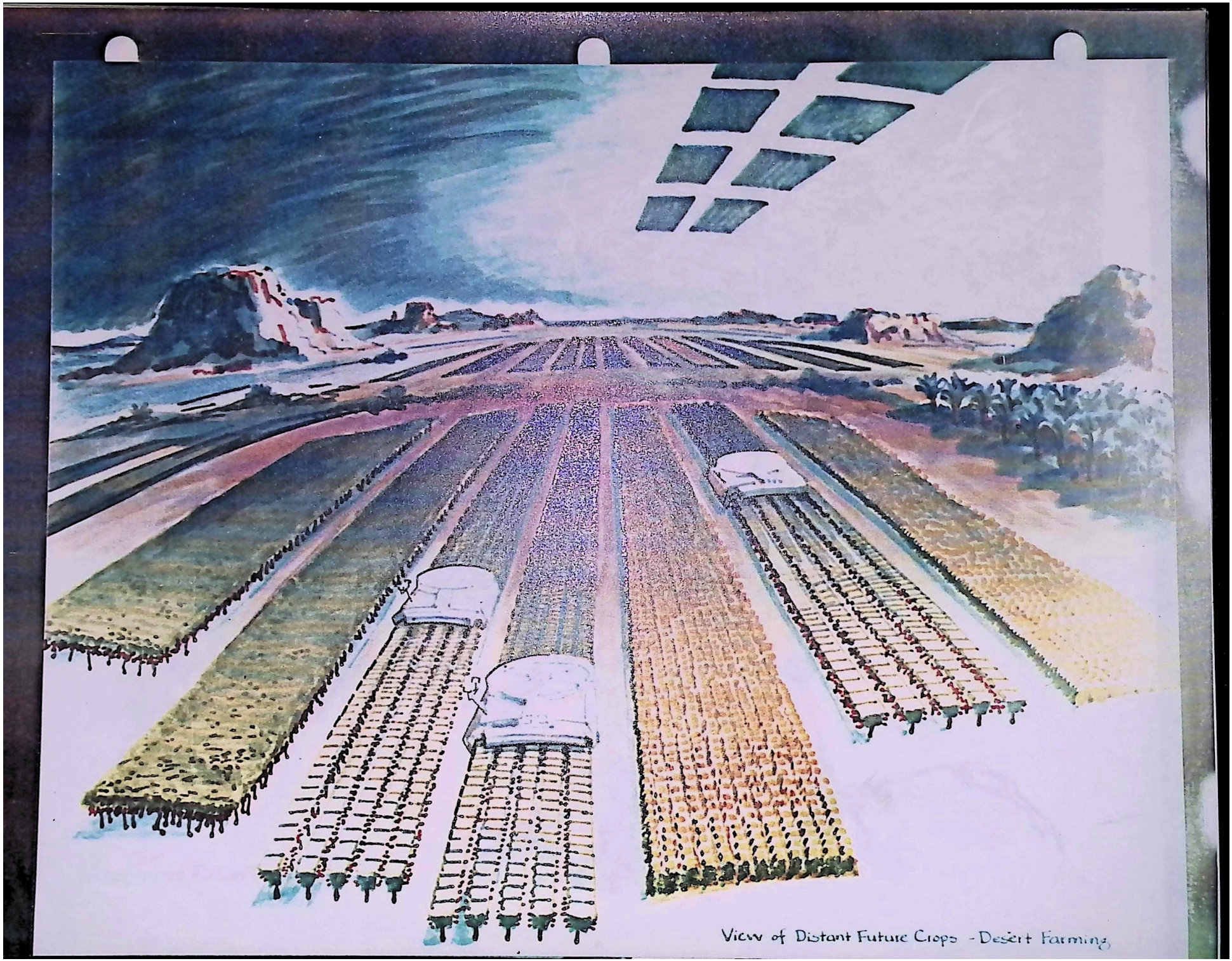
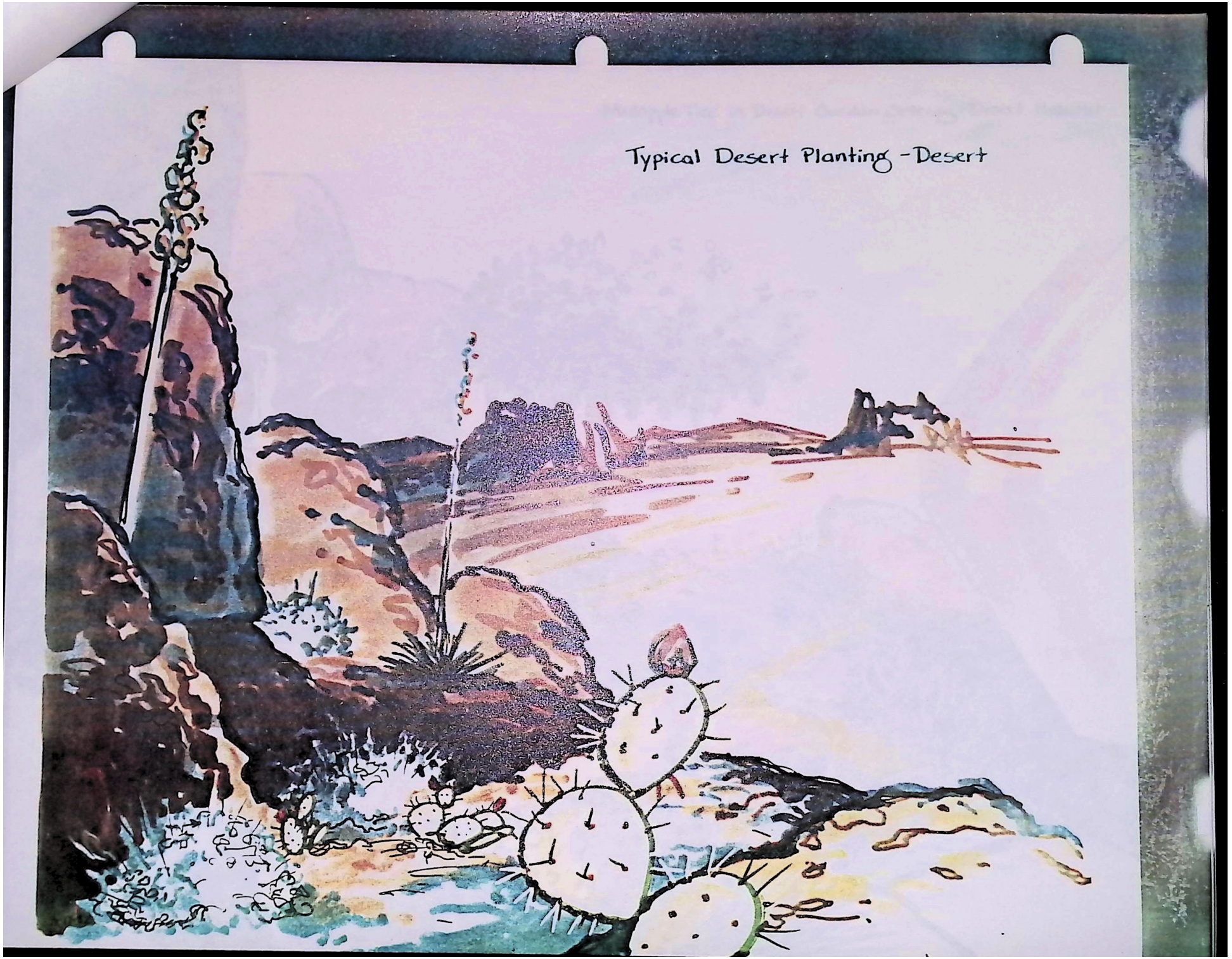
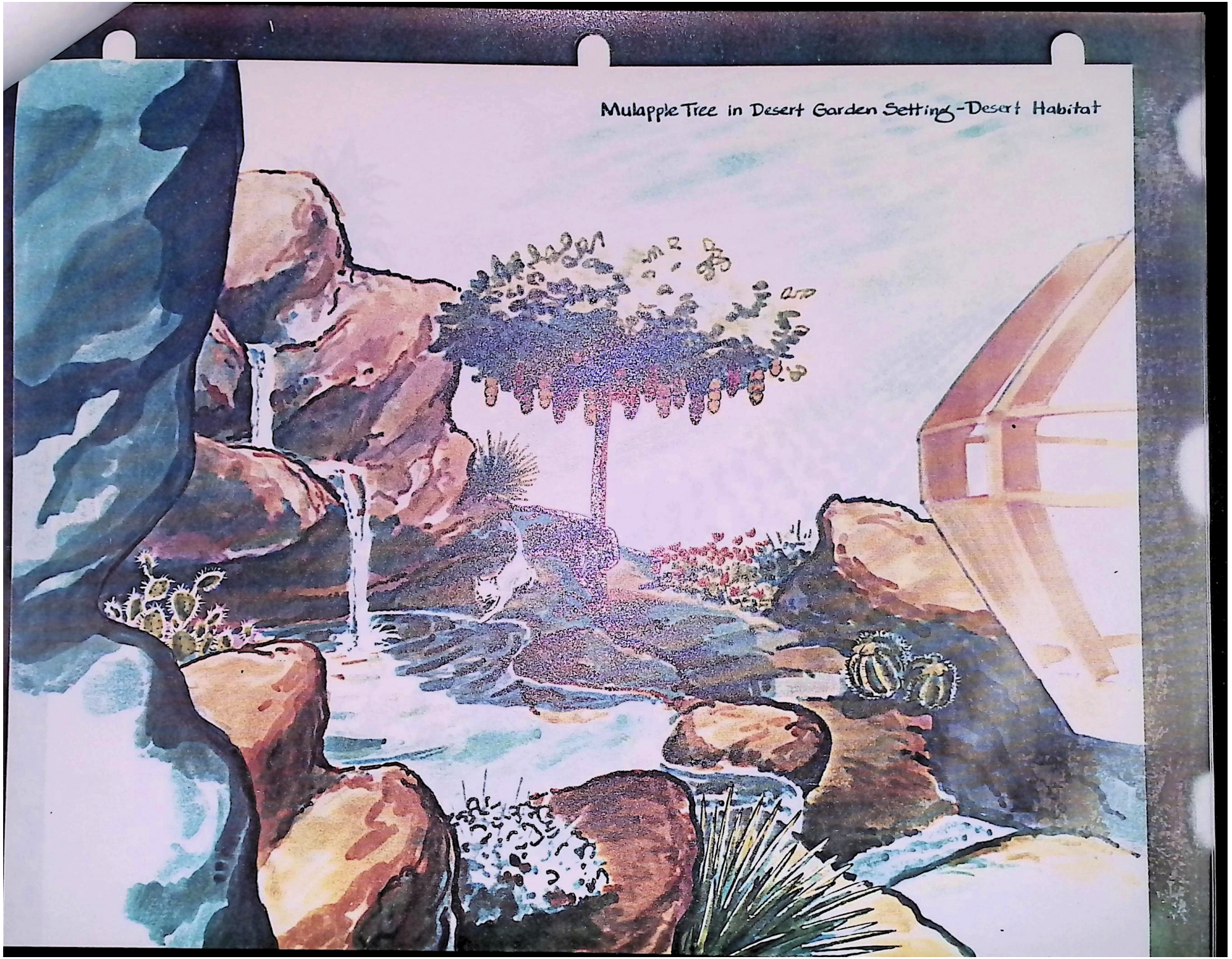
AGRO-DESERT



