NO GLUE, NAILS, SCREWS OR FASTENERS ARE NEEDED FOR THE BASIC "X"-SHAPED UNDERSTRUCTURE. WE RECOMMEND THAT YOU USE SMALL ANGLE-BRACKETS & FLAT-HEAD WOODCREWS TO ATTACH THE TABLE TOPS AND THE GEATS OF THE STOOLS TO THE BOTTOM "X". WHEN MOVING, YOU CAN JUST UNSCREW

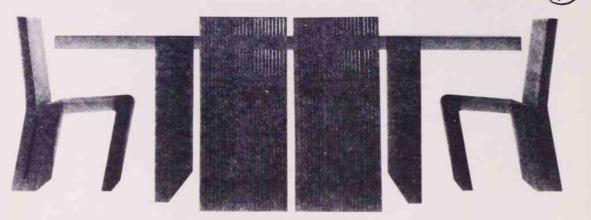
THEM AND THEN SLIPE THE WOODEN PIECES APART.

PLYWOOP, YOU CAN USE CHIP-BOARP, FINISH THE EDGES WITH TAPE AND PAINT THE UNITS. YOU MIGHT NAIL FURNITURE GLIPES INTO ALL BOTTOM EDGES.





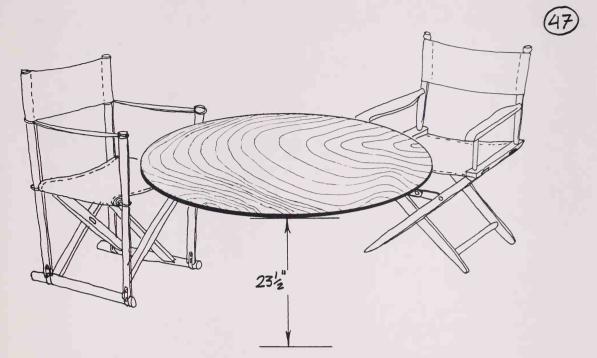
PSY FOLLOWING OUR CUTTING PIAGRAM [ABOVE] YOU CAN GET EITHER OF THE TWO TABLE VERSIONS, AS WELL AS FOUR STOOLS, OUT of A STANDARD 4 × 8-FOOT SHEET of PLYWOOD. USE 34" or 15/6" PLYWOOD. IF YOU WANT TO ADD CUGHIONS, YOU CAN GET POLYURETHANE FOAM, PRE-CUT AS "BAR STOOL TOPS" & COVER THEM IN WHATEVER FABRIC PLEASES YOU. THE TABLE & STOOLS KNOCK DOWN INTO A NEAT, FLAT PACKAGE & ARE EASY TO TRANS-PORT. IF YOU WISH, YOU NEED NOT REMOVE THE FOUR WASTE AREAS AROUND THE TABLE [CROSS-HATCHED IN THE ABOVE DIAGRAM], AND YOU'LL HAVE A SQUARE TABLE. YOU COULD ALSO HAVE SQUARE STOOLS BY THE SAME METHOD.



ON PAGE 23 IN THE "SEATING" SECTION of THIS BOOK, WE HAVE FULLY PEGCRIBEP ARCHITECT FRANK GEHRY'S "EASY EVGES" MATERIAL. ABOVE IS A PINING TABLE SEATING SIX AND ITS ACCOMPANYING CHAIRS. THESE PIECES ARE ALSO VE~GIGNEP AND MARKETED BY GEHRY'S FIRM IN SANTA MONICA. THE TABLE SELLS FOR ABOUT \$100- [IT IS SO WELL STRUCTURED THAT IT CAN SUPPORT ABOUT 1000 POUNDS], THE CHAIRS ARE LESS THAN \$30- EACH.

THIS IS A CASE WHERE THE UNUSUAL SOUND ~ ABSORBING PROPERTIES, AT THE SOURCE, OF THIS MATERIAL COME TO BE VERY HANDY IN REDUCING THE CLATTER OF DISHES.

WE SHOW IT HERE BOTH AS AN EXCELLENT EXAMPLE of PESIGN MAPE FROM "WASTE", WHICH YOU MIGHT BUY, AS WELL AS A CONCEPT of LAMINATION FROM WHICH YOU MIGHT PEVELOP YOUR OWN PESIGN IPEAS.



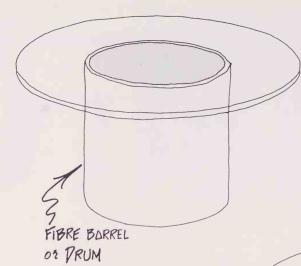
WHILE WE ARE NOT TRYING TO LOWER TABLE HEIGHTS TOO PRASTICALLY, THERE ARE SPECIAL CAGES WHEN AN UNUSUALLY LOW TABLE MAKES GENGE. INGELIGE BRATVOLP & GEORGIEPPE, WHO PUBLISH "MOBILIA" MAGAZINE IN DENMARK, HAVE A VERY INFORMAL LOW TABLE, SURROUNDED BY FOLDING SWEPISH PIRECTORS CHAIRS. THIS TABLE IS ONLY 23½" TALL, AND SERVES EXCELLENTLY FOR BREAKFASTS, BRUNCHES OR RELAXED SUPPERS WITH FRIENDS.

THE TABLE IS ROUND AND HAS A DIAMETER & 51/2 INCHES AND THUS ACCOMMODATES FOUR PEOPLE SO EASILY THAT SIX AND, IN A PINCH, EVEN EIGHT PEOPLE CAN SIT

DROUND IT.

→ AS 51/2" IS WIPER THAN THE 48" STOCK PLYWOOD WIPTH, WE SUGGEST THAT IT CAN BE CUT of 2 SEMI-CIRCLES. AS TO HOW TO SUPPORT A TABLE-TOP [AT ANY HEIGHT]:





POLE: ON THIS & THE
FOLLOWING PAGE, ALL
TABLE~TOPS ARE SHOWN
AS TRANSPARENT, SO THAT
YOU CAN SEE THE SUPPORT
STRUCTURES CLEARLY. FOR
THESE EXAMPLES WE HAVE
ASSUMED ROUND TOPS, 36"IN
DIAMETER & HEIGHTS & 27½".

FIVE FIBRE TUBES,

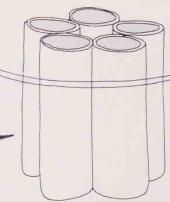
CARPBOARP MAILING

TUBES, ETC. YOU CAN

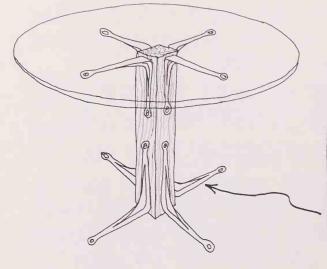
EPOXY THEM TO GETHER

OR USE TAPE, THEN

PAINT.

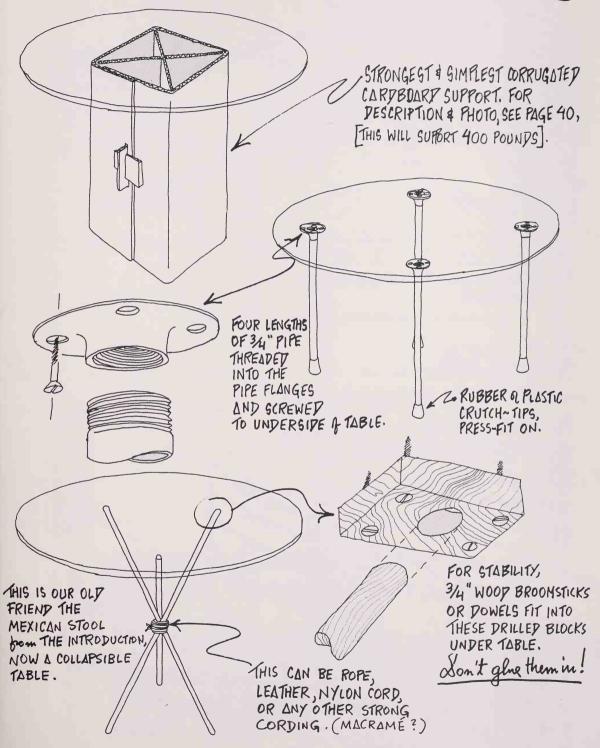


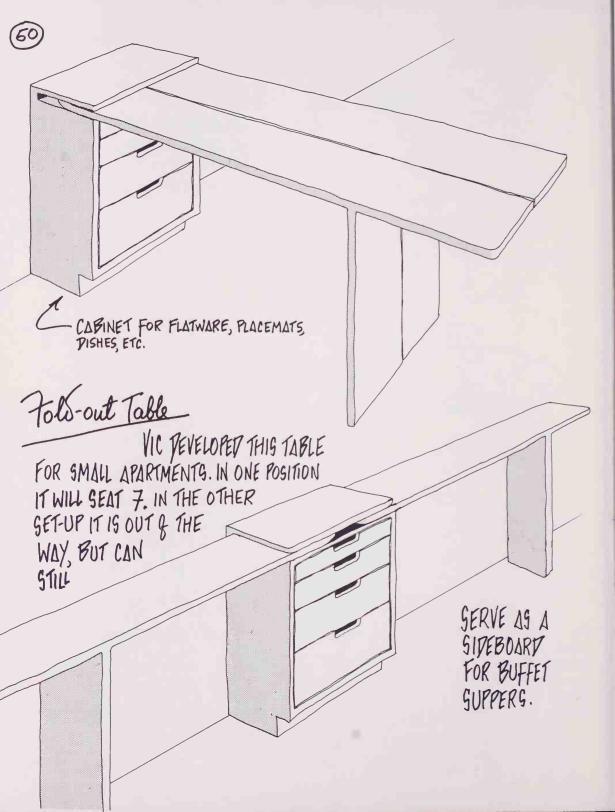
YOU CAN, OF COURSE, SUBSTITUTE SQUARE OR HEXAGONAL TOPS.

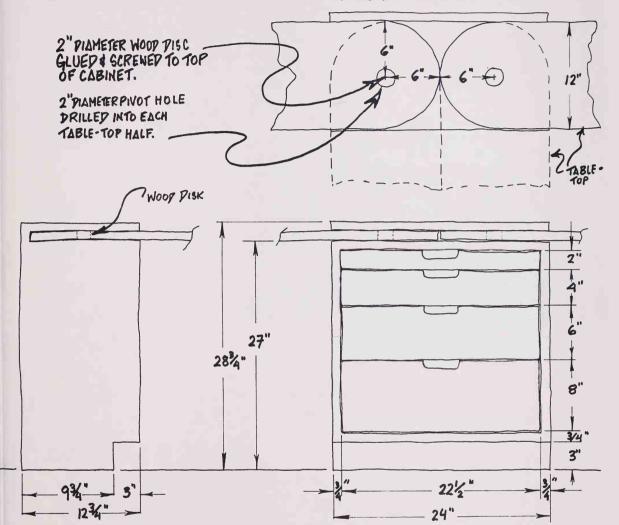


USE EIGHT LARGE-SIZE ANGLE BRACKETG, SCREW INTO 350×350" WOOP.









WE SUGGEST 4 PRAWERS, AS SHOWN. BUT YOU MAY PREFER OPEN SHELVING, OR CABINET POORS, WHAT~ EVER.

ASSUMEP MATERIAL IS 3/4" PLYWOOP, PAINTEP.
YOU CAN BUY ALUMINUM "L" EXTRUGIONS AT THE HARDWARE
STORE & MOUNT THEM HORIZONTALLY IN THE CABINET AS
PRAWER GLIPES.



## Multi-use Tables:

THIS WORK-TABLE OF VIC'S HAS A BUTCHER-BLOCK TOP. THAT MAKES IT AN APPROPRIATE SURFACE FOR PRAWING, PRAUGHTING, MOPEL-BUILPING, JEWELLERY

MAKING AND GENERAL PESK WORK. IT IS AN EXCELLENT DESK-TOP SIZE [30"×60"], WHICH ALSO MAKES IT IDEAL AS A DINING TABLE, COMFORTABLY SEATING SIX PEOPLE.

THE BUTCHER-BLOCK TOP [SEE NEXT PAGE], NATURALLY MAKES IT ALSO AN IPEAL TABLE FOR COOKING, CUTTING MEAT, CHOPPING VEGETABLES of ROLLING OUT POUGH.

GINCE THE TOP IG

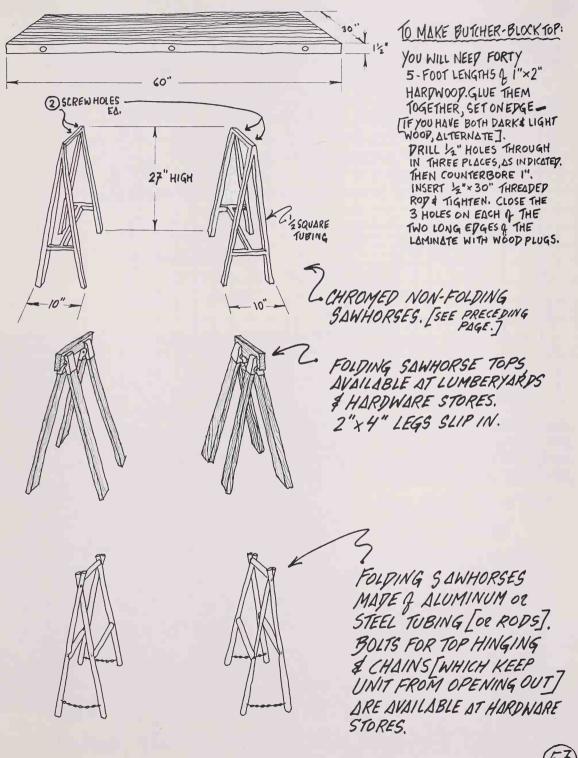
GECUREP TO THE TWO CHROMEP GAWHORSES WITH ONLY FOUR

2½" WOODSCREWS, THE WHOLE THING COMES APART FOR EASY

MOVING - [CAUTION -> THE SAME WEIGHT THAT KEEPS THE

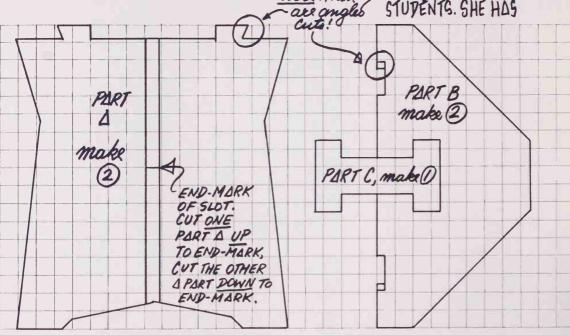
TOP FROM MOVING, ALSO MAKES IT VERY HEAVY. THAT'S

A CHARACTERISTIC of WOOD LAMINATES].



Nan del Monte's collapsible stool: note: these

NAN PEL MONTE IS ONE & JIM & VIC'S STUDENTS. SHE HAS

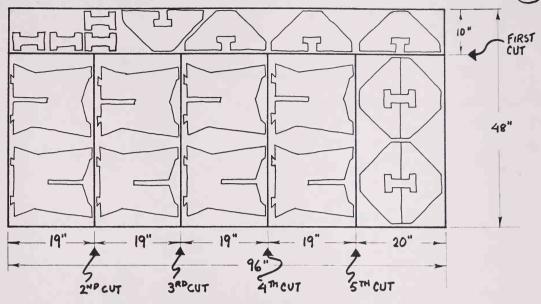


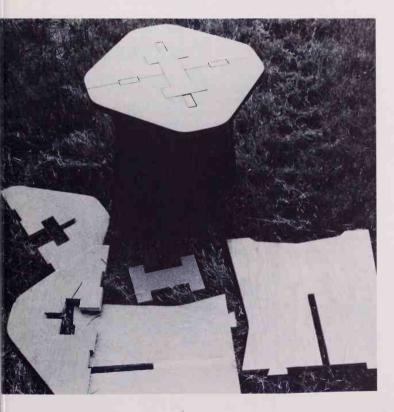
EACH SQUARE ON GRID EQUALS I"x1" ENLARGE THIS GRIP TO GET A FULL-SIZE PAPER PATTERN & THEN TRACE THE PATTERNS ON 3/4" PLYWOOP.

PEVELOPED THIS STOOL WHICH KNOCKS POWN COMPLETELY. THE SLOTS PO ALL THE WORK, SO THAT NO GLUE OR FASTENERS

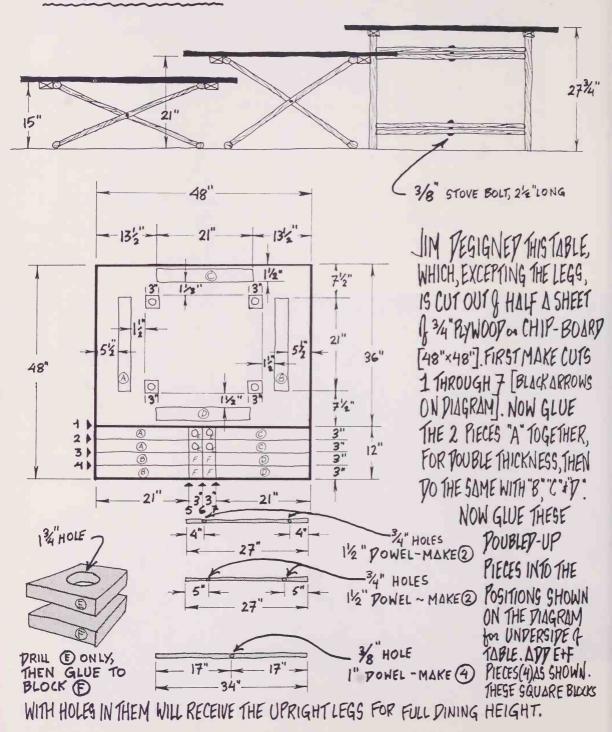
ARE NEEDED. ALL THE SURFACES, ESPECIALLY ON PART C, MUST BE VERY ACCURATE FOR A SNUG FIT. SINCE YOU ARE USING PLYWOOD ALL EPGES SHOULD BE FINISH-GANDED [PRESSED] TO AVOID SPLITS & SPLINTERS. USE TAPE OR MAGIC MARKER OR NOTCHES TO IDENTIFY THE BEST FITTING POSITION FOR THE PARTS.

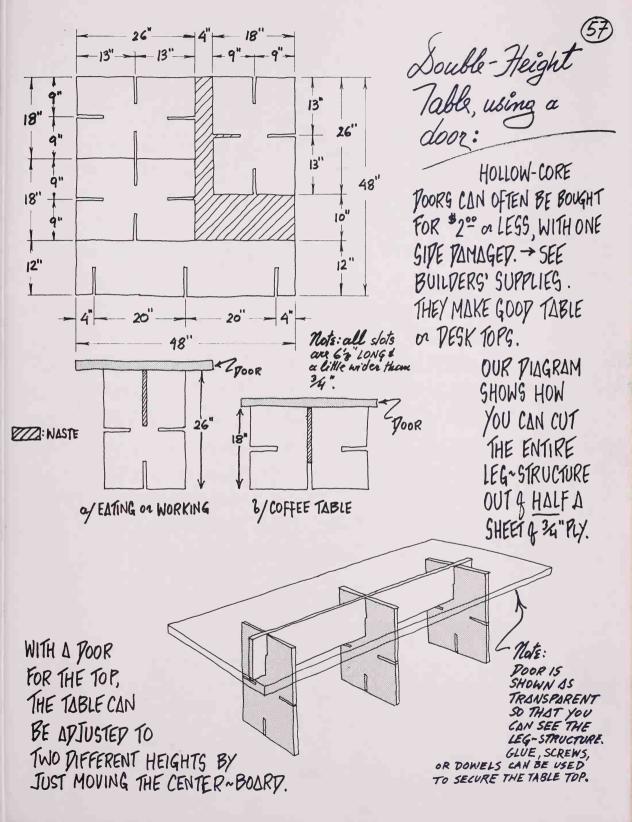
HER STOOL CAN BE EASILY CARRIED AND IS ONLY 4 PLYWOOP THICKNESSES WIPE [2/2"] WHEN KNOCKEP POWN, AT MOST.





