

Pyramid™

Model PD1

Owner's Manual

Interel, Inc.

140 Carl Street
San Francisco, CA 94117
415 - 566 - 0554
Toll Free: 877-INTEREL

Table of Contents

Introduction.....2

Applications.....2

System Components.....2

Unpacking the Pyramid.....3

Repacking the Pyramid Grabber.....3

Repacking the Pyramid Poles.....3

Pyramid Set Up.....4

Erecting the Pyramid.....4

Attaching the Grabber Assembly.....5

Disassembly.....6

Basic Grabber Operation.....7

Full Grabber Operation.....7-8

Warranty Information.....8

Pyramid Assembly & User Configuration Diagrams.....9-14

Introduction

Pyramid™ is a precision object manipulation device comprised of a collapsible aluminum frame and sixteen control cords that are used to position and operate an object “grabber”. An assortment of objects are included to provide varying challenges to groups of 8 to 16 participants. Learning activities using the Pyramid require minimal physical effort, yet create a highly interactive dynamic.

Applications

Pyramid is a challenging action learning tool that requires cross-functional team coordination: it requires that half of the participants perform one task while the other half perform another. It is an excellent assessment tool and an invaluable practice vehicle for improving leadership and team performance. Pyramid can be used in both indoor and outdoor training environments.

System Components

The Pyramid consists of eight component types:

Apex Unit : A single unit consisting of 4 upper leg sections permanently attached to the apex hinge. The end of each upper leg is color-coded (red.)

Middle Leg Sections : 4 separate leg tube sections, each having one blue end and one red end.

Lower Leg Sections : 4 separate leg tube sections, each with a rubber foot, and color-coded ends (one blue and one green.)

Grabber : A grasping and object manipulation mechanism with operating cords attached to 1-1/2” split rings. The cords are stowed on the grabber storage reel assembly.

Grabber Storage Reel Assembly: This is used to store and transport the grabber operating cords.

Grabber Storage Reel Axle: This is used to unwind the cords before using the Pyramid, and for winding the cords onto the storage reels for storage and transportation.

Perimeter Cord : A 48 foot-long cord used around the base of Pyramid’s legs to maintain stability. This is shipped to you stored on a black spool similar to those included with the object set; the spool may be used as an additional object.

Object Set: An assortment of objects of varying shapes, each uniquely challenging.

Unpacking the Pyramid

The Pyramid is shipped to you in reusable, heavy-duty cartons which should be saved for any future storage and shipping. When removing the Pyramid components from their shipping cartons please take a moment to note the order in which the components are packed so that they can be repacked easily and efficiently.

Repacking the Grabber

Placing the Pyramid Grabber in its reusable shipping carton is simple:

- First, make sure that the protective foam is positioned at the bottom of the corrugated carton and that the corrugated cardboard surround and long corrugated flap are in place.
- Place the Grabber/Storage Reel Assembly in the bottom of the carton with the Grabber legs pointing down and the Storage/Reel Assembly on top.
- Extend the long corrugated flap over the Grabber/Storage Reel Assembly with the remaining end of the flap extending vertically up one side of the carton and over the side.
- Place two of the four black object reels in place.
- Place the two perforated baskets over the ends of the clear plastic bottles, then nest them in place horizontally between the reel flanges.
- Place the other two reels (one empty and one with the Perimeter Cord stored on it) in the remaining space.
- Fold the remaining corrugated flap over these items and place the plastic water bottle in the space remaining.
- Insert the protective square of foam in the top of the carton, lay the instruction packet across the top of the foam, close the flaps, then secure with shipping tape.

Repacking the Pyramid Poles

- Place the protective cardboard over the bare metal ends of the poles.
- Place the fasteners in the ZipLock™ bag, then attach the bag to the poles with a rubber band.

Pyramid Set-Up

The first step is to assemble the apex unit and middle leg sections of the pyramid. To do so:

- Place the apex unit on the floor horizontally.
- Slide the red end of one of the middle leg sections onto one of the upper leg sections, and align the colored dots and bolt holes from the two sections.
- Secure the two sections with an eyebolt and wing nut. The eye of the bolt should be on the same side of the leg as the colored dot.
- Repeat this assembly sequence with the 3 remaining middle leg sections.

Next, add the lower leg sections:

- Insert the smaller diameter end of one of the lower leg sections into one of the middle section legs, matching the blue colored dots.
- Align the bolt holes and secure with an eyebolt and wing nut, again keeping the eye of the bolt on side of leg with the colored dot.
- Repeat this assembly sequence with the three remaining lower leg sections. When pyramid legs are completely assembled, all color dots and the eyes of all bolts should face inward.