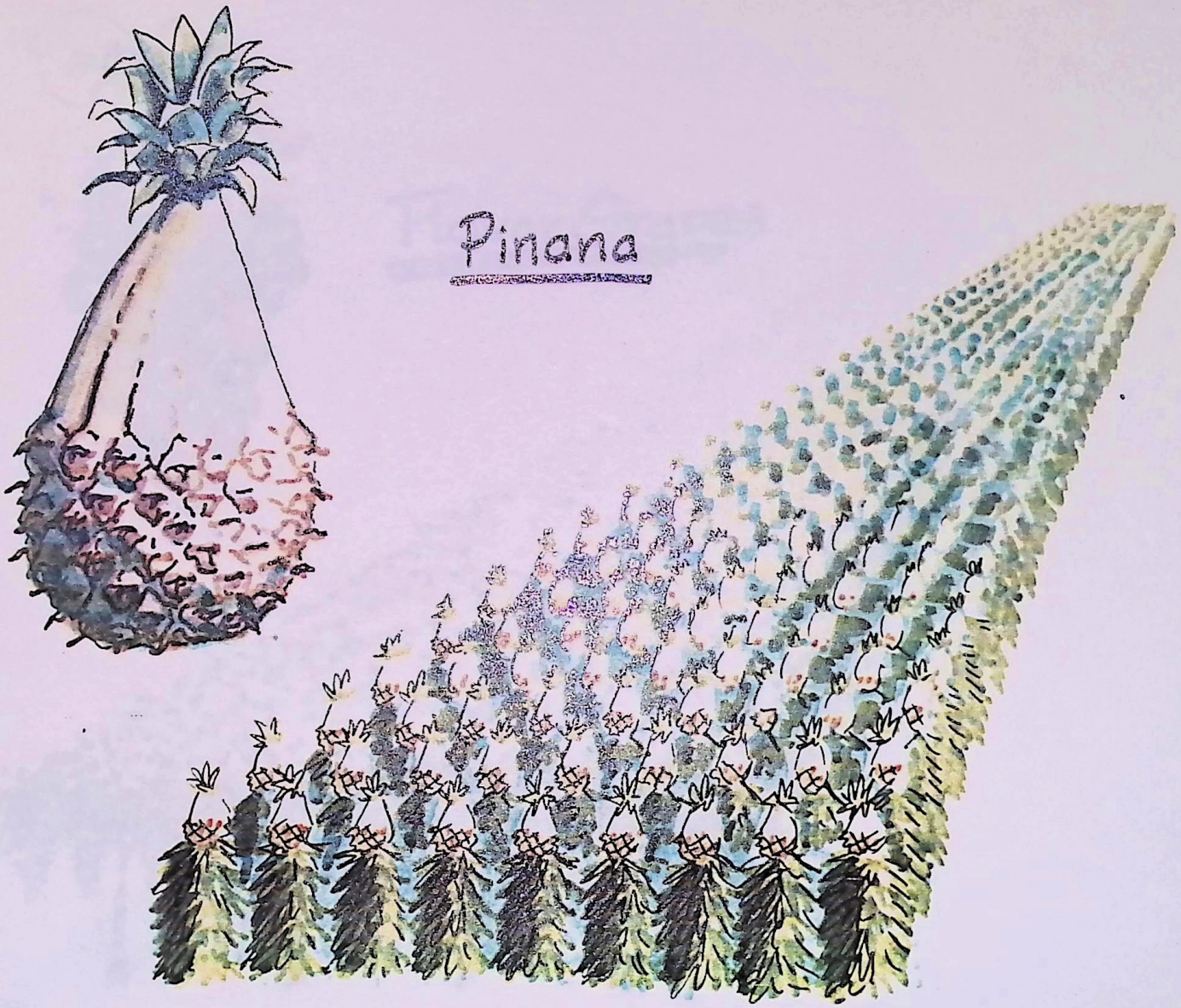
View of Distant Future Crops - Desert Farming


