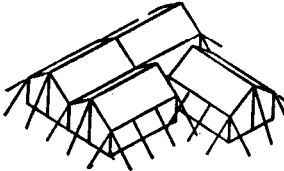
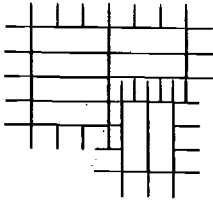
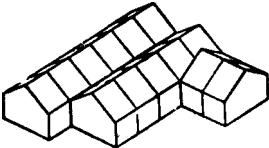
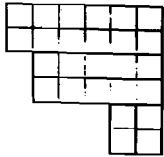

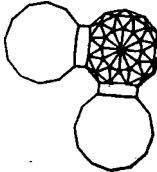


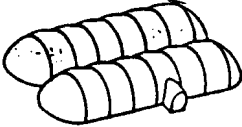
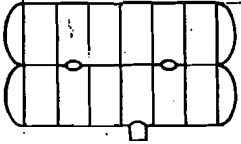
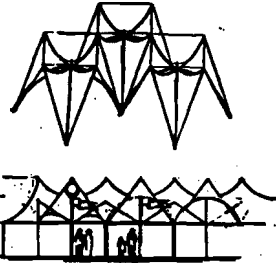
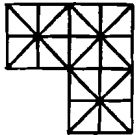
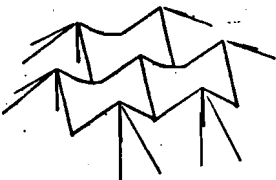
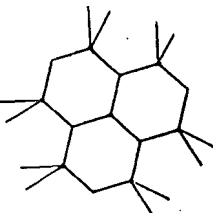
DEVELOPMENT OF MODULAR MEMBRANE
STRUCTURES FOR LEISURE ACTIVITIES


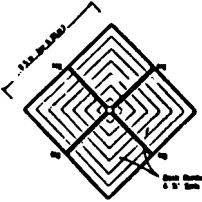

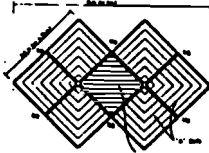

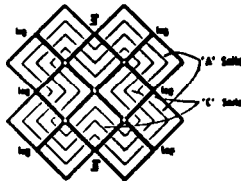
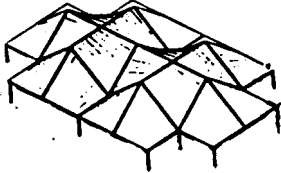
C.B. HEYRING
TENSILE STRUCTURES W.A.

ATTACHED IS A TABLED SUMMARY OF THE TALK HIGHLIGHTING THE DESIGN DEVELOPMENT CONCEPTS ALONG WITH THE PROS & CONS OF THE VARIOUS SORTS OF MODULAR MEMBRANE STRUCTURES.

THESE DESIGN CONCEPTS AND THEIR POTENTIAL APPLICATIONS & CHARACTERISTICS WILL BE ILLUSTRATED WITH PHOTOGRAPHIC MATERIAL AS WELL AS SOME MODELS.