YOU CAN MAKE FOUR OF THESE STOOLS OUT OF A STANDARD SHEET OF PLYWOOD [4×8 FEET], BY FOLLOWING OUR CUTTING PLAGRAM ABOVE. FIRST RIPCUT THE 10"STRIP OFF, THEN MAKE THE OTHER FOUR CUTS. THIS WILL LEAVE YOU WITH PIECES THAT ARE MORE MANAGEABLE IN SIZE FOR THE MOREPRECISE CUTTING. YOU MUST BE PRECISE TO HAVE THIS STOOL WORK.



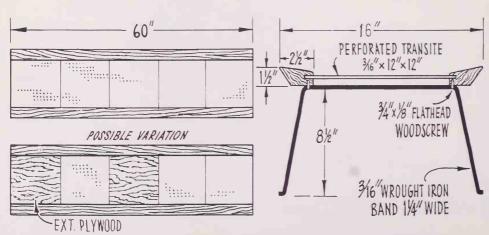




VIC PEGIGNEP THIS TABLE NEARLY 20 YEARS AGO IN GAN FRANCISCO. IT IS BASEP ON A COMPLETELY NEW SYSTEM OF HOLPING THE 5-FOOT-LONG TABLE TO-GETHER WITH ONLY 8 WOODSCREWS, AND STILL

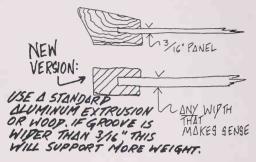
MAKING THE IXI-FOOT PANELS, WHICH FORM THE TABLE SURFACE, COMPLETELY INTERCHANGEABLE. THE PESIGN WAS PUBLISHEP BY "SUNSET" MAGAZINE PURING THE 50°, AND IMMEDIATELY RIPPED-OFF BY SEVERAL FURNITURE MANUFACTURERS. GURPRISINGLY FOR FAST-CHANGING MARKETS, IT HAS SOLD SUCCESSFULLY FOR 2 DECAPES.

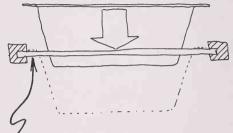
THE FRAME IS MAPE of 2 WOODEN 2"x3"s, SHAPEP & GROOVED TO RE-CEIVE THE FOOT-SQUARE PANELS, WHICH SLIPE IN AND OUT EASILY. LEGS ARE WROUGHT IRON BANDS, BENT INTO SLIGHTLY OUTWARD SLOPED U'S & BENT AGAIN TO FORM THE FEET. ATTACH THEM TO THE 2 FRAME PIECES WITH 8 WOODSCREWS, PLACED IN HOLES DRILLED IN CORNERS & U.



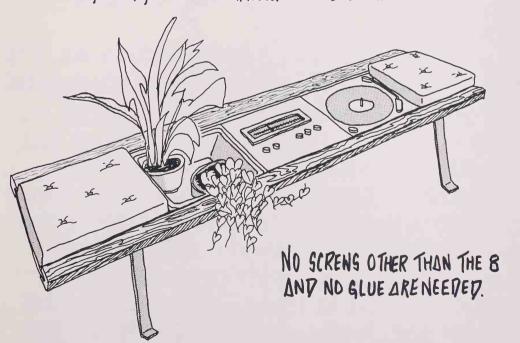
ORIGINAL VERSION

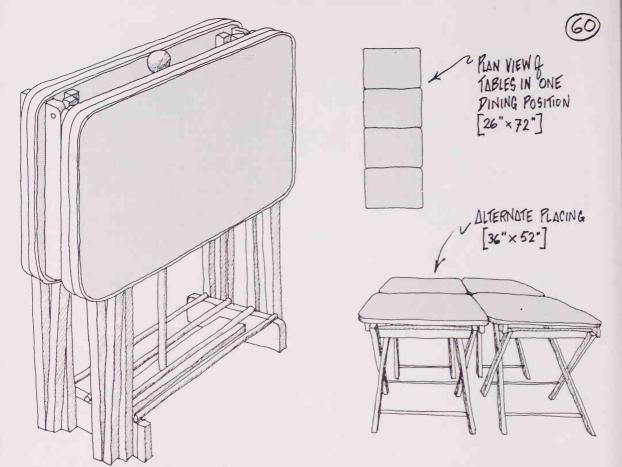
AS YOU CAN SEE, THE 3/6" PANELS,
PON'T HAVE TO BE PERFORATED TRANSITE,
PAINTED MASONITE, WOOD OF GLASS.
YOU CAN MAKE FOAM SEAT-PADS,
PLANT-BOXES, RECORDING & HI-FI
INSTALLATIONS, OUT-SIZE ASHTRAYS,
RIPPLED GLASS PANELS, SHADOW-BOXES
THAT ARE GLASS-TOPPED & LIT FROM
BELOW TO DISPLAY YOUR COLLECTION &
GEASHELLS OF WHAT-HAVE-YOU. OR
HOW ABOUT A 5-FOOT-LONG, SECTIONAL
PHOTOMURAL? BEST & ALL, THIS UNIT
IS HIGHLY NOMADIC: TAKEN APART IT
IS > 2 FRAMES, 2 LEGS, 8 SCREWS + INSETS.





WOODEN OR MASONITE SQUARE TO SLIDE IN & CUT OUT SO RECORD PLAYER OR PLASTIC TRAY CAN DROP IN.





NEARLY ALL FURNITURE & PEPARTMENT GTORES SELL SETS OF FOUR FOLDING TABLES. THESE MAKE GREAT GENGE, GTANDING NEXT TO INDIVIDUAL CHAIRS FOR SUPPER. WE HAVE INCREASED ALL VIMENGIONS, GO THAT THE TABLES NOW STAND 26 INCHES TALL, WHICH MAKES THEM PERFECT NEXT TO A CHAIR, BUT ALSO PERMITS FOUR, SIX, 02 EIGHT of THEM TO FASTEN TOGETHER INTO A GOMEWHAT LOWER-THAN-AVERAGE DINING TABLE, SEATING 6 TO 10 PEOPLE. TABLE TOPS ARE NOW 26" X 18". FOR THE BUILDING YOU CAN COPY THE JUNKY PLASTIC & METAL SETS NOW AVAILABLE. IF YOU BUILD YOUR OWN of HARDWOOD LEGS & PLY TOPS AND TO OUR GIZES, PROVIDE A LIP OF OVERHANG TO THE TOPS. THIS WILL PERMIT YOU TO JOIN THEM INTO A DINING-TABLE WITH SMALL "C" CLAMPS.

Simple Drawing Table:

IF YOU LIKE TO POPRAWING, PRAUGHTING, LAYOUT OF PASTE-UP WORK IN A STANPING POSITION, THEN THIS IS ONE of the SIMPLEST NOMAPIC GOLUTIONS TO YOUR PROBLEMS. BY BEING A WALL—HUNG UNIT, IT FREES TABLE GURFACES, ESSENTIAL WHEN ROOMS ARE SMALL & SPACE IS VALUABLE.

JIM& VIC BOTH
PREFER TO DRAW STANDING UP, FEELING
THAT THIS LEADS TO NEATER WORK.

VIC BUILT THIS

GYSTEM WHILE WORKING OUT of A SMALL
HUT IN BALL. BASICALLY THERE ARE
JUST TWO METAL [WROUGHT IRON]

STRAPS, BENT INTO THE TRIANGULAR
WALL BRACKETS. THESE ARE SCRIBED
TO WALL STUPS, ABOUT 6"-9" IN
FROM THE TWO SIPE EDGES of THE
BOARD. TWO WOODSCREWS PER
BRACKET HOLD THE BOARD IN PLACE.
YOU MAY USE AN EXISTING DRAWING BOARD,

JOU MAY USE AN EXISTING YRAWING BOAH 34"PLYWOOD OF CHIP-BOARD, A PARALLEL RULER CAN BE INSTALLED, PLACE AT COMFORTABLE WORKING HEIGHT.

WROUGHT IRON STRAP, 2" WIPE, MAKE(2) 36"-45" FROM FLOOR, DEPENDING ON YOUR HEIGHT CWALL

FLOOR



Hex Tables:

AS A WHOLE SERIES OF VERY LOW TABLES, HEXAGONAL TOPS ARE USEFUL. LIKE THE CELLS IN A BEE'S HONEYCOMB, THEY FIT TOGETHER WITHOUT WASTE.

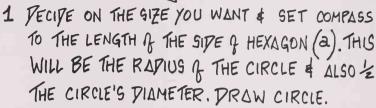
THIS SET OF SIX TABLES PLUS ONE PLANTER & 4 HAND-WOVEN HEX

CUSHIONS, WAS PEGIGNED & BUILT BY VIC SOME YEARS AGO. THEY ARE TWO LEVELS TALL. THE MAJORITY [PLANTER, 2 WALNUT-PLYWOOD ~ TOPPED ONES, THE ONE WITH HEXAGONAL TILES INSET INTO THE TOP & WALNUT EPGED, AND THE MARBLE ~ TOPPED TABLE] ARE 12" HIGH. THE TWO WORMY CHESTNUT TOPS ARE 9" HIGH. THE CUSHIONS ARE EACH 3" THICK. VERTICAL LEG SUPPORTS ARE PAINTED FLAT BLACK.

THIS TOTAL UNIT SERVES BOTH AS "COFFEE TABLE" AS WELL AS A "PINING TABLE" FOR INFORMAL SUPPERS. CHAIRS USEP WITH IT ARE PIRECTORS CHAIRS, BEANBAGS & JUST RECLINING PIRECTLY ON THE CARPET. FOR EXTRA COMPANY, SOME of THE CUSHIONS CAN BE LAIP ON TABLES - PRESTO: AN UPHOLSTERETY STOOL! THESE TABLES STAND ABUSE WELL & ARE HIGHLY NOMADIC: THEY'VE BEEN IN HARD USE 12 YEARS AND MOVED 17 TIMEG. BEST of ALL: VIC BUILT EACH TABLE IN 30 MINUTES!

## How to Sxaw a Nexagon:



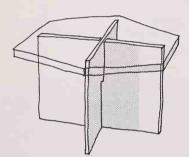




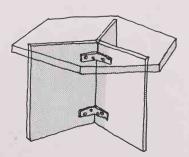
2 WITH THE COMPAGE STILL SET TO THE RADIUS (a),
MARK OFF THIS RADIUS 6 TIMES AROUND THE
CIRCLE'S EVGE.



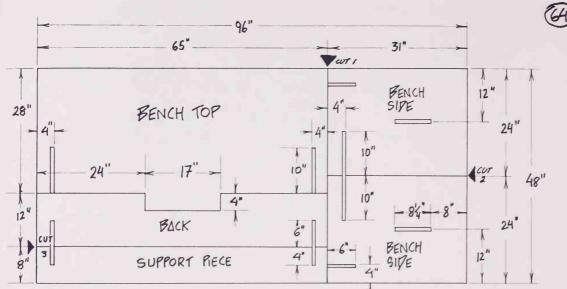
3 CONNECT THE 6 POINTS YOU HAVE MARKED OFF WITH STRAIGHT LINES, YOU NOW HAVE A HEXAGON, ALL & ITS SIPES ARE (a) IN LENGTH.



JIM HAG PRAWN SOME VARIATIONS
ON HEX TABLE SUPPORTS [Note: tops are Season as transparent].



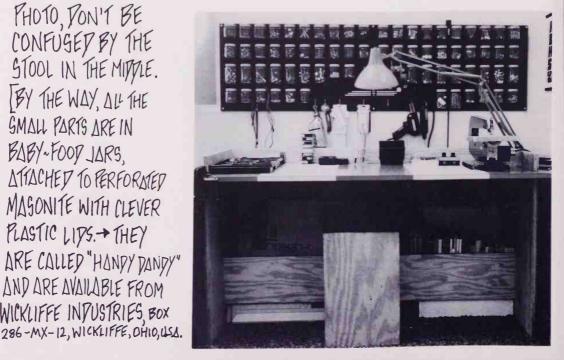
YOU CAN VARY SIZES & MATERIALS AS YOU SEE FIT.

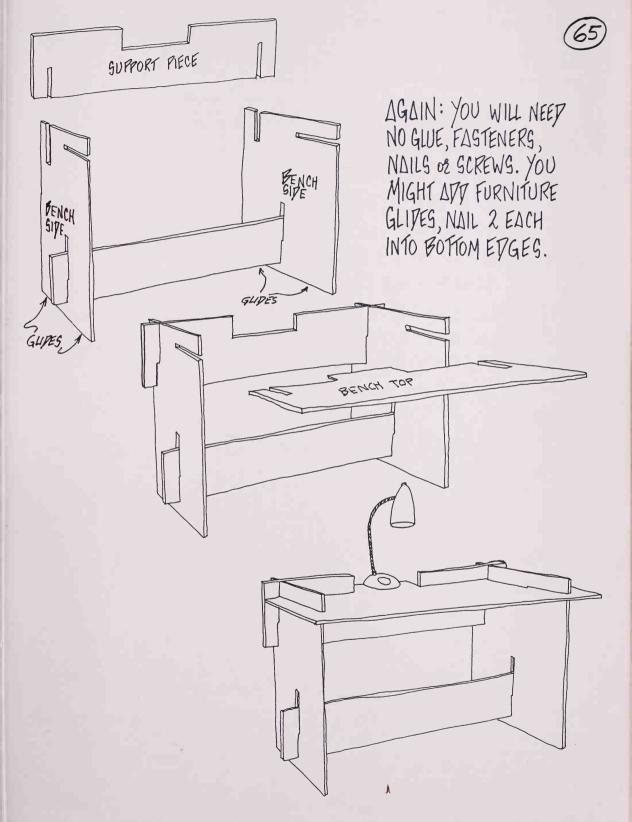


Note: ALL SLOTS ARE SLIGHTLY WIDER THAN 34" ALLOW 1/6" WIGER STILL, IF YOU PLAN TO PAINT THE SURFACES.

JIM'S WORKBENCH & DESK IS MADE OF ONE SHEET OF STANDARD 34" PLYWOOD. YOU MAY SUBSTITUTE CHIPBOARD

FOR THIS. IN THE PHOTO, PON'T BE CONFUGED BY THE STOOL IN THE MIPPLE. BY THE WAY, ALL THE SMALL PARTS ARE IN BABY-FOOP JARS, ATTACHED TO PERFORATED MAGONITE WITH CLEVER PLASTIC LIPS. + THEY ARE CALLED "HANDY DANDY" AND ARE AVAILABLE FROM - WICKLIFFE INPUSTRIES, BOX





## 4-POSITION PRAWING TABLE:

WORKING AT THE CALIFORNIA INSTITUTE of THE ARTS, WE USE PRAWING TABLES THAT WERE SPECIFICALLY PESIGNED & CUSTOM-BUILT. THEY ARE OVER-DIMENSIONED, INCREDIBLY HEAVY, NOISY, NEARLY IMPOSSIBLE TO ADJUST, IMPRECISE, TOPS FALL OFF. FURTHERMORE THEY ARE PANGEROUS, INSTITUTIONAL LOOKING, GROTES QUELY UGLY, BAPLY FINISHED & VERY EXPENSIVE....

NATURALLY WE FELT THAT WE COULD PEVELOP A BETTER & LESS EXPENSIVE FOUR-POSITIONAL TABLE THAT WOULD ALSO BE NOMAPIC. OUR QUESTION REALLY WAS: HOW LONG WOULD IT TAKE TO FIND SUCH A NEW CONCEPT?

THIS TABLE IS THE RESULT of 21/2 HOURS of INTENSIVE WORK.

CAUTION: THIS IS THE MOST PIFFICULT PIECE IN THE

BOOK -> PON'T UNPERTAKE IT FIRST!

PETAIL:
PIPE
BRACKET ->
STORE-BOLT

TURNBUCKLES

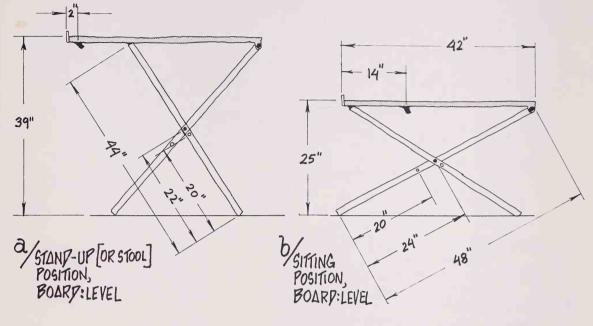
CAUTION: THIS IS THE MOST PIFFICULT PIECE IN THE

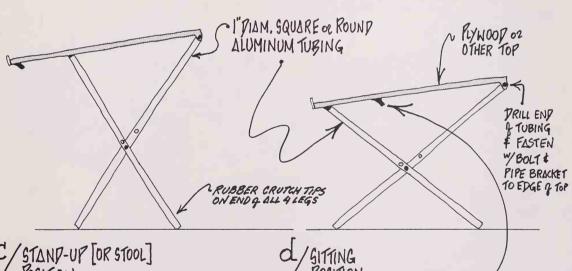
BOOK -> PON'T UNPERTAKE IT FIRST!

STOVE-BOLT

POSITION -> THE PACKAGE IS: 3"×42"×72"







C/STANP-UP [OR STOOL]
POSITION,
BOARP: INCLINED

Note: TO CHANGE TABLE FROM

HIGH TO LOW, MOVE LEGS OF

STRUCTURE.

TO CHANGE FROM LEVEL TO

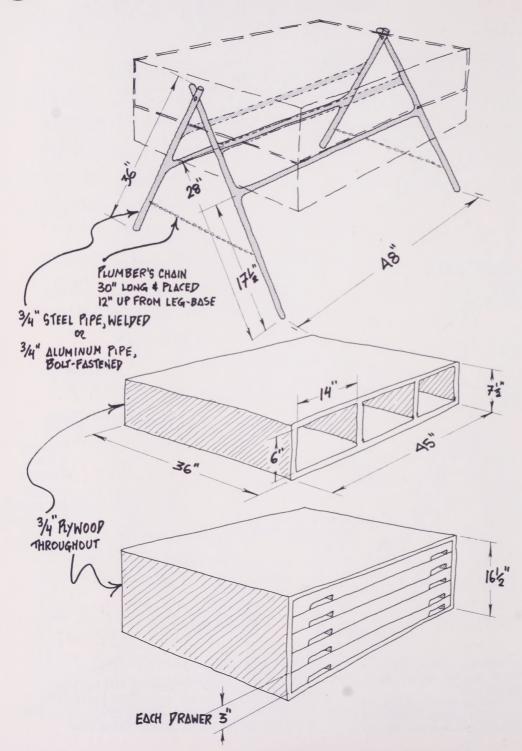
INCLINED CHANGE PIVOT POINTS

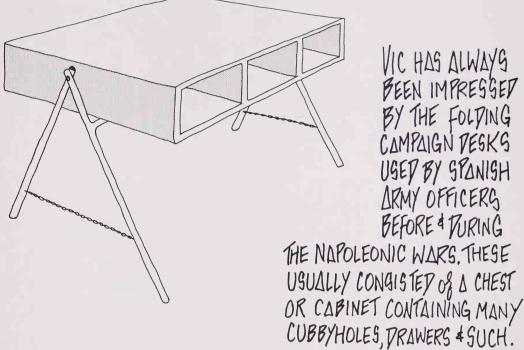
WHICH ARE 2 STOVE BOLTS.

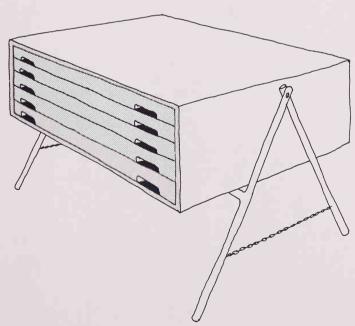
d/GITTING POSITION, BOΔRP: INCLINED

FOR LEG RETAINER
STOPS: BUY 34" WOOD DOWEL & CUT OFF (4)
PIECES, EA. ABOUT 2" LONG. GLUE THESE INTO
4 PIECES & 34" PLYWOOD, EA. 2" x2" WHICH ARE
FASTENED TO UNDERSIDE & TABLE ~ TOP.









THE SECOND PART WOULD BE FOLDING LEG STRUCTURES INTO WHICH THE CHEST PART COULD BE SET FOR USE IN THE FIELD.

HERE ARE
OUR TWO VERGIONS:
ONE IS A PESK, THE
OTHER A GENEROUS
STORAGE CABINET
FOR PRAWINGS, PRINTS
\$ ARTWORK.