Erecting the Pyramid

To erect the pyramid, carefully stand the complete legs/apex unit up and spread its legs out to the corners of an imaginary square approximately six feet on a side.

Adjust the four upper eyebolts at the blue dots on each leg so that the flats of their eyes are parallel to the floor.

Attach one of the four perimeter cord hooks to each of the eyebolts at the green dots (nearest the floor) on each leg.

Adjust the legs outward against the cord to form a stable structure, with the tips of the legs forming a square approximately 12 feet on a side. (See drawing: Pyramid, Top View ~ Page 9)

Attaching the Grabber Assembly

First, place the grabber assembly on floor, with grabber ring down and cord storage reels up, centered between the four legs of the pyramid.

Align the grabber assembly so that each of the four storage reels points toward a leg.

At any of the four reels, remove the wing nut and large washer; set these aside in a safe place—you'll need them later.

Remove the reel from the central mounting stud. (Note: When you remove the cord storage reel make sure the ring/hook assembly is oriented to your right.) With the ring/hook/storage reel notch to your right, insert the supplied storage reel axle through the center hole on the left side of the storage reel. Rotate the storage reel and begin unspooling the blue and black cords. **WARNING:** If the cord is unwound from the reel by pulling the cords off the reel they will become twisted. Unspool all the cord from the reel, then remove the ring/hook assembly from the hole adjacent to the notch on the reel.

Hold the ring/hook assembly with the hook pointing up and connect the hook to the middle eyebolt at the blue dot on the nearest leg. The hook should be fastened downward on the eyebolt.

Pull on all four cord rings to draw the slack from the cords.

Check that the cords run parallel and do not cross; if they are tangled, remove the hook, untangle the cords, and re-hook the cord set. (Properly stored after each use, hook/ring/cord sets will reassemble without difficulty.)

Repeat the above procedure for each of the remaining three cord sets.

Replace the storage reels, washers and wing nuts onto the storage reel mounting studs.

Finally, remove the storage reel assembly from the center of the Pyramid and retain for repacking.

Disassembly

To disassemble the Pyramid, first center the grabber between the four legs. Place the grabber storage reel assembly (with the empty storage reels) on top of the grabber. Align the assembly so that each of the four storage reels points towards a leg.

Remove one empty storage reel. Orient the flange with the notch towards your right side. Holding the reel in your right hand, insert the grabber storage reel axle through the center hole on the left side of the reel.

Pull each of one set of four cords until the split rings meet the hook assembly, then unhook the assembly. Gently stretch the cord/hook assembly and check for tangles. Untangle if necessary.

Insert the hook into the hole nearest the notch on the reel flange. Guide the cords through the notch and, holding the grabber storage axle horizontally, begin turning the reel so that the cords feed onto the reel on the bottom side. Continue carefully reeling the cords as you walk towards the grabber assembly. (When you are about 3 feet from the grabber you may find it easier to remove the reel axle.) Remember: To avoid twisting the cords do not wind the cords around the reel – rotate the reel.

As you approach the storage assembly, turn the reel so that the center hole is vertical. When almost all the cord is stored, place the center hole of the reel over the mounting stud. Rotate the reel to stow the remaining cord, then replace the washer and wing nut and tighten.

Repeat this process for the other three units.

Basic Grabber Operation

You may demonstrate the ease of operation of the grabber by placing a black spool in the center of the Pyramid, placing the grabber next to the spool with the jaws open, then having participants follow these simple instructions:

- Ask participants with blue cords to lift the grabber, position it over the spool, then set it down over the center of the spool. Then have them let the cords slacken.
- Have all participants with black cords close the grabber jaws by tightening the cords to the right of each leg, then have them pick up the spool and move it to another position (Blue cords should be slack at this time.).

The attached diagrams show variations on using the Pyramid with either 16 or 8 participants.

Full Grabber Operation

The Pyramid's leg assembly supports the grabber. Participants operate the grabber by tightening and releasing color-coded cords.

BLUE cords position the grabber, vertically and horizontally.
BLACK cords operate the grabber jaws, either open or closed.
Both BLACK and BLUE can support the grabber above the floor.
When grabber is supported by BLUE cords, jaws can operate.
When grabber is supported by BLACK cords, jaws are locked.