Weathered Pinon Trees - Desert
3-18-82


Typical Desert Planting - Desert

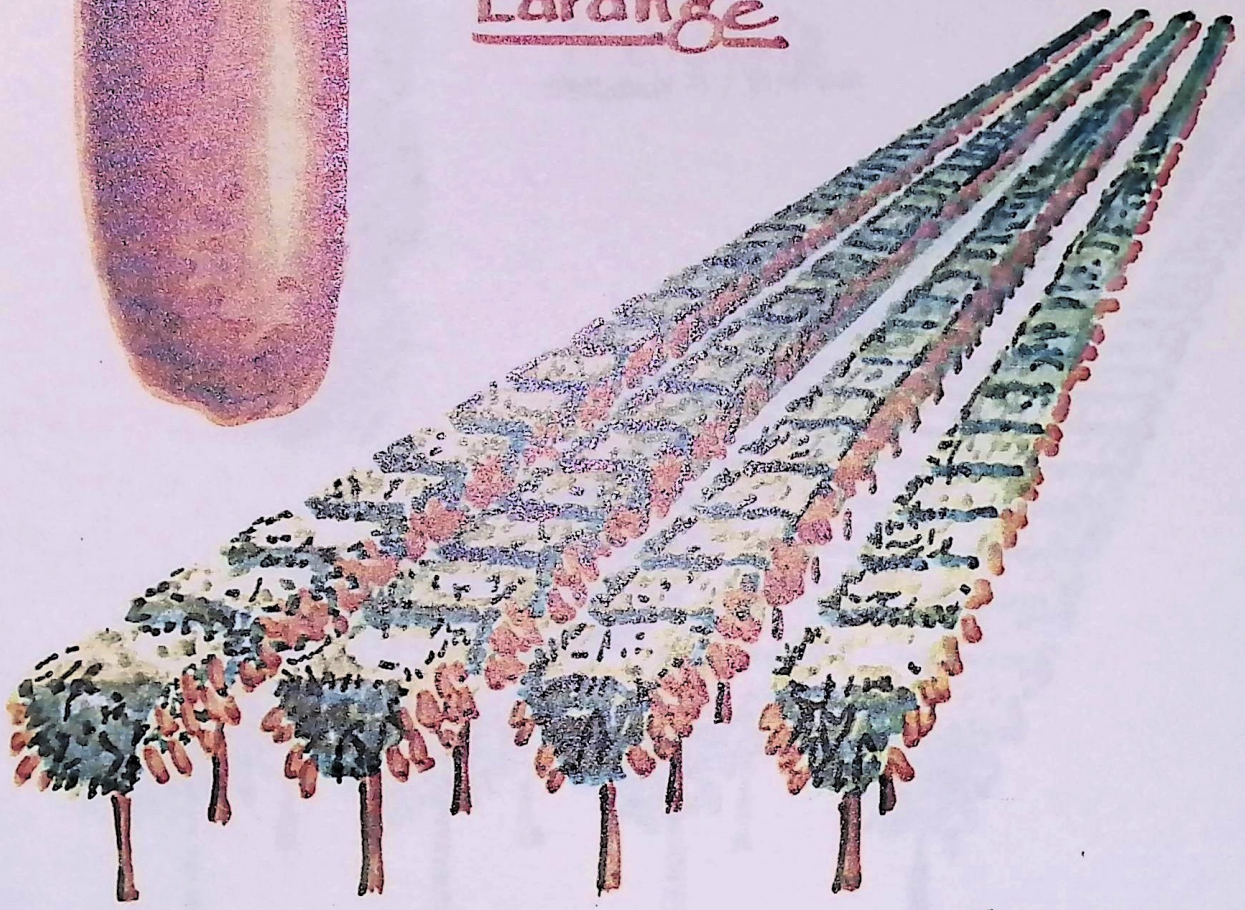

Mulapple Tree in Desert Garden Setting - Desert Habitat

Pinana



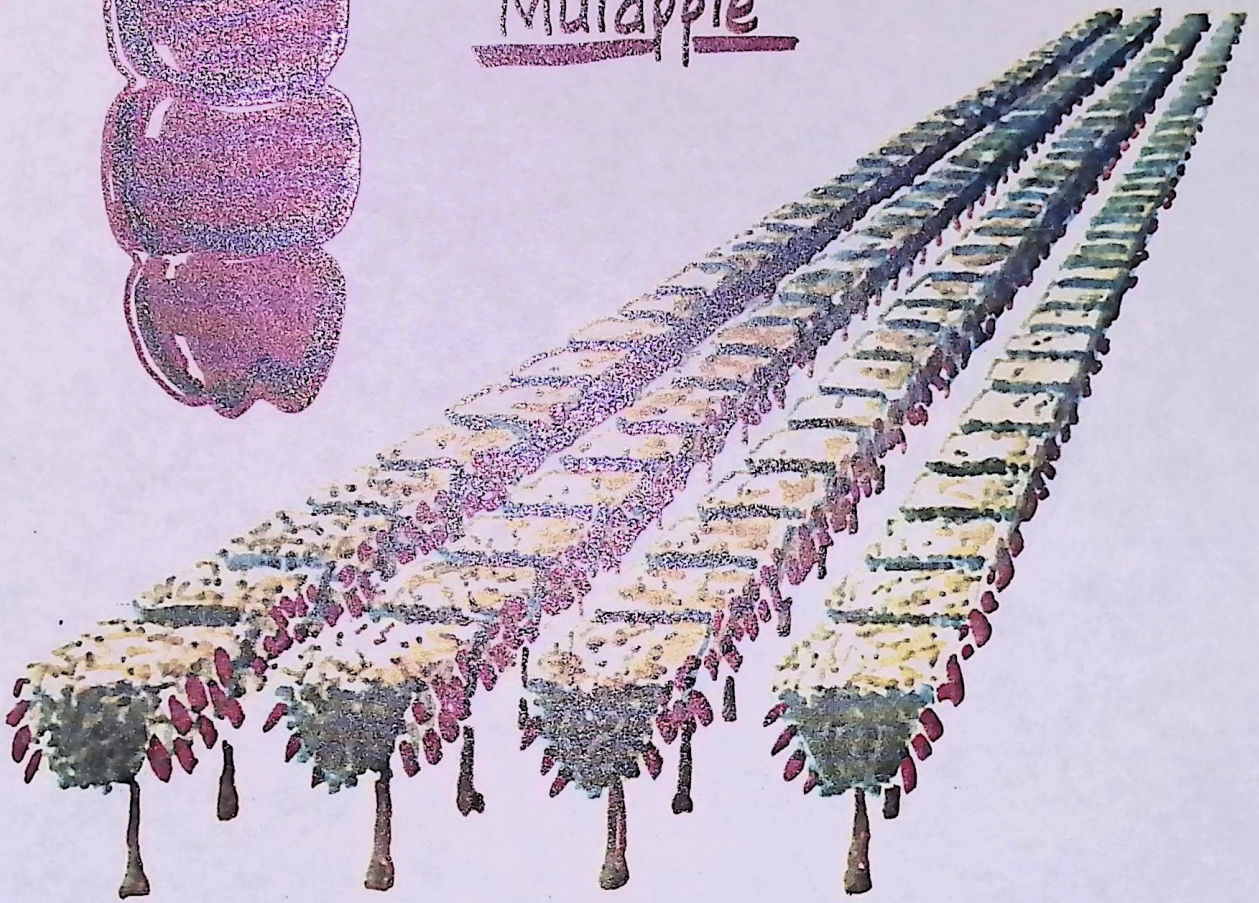

Flavor Grapes
Future Crop - Detail

Larange

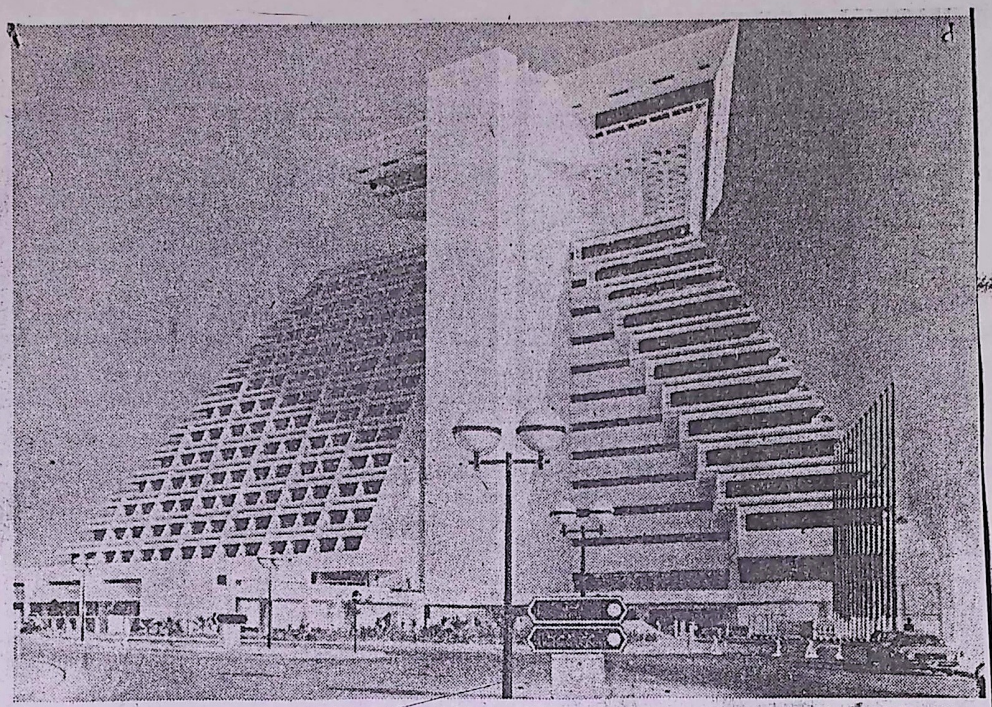


Future Crop - Detail

Mulapple



Future Crop - Detail



Visible beacon on the Arabian Gulf is the newly opened Doha Sheraton, designed for Qatar by William L. Pereira Associates. The $150-million, 430-room hotel is a dramatic pyramidal design.

Spectacular Hotel Opens in Doha, Qatar

The Doha Sheraton, a $150-million hotel and conference center designed by William Pereira Associates of Los Angeles, officially opened in Doha, Qatar, as a tribute to the Amir of Qatar on the 10th anniversary of his accession.

The 16-story white triangular tower, a visible beacon from the Arabian Gulf and throughout the 4,000-square-mile Middle Eastern country, will become the major focal point of social activity in Doha, Qatar's capital city and home to 80% of its population of approximately 240,000. It is located on 100 acres of newly created landfill and is being operated by Sheraton.

The region's strong winds and extreme heat have influenced the pyramidal design of the complex with its spacious interior areas and air flow criteria. Special design features include a 13-story atrium lobby to maximize climate control and to reflect cultural preferences for inward and intimate facing architecture. Facilities include a 650-seat auditorium with state-of-the art audiovisual equipment that provides for simultaneous translation of seven languages.