WE HAVE MAPE EVERY ATTEMPT TO PROVIDE YOU WITH BASIC INFORMATION IN THIS SECTION. IN ORDER TO BUILD PINING & WORKING TABLES WE HAVE GIVEN YOU BASIC SIZES, A GREAT MANY IDEAS FOR SUPPORT of LEG UNITS, AND SOME MATERIAL IDEAS FOR TOPS.

WE HAVE CONSCIOUSLY STAYED AWAY FROM SUCH WELL-KNOWN STRUCTURES AS A TABLE MADE FROM CABLE REEL SPOOLS, OR A CABLE REEL END [WHICH IS ROUND], NAILED TO A BARREL FOR ITS SUPPORT.

BUT WE HAVE ALGO CAREFULLY LEFT OUT GUCH EXOTICA AS ROUND, JAPANEGE HIBACHI COOKERS INSTALLED IN TABLE TOPS, MARBLE GURFACING, CORK CUSHIONING UNDER TYPEWRITERS, ILLUMINATED TRACING TOPS ON DRAWING TABLES, GOLID BRAGS PIANO HINGES, AND MUCH ELGE.

AGAIN LET US REMIND YOU THAT ALL WE HAVE GIVEN YOU ARE STARTERS. FEEL FREE TO CHANGE, ADAPT, REDESIGN OR IMPROVE ON ANYTHING YOU'VE FOUND IN THIS SECTION OR, FOR THAT MATTER, THE WHOLE BOOK.

IF YOU THINK UP BETTER WAYS, DO AS, WE HAVE PONE - SHARE THEM WITH OTHERS!

# 

THE SIMPLEST WAY TO CUT FOWN ON STORAGE IS TO OWN LESS. THIS IS NOT SAID FACETIOUSLY. LIVING IN A GOCIETY THAT HAS TAUGHT "COMPETENT CONSUMERISM" TO ITS YOUNG FOR MANY DECADES, A GOCIETY IN WHICH MANY ATTEMPT TO AGSERT THEIR OWN PERSONALITIES THROUGH OWNING GLITTERING STATUS OBJECTS, TOING MORE WITH LESS IS APT TO BE DIFFICULT.

BUT EVEN FROM THE GIMPLE VIEWPOINT OF ECOLOGY, WE MUST ALL LOOK AT WHAT WE OWN AND ASK OURSELVES -> CAN I DO WITHOUT IT? DO I NEED TO REPLACE IT? CAN I DO WITH LEGS?

FROM A NOMAPIC VIEW, THE LEGS WE OWN,

THE LEGS WE HAVE TO MOVE.

IN RE~EVALUATING THEIR POSSESSIONS, VIC # HARLANNE FOUND THAT NEARLY EVERYTHING COULD

BE PIVIPED INTO THREE PILES:

FIRST THOSE THINGS THAT "ONE CANNOT LIVE WITHOUT". CLOTHING, BEDDING, DISHES: OF COURSE.
BUT OTHER THINGS FILL REAL NEEDS TOO: BOOKS,

72)

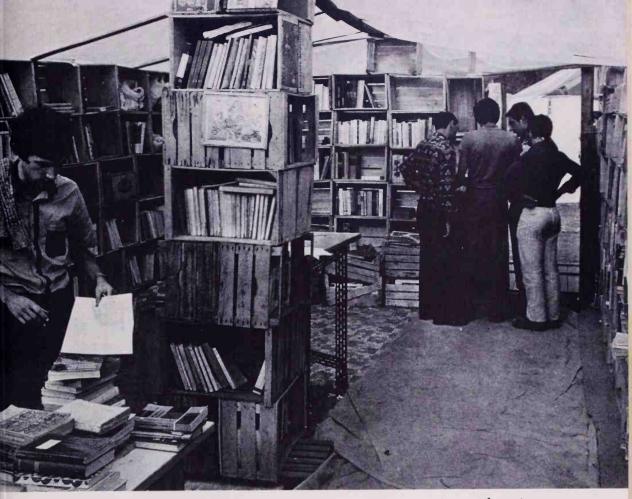
PHONOGRAPH RECORPS, TAPES, CERAMICS, PAINTINGS, FLOWERS, PRINTS, WOVEN HANGINGS, WHAT-HAVE-YOU. THESE BITS OF INFORMATION [AS IN BOOKS of RECORPINGS], OF THESE HANDCRAFTED OBJECTS [REPRESENTING LOVE], OF THE FLOWERS & PLANTS [CELEBRATING LIFE] FILL DEEP HUMAN NEEDS. ALSO ESSENTIAL ARE TOOLS, CAMERA, ETC.

HUMAN NEEDS. ALGO ESSENTIAL ARE TOOLS, CAMERA, ETC.

THE GECOND PILE CONGISTS of THINGS WE CAN DO WITHOUT - EASILY: THAT GORPY LAMP, ELECTRIC COOKIE DEHUMIDIFIER, THE 7 or 8 CLOCKS [WHEN ONE IS PLENTY], THE CARVING SET USED EVERY YEAR or GO. ALSO THOSE THINGS WE ONLY THINK WE NEED: DO WE NEED A WELL APPOINTED DARKROOM, WHEN THERE ARE BETTER ONES AT THE YMCA, THE LOCAL COLLEGE & EVERY OTHER CHURCH BASEMENT? MUST WE MAKE MONTHLY PAYMENTS ON A SLOWLY DETERIORATING WASHER/PRYER WITH A 25¢ LAUNDERETTE AROUND THE CORNER?

FINALLY THERE ARE THOSE THINGS OVER WHICH WE HAVE "CUSTOPIAL CARE". GRANDMOTHER'S GRANDFATHER CLOCK, A CHAIR BY FRANK LLOYD WRIGHT, UNCLE THEOBALD'S FAVOURITE EASY-CHAIR. ON THIS LAST CATEGORY WE CANNOT ADVISE YOU. AS FOR OURSELVES: IT'S ALL IN "PEAP STORAGE".

IF BY NOW YOU'VE GONE THROUGH THIS RE~EVALUATION, READ ON: YOU'RE READY TO STORE WHAT YOU REALLY NEED.



ORANGE CRATES ARE STILL ONE of THE SIMPLEST WAYS TO STORE BOOKS, RECORDS, DIGHES, ROLLED-UP SWEATERS OF WHAT-HAVE-YOU.

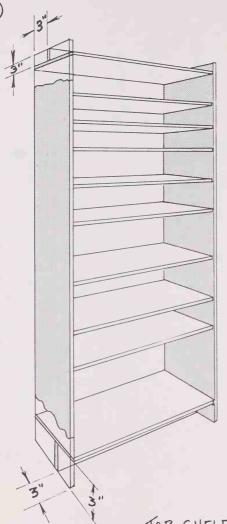
WE HAVE CHOSEN THIS PARTICULAR ILLUSTRATION, BECAUSE IT SHOWS AN ENTIRE BOOKSTORE BUILT OF FRUIT-CRATES. THIS WAS BUILT BY STUPENTS IN MILANO LAST YEAR, TO SELL USED TEXT-BOOKS, RARE BOOKS AND ASSOCIATED ITEMS.

THE BASES ARE FORMED BY FLAT GRAPE BOXES, THE ACTUAL BOOK STORAGE BY ORANGE CRATES. THESE ALSO FORM THE WALLS

OF THE BUILDING, WITH SHEETS of MYLAR AS A ROOF.

BY LOOKING CAREFULLY YOU CAN BUY USED SODA CRATES IN 73

THE FAMILY-SIZE BOTTLES. THESE ARE WOOD & STEEL-REINFORCED.



## "GIMPLEST" BOOK CAGE:

THIS PARTICULAR BOOKCAGE IS
VERY POPULAR IN SWEPEN. IT IS
MAPE & 34" PARTICLE BOARD OF
CHIPBOARD. AS YOU CAN SEE ON
THE NEXT PAGE, IT CAN ALSO
BE CUT OUT & A SINGLE SHEET
OF BOARD OF PLYWOOD.

GINCE IT IS BOTH EASY TO MAKE & INEXPENSIVE, WE'LL TRY TO GIVE YOU EXACT IN ~

STRUCTIONS:

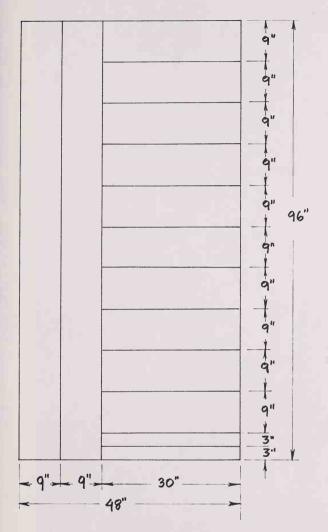
1/ CUT OUT THE TWO UPRIGHTS, THE TEN GHELVES AND THE TWO 3" SPACERS.

2/ SCREW ONE 3" SPACER TO

TOP SHELF, 6 INCHÉS FROM FRONT EPGE & SHELF. GCREW THE OTHER 3" SPACER TO BOTTOM SHELF, 3 INCHES FROM FRONT EPGE & SHELF.

3/ NOW SCREW THE TOP AND
BOTTOM SHELVES WITH ATTACHEP SPACERS TO THE TWO UP~
RIGHTS [USING #8 2½ FLATHEAD WOOPSCREWS] BEING CAREFUL
TO ATTACH BOTH SHELVES & SPACERS TO UPRIGHTS WITH SCREWS.

WHEREVER YOU WISH TO LOCATE THE OTHER EIGHT SHELVES.



5/ ATTACH SHELVES WITH SCREWS.

#### VARIATIONS:

- SINCE THE BOOK CASE HAS
  NO BACK, THE TWO 3° SPACERS
  ARE ALL THAT PROVIDES STURD/NESS UNTIL SHELVES & LOAD
  ARE APPLIED → SOYOU MAY
  GLUE AND USE SCREWS,
  BUT REMEMBER → THE
  PIECE IS NOW LESS NOMAPIC.
- YOU CAN MAKE IT LOWER [84" IS A GOOD HEIGHT] & USE FEWER SHELVES.
- IF YOU BUILD TWO, YOU HAVE REALLY BUILT THREE: PLACE THE TWO YOU'VE BUILT 30 IN CHES APARTS

INSTALL MORE SHELVES BETWEEN THEM.

THIS STEEL SHELF SUPPORT IS CHEAP AND AVAILABLE AT ALL HARDWARE STORES. TO USE IT, SIMPLY DRILL HOLE ON INSIDES & UPRIGHTS & LAY THE SHELVES IN.

THAT MAKES YOUR SHELVES APJUSTABLE, DEPENDING ONLY ON HOW MANY HOLES YOU'VE PRILLED. IT TAKES 4 SUPPORTS PER SHELF.



THE BRITISH ARCHITECTS FARRELY GRIMSHAW DEVELOPED THIS "TROLLEY FURNITURE PACKAGE" FOR A STUDENT HOSTEL. THE KIT CONSISTS IS: A BED ON CASTORS WHICH FITS UNDER THE MAIN FRAME, WHICH IS ALSO ON CASTORS; A CHAIR, LAMP, PLASTIC PRAVERS, ADJUSTABLE SHELVING, ADJUSTABLE DESK TOP, WASTE-BIN, COFFEE TABLE, CLOTHES CLOSET WITH MIRRORED POOR CONTAINING SMALL SHELVING, ETC. PACKAGE SELLS FOR £72-IN ENGLAND. YOU MIGHT USE YOUR OWN INGENUITY IN DE~



VELOPING GOME EVEN MORE NOMAPIC, KNOCK-POWN "LIVING CUBE" THE GREAT APVANTAGE & HAVING THIS KIND of PORTABLE ENVIRONMENT IS, THAT YOU ARE THEN ABLE TO COMPLETELY PIGREGARY THE REAL APARTMENT AND ITS GHABBYNEGS, INTO WHICH YOU THEN INSTALL YOUR "LIVING CUBE", AND USE ONLY THOSE LIFE-SUPPORT FUNCTIONS INHERENT IN THE APARTMENT WHICH YOUR CUBE DOES NOT HAVE:

· OUTLETS FOR LIGHTING, TELEPHONE & TV-JACKS

· RUNNING HOT & COLD WATER, SINKS, SHOWER & TUB

· HEATING SYSTEM

· REFRIGERATOR

· CLOSETS & FLOORING → TO STOW THINGS

· A ROOF TO KEEP AWAY RAIN

· WALLS FOR INSULATION

· A MAIL-BOX FOR COMMUNICATION

BY THUG PIGREGARDING THE VARIOUS REAL APARTMENT INTERIORS THROUGH WHICH YOU MOVE WITH YOUR "LIVING CUBE" OVER THE YEARS YOU ARE ALSO MAKING SURE THAT ALL YOUR INVESTMENTS IN MONEY, MATERIALS, TIME & LABOUR ARE CONFINED TO THAT WHICH YOU OWN & MOVE. SINCE YOU ARE IN FACT DEVELOPING A SORT A "INDOOR TENT" YOU CAN CREATE WALLS & SPACE DIVIDERS WITHIN THE UNIT OUT of THE MOST FRAGILE MATERIALS: PAPER, FABRIC, ETC.

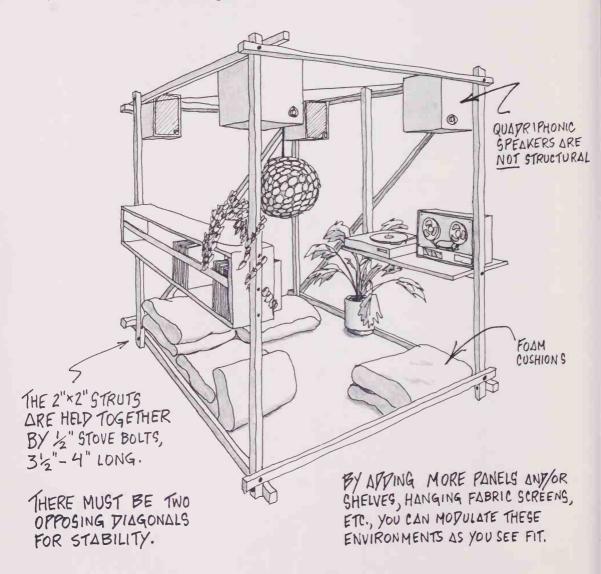
(SEE ALSO VIC'S BOOK "PESIGN FOR THE REAL WORLD", N.Y.

PANTHEON BOOKS, 1972, PAGES 116-117.)

ON THE FOLLOWING PAGES WE SHOW A FEW POSSIBLE CUBES.

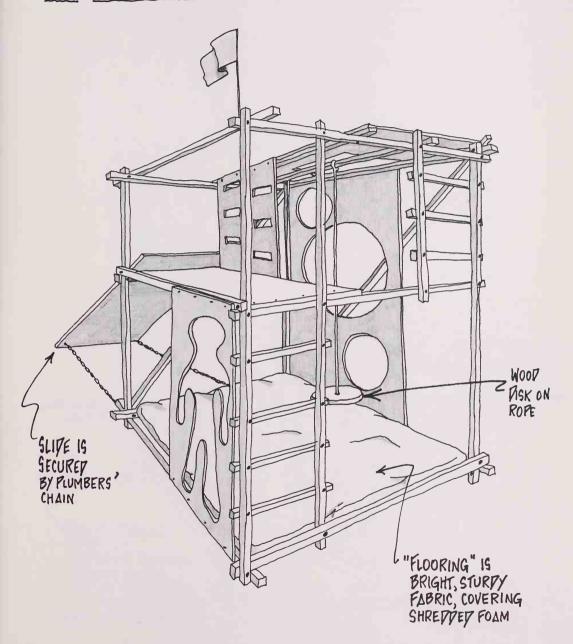
## ENTERTAINING CUBE:

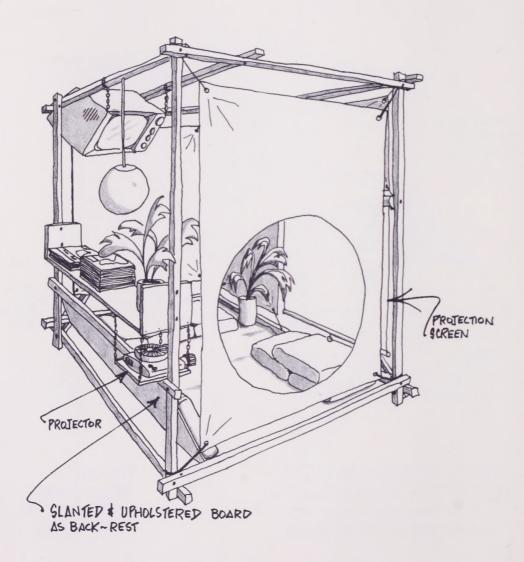
THIS WHOLE GERIES OF CUBES IS CONSTRUCTED & 2"x2" POUGLAS FIR OF PINE AND 34" PLYWOOD PANELS, PLUS ROPE, FABRICS, DOWELS, ETC. ALL THE CUBES ARE 8x8x8 FEET.



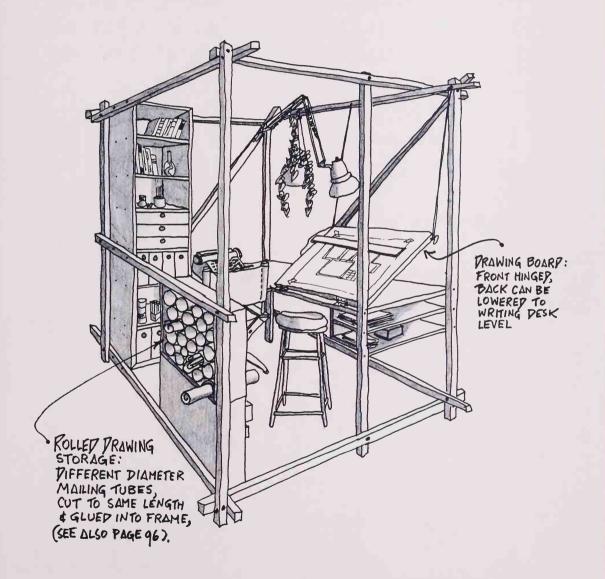
note: FOR BUBBLE LAMP, SEE PAGE 111

# CHILPREN'S CUBE:





## WORK CUBE:

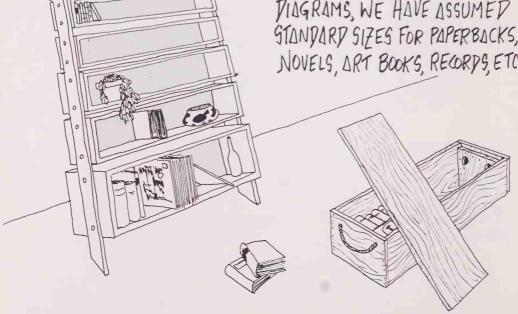


## A COMBINATION of PACKING CRATES FOR BOOKS PLUS SUPPORT:

VIC ORIGINALLY DEVELOPED THIS NEW SUPPORT CONCEPT FOR BOOK-SHELVING, WHICH IS SELF-STANPING BY RESTING AGAINST FLOORS AND WALL, WHILE AT AN ASSUAN PAM MEETING IN EGYPT. THE REASON FOR THIS WAS INSECURE FLOORING AND LACK of AVAILABLE SHELVING.

JIM HAS SINCE THEN DEVELOPED THE HANGING" GHELVES INTO GHIPPING BOXES FOR THE BOOKS. BELOW WE HAVE PRAWN ONE UNIT WITH FIVE SHELVES IN PLACE, IN THE FOREGROUND THE BOTTOM SHELF FOR THE NEXT UNIT WITH ITS SHIPPING TOP & ROPE HANDLES. NATURALLY YOU CAN BUILD

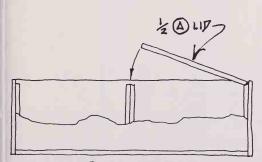
A WHOLE WALL OF THESE UNITS. IN THE NEXT TWO PAGES I CUTTING PLAGRAMS, WE HAVE ASSUMED STANDARD SIZES FOR PAPERBACKS, NOVELS, ART BOOKS, RECORPS, ETC.