TYPE	EXTENT OF 3D MODULAR ADAPTABILITY	FLOW THROUGH & INTERNAL OBSTACLES	STRUCTURAL TYPE & ORDER OF INSTALLATION	MEMBRANE'S APPROPRIATE GEOMETRY	DRAINAGE POINTS	PROS& CONS& OPT-IONS	SUBJECTIVE-COMMENTS
 <p>RECTAN- GULAR SQUARE TENTS</p>		<p>EXTENDABLE IN PARALLEL LINES+ADD ON BAYS</p>	<p>PARALLEL ARCHDES WITH CENTRAL POLES</p>	<p>POLE & CABLE & PEG TRADITIONAL. NON AUTO- NOMOUS</p>	<p>NONE (FLAT)</p> <p>VALLEYS ALLOW-IN DELUGES</p>	<p>CANVAS OR PVC</p>	<p>LOW TECH CHEAP PRIMITIVE APPEAL. EASY TO TRANSPORT ERECT ON PEGGABLE GROUND</p>
 <p>INSTANT SPRUNG & HOEKER</p>		<p>EXTENDABLE PARALLEL LINES WITH ADD ON BAYS</p>	<p>PARALLEL HALLS INTER CONNECTED PERIPHERAL COLUMNS BUT NO INTERNAL KING POLES</p>	<p>EXTRUDED FRAME WITH MEMBRANE TRACKED INTO PRE-ERECTED FRAME. AUTONOMOUS</p>	<p>NONE (FLAT)</p> <p>VALLEYS V. DIFF- ICULT TO BOX GUTTER</p>	<p>RLWAVS PVC AS CANVAS MAY SHRINK BETWEEN FRAMES</p>	<p>LARGE SPAN V. UGLY COVER FOR THE MASSES EXPENSIVE BUT EFFICIENT</p>
 <p>GEO- DESIC & DOMES</p>		<p>TUNNEL CONNECTED INDIVIDUAL PODS</p>	<p>V. LIMITED, DO NOT WORK WELL COLLECT IVELY BUT NO INTERNAL POLES</p>	<p>GEODESIC - ALLOY SPACE FRAME ERECTED FIRST MEMBRANE PULLED UP UNDERSIDE. AUTONOMOUS</p>	<p>SHOULD BE SYN- CLASTIC BUT IS NOT IN- FLATED. SOMETIMES LOCALLY ANTI- CLASTIC</p>	<p>ALL AROUND DELUGE</p> <p>USUALLY DRAPED/ FLOPPY LININGS</p>	<p>IGLOO- CLAUSTR OPHOBIC & INAPPROP RIATE IN WARM CLIMATE U. EXPENSIVE</p>

TYPE	EXTENT OF 3D MODULAR ADAPTABILITY	FLOW THROUGH & INTERNAL OBSTACLES	STRUCTURAL TYPE & ORDER OF INSTALLATION	MEMBRANE'S APPROPRIATE GEOMETRY	DRAINAGE POINTS	PROS & CONS & OPTIONS	SUBJECTIVE COMMENTS		
	INFLATABLE VAULTS & DOMES		TUNNEL CONNECTED	V. LIMITED WALLS NOT REMOVABLE	NO COMPRESS & FLEXUML MEMBERS BUT SEALING TO GROUND DIFFICULTIES.	SYN-CLASTIC	DIFFICULT BETWEEN MODULES	DEPENDS ON POWER MUST BE V. FIRE PROOF PUC.	DANGEROUS CLAUSTRO-PHOBIC DIFFICULT TO SEAL. NEEDS CONSTANT POWER.
	TENS. STR. MIRANTI		EQUALLY EXTENDABLE IN ALL ORTHOGONAL DIRECTIONS	GOOD FLOW THROUGH ORTHOG. WITHOUT POLES	(CURVED) STEEL RHS CABLES BETWEEN PEAKS MEMBRANE ATTACHED AUTONOMOUS	ANTI CLASTIC	AT CORNERS OF SQUARE MODULES	AUHIL. IN HEXAGONAL FORMAT USUALLY PUC. CATENARY CABLE BORDERED MEMBRWE SOMETIMES DIFFICULT	VISUALLY EXCITING & DIFFERENT SPECIALISED
	TENS. STR. HEX.		BEEHIVE/ HEXAGONAL EXTENSIBILITY	GOODFLOW THROUGH 1 INTERNAL POLE PER 3 NOWLES	POLE, CABLE & PEG. NON AUTONOMOUS	ANTI CLASTIC	AT TIE DOWN POINTS ONLY	AVAILABLE IN. SQUARE CONFIG.	CHEAPISH LOOKS GOOD BUT CABLES TAKE UP H LOT OF SPACE