You may further demonstrate the operation of the grabber by having participants follow these instructions:

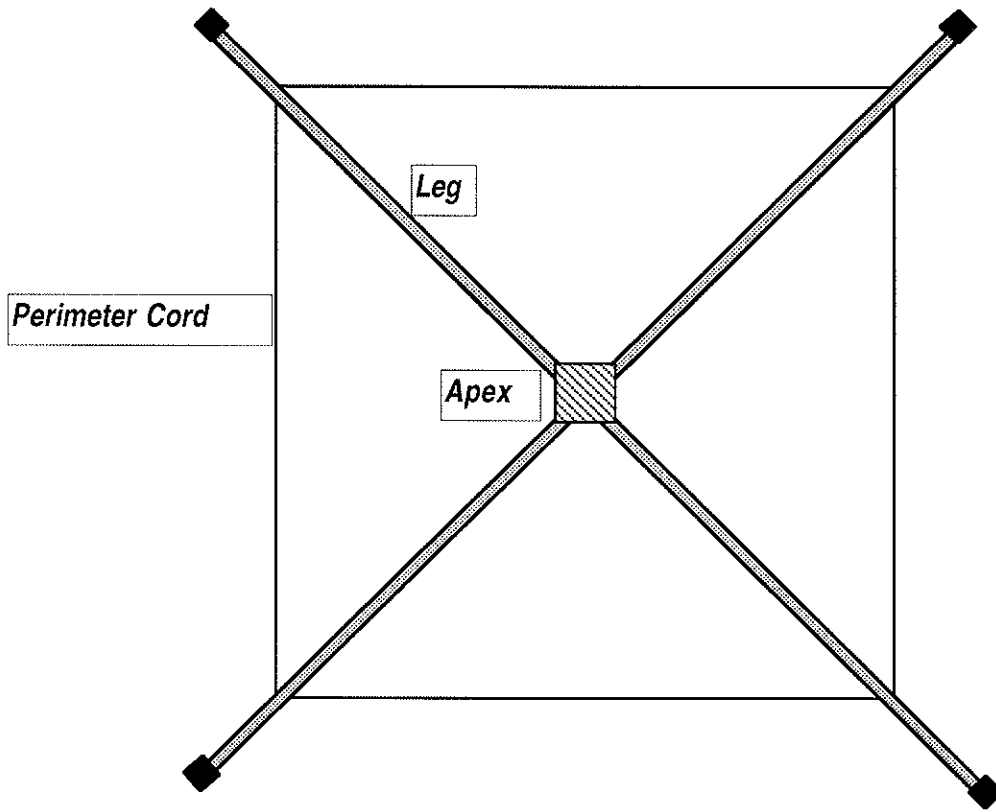
- Ask all participants with BLUE cords to lift, position, and hold the grabber in the middle of the leg assembly. Grabber must be horizontal, and should be approximately one foot above the floor. At this time, BLACK cords must be slack.
- Ask all participants holding BLACK cords that pass to the left of each leg (as seen looking toward the pyramid center) to gently tighten their cords. BLACK cords that pass to the right of each leg must be slack. Notice that the grabber is in the "open" position.

- Ask participants with BLACK cords which pass to the right of the legs to gently tighten their cords. BLACK cords that pass to the left of each leg must be slack. Notice that the grabber is now in the “closed” position.
- Ask all participants holding BLUE cords to loosen them. The grabber is now locked closed, and is supported by only BLACK cords.
- Participants with BLACK cords can now reposition the grabber. Objects held by the grabber jaws will not fall out when the grabber is supported by the BLACK cords only.