The hotel has special VIP suites with a VIP entrance and special security services. Five enclosed elevators provide dramatic views of the atrium space and special lighting clearly defines the floors and makes the space appear like a giant inverted chandelier.

In 1975, William L. Pereira Associates was asked to become the planning adviser to the office of the Amir of Qatar and the firm was authorized to prepare a planning management program and master plans for a new town, as an extension of the capital city of Doha, and for the industrial town of Umm Said. The New District of Doha has been selected to serve as a model for that country's urban development.

The Doha Sheraton complex is a focus of an urban waterfront promenade planned by the Pereira firm. The steel frame was ordered piece by piece from Japan to exact specifications and Japanese workers were brought in to erect it.

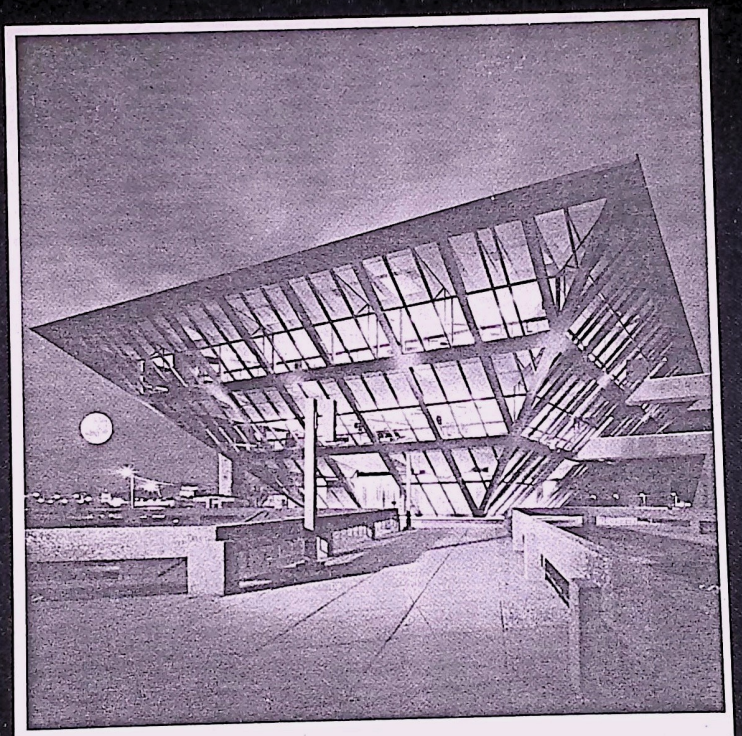
Because the general contractor for the project was Korean, and cabinetry was also imported from that country, many Korean carpenters and engineers were involved. Mechanical equipment arrived from the United States and Germany. Much of the furnishing came from England, and construction crews also arrived from India and Pakistan.