2© BOXES 2 A BOXES 1 BOX (B)

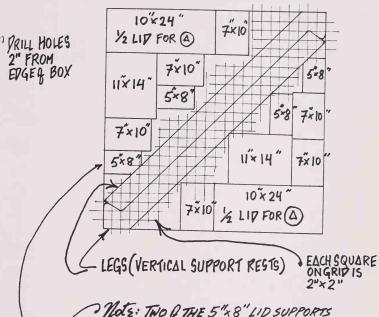
2" FROM

YOU CAN USE THIS SIPE VIEW AS A LAYOUT PLAN. UNIT RESTS AGAINST WALL FLOOR. BOXES ARE MOUNTED BY APEQUATE-SIZED STOVE BOLTS OF "T" NUTS (SEE PAGE 89). THESE BOLTS OF NUTS ARE REMOVED & ROPE HANDLES INSERTED WHEN MOVING.

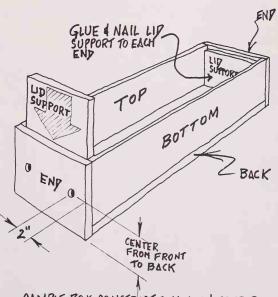


ONE of THE 2 (A) BOXES HAS A 2-PARTLIP. NAIL & GLUE THE 2 EXTRA 7"X10" LID SUPPORTS IN CENTER & BOX AS SHOWN

CUTTING PLAGRAM FOR BOTH VERTICAL SUPPORT-RESTS, ALL LIP~ SUPPORTS & ONE 2-PIECE LID. 1/3 SHEET OF 2" PLYWOOD (48"×48").



Mote: Two of THE 5"x8" LID SUPPORTS HAVE ONE CORNER CUT OFF TO SAVE MATERIAL . THIS WILL NOT AFFECT CONSTRUCTION.



SAMPLE BOX CONSTRUCTION: NAIL & GLUE BOX TOGETHER, THEN DRILL MOUNTING HOLES 2 INCHES IN FROM TOP & BOTTOM & CENTERED FROM FRONT TO BACK.



BACK	(A) 10P	BACK	A Boffom	© 108	© Boff.	ВАСК	B 10P	B BOTTOM	© © 6×9 6×9	
//"	7%	15"	7/3	5/2	51/2	9"	11/2"	11/2"	B 12*15°	
									B 12×15*	
CUTTING PLAGRAM: I SHEET 4×8-FOOT = PLYWOOD										
BOX (A): MAKE 2 BOX (B): MAKE 1 BOX (C): MAKE 2										

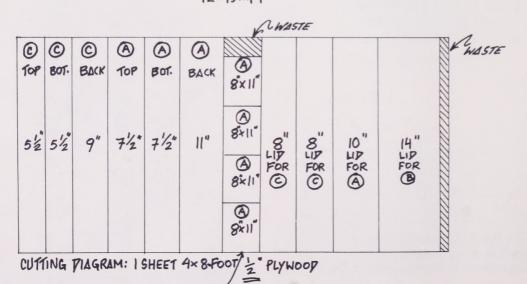
BOX (A): MAKE 2 BOX (B): MAKE 1 BOX (C): MAKE 2

SIPE SECTIONS

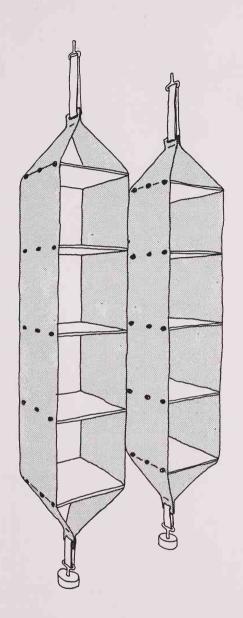
8" X II " X 49"

12" X 15" X 49"

6" X 9" X 49"



ENP PIECES



THESE SUSPENDED BOOK-SHELVES
OF HEMP CANVAS WERE DESIGNED
BY JØRGEN HØJ & DENMARK.
THE INSET SHELVES ARE MADE
OF ALUMINUM & THE WHOLE
UNIT COLLAPSES FOR MOVING.
WEIGHTS ON THE BOTTOM KEEP
THE UNIT FROM TURNING.

- AVAILABLE from:

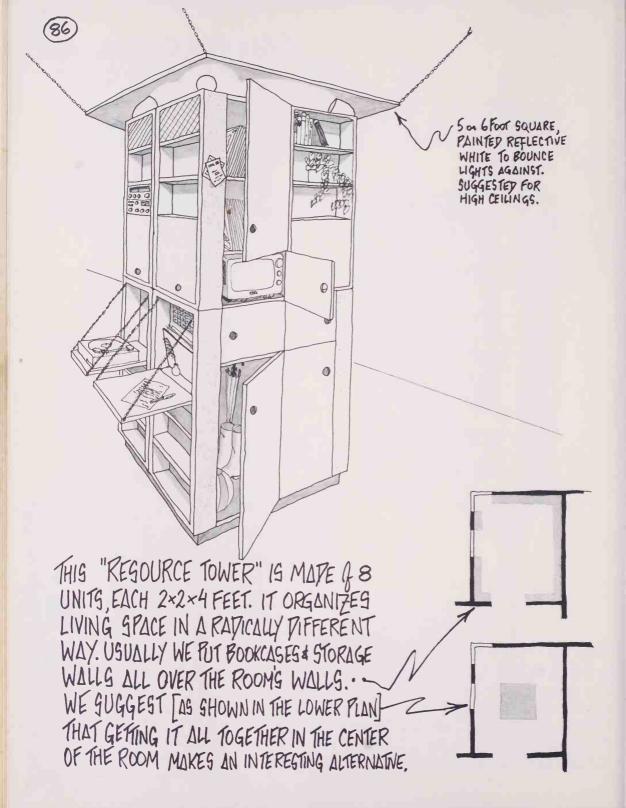
DEN PERMANENTE, VESTERPORT, COPENHAGEN V, DENMARK

THE UNITS ARE SURPRISINGLY
STRONG & WE FEEL THAT YOU CAN
MAKE YOUR OWN VARIATIONS.
TO TO THAT, WE GUGGEST YOU
USE & PLYWOOD SHELVES, PUT

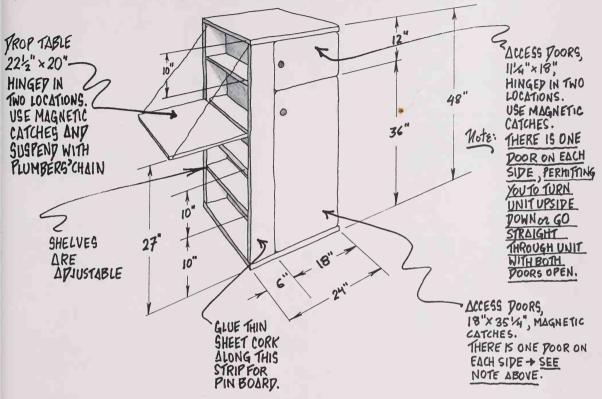
BRASS
GROMMETS
THROUGH THE
CANVAS & USE
WOOPSCREWS
TO SECURE THEM.

NOTICE THAT BEGIVES BOOKS, EVEN A SMALL TV-SET IS SUPPORTED AS THE PICTURE TO THE RIGHT SHOWS, A GOOD IPEA GOON SPREADS. THE UNITS ARE NOW MADE OF FIBREGLASS-REINFORCED HEAVY PAPER, COME IN WHITE, YELLOW, ORANGE, REP, BLUE OF BLACK & ARE 2 METERS (78") TALL. PULLIRS (H+WEBER OF MUNICH, GERMANY ARE THE RIP-OFF ARTISTS RESPONSIBLE. (COURTESY: "FORM.")

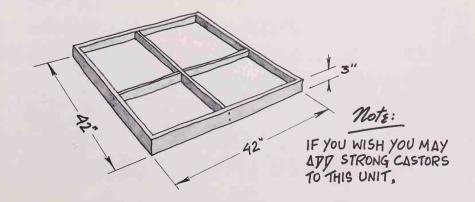


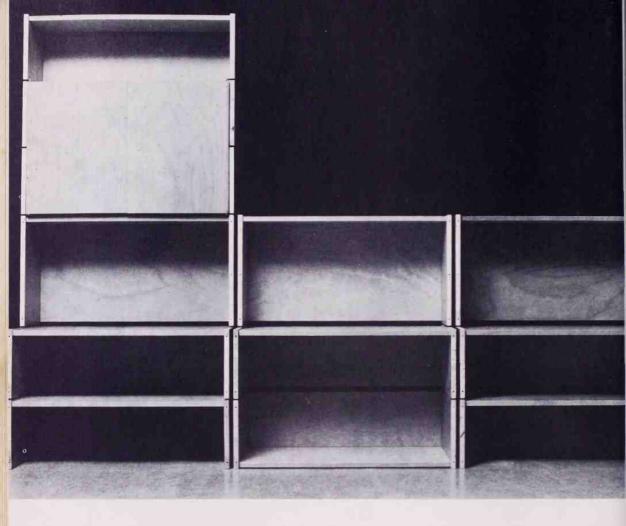


GHELF& CABINET UNIT -> MAKE B FOR "TOWER":



BASE UNIT: MOUNT THE FOUR BOTTOM UNITS ON THIS WITH A 3"
OVERHANG ALL AROUND. THEN MOUNT FOUR TOP UNITS
TO COMPLETE TOWER.

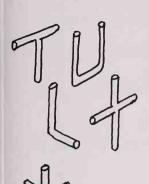




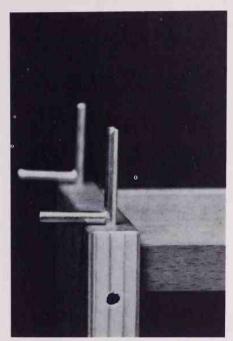
# ABOUT CONNECTORS: LITERALLY HUNDREDS OF CONNECTOR-SYSTEMS EXIST

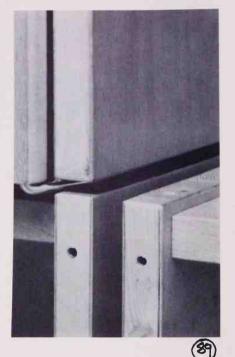
WITH WHICH IT IS POSSIBLE

TO STICK SHELVES, CABINETS or SHELVING UNITS TOGETHER IN ORPER TO FORM STORAGE WALLS OR STORAGE SYSTEMS. ALL & THESE PEPEND ON GOME SIMPLE HARDWARE ITEM & PRE-DRILLED SHELVING - THE BUILDING of THE GYSTEM THEN BECOMES A SIMPLE MATTER of PLUGGING THE PARTS TOGETHER JAND UNPLUGGING THEM FOR MOVING ?. ABOVE ARE A NUMBER of OPEN SHELVING MODULES



OTHER
POSSIBLE
VARIATIONS
OF THIS
CONNECTOR





AND A POUBLE-POOR CABINET. THESE PARTS ARE MADE & PARTICLE-BOARD, COVERED WITH PAPER-THIN VENEER & PRE-PRILLED. THE TWO PICTURES ABOVE SHOW THE STEEL CONNEC-TORS IN PLACE, AS WELL AS THE HOLES. THIS PARTICULAR SYSTEM WAS DESIGNED BY PETER OPSVIK, N.I.L. for A/G STRANDA of

NORWAY. 
WE HAVE ALSO SHOWN SMALL SKETCHES OF OTHER CONNECTORS IN THE GYSTEM, ABOVE LEFT.

THERE IS ANOTHER GOOD SYSTEM-ELEMENT:



TO USE
THIS CONNECTOR, A HOLE
IS DRILLED INTO THE WOOD
AND THE CONNECTOR IS
SCREWED IN THE CONNECTOR
COMES IN SEVERAL SIZES &
ACCEPTS MACHINE SCREWS
GREAT FOR BLIND HOLES!

MAPE BY: ROSAN INC. 2901 W. COAST HIGHWAY NEWPORT BEACH, CALIFORNIA

THIS IS ONE & THE
MOST COMMON CONNECTORS
TO BE FOUND. HAMMER IT
INTO A DRILLED HOLE &
INSERT A MACHINE SCREW
FROM THE OTHER SIDE.
IT IS CALLED A "T" NUT

THIS "T" BAR

IS AMETAL ROP

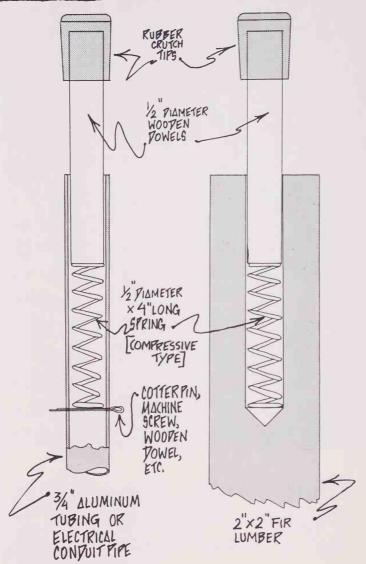
WITH A TAPPED

AND EFFECTIVE

LOCKING

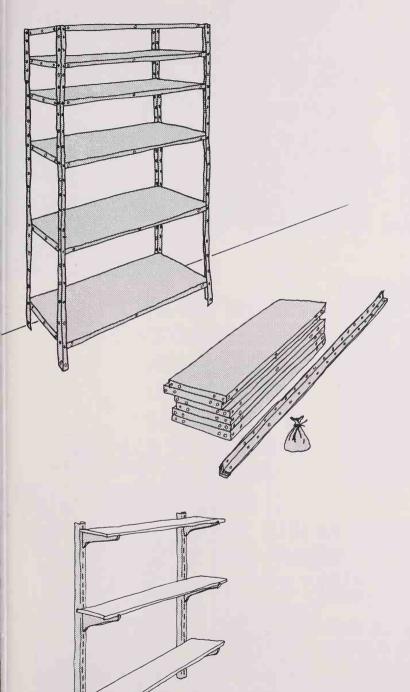
DEVICE.

AVAILABLE AT MOST HARPWARE BTORES.



THE MOST COMMON WAY OF HANGING GHELVING BETWEEN 2 ALUMINUM BLES IS TO PRILL CLEARANCE HOLES THROUGH CENTER, I" IN FROM EACH NARROW SIPE & PUT THE GHELVES OVER THE POLES ["THREATING THEMON"] BEFORE ERECTING THE POLES.

GHELVES CAN BE ATTACHED TO 2x25 WITH GHELF CLIPS [PAGE 75], BOB MOORE'S FRICTION FASTENERS [PAGE 94], OR ANY OTHER FASTENING METHOD YOU LIKE.
THE POLES CAN BE DRILLED THROUGH AT SHELF INTERVALS, WOODEN on METAL POWELS CAN BE USED AS SHELF-RESTS.



THERE ARE A NUMBER OF INPUSTRIAL SHELVING UNITS ON THE MARKET, USUALLY MAPE IF STEEL WITH A PARK-GREEN AGRAY BAKEP ENAMEL FINISH.

THE ONE WE HAVE
GHOWN IS THE GIMPLEST,
UPRIGHTS & SHELVES COME
IN MANY PIFFERENT
GIZEG. YOU CAN OFTEN
FIND THESE UNITS
GECOND-HAND, IF YOU
LOOK IN STORES SELLING
WAREHOUSE & SHOP
FIXTURES.

BRACKETS & STANPARPS

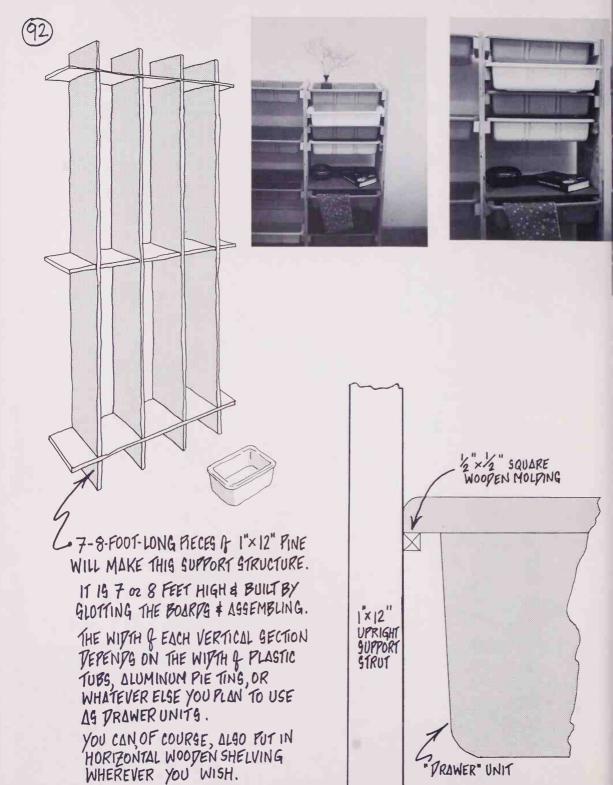
GUCH AS THEGE ALGO

ARE AVAILABLE IN MANY

GIZES & COLOURG. -> SEARS,

HARPWARE STORES, LUMBER
YARPS & STORE FIXTURE

SHOPS ARE THE GOURCES.



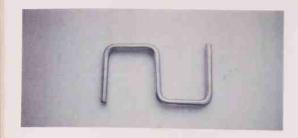


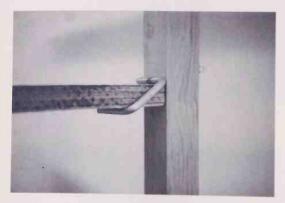
THIG FREE-STANPING UNIT WAS BUILT BY JIM WHEN HE FIRST MOVED TO LOS ANGELES FROM SWEPEN.

11 19 ABGURPLY GIMPLE & PRACTICAL: THE END UNITS ARE TWO FLAT, WOOPEN PEPSI~ COLD CAGES, STANDING ON THE NARROW EDGES \$ FACING INWARD. THE GHELVING 19 PRESGBOARD, WITH ALL BUT THE TOP AND THE CENTER SHELF, TONGUED TO FIT THE PEPSI CASES. PLASTIC TUBS HOLD LINENG, TOYS, ETC. WHEN MOVING, JIM CAN RECYCLE THE CASES & SHELVES & USE THE RASTIC TUBS TO MOVE.





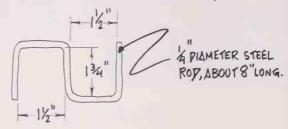








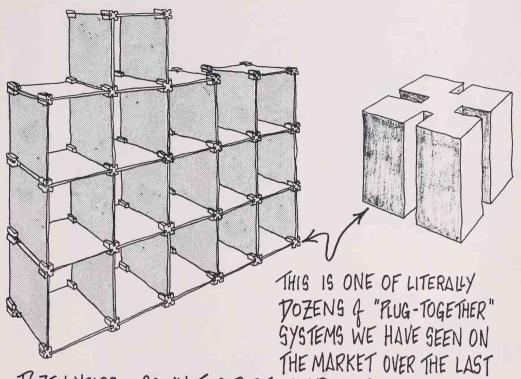
BOB MOORE, ONE of OUR GROWTE STUPENTS, WHO CAME from ENGINEERING AT BERKELEY, PEVELOPEP THIS FRICTION LOCKING CLAMP. IT IS A BEAUTIFULLY SIMPLE & ELEGANT WAY TO SUPPORT BOOKSHELVING.



THE MORE WEIGHT IS PUT ON THE SHELVES, THE STRONGER THE SUPPORT BECOMES. IN OUR RETURES IT IS USED ON 1½" × 1½" WOODEN UPRIGHTS AND SUPPORTS 34" SHELVING. HOWEVER, THE SYSTEM WILL

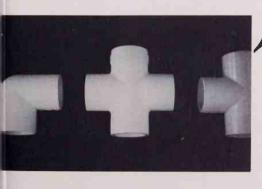
WORK
EQUALLY
WELL ON
UPRIGHT
POLES.



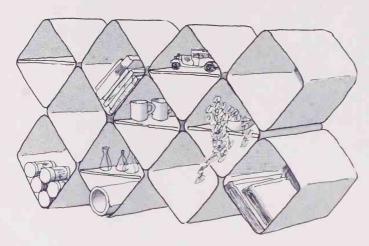


POZEN YEARS 02 SO. IN THIS PARTICULAR SYSTEM BY DIETER SCHEMPPG GERMANY THE PLANES ARE PAINTED PLYWOOD & THE CONNECTORS A'RE BLACK PLASTIC.

OF PARTICULAR NOTE DRE SIMILAR SYSTEMS, WITH PANELS IN GLASS AND/OR CLEAR PLASTIC, AVAILABLE FROM: I THE POOR STORE & BON MARCHÉ, BOTH IN NEW YORK CITY.