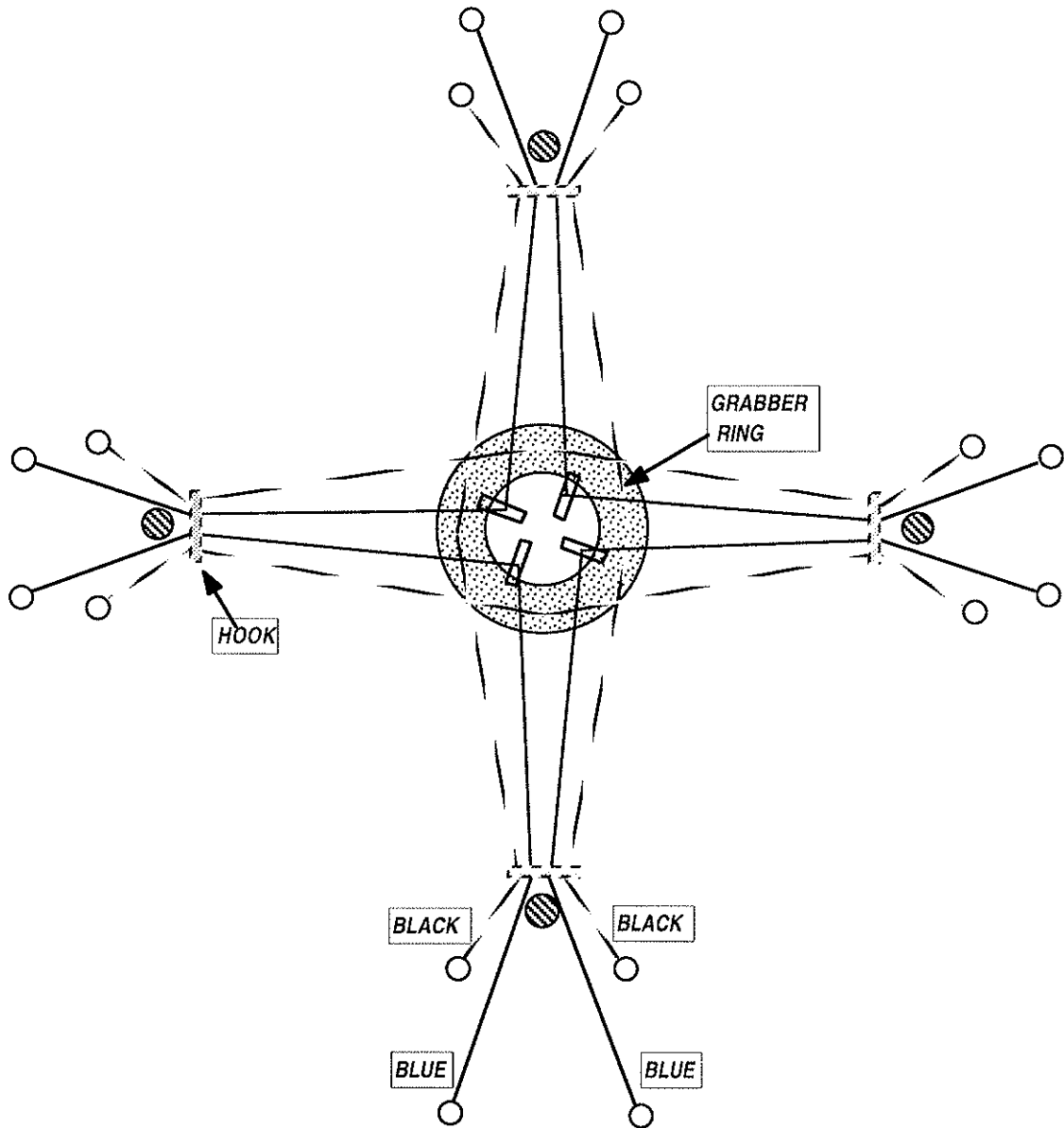
Pyramid Warranty

The Pyramid is covered under warranty for one year from the date of purchase. This warranty covers parts, materials and fabrication, but does not cover damage caused by excessive or inappropriate use, storage or shipping. To have a defective Pyramid repaired under this warranty, please call Interel at 415/566.0554 for a return authorization and additional shipping instructions.