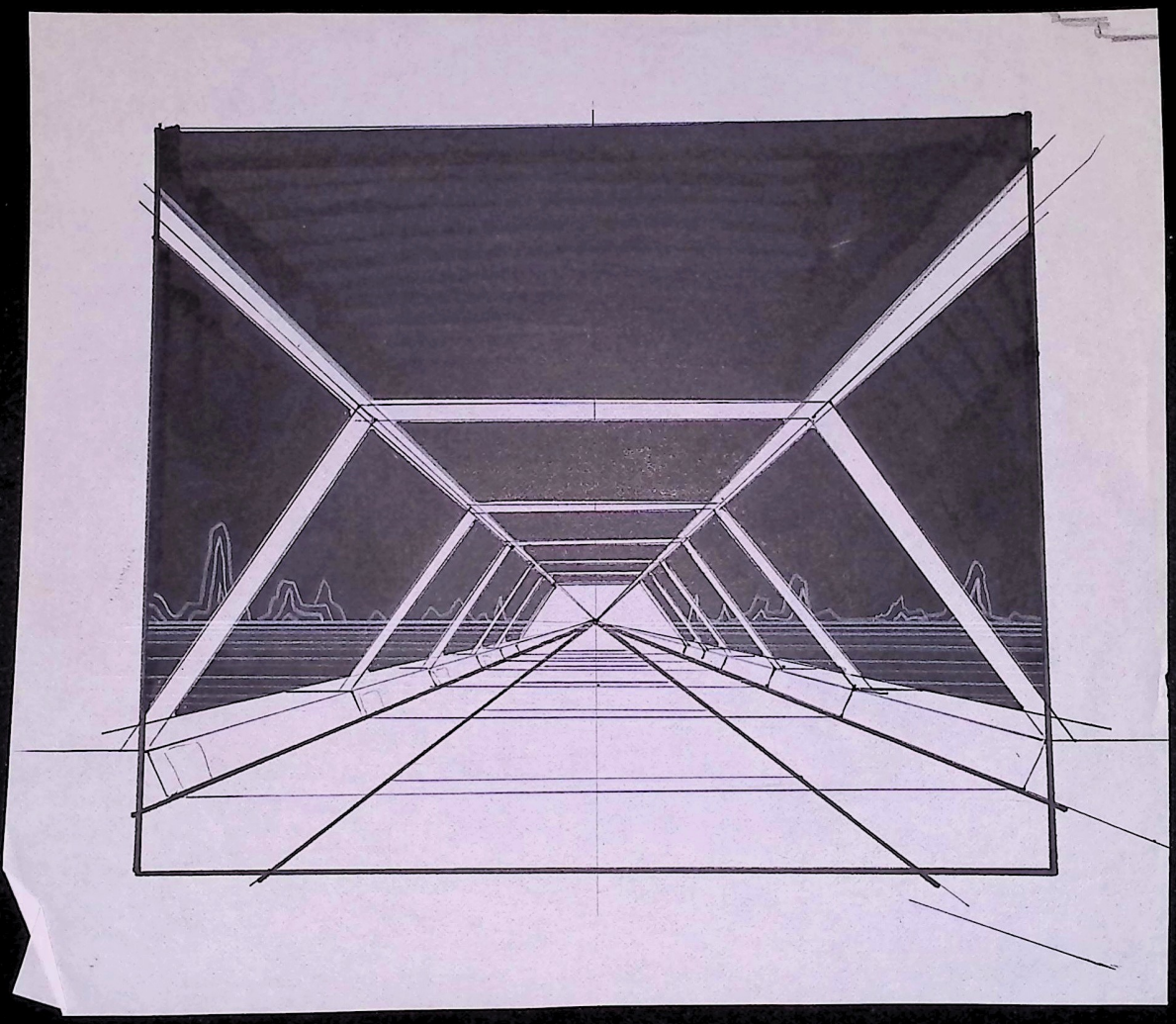
- [ ] DESERT HARVESTERS WILL BE HARVESTING LARANGE (LONG ORANGES)
  FLAVOR SAVER PINANA