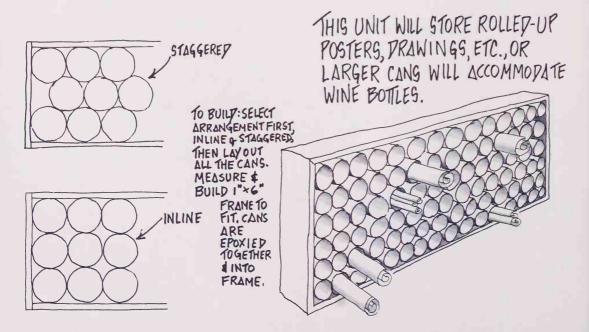


2 THESE PLASTIC PIPE FITTINGS, WITH A PIAMETER OF LEGS THAN 15", ARE AVAILABLE AT MOST HARDWARE STORES. WITH PLASTIC PIPES, OR ALUMINUM OR STEEL TUBING, THEY CAN BUILD UP INTO SHELVING STRUTS, JUNGLE-GYMS, OR INTO OUR CUBES [PF.79-87]



SQUARE TIN OIL STORAGE PRUMS MAKE A GOOP HANGING WALL SHELF, STANDING UNIT 02 SPACE DIVIDER

#### TIN-CAN STORAGE UNITS





THIS SHOWS YOU HOW TO TURN THE PEAP END of A ROOM INTO A CLOTHES & UTILITY CLOSET. FIRST RIP STANDARY 4×8-FOOT SHEETS of PLYWOOD (3/4"), OR FIBRE-CHIP-BOARD, INTO SECTIONS 2×8 FEET. THESE FORM THE UPRIGHTS. A 1/2" or 2" STEEL PIPE, SECURED WITH PIPE FLANGES, WILL SERVE AS A CLOTHES ROD. YOU CAN NOW ALSO INSTALL SHELVES, AND

USE PLASTIC TRAYS OR BOXES AS DRAWERS, [SEE PAGES 92-93].

YOU CAN ALGO HIPE ALL THIS FROM VIEW, AND AT THE SAME TIME PROTECT YOUR THINGS FROM DUST BY RUNNING A FLOOR-TO-CEILING CURTAIN FROM A CEILING TRACK IN FRONT & THE UNIT.

PLAN VIEW & ROOM, SHOWING CLOSET NICHE.



THIS ATTRACTIVE "WALL POCKET"

COMES IN A HARP PLASTIC IN

BRIGHT REP, WHITE, YELLOW,

OR BLACK. IT IS 34×26½

INCHES. HOWEVER IT ALGO

CARRIES A PRICE TAG OF

NEARLY \$50-!

WE GUGGEST THAT YOU CAN
SEW SIMILAR PANELS, OUT I
CANVAS & LINEN IN NATURAL
OR BRIGHT COLOURS. MAKE
THEM 48" WIPE & PROVIPE
BRAGS GROMMETS.
THEN YOU CAN "BUTTON"
THEM TO WALLS, "TOWERS," 02
OUR CUBES [PAGES 79-81,86,87],
OR USE THEM AS SPACE-DIVIDERS.

# SEEPING!

BEPS ARE NOT JUST TO SLEEP IN. WE GO TO BED TO REST, TO MAKE LOVE, SOMETIMES BECAUSE WE

DRE ILL.

TRADITIONAL JAPAN HAD ANGWERS FOR THIS, AS FOR SO MANY OTHER PROBLEMS IN DOMESTIC ARCHITEC~ TURE: A FLOOR COVERED WITH TATAMI WAS BOTH FLOOR AND BED. TO THIS MIGHT BE ADDED A SORT OF SOFT SLEEPING-BAG FOR THE NIGHT: FUTON. BUT SUCH CONCEPTS CANNOT BE RIPPED OUT of ONE CULTURE AND WORK IN ANOTHER - THEY LOSE TOO MUCH IN TRANSLATION.\*

UNTIL A FEW HUNDRED YEARS AGO, CIVILIZED EUROPEANS SLEPT SITTING UP. MANY MEMBERS OF THE AMERICAN YOUTH SUBCULTURE CARRY SLEEPING BAGS AS ROUTINELY AS THEIR ELDERS CARRY AN AMERICAN

EXPRESS CARD.

BUT THESE ARE ALL SOLUTIONS TOO SPECIALIZED, TOO WELL KNOWN, or TOO IMPRACTICAL TO BE SHOWN HERE. VIC & JIM PIP A GREAT PEAL & RESEARCH ON SLEEPING ARRANGEMENTS THAT ARE COMPATIBLE WITH

<sup>\*</sup>FOR AN EXPLANATION of WHY SUCH TRANSLATIONS PONT WORK, SEE VIC'S "PESIGN FOR THE REAL WORLD", pp.13-14.



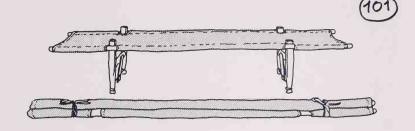
A MORE NOMAPIC LIFE-STYLE. BUT THE FOLLOWING PAGES PON'T REFLECT THIS RESEARCH. AFTER LOOKING THROUGH HUNDREDS of BOOKS, MAGAZINES & MANU ~ FACTURERS' CATALOGG, WE FOUND THAT BEDS ARE JUST A QUESTION of STYLING OF APPEARANCE DESIGN, IN OTHER WORDS: SURFACE COGMETICS.

THE PUBLIC IS GIVEN A "CHOICE" BETWEEN INNER-SPRING & VARIOUS COIL MATTRESSES ON FOAM.
THERE IS THE FURTHER CHOICE of SIZE AND, IF LIVING

IN HOLYWOOD: ROUND BEPS.

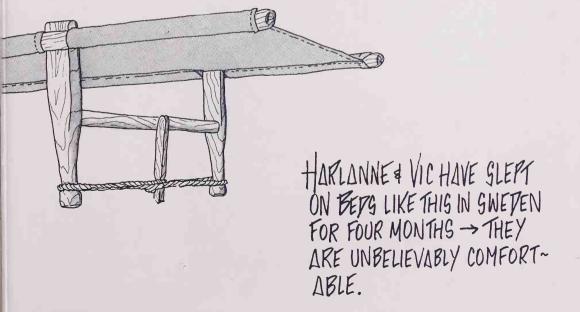
BASICALLY THE ONLY REAL PIFFERENCES HAVE TO DO WITH LOOKS. HENCE "EARLY AMERICAN", "FRENCH PROVINCIAL", "BAUHAUS ~ MODERNE" AND PROBABLY EVEN "JAVANESE COLONIAL" HEADBOARDS, FRAMES & NIGHT TABLES ABOUND. VIC, WHO HAS A PERVERSE INTEREST IN SUCH THINGS, RECENTLY FOUND A BED, THE FRAME & WHICH WAS CONSTRUCTED & PINK TRANSPARENT PLASTIC FAKE BAMBOO, TORTURED INTO THE OVERBLOWN CURVES & BAVARIAN BAROQUE. THIS WRETCHED HORROR WAS COVEREDWITH A BEDSPREAD WHICH WAS AN IMITATION NAVAJO RUG, CONFECTED OF FAKE PLASTIC FUR IN ORANGE, LIGHT BLUE & A BROWN & THE EXACT COLOURING & MILK CHOCOLATE!

ENOUGH. BEGINNING ON THE NEXT PAGE WE HAVE A FEW [A VERY FEW] IPEAS FOR BEDS THAT MAKE GENGE. IF YOU ARE CAUGHT UP WITH HEADBOARDS, WE SUGGEST ANY GOOD TEXT ON INFERIOR DEGECRATION.

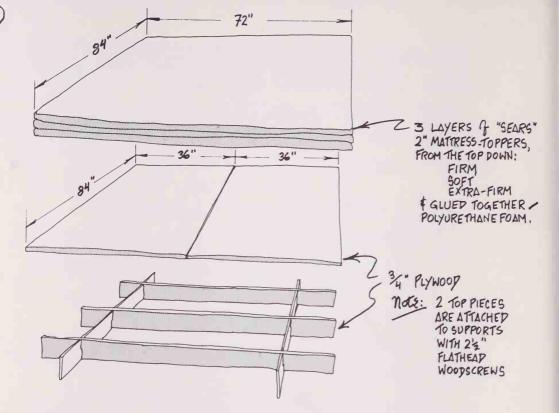


THIS REMARKABLY INGENIOUS ROLL-UP BEP IS MAPE & BEECHWOOP AND LINEN ~ CANVAG. IT USES ROPE AND A WOOPEN STOP, TO ACHIEVE TENSION THROUGH THE PRINCIPLE & THE BUCKSAW [SEE PETAIL, LEFT BELOW]. IT WAS PESIGNED BY OLE GJERLØV-KNUPSEN OF PENMARK, WHO ALSO PESIGNED THE CHAIR USING THE BUCK-SAW PRINCIPLE, ON PAGE 16.

AVAILABLE FROM: "INTERNA", COPENHAGEN, DENMARK.



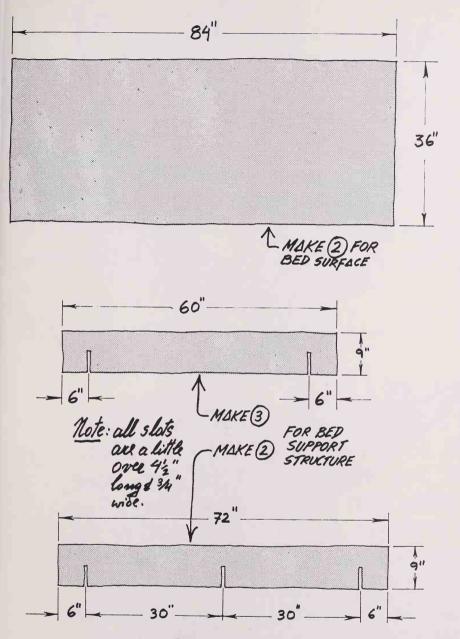
(102)





THE COMPLETED
BED, COVERED
WITH MARINEKKO
COTTON PRINT.

THE BEP IS EXTRALARGE, SO-CALLED "CALIFORNIA KING~SIZE", 72"×84"



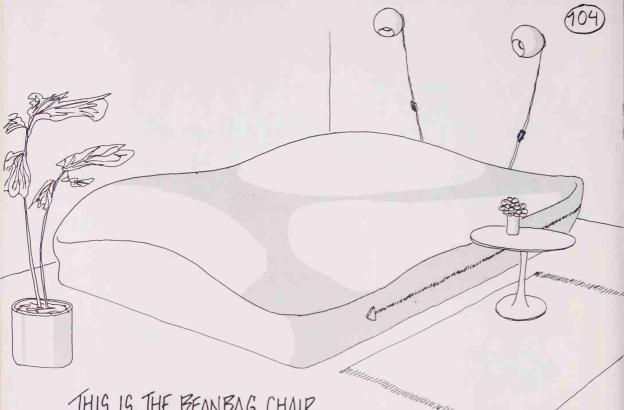
## FOAM BEP

POLYURETHANE FOAM, RESTING PIRECTLY ON 34" PLYWOOP. PROVIDES RESTFUL AND HEALTHY GLEEP-GUPPORT. VIC'S BED [SEE PHOTO] IS EXTRA LARGE, THE FORM MATTRESS, WHICH WOULD GIVE AN EVEN PENSITY A 5 INCHES HAS BEEN PISCARPED IN FAVOURG THREE "MATTRESS-TOPPERS" EACH 2 INCHES THICK AND FRIFFERING

NOTE:—
CHANGE ALL SIZES
PROPORTIONATELY
TO FIT YOUR
MATTRESS NEEDS.

PENGITIES.

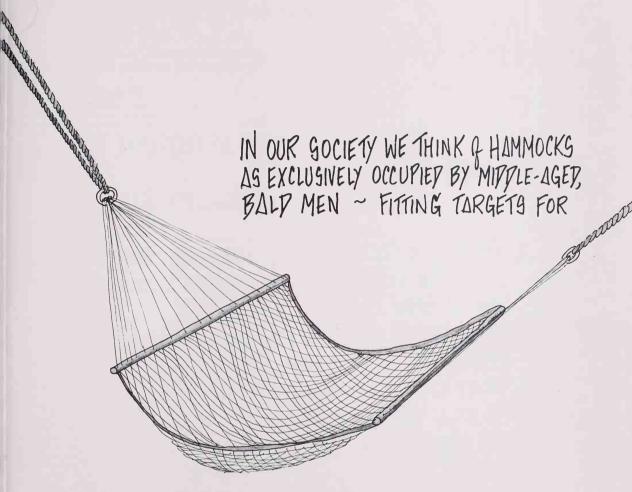
THE TWO SURFACE TOPPERS CAN BE MAPE of 34" PLYWOOD OR CHIP-BOARP. THE LEG-GUBSTRUCTURE CAN ALSO BE MAPE of 34" PLY, 02 else OF SHELVING LUMBER. SUB^STRUCTURE IS SET IN 6 INCHES FROM ALL SIDES.



THIS IS THE BEANBAG CHAIR,
ENLARGED TO BECOME A GIGANTIC CUSHION,
MEAGURING 54" × 78" AND ABOUT 7" THICK. YOU WILL
NEED ABOUT 7 TO 8 YARDS & 60" WIDE CLOSE ~ WOVEN FABRIC,
THE SAME LENGTH & WIDTH & MUSLIN [FOR THE INNER BAG] AND
TWO HEAVY 72" ZIPPERS. FOLLOW OUR INSTRUCTIONS FOR THE
BEAN ~ BAG CHAIR ON PAGE 29. THE BED IS STUFFED WITH
ABOUT 25-30 POUNDS & SHREDDED FOAM, WHICH IS INEXPENSIVELY AVAILABLE AT WAR ~ SURPLUS STORES. BE SURE TO TEAR
THE PLASTIC BAG & SHREDDED FOAM ALONG ONE SIDE AND PLACE
INSIDE MUSLIN BAG BEFORE EMPTYING IT. THIS MATTRESS RESTS
ON THE FLOOR, BUT YOU MAY ALSO BUILD A BASE FOR IT.

ALTERNATIVE: STUFF IT WITH PLASTIC PELLETS LIKE THE CHAIR.

Note: THE TWO SPOTLAMPS ABOVE THE BED ARE ON PAGE 119.



WATERHOSES FIENDISHLY EMPLOYED BY LITTLE BOYS. SAILORS AND PEOPLE IN THE WEST INDIES KNOW THEM TO BE SUPERBLY NOMADIC BEPS.

# WATER-BEDG:

NEW WAY of RESTING, SLEEPING, ETC.
WE HAVE JUST A FEW SUGGESTIONS:

1. BEFORE YOU BUY A WATER-BED, MAKE SURE THAT YOUR FLOOR CAN SUPPORT THE 1600 LBS. IT WILL WEIGH WHEN FILLED.

2. BEFORE YOU FILL IT, DECIDE EXACTLY WHERE IT WILL STAND. IT'S HARD TO MOVE 1600 POUNDS!

3. PON'T BUY A PLASTIC WATER-BAG THAT CLAIMS
TO BE A WATER-BEP. THESE RIP-OFFS SELL FOR
ANYWHERE FROM \$895 TO \$4995 AND AREN'T
WORTH IT.

THIS IS WHY WE HAVE TAKEN THE UNUSUAL STEP OF REPRODUCING THIS FULL-PAGE ADVERTISEMENT. READ IT CAREFULLY & CON~ SIPER BUYING THEIR PRODUCT.

H. IF YOU HAVE THE SKILL, BUILD YOUR OWN, BUT MAKE SURE THAT IT HAS ALL THE FEATURES OF THE ONE FROM "INNERSPACE," OR MORE.

## The truth about waterbeds.

by Irving London, M.D.

## SAVE THIS PAGE-because 4 in 5 of us may eventually sleep on a patented, heated waterbed. Let this be your guide to the most comfortable, healthful, natural, sleeping surface ever created.

With the invention of the waterbed by Innerspace Environments has come a myriad of myths and rumors. Here, I intend to present the truth concerning this remarkable advancement in sleep

l've been sleeping on a proper waterbed for over 2 years, and it has dramatically changed my life for the better. If that seems to be overstating things, I promise you it is true.

I purchased an Innerspace Bed because I hoped its even support and gentle heat could relax and soothe my bad back. The results were so positive, I decided to devote the majority of my time to the science of sleep, and the contribution the waterbed has made to this science. I felt I could be of more service to more people this way rather than by devoting all my time to the practice of medicine.

#### WHO SHOULD BUY A WATERBED?

Actually, everyone who sleeps should at least consider a waterbed.

You should seriously look in to buying the Innerspace Bed if you are a person with a back problem or aching muscles. People with these problems, plus people with insomnia, nervous tension or anxiety have often found the Innerspace Bed extremely beneficial. Sleep comes easier. Many people gain deep, restful sleep without medication. And certainly, people who sleep better, look better.

You should also consider a waterbed for the superb sleep and natural comfort it affords. A prime quality, heated waterbed can give you the exquisite sensation of semi-weightlessness.

A recent independent consumer research study revealed that 93% of owners of the Innerspace Bed intend to sleep on a heated waterbed every night for the rest of their lives.

#### DON'T CONFUSE A WATERBED WITH A WATERBAG.

Be sure you get an authentic heated waterbed, not a waterbag.

To be certain you get a proper waterbed, look for a patented model. The patent makes all the difference. It assures you of a bed that has been bioengineered, using a unique liquid support system for comfort and therapeu-

The Innerspace Bed (U.S. Patent Number 3,585,356) is a heavy-duty vinyl mattress, filled with water kept at the temperature you desire by an

(2) (1) (a) (b) (5) THE WATERBAG THE WATERBED (1) Vinyl mattress. 1 Heavy duty vinyl Material translation of the matterss.

Watertight casing.
Heating unit.
Frame.
Thermostal.
Raised base.

adjustable, automatic heating unit.

The mattress rests in a watertight casing; the entire unit is contained in a specially-crafted frame atop a raised

A waterbag is a vinyl bag of water.

### COMPARE A PATENTED WATERBED WITH ANY CONVENTIONAL BED MADE.

A waterbed supports and cushions your entire body evenly. A conventional bed

does not. A waterbed supports the small of your back, where you need support most. A conventional bed does not.

Most importantly, a conventional bed creates pressure points which cut off blood flow and cause tossing and turning. On a waterbed, there can be no pressure points.

Many people who sleep on the Innerspace Bed report that they fall asleep and awaken in the same position.

The conventional bed: partial support

where the average person changes posiowners of the Innerspace Bed claim they actually need fewer hours of sleep.

. we're convinced they will eventually

The Innerspace Bed: total support Compare this with a conventional bed tion 50 to 80 times a night! Numerous

A heated waterbed warms you with the same heat principle employed by

"One of the most revolutionary

ideas in sleep comfort . . .

LOS ANGELES TIMES

emulates nature."

A NOTE TO NEWLYWEDS.

Because you will spend about 1/3 of your life in bed, your bed will be one of the most important purchases you make. So be careful you do not buy obsolescence. Many experts estimate that within 5 to 10 years, the majority of Americans will be sleeping on a

hospitals with hydrotherapy. Such pen-

etrating, relaxing warmth is impossible

with a conventional bed, even with

electric blankets. Even more, a water-

bed can keep you cool during hot

weather; simply adjust the thermostat

SAFETY CONSIDERATIONS.

Innerspace Environments manufactures

the only waterbeds listed by Under-

writers' Laboratories, an independent,

not-for-profit organization testing for public safety. UL listed the Innerspace

Bed as "safeguarded to an acceptable

degree . . . with respect to all reasonably

foreseeable hazards to life and prop-

approved by The Electrical Testing Lab-

oratory of the City of Los Angeles, and

the Canadian Standards Association, a

branch of the Canadian government.

No other waterbed has passed all

Innerspace Bed makes it acceptable to

landlords. Placed against a wall, as

virtually all beds are, the Innerspace

Bed is safely within minimum FHA

The patented construction of the

these rigorous examinations.

weight limits.

The Innerspace Bed has also been

to a cooler temperature.

heated waterbed.

#### SOME FRANK ADVICE.

It is not possible to put into words the remarkable difference a waterbed makes. So I hope you will stretch out on a waterbed, and feel the astounding comfort for yourself.