TYPE	EXTENT/ MODULAR ADAPTABILITY	FLOW THROUGH & INTERNAL OBSTACLES	MEMBRANE DRAIN APPRO- RIATE GEOMETRY	PROS/CONS POINTS OPTIONS	SUBJECTIVE COMMENTS
 <p data-bbox="436 402 607 565">TENSILE STRUCTURES RAINBOW ONE, SQUARE MODULAR SYSTEM</p>		<p data-bbox="893 396 1070 508">EXTENDABLE IN ALL ORTHOGONAL DIRECTIONS</p>	<p data-bbox="1140 396 1339 594">SINGLE R1 POD, NO CENTRAL POLE NO CORNER POLES AND OPTIONALLY NO CABLES</p>	<p data-bbox="1659 402 1827 570">4.25, 8.5 & 11 METRE MODULAR BASES SLIDE-IN WALLS</p>	<p data-bbox="1906 407 2085 602">VISUALLY READS AS A SELF CONTAINED AUTONOMOUS UNIT 4XTYPE A SAILS</p>
 <p data-bbox="436 626 562 708">"EXPO" CONFIG- URATION</p>		<p data-bbox="893 626 1099 740">EXTENDABLE ORTHOGONALLY BUT ADDED TO DIAGONALLY</p>	<p data-bbox="1140 626 1346 911">6 OR 12 M WIDE ARCADE WITHOUT ANY INTERNAL COLUMNS VISUALLY & FUNCTIONALLY ONE COHERENT LONG STRUCTURE</p>	<p data-bbox="1659 634 1816 773">OPTIONAL DIAGONAL INTERNAL PARTITION WALLS</p>	<p data-bbox="1906 634 2085 781">TYPE A & B SAILS IDEAL FOR CORPORATE CHALETS</p>
<p data-bbox="203 943 427 959">I RAINBOW II CONFIGURATION II</p>  <p data-bbox="436 943 562 1052">"RAI TWO" CONFIG- URATION</p>		<p data-bbox="1140 943 1379 1170">8.5, 17 OR 22N SPAN NO INTERNAL COLUMNS. VISUALLY & FUNCTIONALLY ONE CRUCIFORM HALL</p>	<p data-bbox="1659 951 1839 1065">COHESIVE VISUALLY IDENTIFYING EXTENT</p>	<p data-bbox="1906 951 2085 1097">TYPE A & C SAILS . WORKS WELL FOR PARTIES EXHIBITIONS</p>	
					

TYPE		FLOW THROUGH & INTERNAL OBSTACLES	MEMBRANE'S APPROPRIATE GEOMETRY	DRAINAGE POINTS	PROS & CONS & OPT-IONS	SUBJECTIVE-COMMENTS
"BLOCK" CONFIGURATION		LEG POSTS HT 8.5M CENTRES ORTHOGONALLY NO NORMAL PREFERENTIAL MODULE UNLESS CLUSTERS OF B SAILS ARE USED	C	S	RAMBLING & UAST	TYPE A & B SAILS THE BLOCK IS A COMBINATION OF LOTS OF RAINBOUS WITH OPTIONAL 'B' EXPO SAILS
"AMERICA'S" CUP CONFIG.		INTERNAL WALLS BETWEEN CHALETs. FLOW DELIBERATELY MINIMISED	I	C	INTERNAL TENSIONED MEMBRANE CASEMENT BETWEEN CENTRES MANY, MANY OTHER OPTIONS	RITZY CORPORATE CHALETs THAT LOOK LIKE A MILLION DOLLARS TYPE A & C PLUS SMALL 'A' SAILS
SUAN PREMIUM CONFIG.		HEXAGONAL BEEHIVE MODULAR FORMAT WITH INTERNAL COMMON PEAKS & COMMON LEGS BALRST CONES FEELS LIKE ONE LARGE STRUCTURE	T	L	FITS COMFORTABLY IN GARDENS OR RANDOM SHAPED ARERS	HEX. TYPE A & B LINK SAILS SPECTACULAR CURVATURE & PEAKINESS TO ENHANCE CORPORATE SIGNAGE