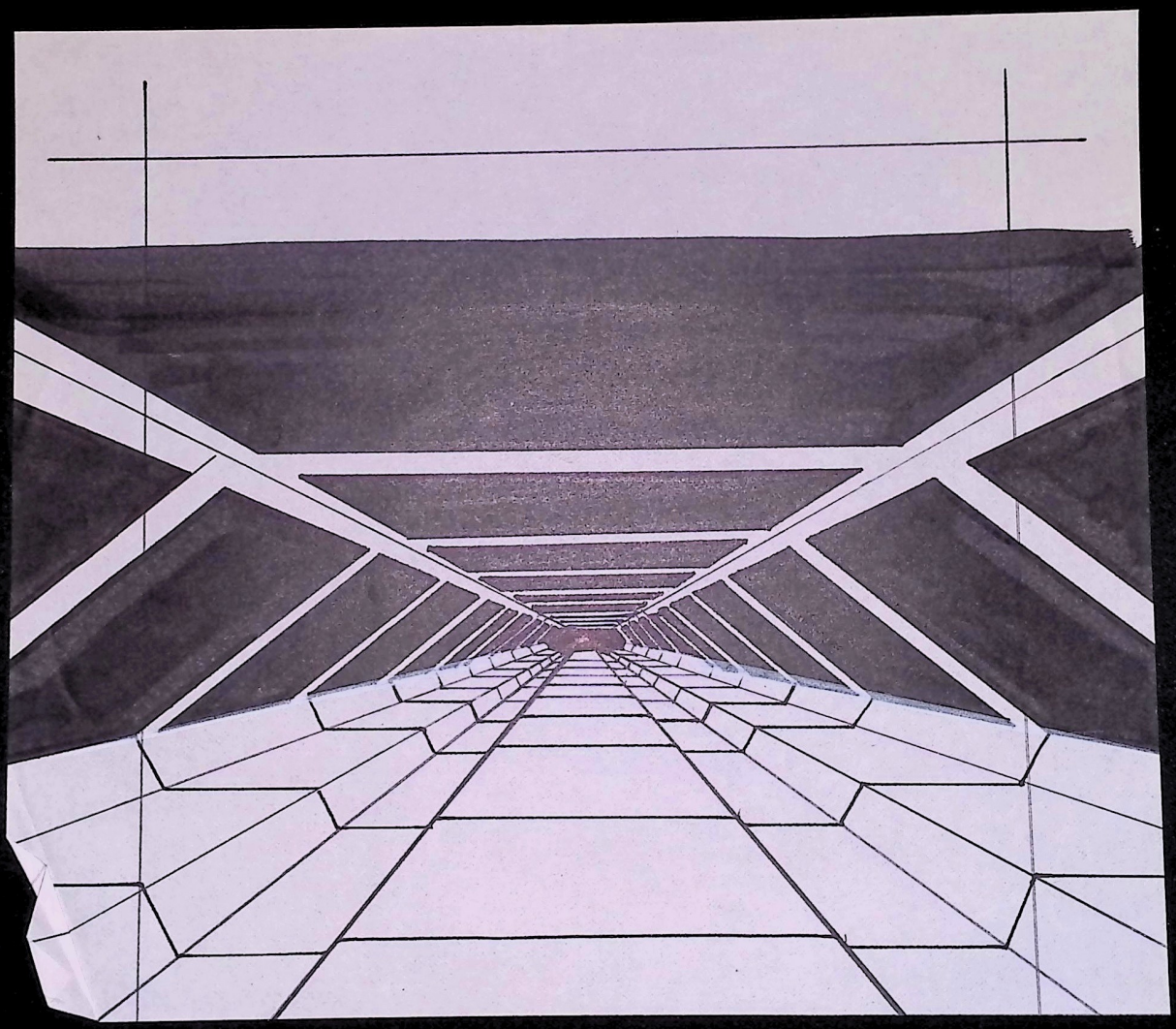
- [ ] HOUSE WILL HAVE MULAPPLE TREE

- [ ] THEY WILL HAVE A CONTRAST BETWEEN THE WEATHERED DESERT PLANTS AND THE MAN-GENETIC HARVESTED PLANTS.
  PINION TREES, YUKA, PEAR CACTUS, BARREL CACTUS,

- [ ] BE CAREFUL NOT TO HAVE THE GREEN IN THE SPACE COLONY TOO BRILLIANT, GIVE IT SOME GREYING OUT.







130 MPH 2.8 miles

40

130 MPH = 2.166 m/min.

31/60 = .516 min.

130 MPH = 1.12 mile/31 sec

Dave Jones

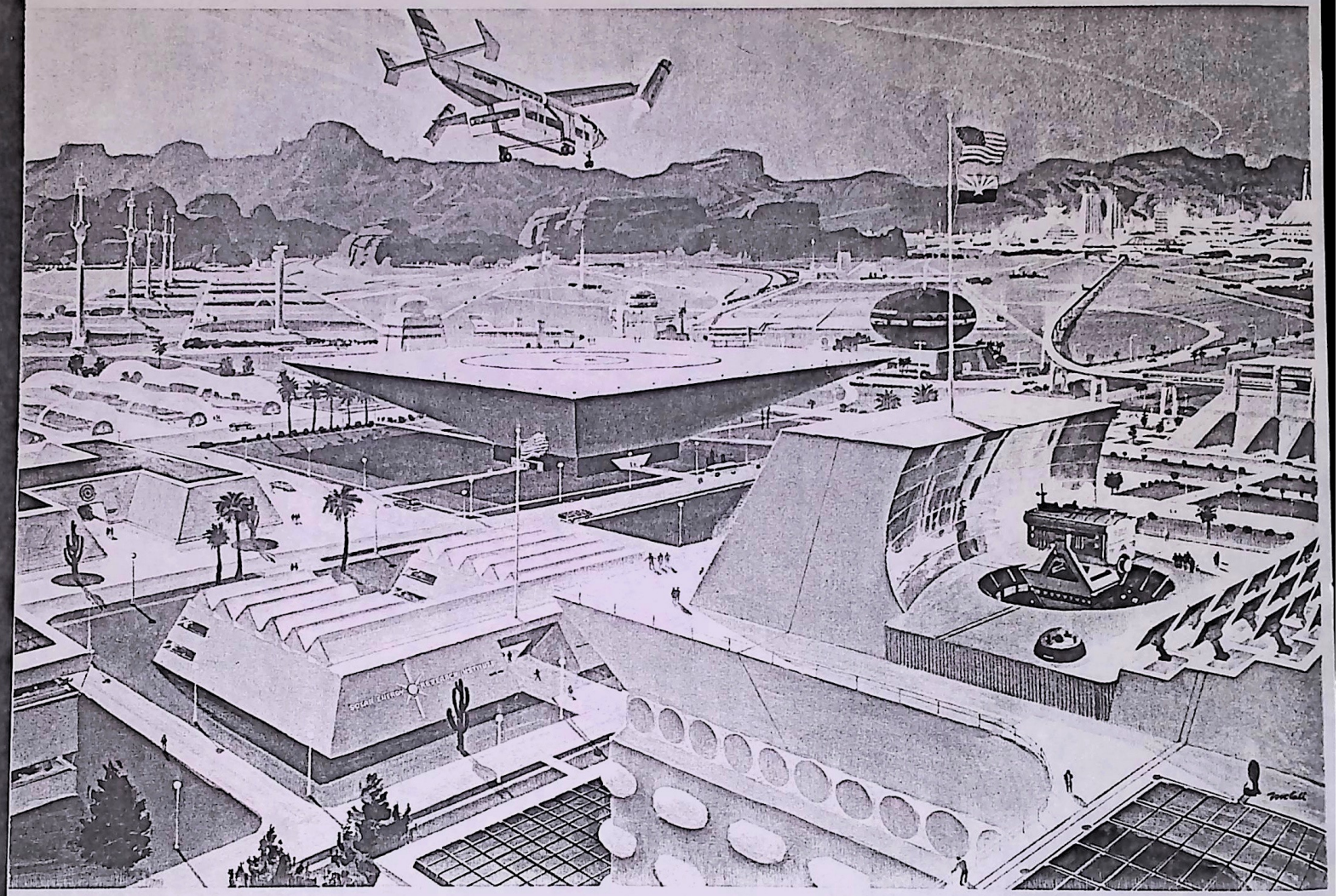
AT 130 MPH A VEHICLE WOULD COVER APPROX.

128.7 FEET = MILES IN 31 SECONDS.

250 MPH = 2.25 miles

247.5 FEET = 3½ mini's

Dave Jones



DESERT SEQUENCE

TAKE-OFF PAD

DESERT AGRO-STATION

FLOATING HARVEST UNITS - MIN. 3 & BASES

HILLSIDE DWELLINGS

SMALL WORKER CRAFT

ONE MAN HOVER CRAFT

FLOATING SOLAR PANELS

DESERT TERRAIN

DESERT HILLS & ROCK FORMATIONS

- CACTUS - ASSORTED (2 SCALES)
- SAGE BRUSH (2 SCALES)
- AGRO-CROPS

LARGE SOLAR LAKE ARRAY

1/4 = 1/48 1/16 = 1/200TH

1/8 = 1/100

DESERT SEQUENCE MINIATURES

- ☐ 30 x 70 TABLE TOP PLATFORM 1/8" = 1-0 TO
- ☐ MINIATURE LANDSCAPE - TERRAIN 1/4" = 1-0
- ☐ LARGE SCALE DESERT HOME & AGRO STATION 1" = 1-0
- ☐ INTERMEDIATE DESERT HOMES 1/4" = 1-0
- ☐ SMALL SCALE DESERT HOMES - MOSTLY ON HILLS-CLIFFS 1/8 POSSIBLY SMALLER
- ☐ DESERT PLANTLIFE - 70 APPROX SCALE
  - ☐ VARIOUS CACTUS
  - ☐ DOMESTIC & DESERT TREES
  - ☐ VARIOS BUSHES & TUMBLE WEEDS
- ☐ AGRO-CROPS - VARIOUS SCALES - SOME TREE LIKE SOME BUSH HEIGHT
  - ☐ CLOSE-UP (FLY BY) 1/4" SOME GROUND HUGING
  - ☐ INTERMEDIATE 1/8
  - ☐ DISTANT
- ☐ AIR-BORN HARVESTING EQUIPMENT -VARIOUS SCALES
  - ☐ CLOSE-UP (FLY-BY) 1/4" ?
  - ☐ INTERMEDIATE
  - ☐ DISTANT
- ☐ PERSONAL VTOL SCOOTERS - VARIOUS TYPES
  - ☐ CLOSE-UP - 18 INCH LONG OR 1/4 SCALE
  - ☐ DISTANT
- ☐ FLOATING SOLAR PANEL / SUN SCREEN -
  - ☐ ONE SCALE - FOR DISTANCE - SCREEN PROCESS.