Innerspace Environments offers a choice of waterbeds to fit any decor. Buying a waterbed is made as easy as possible. A selection of financing plans is offered. Master Charge and Bank-Americard are accepted. Prices start at under \$200 for a complete unit.

Discover why the Innerspace Bed has become the most accepted, most popular waterbed in the world. Come in to an Innerspace showroom and experience the most sleepable bed ever

It can change your life, too.

"... a giant leap forward in bed design." BETTER HOMES AND GARDENS

patients expressed a preference for the waterbed because they were more comfortable on it."

AMERICAN JOURNAL OF PHYSICAL MEDICINE



West Hollywood: 951 North La Cienega Blvd., Los Angeles Phone: 659-4414

Studio City: 12301 Ventura Blvd., Studio City Phone: 980-9150

Wilshire Center: 3150-52 Wilshire Blvd., Los Angeles Phone: 487-4204

Marina Del Rey: 409 Washington St., Venice Phone: 821-8053

Del Amo: 180 Del Amo Fashion Square Torrance • Phone: 370-5557

All stores now open 7 days a week.

nerspace

THE CORPORATION THAT INVENTED, PATENTED, PERFECTED THE WATERBED.

FINALLY A WORD ABOUT SLEEPING BAGS: OF THE MANY VIC HAS TESTEP, THIS ONE BY "NORTH FACE" 19 BY FAR THE BEST.



IT IS CALLED THE "SUPERLIGHT" AND IS STUFFED WITH PRIME NORTHERN EUROPEAN GOOSE POWN. IN IT YOU CAN LIVE WITH TEMPERATURES AS LOW AS 10°F., YET IT WEIGHS ONLY THREE

POUNTS!

IT COMES IN TWO SIZES [REGULAR & LARGE] TWO BAGS CAN BE ZIPPED TOGETHER TO FORM A POUBLE. CONGIDERING THE BAG'S SUPERB WORKMANGHIP & QUALITY, IT IS QUITE REASONABLE AT \$81- DORPER FROM THE NORTH FACE, P.O. BOX 2399, STATION A BERKELEY, CALIF. 94702. > THEY DISO SELL OTHER BAGS, BACKPACKS, ETC.





· TIRECT LIGHTING MEANS A BEAM of LIGHT ON YOUR WORK AREA,

THE BOOK YOU ARE READING, ETC.

• INPIRECT LIGHTING MEANS THAT THE ACTUAL LIGHT-SOURCE IS USUALLY CONCEALED AND THE BEAM & LIGHT IS TIRECTED AT A BRIGHT REFLECTIVE GURFACE [OFTEN UPWARDS TOWARD THE CEILING]

AND IS THEN REFLECTED BACK TOWARD YOU.

• TIFFUGET LIGHT MEANS THAT THE BULB OF BULBS ARE BEHIND A GEMI-TRANSPARENT MATERIAL THROUGH WHICH THE BULB IS NOT VISIBLE, BUT LIGHT IS PERMITTED TO FILTER THROUGH (FOR EXAMPLE: MILK GLASS, PARCHMENT PAPER, THIN CLOUPY SHEET PLASTIC, ETC.).

• "MOOP" LIGHTING COVERS A MULTITUPE of GING, FROM A SMALL WHITE BEPROOM GLOBE THAT IS GOVERNED BY A VARIABLE RHEOSTAT TO A 15"-HIGH FOUR-MASTED SCHOONER, HAND ~ CHEWED OUT OF ROSEWOOD, WITH CHROMIUM SAILS, BLINKING "CANPLE ~ FLICKER" RUNNING LIGHTS, AN ILLUMINATED CLOCK IN THE STERN, AND RESTING ON A CIRCULAR BLUE ~ TINTED MIRROR.

· MOST POMESTIC LIGHTING COMBINES ALL FOUR of THESE.

• APPED TO WHICH MUST BE: SOME LAMPS ARE USED AS SCULPTURE ONLY. JUST PRIVE THROUGH ANY SUBDIVISION & YOU CAN GEE: A TABLE IN FRONT & EVERY PICTURE WINDOW & IN THE EXACT CENTER & THE TABLE AN ENORMOUSLY GROSS LAMP WITH A BILLOWING SHAPE, RECALLING THE LACY, FROU-FROU PETTICOATS OF A GAY NINETIES BAR IN ITCH, NEVADA.

WE HAVE ATTEMPTED TO SHOW AT LEAST ONE TYPE OF LIGHT FOR EACH OF THESE FOUR METHOPS, AS WELL AS FOR THE "LAMP AS SCULPTURE" CONCEPT.

BECAUSE & OUR OWN PERSONAL BIAS, WEFEEL THAT
THE IPEAL MOOP LIGHT IS PROVIPED BY CANDLELIGHT.
WE PO DRAW THE LINE HOWEVER AT "SCENTED" OR
"PERFUMED" CANDLES WHICH EITHER GIVE OFF AN OPOUR
OF STALE, MARIHUANA~ SOAKED TENNIS SOCKS, OR
ELSE FOLLOW THE "12-NIGHTS-ON-A-TROOPSHIP"
PERFUME SYNDROME.

IN A WAY, PIRECT LIGHTING IS COMPARABLE TO WORK OF PINING CHAIRS. BY THIS WE MEAN THAT GOOD, NOMADIC & INEXPENSIVE TYPES CAN BE BOUGHT NEARLY EVERYWHERE. NONETHELESS WE HAVE GIVEN ONE POUBLE~LIGHT THAT YOU CAN BUILPOUT of RE~

CYCLED MILK BOTTLES.

OUR LIGHT ~ COLUMN & THE BASES FOR VARIOUS EXISTING BLEACH BOTTLES, MILK BOTTLES, GLOBES, ETC.; AS WELL AS THE STYROFOAM BUBBLE MAPE OF OLD COFFEE CUPS; PROVIDE DIFFUSED LIGHT.

OLD COFFEE CUPS, PROVIDE PIFFUSEP LIGHT.
FOR INPIRECT LIGHTING, TURN ANY of THE PIRECT
FIXTURES TOWARD A WHITE WALL, OR ELGE BOUNCE
THE LIGHT OF THE CEILING, VIC HAS LIVED IN A HUGE HOUSE
WITH ONLY 7 "LUXO" LAMPS FOR BOTH DIRECT & INDIRECT LIGHT.

BUT OUR "ELECTRIC GNAKE" WILL AGAIN SHOW YOU THAT THEONLY LIMITS ARE YOUR OWN WILL TO TRY THE NEW.

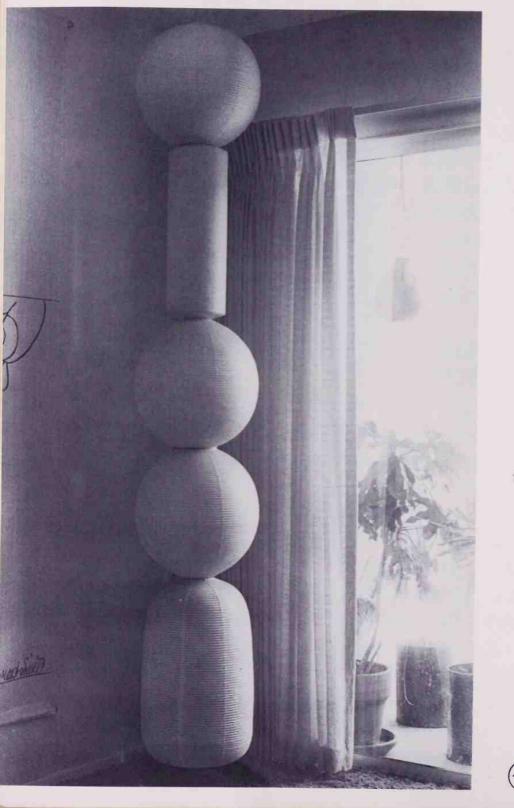
## Bubble Lamp

MAVE FROM OLD
STYROFOAM CUPS. THIS
IDEA HAS BY NOW BEEN
USED BY YOUNG PEOPLE
IN AUSTRIA, FINLAND,
JAPAN, THE U.S, IT IS
VIRTUALLY A CLICHE.
STYROFOAM COFFEE
CUPS COME IN MANY
PIFFERENT SIZES - THE



GIZE CUP YOU USE WILL PETERMINE THE SIZE OF THE BUBBLE. THIS
PARTICULAR ONE WAS MAPE BY JIM, USING "STANPARP" CUPS [WHICH
ARE FREE] AND IS ABOUT 42" IN DIAMETER. IT IS REALLY JUST
A SHELL, SURROUNDING A HANGING BULB IN THE CENTER.
SOME STYROFOAN CUPS ARE LITTLE LARGER THAN SHOT-GLASSES ->
RESULTING IN HOLLOW SPERES OF ABOUT 26" PIAMETER. IF YOU
ARE NEAR A SOURCE THAT USES GIANT MILK-SHAKE STYROFOAM
CUPS, YOU CAN BUILD A GLOBE THAT IS NEARLY 6 FEET. BUT
REMEMBER -> IT WILL TAKE ABOUT 250 CUPS PER LAMP.

THE BEST WAY TO BUILD IT, IS TO USE WHITE ELMER'S GLUE, AND USE CLOTHES-PINS TO HOLD THE LAMP-PARTS TOGETHER, WHILE PRYING. SOME TIME AGO "ESQUIRE" SUGGESTED HEAT-SEAUNG THE CUPS TOGETHER, THIS DOESN'T WORK AS WELL. -> TO GET A PERFECT SPHERE -> START WITH ONE CUP& KEEP ADDING, DON'T BUILD 2 HALVES & TRY TO FIT THEM TOGE THER!



COLUMN OF LIGHT

WEISTH CAIL



112)

AT FIRST SIGHT YOU MAY NOT FIND THIS IDEA & A LIGHT~ COLUMN BY HARLANNE ALL THAT IMPRESSIVE.
BUT IT IS INCREPIBLY NOMADIC,

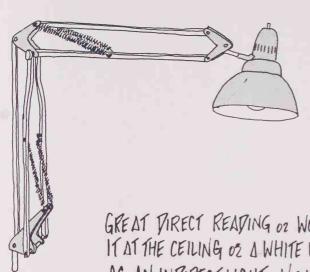
INEXPENSIVE, EASY-TO-BUILD & VERY HANDSOME.

ALL A OUR LIGHTING HERE CAN BE PIVIPED INTO THREE KINDS: PIRECT WORK-LIGHT, INDIRECT "MOOD" LIGHT & A COMBINATION of THE TWO. THIS ONE GIVES INDIRECT LIGHT TO A LARGE [30 \$26-FOOT] LIVING ROOM.

IT CONSISTS of FIVE JAPANESE
PAPER LANTERNS. FROM ALL of THEM, EXCEPT
THE TOP ONE, THE WIRE HANGING LOOP HAS
BEEN REMOVED -> ALL FIVE HAVE THEN
BEEN TAPED TOGETHER & HUNG FROM AN EYE-HOOK
IN THE CEILING. THE COLUMN IS 8 FEET TALL&
COLLAPSES NEARLY FLAT [LIKE AN ACCORPION]
FOR EASY MOVING. IT IS MUCH LEGS PELICATE
THAN IT LOOKS: WE HAVE MOVED IT FIVE TIMES,
SOMETIMES APPING AN EXTRA LANTERN FOR A
HIGHER CEILING, SOMETIMES TAKING ONE OFF.

IT WEIGHS 134 LBS.

THE LIGHTING COMES FROM A
STRING of CHRISTMAS-TREE LIGHTS, WITH
WHITE FROSTED BULBS IN STEAD of COLOURED ONES.
FOR EXTRA "MOOP" LIGHTING, YOU
CAN PLUG IT THROUGH A VARIABLE RHEOSTAT.



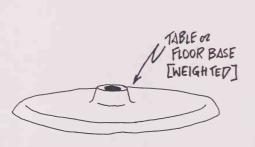
BRACKET

THIS IS THE OLD STANDBY THE "LUXO" LAMP, ORIGINALLY DEGIGNED IN GWEDEN. THE FACT THAT IT APJUSTS N NEARLY ANY ANGLE, SWIVELS FREELY THROUGH A COMPLETE 360° CIRCLE AND HAS 45-INCH ARM-REACH, MAKES IT A

GREAT PIRECT REAPING OF WORKING LIGHT. BY POINTING IT AT THE CEILING OZ A WHITE WALL, IT ALSO POES POUBLE PUTY AS AN INPIRECT LIGHT. VICHAS BRACKETS FOR IT ALL OVER

HIG HOUSE, WHICH MAKES IT POSSIBLE TO "UNPLUCK" A LAMP AND PLUG IT IN GOMEWHERE ELSE.

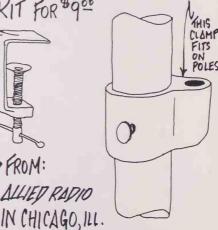
THE "LUXO" IS EXPENSIVE: NEARLY \$3000. HOWEVER, YOU CAN ORDER A "PO-17-YOURSEF" KIT FOR \$ 900



PORTABLE

CLAMP

PORTABLE CLAMPton SLANTED FROM: PROWING 1ABLES STATED RADIO



DESIGNED & AVAILABLE KORU. FREDRIKINKATU 56D, HELSINKI

"MOBILE"

BY KAJA DARIKKA

FROM-> DARIKKA-

10, FINLAND

CANPLE-LIGHT IS LIKE FLOWERS, MUSIC AND BOOKS: A BASIC NEED FOR MANY & US. "MOBILE" MEANS MOVEMENT.

THERE IS LOTS & LOTS & WIRE IN THIS WORLD, PLUS YOUR IMAGINATION.



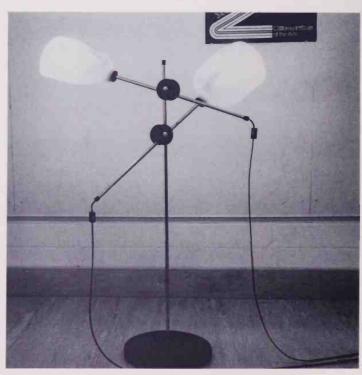
THIS LAMP WAS PEGIGNED BY THE LATE & GREAT]

JOE COLOMBO. FROM ITS EXCELLENT "MACHINE ~

AESTHETICS", A GOODLY NUMBER OF GALES HAVE ACCRUED
TO ITS MANUFACTURER: O-LUCE of MILANO, FROM
WHOM THE UNIT IS AVAILABLE.

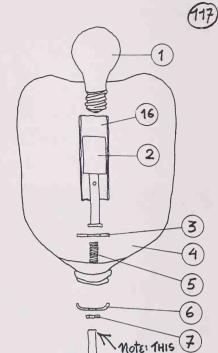
MEANWHILE VICHAG BEEN FAGCINATED BY THE POLYETHYLENE BOTTLES WITH MOLPED HANDLES IN WHICH MILK IS SOLD IN SOUTHERN CALIFORNIA \_ [OTHER THINGS LIKE LAUNDRY

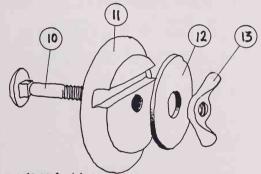
PETERGENTS, PHOTO ~
CHEMICALS, ETC., ALGO
COME IN THEGE BOTLES].
GO VIC PEVELOPEP A
LAMP, WHICH WE FEEL
TO BE BETTER & ALGO
AESTHETICALLY MORE
PLEASING THAN THE
O-LUCE ORIGINAL. THE
TRANSLUCENT BOTTLES
GIVE A MARVELOUG
LIGHT QUALITY TO
THEGE RECYCLET
MILK BOTTLES.



• JIM WORKED OUT THE APJUSTABLE CONNECTORS & GUB~ STRUCTURE. SUGGESTION → PRILL ½" PIAMETER HOLES INTO TABLES & OTHER FURNITURE: YOU CERTAINLY WILL THEN BE ABLE TO PULL THE LAMP OUT & ITS BASE & "PLUG" ITS MAIN POLE INTO OTHER LOCATIONS.







#### CONSTRUCTION & STEM LOCKS:

PRILL A 14" CLEARANCE HOLE THROUGH KNOBS (1).

SLOT EACH KNOB 3/8" WIPE ANP 5/6" DEEP WITH A
COPING SAW. SLOTS SHOULD BE JUST OFF CENTER
HOLE. LOCK TWO KNOBS TOGETHER WITH (1), (2)

\$(3). — USE ABOUT 10 FEET & LAMPCORP FOR
EACH LAMP. MOUNT SEPARATE SWITCHES ON EACH
CORD. WIRE BOTH CORPS TO THE SAME OUTLET
PLUG.
WE HAVE PAINTED KNOBS (1) & BASE (5) FLAT BLACK.

#### - PARTS SOURCE:

J.G.HOLZGANG, INC. LOS ANGELES, CALIF., 90007

### ASSEMBLY INSTRUCTIONS:

1 BULB, MAXIM. 60 WATS (2)

2 EXTENDED SOCKETS (2) HOLZGANG #5-9800

3 1/2"1.P.-7/6"O.D. WASHERS(2)

4) CUT POLYETHYLENE BOTTLES (2)

5 THREAPED STUDS (2)

HOLZGANG # S-1089

(6) BRASS CAP WASHERS (2)

HOLZGANG #5-1542

HOLZGANG #5-1004 8) 3/8"0.7.-14", CHROME.

STEEL TUBING, 2 FEET LONG (2)

9 RUBBER (APS (2)

24" LONG (2)

24" DIAM. WOODEN

DRAWER KNOBS (4)

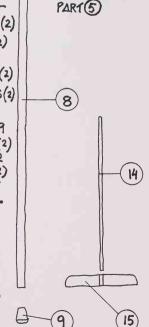
12 2" PIAM. - 18" RUBBER WASHERS (2)

13) 1/4"-20 WING NUT (2)

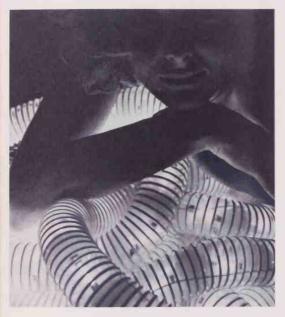
14) 3/8 0.D.-4" I.D. CHROME-STEEL TUBING, 4 FEET LONG (1)

15) WOODEN BASE: 10" DIAM. X 1 4", CEMER DRILLET 3/8" (1)

"CANFLE COVERS" (2)
HOLZGANG #5-1103



END & TUBING
15 THREADED
TO ACCEPT



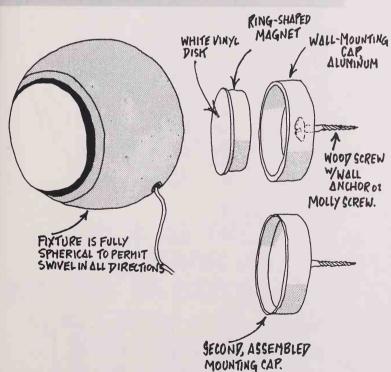
A NUMBER of MONTHS AGO, THE BRITISH MAGAZINE "DEGIGN" [ISSUE Nº 263], PUBLISHED THIS PICTURE & PEGCRIBED IT AS FOLLOWS:

"ELECTRIC EEL" LOOKING LIKE A HUGE
MOUND & ILLUMINATED PASTA, THESE BOALUM
LIGHTS, DESIGNED FOR ARTEMIDE MILAN
BY LIVIO CASTIGLIONI & GIANFRANCO
FRATIINI, CAN BE USED ON WALLS, TABLES
AND FLOORS. EACH LAMP CONSISTS & A METAL
& PLASTICS TUBE 180 cm. IN LENGTH [ABOUT
14 FEET] AND 6 cm. [NEARLY 2½ INCHES] IN
DIAMETER, ENCLOSING A NECKLACE & 20
5-WATT BULBS."

BOTH JIM & VIC WERE PELIGHTEP BY THIS "LIGHT-AS-SCULPTURE". THE PRICE, HOWEVER, IS SOMEWHAT ELITIST.

→ IF YOU OPT FOR BUILDING YOUR OWN, GO TO YOUR HARPWARE STORE & BUY ELECTRIC OF GAS TRYER HOSE, IN WHITE. THIS IS PLASTIC & USUALLY 4" IN PLAMETER. THEN STRING IT WITH [LOWEST WATTAGE] CHRISTMAS-TREE LIGHTS, LIKE THE LIGHT COLUMN ON PLAGE 112. → THIS HOSE IS SOMEWHAT EXPENSIVE. TRY FOR A SALE, WHEN YOU WILL USUALLY FIND IT IN 6-FOOT LENGTHS, 4 BUY TWO.