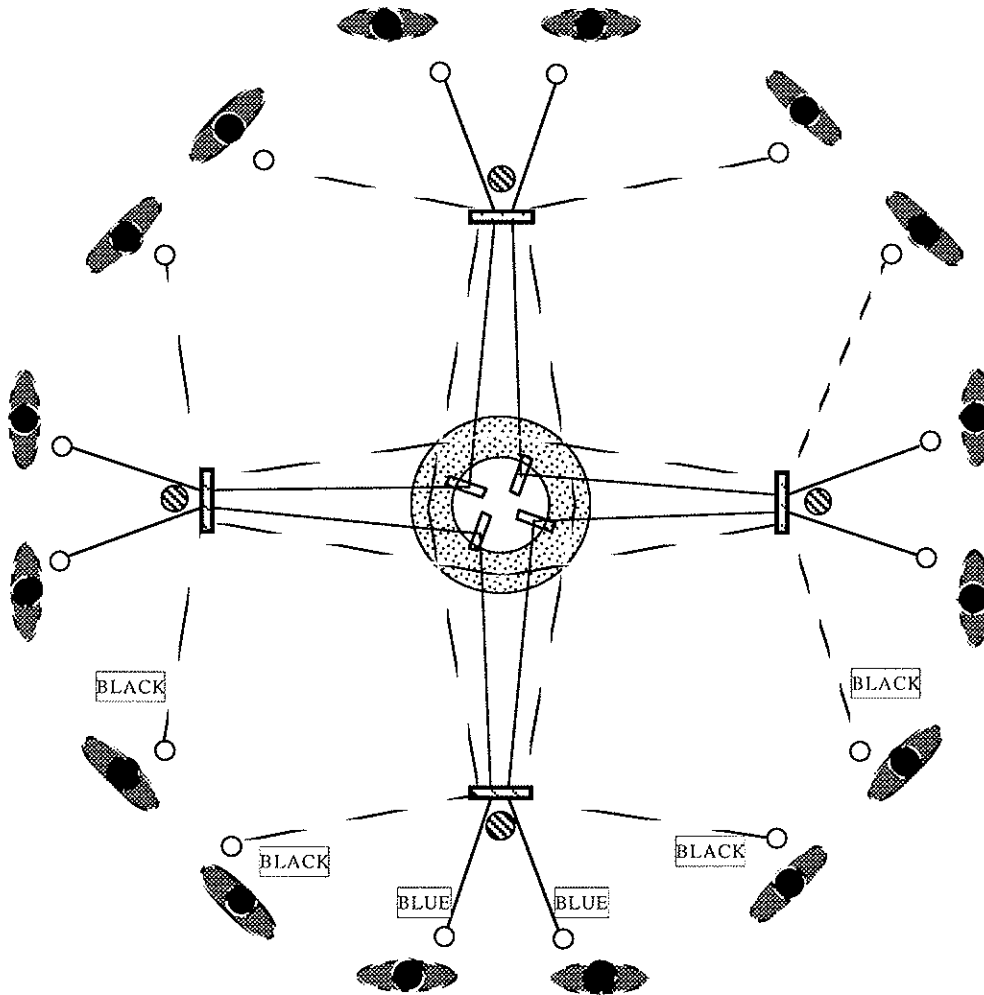
PYRAMID LEG ASSEMBLY ~ TOP VIEW



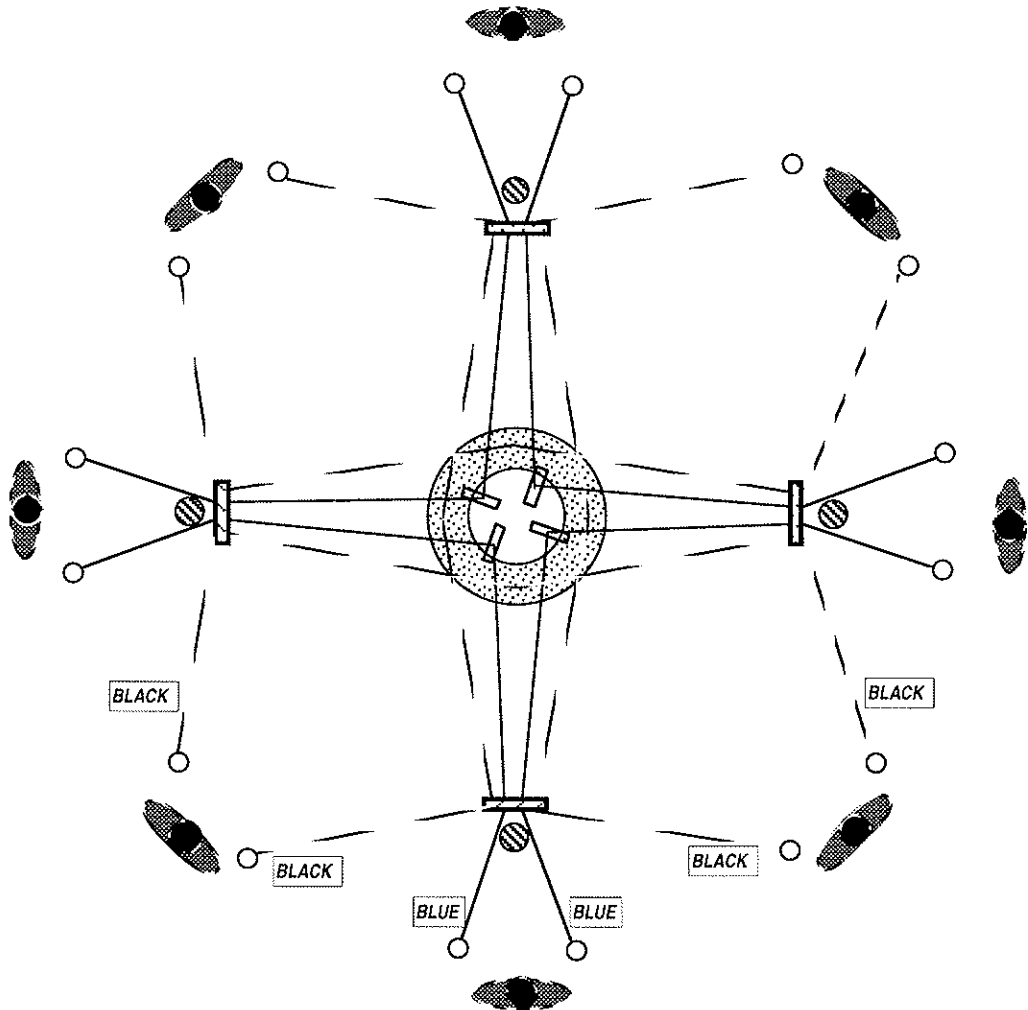
PYRAMID GRABBER ASSEMBLY



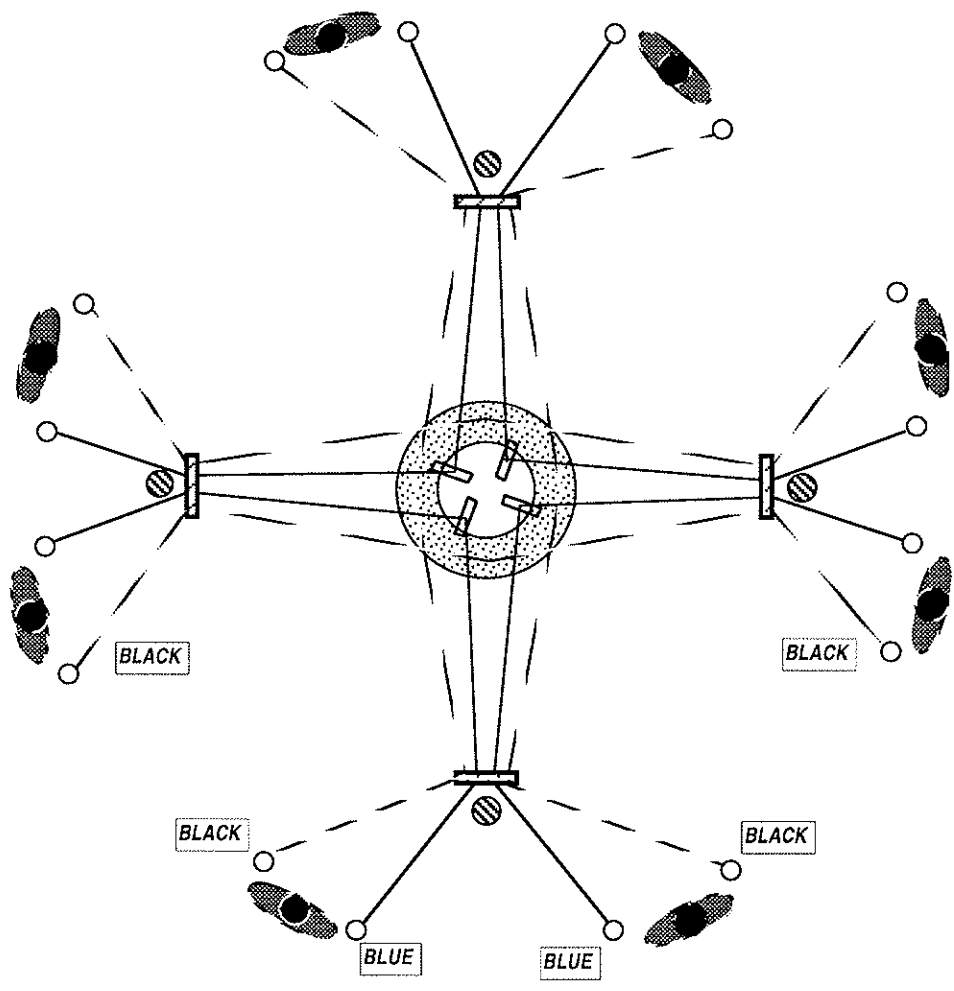
PYRAMID WITH 16 PARTICIPANTS



PYRAMID WITH 8 PARTICIPANTS
CONFIGURATION 1



PYRAMID WITH 8 PARTICIPANTS
CONFIGURATION 2



PYRAMID WITH 8 PARTICIPANTS
CONFIGURATION 3