DESERT SEQUENCE MINIATURES (CONT.)

- ☐ FUTURE CITY BUILDINGS - VARIOUS -
  - ☐ CLOSE-UP (FLY-BY)
  - ☐ INTERMEDIATE
  - ☐ DISTANT
  - ☐ LARGE SCALE - WITH LANDING PORT

- ☐ FUTURE CITY "FILLERS"
  - ☐ PARKWAYS
  - ☐ LOW-LYING BUILDINGS
  - ☐ HIGHWAYS?

- ☐ FLYING VEHICLES - ASSORTED
  - ☐ ROBOT AGRO UNITS
  - ☐ AIR BUSES
  - ☐ HIGH FLYING SPECS.

- ☐ HORIZON PSYCH
- ☐ SKY PSYCH. - W/ MOVING CLOUDS?

DESERT SEQUENCE MINIATURES

SCALE: POSSIBILITY OF MIXED SCALE EXISTS. RE. FOR CLOSE UP DESERT STATION HOUSE WE COULD GO TO 1"= 1'-0" FOR DETAIL. AS WE LIFT OFF AND IN SECTIONS WHERE WE HAVE SOME ALTITUDE I CAN USE PROGRESSIVELY SMALLER SCALE - IF ITS APPEARANCE IN THE DISTANCE PERMITS. HARVESTERS AND SOLAR-PANELS-IN-THE-SKY CAN BE MUCH SMALLER SCALE - EXCEPT WHERE THE HARVESTERS ARE IN CLOSE PROXIMITY TO THE TREES AND CROPS.

MINIATURES NEEDED

NOTE: THIS LIST REPRESENTS POSSIBLE STORY ELEMENTS REFLECTED IN DISCUSSIONS WITH GEORGE McGINNIS AND TOM J. FITZGERALD. IT IS NOT A FINAL LIST BY ANY MEANS BUT WILL BE USEFULLY IN PROJECTING TIME AND MANPOWER NEEDED FOR EACH SEQUENCE.

— DESERT SEQUENCE —

MINIATURES (CONT.)

☐ BASIC TERRAIN LAYOUT MINIATURE. - BASED ON A PROJECTED 30' x 70' SECTIONABLE SHOOTING PLATFORM ~~THIS~~ THAT WILL INCORPORATE ACCESS PANELS FOR ~~EACH IN~~ ACCESS TO ACCESSING BUILDINGS, LIGHTS, GAGS, ETC.. IT SHOULD BE RAISED APPROX 4 FEET (3 MIN.) ABOVE THE FLOOR FOR CRAWL SPACE AND CABLE INSTALATION.

THIS PLATFORM WILL LOCATE ALL BUILDINGS, PLANTS, CROPS, ETC.

IT SHOULD BE ~~BASED ON~~ COMPOSED OF SELF SUPPORTED "TABLES" (4'x8' ?) THAT COULD BE REARRAINGED FOR CHANGING THE TERRAIN IN THE EVENT THAT MORE THAN ONE 30 x 70 MINIATURE WILL BE REQUIRED (HIGHLY LIKELY) FOR THIS SEQUENCE.

THE SIZE OF THE LAYOUT IS BASED ON SIZE LIMITATIONS OF AVAILABLE SHOOTING EQUIPMENT* AND SCALE DEMANDS FOR FILM RESOLUTION. IT MAY BE PRACTICLE IN SOME CASES, TO BUILD A LONGER MINIATURE LAY-OUT, AND "BUCKET BRIGADE" TRACK SEGMENTS, PERHAPS UP TO A 140 FOOT LONG MINIATURE.

NOTE: IF WE SIMULATE 130 MPH WE WOULD COVER 128.7 FEET OF 1/48 MINIATURE TERRAIN - IF WE GO 250MPH IF BE 247.5 FEET (3½ MINIS)

* SEE PROPOSED SHOOTING LAYOUT

MINIATURES (CONT.)

☐ LARGE SCALE DESERT HOME & AGRO STATION.

APPEARES AT TAKE OFF. IT IS VERY CLOSE AND AT THIS POINT THE CAMERA WILL BE MOVING VERY SLOWLY. THEREFORE IT SHOULD BE AS LARGE A SCALE AS PRACTICLE. POSSIBLY 1" = 1'-0". THIS WILL GIVE US A GOOD SIZE FOR DETAILING AND MINIMIZE THE EFFECTS OF SPECULAR HIGHLIGHTS AND PAINT TEXTURE.

IT MAY INCORPORATE AN R.P. (REAR-PROJECTION) SET-UP SO THAT A PERSON CAN BE SEEN MOVING INSIDE. THIS WOULD TIE IN WITH IMMEDIATE SCALE RECOGNITION & RELATE IT TO THE RUDE SET OF THE DESERT. (SEEN EARLIER)

☐ INTERMEDIATE SCALE DESERT HOMES

PERHAPS 1/4" = 1-0 SCALE FOR MOST OF THE FLY-BY SEQUENCE. THESE WOULD BE CLOSTERED ON HILL SIDES AND CLIFFS. WE WOULD USE ABOUT 40 OF THESE UNITS WITH CONNECTING TUBES

MINIATURES (CONT.)

☐ SMALL SCALE DESERT HOMES - 1/8" = 1-0 OR SMALLER
FOR DISTANT HILLS - NUMBER TO BE DETERMINED

☐ VARIOUS DESERT PLANTLIFE - SCALE DETERMINED BY LOCATION
IT APPEARS THAT MOST OF THESE WILL HAVE TO BE MANUFACTURED - ESPECIALLY THE CACTUS - THE TUMBLEWEEDS AND BUSHES WOULD BE FROM EXISTING FOAM & RR KITS. MATERIALS. THE TREES MIGHT POSSIBLY BE BOUGHT OUT OR COULD BE MADE. THE CACTUS MIGHT BE MOLDED IN A FEW BASIC CONFIGURATIONS.

☐ AGRO CROPS - SCALE DETERMINED BY LOCATION
FOR THE REAL CLOSE-UP TREE CROPS THAT WE FLY "THROUGH" WE WILL TRY TO GET UP TO

MARCH 1 82

SUPPORT PROGRAMING FOR DESERT MINI SCENE.

FLOATING SOLAR SCREENS (2) — COULD THESE BE SHOT ON THE SET? ON WIRES MAY HAVE TO BE SEPERATE PASS AS THEY GO OUT OF TOP OF FRAME.