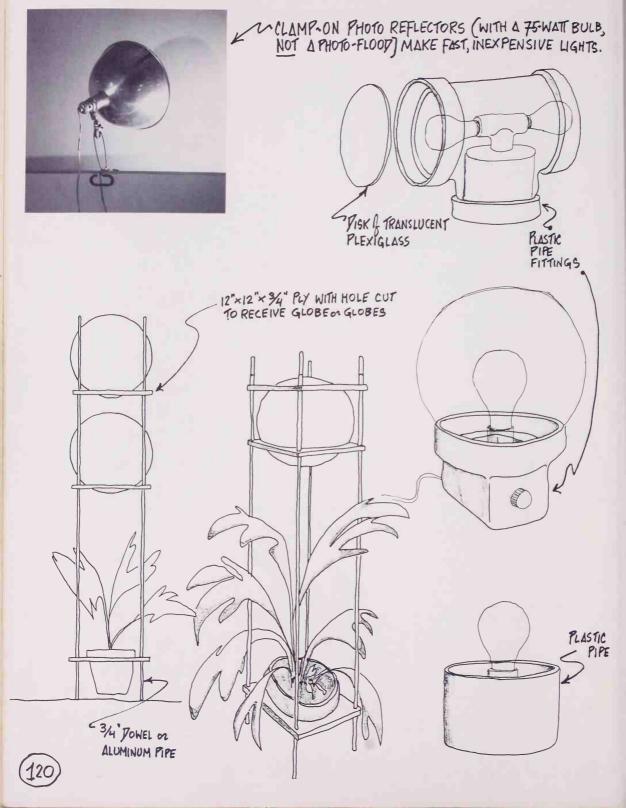




THIS IS A CHROME~ FINISHEP SPOT-LIGHT WHICH APHERES TO WALL-MOUNTED BASES MAGNETICALLY. IT IS ABOUT 5 INCHES IN PLAMETER, THE MOUNTING METHOD ALLOWS IT TO BE ROM TATED NEARLY 360 PEGREEG. THUS IT WORKS AS A SPOTLIGHT FOR PAINTINGS or AS A PIRECT REAPING LAMP OR, TWISTED AGAIN, AS AN INPIRECT LIGHT.

IT IS AVAILABLE
FROM KOVACS LIGHTS
IN N.Y., AND COMES
WITH TWO MOUNTING
CAPS. THIS MAKES IT
POSSIBLE TO LIFT THE
SPHERE OUT of ONE PLACE
\$ ATTACH IT ELSEWHERE.

IM'S APAPTATION INTO AN APJUSTABLE MAGNETIC CUBE LAMP IS ON PAGE 134.



# BABIES-CHILDREN:

AS MENTIONED EARLIER IN THIS BOOK, THERE ARE NO MEASUREMENTS AVAILABLE FOR GIZEG, HEIGHTS, AVERAGE REACH, ETC., AS FAR AS CHILDREN [& BABIEG] ARE CONCERNED.

APMITTERLY THIS IS SHEER LUNACY AS FAR AS HUMAN MEASUREMENT GOES, BUT HOLD ON: THERE IS ALSO NO ANTHROPOMORPHIC PATA ABOUT WOMEN, APOLESCENTS, THE ELDERLY OBESE PEOPLE, THE HANDICAPPED, RETURNING VETERANS WHO HAVE BEEN PISABLED, PREGNANT WOMEN OR, FOR THAT MATTER, THE 80 PERCENT of HUMANITY LIVING ELSEWHERE THAN NORTH AMERICA, EUROPE, AUSTRALIA, NEW ZEALAND, JAPAN, RHODESIA OZ SOUTH AFRICA!

WHILE BOTH VIC & JIM EXPECT TO WORK ON THIS "OVERGIGHT" BY THE PEGIGN ESTABLISH ~ MENT, PEVELOPING HUMAN FACTORS CHARTS FOR THIS

BOOK WAS IMPOSSIBLE.

ALL THE FURNITURE FOR TOPPLERS,
BABIES & SMALL CHILDREN, WE HAVE SIZED ACCORPING
TO OUR OWN. BOTH VIC & JIM HAVE CHILDREN OF
EXACTLY THE SAME AGE, 27 MONTHS AT THE TIME OF

THIS WRITING. ALSO WE HAVE HAP ACCESS TO OTHER CHILPREN, OF COURSE.

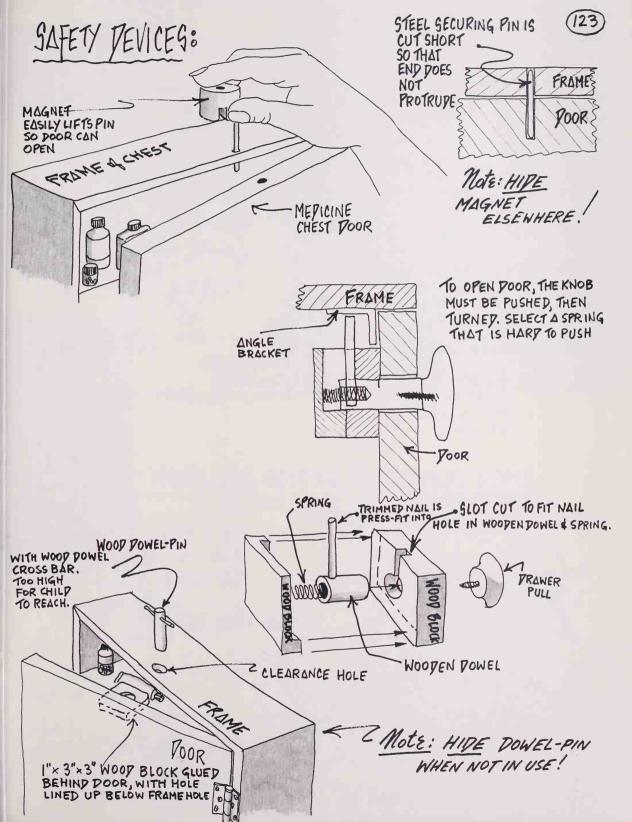
OUR ONLY APVICE IS: MEASURE YOUR OWN CHILP AND FREQUENTLY SEE THAT HIS OR HER FURNITURE STILL MAKES SENSE IN TERMS of SIZEG.

WE HAVE MATE NO ATTEMPY TO DEGIGN ANY TOYS OF PLAYTHINGS, AS THESE TOO LIE OUTSIDE THE SCOPE of THIS BOOK.

BUT REMEMBER THAT CHILDREN ARE NOT JUST TINY ADULTS, SOMEWHAT PIFFERENT IN SCALE. THEY HAVE GREAT NEED FOR PHYSICAL EXERCISE AND SENSORY STIMULATION THROUGH COLOURS, TEXTURES, SOUND, LIGHT, MOTION AND MUCH ELSE.

## A NOTE ON THE ELDERLY:

WHEN WE FIRST PLANNED THIS BOOK
WE FELT THAT WE WOULD ALSO INCLUDE FURNITURE THAT
WAS SPECIFICALLY DESIGNED FOR OLDER PEOPLE. HOWEVER,
ASIDE FROM THE SPECIFICALLY DIFFERENT NEEDS of
PEOPLE IN THEIR SEVENTIES AND EIGHTIES FOR SLIGHTLY
DIFFERENT RATIOS BETWEEN CHAIR-BACKS & ARM RESTS;
THE MAIN NEED IS FOR HEAVY, VERY STABLE PIECES.
THE ELDERLY ARE THE GROUP LEAST AFFECTED BY NOMADIC
LIFE-STYLES IN OUR SOCIETY, SO THIS NOTE MUST SUFFICE.



## A CHILP'S HIGH-CHAIR OF FIBRE TUBING:

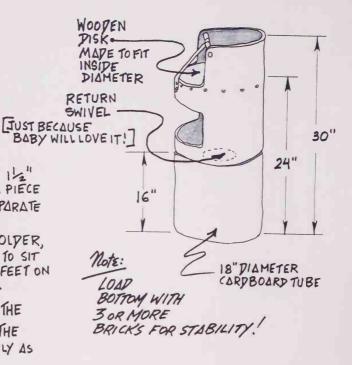
THE SPACER BAR IS 1/2"
WOOD DOWEL, WITH A PIECE
Of WEBBING TO SEPARATE

THE CHILP'S LEGS.

AS THE CHILP GETS OLDER,
HE & SHE WILL TEND TO SIT
FORWARD & PUT HIS FEET ON
THE LOWER CUT-OUT.

YOU MAY ALSO USE THE STRUCTURE ABOVE THE RETURN ~ SVIVEL ONLY AS A BOOSTER.

PLUMBERS' CHAIN



## ART HOUSE:

BLACKBOARD PAINT ON THIS SIDE

THIS IS BOTH A BLACKBOARD/EASEL AS WELL AS A MAKE-BELIEVE PLAY HOUSE. MAKE 4 ½" PLY 02 CHIP-BOARD.

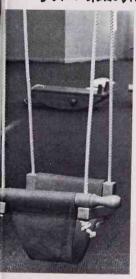
NENSPRINT PAD

WIRE OR ...

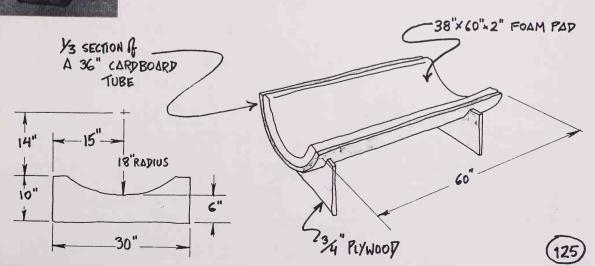


A PELIGHTFUL FOLPING,
HANGING CRAPLE \$ A GWING.
BOTH ARE MAYE of WOOD \$
LINEN CANVAS. THEY WERE
PESIGNEY, ANN \$ GORAN WÄRFF
AND ARE AVAILABLE FROM:
▶ BODA BRUKS AB,
BODA GLASBRUK, GWEDEN

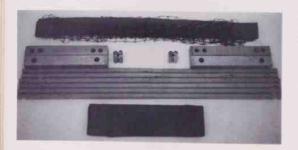




THIS STANDING CRAPLE IS MADE FROM A GECTION & A 36" DIAMETER FIBRE DRUM.











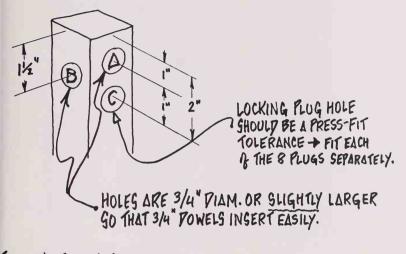
# PORTABLE BLABY BET [KNOCK-POWN]:

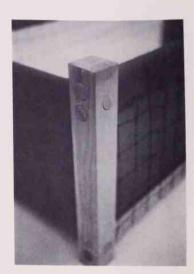
JIN INVENTED AND BUILT THIS BABY BED, WHICH EMPLOYS A VERY ELEGANT POWEL-LOCKING GYSTEM. YOU MAY CHOOSE ANY PURABLE FABRIC YOU LIKE. WE USED "SWEDISH BLUE" GAILCLOTH FOR THE BOTTOM, BOTH ENDS AND THE TOPS A THE SIDE PANELS. A VOLLEY-BALL NET WAS USED FOR THE SIDE PANELS, BUT SINCE SPORT NETS COME INSECT-PROOFED AND THEREFORE NEED CONSIDERABLE WASHING BEFORE BEING SAFE TO USE, YOU MIGHT MACRAMÉ THE SIDE PANELS INSTEAD.

THE FABRIC/NETTING SHOULD BE HEMMED SO THAT IT GLIPS OVER THE WOODEN RODG EAGILY. TRY TO FIT THE FABRIC AG TAUTLY AS POSSIBLE BECAUSE THIS GIVES THE INFANT APPITIONAL SUPPORT.

THE BEP CAN BE USED AS A CARRIER WITH MOTHER & FATHER CARRYING IT BETWEEN THEM ON A WEBBING STRAP [NOT SHOWN]. SUCH A STRAP CAN ALSO BE USED TO TIE THE BED TO A REGULAR APULT BED WHEN VISITING, OR TO A CAR SEAT BENCH.

DIO SUPPORT IT AS A BET, YOU CAN USE OUR STRUCTURE FROM OUR 3-HEIGHT TABLE [P. 56], AND PUT A 1"≈2" FOAM-PAD ON BOTTOM.





### TO CONSTRUCT THE BEP:

1 PRILL HOLE "A" FIRST

(2) INSERT 36"-LONG ROP [THERE ARE 4 36" RODS IN THE TOTAL BED]

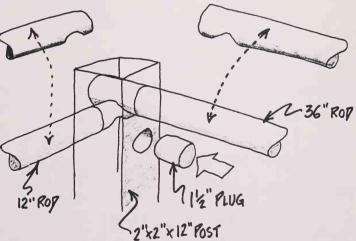
3 PRILL HOLE "B" THROUGH BOTH THE 2" × 2" POST [THERE ARE 4 2" × 2" POSTS, EACH 12" LONG]
AND THE 3/4" × 36" ROP.

(4) INSERT 18"-LONG ROP [THERE ARE 4 18" ROPS]
INTO HOLE "B". THIS WILL LOCK THE
36" ROP.

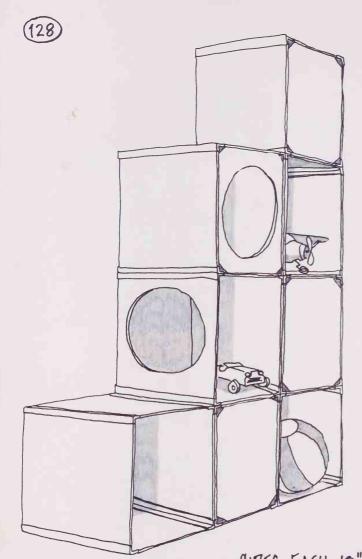
FOR THIS OPERATION].

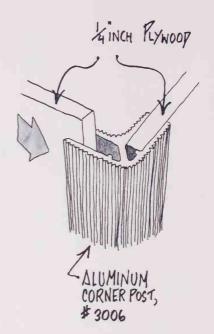
(6) PRESS-FIT D 1/2"LONG
PLUG [THERE ARE 8 14"
PLUGS] INTO HOLE "C", AND
THE STRUCTURE IS LOCKED.

MOTE: USE AREQULAR DRILL BIT FOR THESE OPERATIONS! A SPEEDBORE OR FLAT BIT WILL NOT WORK HERE!



► LEG SYSTEM TOTALLY INTERLOCKS BY RECESSING INTO EACH OTHER.

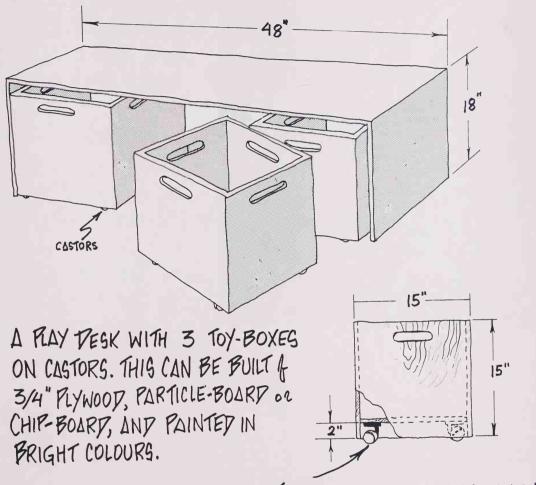




ALTHOUGH SHOWN AS
A STACK, THESE RYWOOD
CUBES ARE ACTUALLY
SINGLE CUBES WITH
NO LINKAGES.
TO MAKE A CUBE,
FIRST CUT THE FOUR

GIPEG, EACH 18" SQUARE & INGERT IN

ALUMINUM CORNER POSTS WITH WHITE "ELMER'S" GLUE, USEP
LIBERALLY. THESE SIPES ARE MAPE of 1/4" PLYWOOP. CUT HOLES
OR OTHER OPENINGS INTO SIPE PANELS BEFORE ASSEMBLY.
NOW CUT BOTTOMS TO FIT IN, DUT of 3/8" PLYWOOP. GLUE
BOTTOM INTO PLACE & ALSO FASTEN TO THE SIPES WITH 3/4"
FINISHING NAILS. FILE & SAND EDGES of CORNER POSTS &
BOXES AND PAINT. > THESE BOXES CAN ALSO BE USED FOR MOVING,
OR FOR BOOK & REORD STORAGE FOR GROWN-UPS.



THIS PETAIL SHOWS ATTACHMENT of CASTORS.

IF YOU WISH YOU CAN ALSO CUT A 15x 15" SQUARE OF TEMPERED MAGONITE & ATTACH A 122" × 122" × 2" POLYURETHANE FOAM CUSHION TO ONE SIDE of THE SQUARE & COVER THE CUSHION WITH FABRIC. THIS THEN "PLUGS" INTO THE BOX AS A LID OR, REVERSED, AS A SEAT. FOR MOVING THE BOXES ARE MIGHTY HANDY.

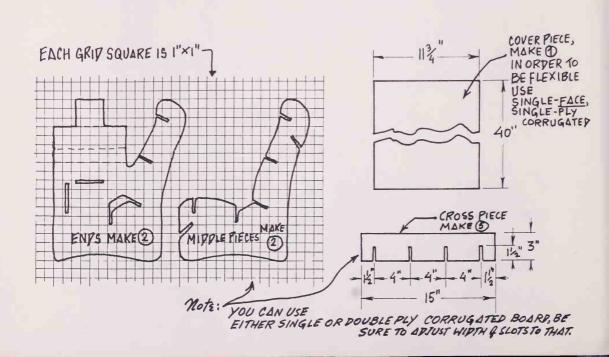
130 PIGPOGABLE CAR GEAT:

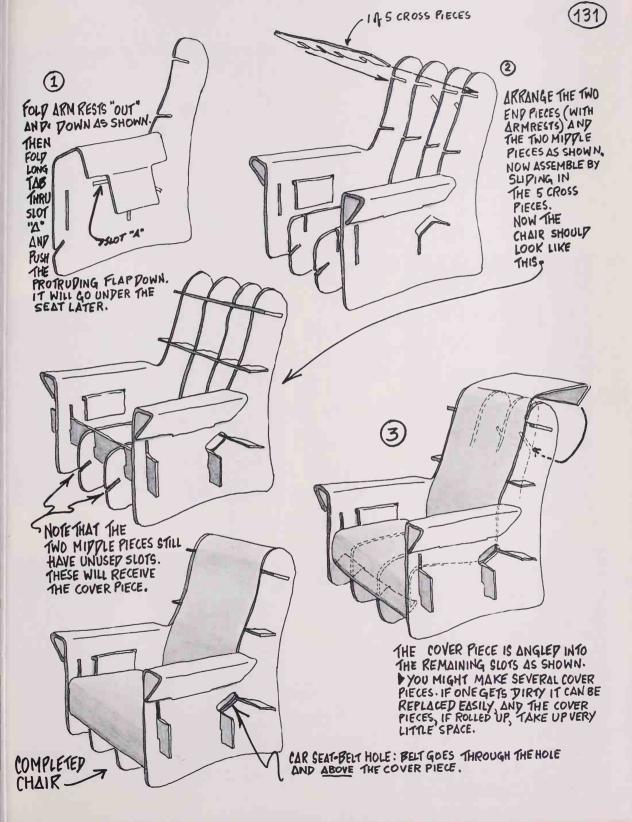


IN ONE of VIC'S & JIM'S CLAGGES, WE FELT THAT A CAR-SAFETY SEAT FOR TOTS, MAYED CARPBOARD, WOULD MAKE SENGE.

AMONG THE MANY STUPENT SOLUTIONS WAS THE ONE BY EPPIE COLEMAN, PICTUREP TO THE LEFT.

JIM GIMPLIFIED IT SO THAT YOU CAN BUILD IT WITH NO HASSLE.