FLOATING 'LIGHTER THAN AIR' HARVESTING UNITS (3)

3 DAYS SMALL FLYING VEHICHLE - (WE DODGE IT) (1)

SKY BACKGROUND & OVERHEAD ELEMENT

SCENIC HORIZON MOVE ELEMENT

LANDING DOCK APPROACH ELEMENT.

REAR PROJECTION PEOPLE ELEMENT IN DESERT HOUSE

IS THERE R.P. IN LANDING AREA.

CASTING CACTUS

20 min.

½" MOLDS:

1 – LG. (½" SCALE) SAGUARO, 3

1 – SM. SAGUARO, 8

1 – SAGUARO ARMS – 15

1 – TREE BASES – ¼" SCALE, 1, 2, 4" 8½"

16oz MAKES – 1 SET OF LG. SAGUARO + 1 SET SM. SAGUARO
OR: 1 SET ARMS + ALL 3 TREE BASE MOLDS

SAGUARO NEED – 70 LG (22½ SETS)
50 ARMS (3½ SETS)
63 SMALL (8 SETS)
} 385 OZ A+B MIX OR 3 GALLONS A+B MIX (1.5 A, 1.5 B)

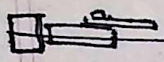
AS MANY TREE BASES AS CAN BE MADE BEFORE 3 MOLDS DETERIORATE (EST. 15 SETS) –
NEED: 40 MOLD SETS (1 SET = 1 OF EACH OF 3 MOLDS)

1194 SQ FT

Big Cactus - 9,000
Lg. Bushes - 9,000
Sm. Scrub - 13,000
Ocotillo - 3,500
CREPE HAIR - 3,500 inches - 298 ft.
74 sacks of static grass

Steel Wool - 30 lg. bush per tube - 300 TUBES
150 EA - GRAIN
~~Sm. bushes 300 TUBE~~
600 TUBES OF STEAL WOOL
~~300~~ 100 LB. bag - LIFE-LIKE ALL PURP EARTH
30 bags of shredded foam (popourri of types)

2 HRS



5-10 min. to clean & pour — 15 min- to set

½" SCALE SAGUARO - 10-12" HIGH — 3 DIFF. SAGUARO / MOLD

½" SCALE SAGUARO-ARMS — 15 DIFF / MOLD

½" SCALE BABY SAGUARO — 8 DIFF / MOLD.

WE STILL NEED ¼" SCALE PATTERNS MADE FOR SAGUARO. AND 1" SCALE ALSO BARREL CACTUS

¼" SCALE TREEBASE — 1 MOLD 24"
2 " 8½"

MOON RESEARCH

DESERT MINI TERRAIN

AS OF NOV 2. 82 -

EXISTING SET CONFIGURATION

LENGTH OF SETS — 1ST SET 66.5
2ND SET 60.0

FLIGHT PATHS — 1ST SET 84 FT
2ND SET 54 FT

AVERAGE CONSTANT SPEED

☆ PROPOSED CHANGES

LENGTH OF TOTAL — 86 FEET
PLUS FORCED B.G. @ 20 FT
103 FEET

FLIGHT PATH
= .936 MILES IN 29 SEC. MOVE

LOOK!

- ☐ AVERAGE SPEED - CONSTANT VELO. 116.2 MPH
- ☐ IF 22 FT OF CROPS @ 100 MPH = 7.2 IN CROPS
  AND REMAINING SPD 121.6 MPH
- ☐ 103 TOTAL 8 FT. 1 IN/1 FT & TRANSITIONS

SEE HARVESTERS FOR 10 SECONDS

2 SEC. EXPO. = 960 SECONDS STAGE TIME

R.M → 4½ REV/SEC. ON STEPPER? USING SIGMA 4" W/ SHORT

4½ REV/SEC. = 1 INCH MOVE

IF 200 OC/IN. MOTOR 1 SEC = 1 INCH

960 SEC = 960 INCH MOVE

960 SEC. = 80 FT

15 TO 30 FEET
20 FOOT

¼ INCH = 1 FOOT

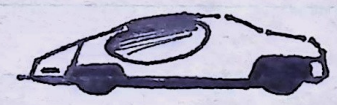
20 FEET × 48 = 960 FEET IN SCALE

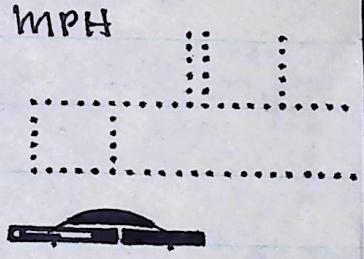
10 SEC = 960 FT

~~60~~
~~3,000~~ =

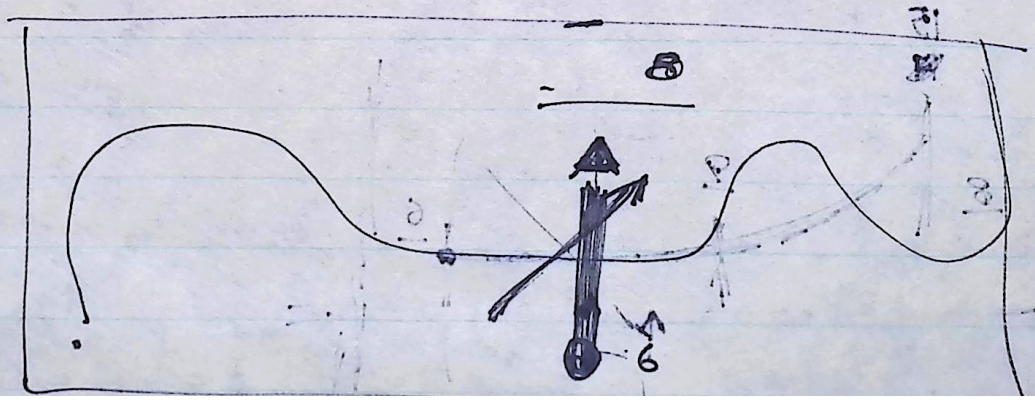
1 MIN = 1.09 MILE

1 HR = 65.45 MPH





32
14
18 FOOT



DESERT SEQUENCE

I NEED - DESERT HOME DESIGN
- SKETCH
- DIMENSIONS

- SOLAR FURNACE FINAL DESIGN
- SKETCH
- SIZE

- GENERAL DESIGN OF GANTRY?

DESERT CASTINGS IN EXTANT MOLDS

—

1/2" CACTI

MAKE- 67 LG. CACTI (22 1/2 SETS)
50 ARMS (3 1/2 SETS)
63 SMALL CACTI (8 SETS)

SET = 1 MOLD POUR (3 LG CACTI, 15 ARMS, 8 SM. CACTI)

WILL USE 385 oz A+B MIX
OR 3 GALS. A+B MIX

1/4" TREE BASES

MAKE- 36 SETS (SET- 12 TREE, 4 TREE x 2)*
40 SETS JUST FOR CUSION

10 oz SHOT FOR ALL 3* AT ONCE.

3 GALLONS A+B MIX

SCULPTING WIRE, 500 INCHES

1 CAN OF SILICONE SPRAY.

VIEW OUT OF DESERT KITCHEN

11-25-80