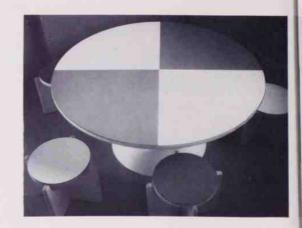


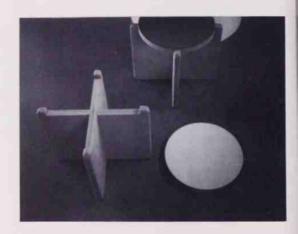
KEN YOST BUILT THIS CHILDREN'S PLAY-TABLE AND FOUR STOOLS. THE CONSTRUCTION OF THE STOOLS IS SIMILAR TO THOSE WE SHOWED ON PAGE 44, EXCEPT THAT THE TOPS ARE REMOVABLE & REVERSIBLE. THE MATERIAL IS 3/4" FINNISH IMPORTED PLYWOOD [14-PLY], WITH BLUE OF WHITE FORMICA TOPS. THE TABLE IS ALSO COVERED WITH BLUE & WHITE FORMICA.

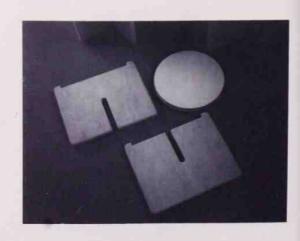
AS JENNI SATU PAPANEK,
MICHAEL HENNESSEY & ERIKYOST
CAN PELIGHTEPLY AFFIRM AFTER
THEIR 2<sup>ND</sup> BIRTHPAY PARTY, SIZES
ARE JUST RIGHT FOR TOPPLERS:

STOOLS ARE 10" HIGH, STOOL TOPS ARE 9'2" PIAMETER; ENTIRE STOOL (INCLUDING TOP RETAINER HUMPS) IS 11" WIPE.

TABLE-TOP IS 36" DIAMETER & TABLE IS 17" TALL.







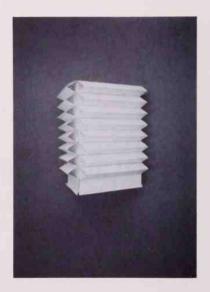


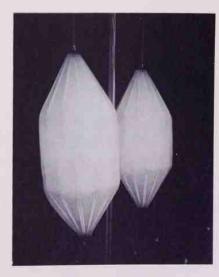
HANDWRITE A BOOK LIKE THIS. THE WRITING ITSELF BECOMES DISTILLED, UNTIL IT IS BOTH LUCID AND PERSONAL, LIKE WRITING A LETTER.

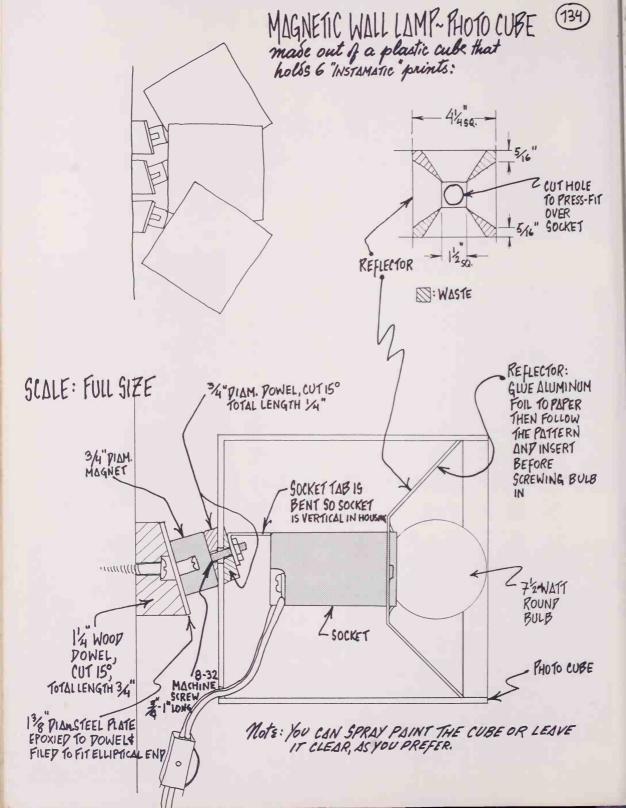
NOW THE BOOK IS PONE. WE ARE BOTH AWARE OF HOW MUCH WE HAP TO LEAVE OUT [AS TOO COMPLEX TO SELF-BUILT, TOO COSTLY, MUCH TOO PERGONAL, ETC.]. PIMLY WE ARE ALSO AWARE OF HOW MUCH ELSE WE HAVE LEFT OUT, WITHOUT MEANING TO.

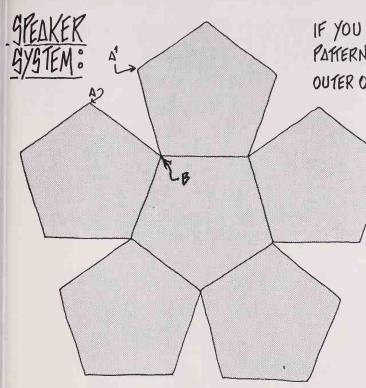
BUT THEN, THIS IS THE FIRST BOOK OF ITS KIND. THE REASON FOR NOT GIVING YOU A BIBLIOGRAPHY IS SIMPLE: NO OTHER BOOKS ON HIGHLY PORTABLE FURNITURE [WITH OR WITHOUT A PO-IT-YOURSELF SLANT], EXIST. IF YOU WANT TO READ MORE: WAIT A WHILE! THIS BOOK WILL START SIMILAR WORK BY OTHERS.

ON THESE LAST FOUR PAGES WE HAVE SOME THINGS WE FELT SHOUDN'T BE LEFT OUT. THE PICTURES HERE ONLY HINT THAT YOU CAN INTELLIGENTLY FOLD PAPER OF PLASTICTO GIVE IT STRENGTH & BODY FOR A LAMP.









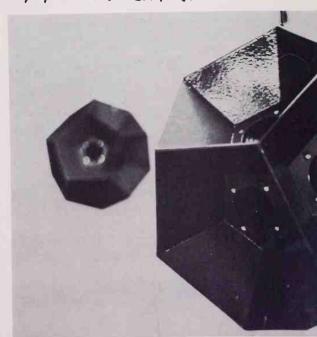
PATTERN, AND BEND THE FIVE, SHAPED, OUTER ONES UP, UNTIL THE SIDES MEET

[EXAMPLE: SIPE A-B MEETS SIPE  $\Delta^4$ -B],
YOU HAVE BUILT HALF IT A
GEOMETRIC GOLIP CALLEP
A POPECAHEPRON. [IT HAS
12 FACES, ALL PENTAGONS].
THEN ASSEMBLE BOTH
HALVES.

VIC PIGCOVERED GOME TIME AGO THAT IF YOU EXTEND THE EDGES OF A DODECA~

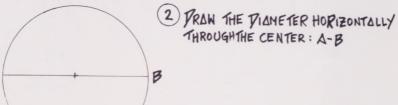
HEPRON OUTWARP IN A REGULAR MANNER [SEE PHOTO BELOW], THEN THE ANGLES of EACH of THESE TWELVE FIVE-STOPE HORNS COINCIPE NEARLY EXACTLY WITH OPTIMUM SOUND PISPERSION ANGLES.

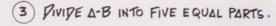
WITH THIS KNOWLEPGE FOR
STARTERS, POUGLAS SCHOEFFLER
BUILT 2 POPECAHEPRAL SPEAKERS
OUT & FIBREGLASSEP CARPBOARD.
WE PURPOSEFULLY USEP THE
LEAST EXPENSIVE, TINNY SPEAKERS WE
COULD GET AT 73 EACH. THE 24
SPEAKERS, MOUNTEPAS SHOWN,
GIVE SUPERB \$400 - GPEAKER SOUND
EXCEPT FOR BASS REFLEX. NE NON'T
SHOW YOU HOW TO BUILD THIS; EXPERIMENT YOURSELF. FOR PENTAGONS, TURN.



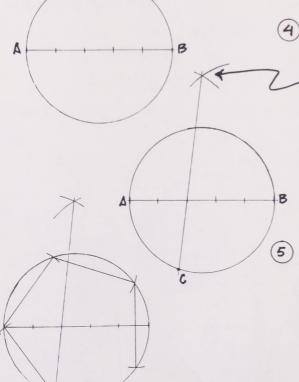
## How to Eraw a Pentagon:

USE COMPAGE TO PRAW A CIRCLE. THE PENTAGON WILL FALL WITHIN THE PIAMETER.





4 SET THE COMPASS TO THE LENGTH & A-B.
SCRIBE TWO ARCS, ONE FROM "A" ONE
FROM "B" TILL THEY INTERSECT ABOVE
THE CIRCLE.
NOW DRAW A LINE FROM THIS INTERSECTION
THROUGHTHE SECOND DIVISION AND
TO THE OPPOSITE RIM & CIRCLE: POINT "C".



1

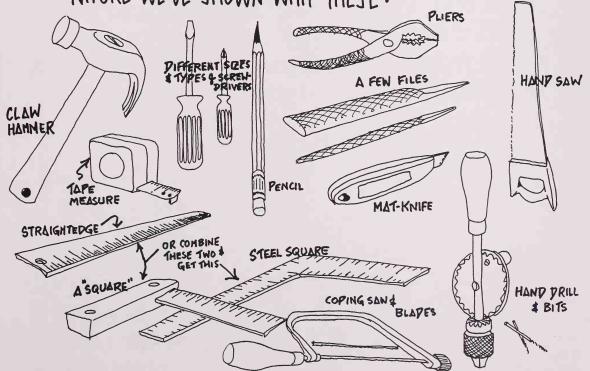
A LINE FROM "C" TO "A" FORMS ONE SIDE OF THE PENTAGON. MEASURE THIS LINE WITH THE COMPASS AND MARK THE RIM OF THE CIRCLE ALL THE WAY AROUND. CONNECT ALL THE POINTS AND THEY FORM A PENTAGON.

# HINTS FOR WORKING:

• WRITING A STEP-BY-STEP PESCRIPTION ON HOW TO BUILD EVEN THE SIMPLEST FURNITURE PIECE IS SILLY. MOREOVER ITWOULD BE A GARGANTUAN TASK, FRUSTRATING TO US AND CONFUSING TO THE READER.

THE PURPOSE BEHIND THIS SECTION IS TO OUTLINE THOSE THINGS YOU'LL NEED TO BUILD THE FURNITURE IN THIS BOOK.

TOOLS: A LOT COULP BE GAIP ABOUT VARIOUS TYPES, BRAND-NAMES & USES, BUT YOU CAN BUILP THE FUR-NITURE WE'VE SHOWN WITH THESE:



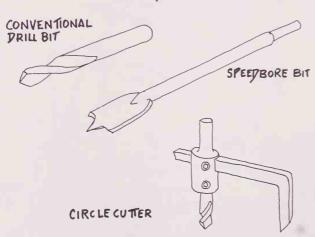
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· IF YOU HAVE ACCEGG TO POWER-TOOLS, AN ELECTRIC PRILL IS USEFUL. BIG PANELS CAN BE CUT WITH A CIRCULAR SAW; A SABRE SAW WORKS FOR GENERAL-PURPOSE CUTTING of MAKING SLOTS. REMEMBER: GOPHISTICATED TOOLS IN THE HANDS & A GOOD CRAFTS-MAN GIVE BETTER RESULTS: A PRILL-PRESS CAN MAKE A CLEANER, STRAIGHTER HOLE THAN YOU COULD BY HAND. CONVERSELY, FINE PETAILS CAN OFTEN BE ACHIEVED BY CAREFUL HAND WORK.

• CRAFTSMANSHIP IS KNOWING WHICH TO USE WHEN. IT'S EASY TO GET ALL INVOLVED WITH POWER-TOOLS - SO WHEN IN POUBT, GO CAREFULLY BY HAND - IT'S SLOWER BUT YOU ARE IN CHARGE.

· IF YOU NEED POWER-TOOLS, BORROW OF RENT THEM. BE CONCERNED ENOUGH ECOLOGICALLY TO NOT ADD TO POLLUTION & WASTEMAKING BY BUYING WHAT YOU MAY USE RARELY.

PRILL BITS: A CONVENTIONAL PRILL BIT IS EXCELLENT FOR GENERAL-PURPOSE WORK, SOFT METALS, WOOD AND EVEN PLASTICS. [SPECIAL PRILLS FOR PLASTICS ARE NOW ON THE MARKET.] THE SPEEDBORE BIT IS FOR WOOD ONLY, BUT IT IS SUPERB FOR MOST WORK. IT PRILLS



EASILY, MAKES A
CLEAN HOLE & WON'T
SPLINTER THE WOOP.
FOR VERY LARGE
HOLES [1½" OR MORE],
USE A CIRCLE CUTTER.
SINCE THERE ARE MANY
PIFFERENT ONES ON
THE MARKET, THEY MAY
PIFFER FROM THE SKETCH.

CIRCLE CUTTERS MUST BE USEP WITH EXTREME CAUTION AND ONLY ON A PRILL-PRESS. [THEY WORK VERY WELL ON PLASTICS TOO!]

WOOT

HERE IS A CHART SHOWING THE VARIETY OF SIZES YOUR LOCAL LUMBER PEALER SHOULD HAVE IN STOCK:

LINEAR LUMBER		SHEET LUMBER*	
ASK FOR:	TRUE SIZE:	14 PLYWOOP	4'×4', 4'×8'
1"×2"	3/4"×1/2"	1/2" PLYWOOD	AS ABOVE
("×3"	3/4"×2'2"	3/4" PLYWOOP	DS ABOVE
("×4"	3/4"× 3½"	*CHIP-BOARD & MASONITE COME IN THESAME SIZES. PLYWOOD CUT-OFFS CAN OFTEN BE BOUGHT CHEAPLY!	
1×6"	3/4"×5½"		
1"×8"	3/4"× 7'4"		
1"×10"	3/4"× 914"	36" POWEL ROPS, PLAMETERS:	
"×12"	3/4"×114"	1/8"	3/4" [ALSO IN 8-10-12 FT. ]
2"× 2"	1/2"×1/2"	1/4"	7/8"
2"×4"	1/2"×3/2"	3/8"	14"
2"×6"	1/2"×5/2"	1/2"	"AS WELL AS   1/2"   2"
4″×4"	3½×3½°	5/8"	COME ALSO IN 8,10 \$ 12 FOOT LENGTHS [SEE 3/4"ABOVE]

WHEN BUYING LINEAR LUMBER, ALWAYS HAND-SELECT THE WOOD FOR CLEANLINESS & STRAIGHTNESS. SIGHT POWN THE LENGTH TO SPOT BOWS OR WARPS. LOOK FOR KNOT-HOLES, LOOSE PLUGS OF SPLITS. ONCE YOU'VE BOUGHT IT, IT'S YOUR PROBLEM, SO BE FINICKY!

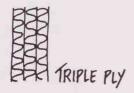
### DORRUGATED CARPBOARD:

SINGLE PLY

GINGLE PLY IS USED IN MOST OF OUR CORRUGATED FURNITURE WHERE EASE of AVAILABILITY, EASE of CONSTRUCTION AND COST ARE IMPORTANT.

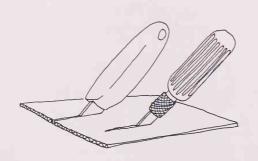
POUBLE PLY

POUBLE PLY IS USEP IN FURNITURE THAT MUST SUPPORT A GREAT PEAL of WEIGHT, SUCH AS CHAIRS \$ BEPS.

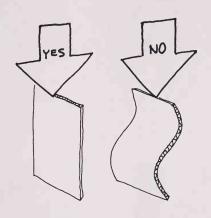


TRIPLE PLY HAS NOT BEEN USED IN THIS BOOK - IT IS RIPICULOUSLY EXPENSIVE AND HARD TO FIND.

SINGLE PLY-SINGLE FACE SINGLE PLY-SINGLE FACE [AS WE CALL IT] IS HIGHLY BENDABLE & THERE-FORE USED AS COVER OR CONTOUR.



10 CUT CORRUGATED USE A MAT-KNIFE. THE CONVENTIONAL UTILITY KNIFE & AN "X-ACTO" KNIFE ARE SHOWN. REPLACE BLADES OFTEN TO INSURE SHARPNESS. ALWAYS GUIDE THE KNIFE WITH A STEEL STRAIGHTEDGE, TO GET CRISP EDGES & CLEAN LINES.



#### STRENGTH:

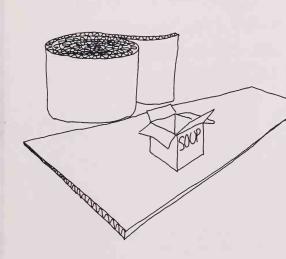
ALWAYS POSITION THE CORRUGATEP SO THAT THE "5" LAMINATIONS ARE VERTICAL.

AS THE ILLUSTRATION SHOWS, CARPBOARD DERIVES ALL ITS STRENGTH FROM THIS KIND & ALIGNMENT.

BE CAREFUL TO ALWAYS USE CARPBOARD IN THIS WAY IN ALL FURNITURE THAT YOU BUILD.

#### ACCESS:

MANUFACTURER AND FIND SHEETS
OF CORRUGATED. GINGLE AND
POUBLE PLY COME IN ALMOST ANY
917E, EVEN IF YOU NEED ENORMOUS
SHEETS.
GINGLE PLY~ SINGLE FACE COMES IN
HUGE ROLLS, ABOUT 4 FEET HIGH
AND 6 FEET IN PLAMETER.
THE BEST AND MOST AVAILABLE
GOURCE IS THE LOCAL APPLIANCE
STORE. ONE REFRIGERATOR CARTON
WILL BUILD ALMOST ANYTHING
IN THIS BOOK.



AN INGENIOUS "INVISIBLE" CYLINDER HINGE.

FOR 180° OPENINGS \$ MAPE & PROFILE BRASS.

FROM: SISOEXPORT LTP. 26 NYROPGGAPE 1602 COPENHAGEN PENMARK













FOR ALL & THE FURNITURE THAT USES CASTORS, WE'VE SPECIFIEP "BALL"-CASTORS. THE LARGEST SELECTION EASILY AVAILABLE IS MADE BY BASSICK, INC.



USE "ELMER'S" of OTHER WHITE GLUE WHEN GLUING WOOP AND ALWAYS USE CLAMPS.

ON ANY PROJECT: TAKE YOUR TIME, IF YOU RUN INTO PIFFICULTIES - GET THE HELP of GOMEONE EXPERIENCED.

Good Luck!

#### PHOTOGRAPHIC CREDITS:

WE WIGH TO THANK THE MANUFACTURERS, PERIOPICAL PUBLISHERS & PHOTOGRAPHERS WHOSE MATERIAL APPEARS IN THIS BOOK. HERE ARE OUR SOURCES:

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P. 88,89; LOUIS SCHNAKENBURG, "MOBILIA"

P.36: COURTESY: "MOBILIA", ALSO P.142

P. 76: TIM STREET-PORTER, COURTEGY: "PEGIGN", GREAT BRITAIN

P. 39: KUVAAMO LUOMA, HÄMEENLINNA, FINLAND

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P.20,21: JIM & PENNY HULL, LOS ANGELES

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P. 107: ADVERTIGEMENT @ by "INNERSPACE", 1972

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VICTOR PAPANEK

JAMES HENNESSEY

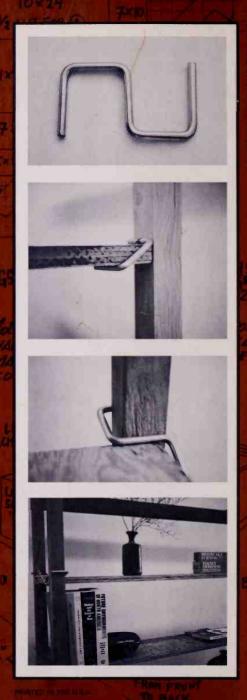






Most Americans—especially young people—move more and more frequently, over increasingly great distances. Furniture designs to suit these contemporary nomads are developing rapidly; many are improvised under the stress of unexpected living conditions. This book is the first to catalog all the easily available existing designs, and to offer new ideas for compact, flexible, and forthright equipment for homes. Living environments are analyzed in sections on eating, working, seating, sleeping, storage, and lighting. The special needs of older people, children, and babies are answered in concrete and realistic designs. For people who have no previous knowledge of design or building, sketches and specifications are given for making furnishings which are foldable, inflatable, or stackable, and which they can discard later without being ecologically irresponsible.

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