

OUR HEAVENLY COMMUNITY!

--The "Apartment" Continued!

--The Story of Heaven's Children!

chap

10

D.O.

WOW!--She sure is Posting & winning Souls!

She sure is!--God bliss & keep her!

Amen!

See how much
God Loves you!

AL GASTMAN

1. WELL, HERE'S GRANDFATHER AGAIN, STILL UP IN HEAVEN, WORKING AS USUAL on my lounge couch where I do most of my paperwork, as I still have lots of it to do, as you can see! Dear Phoebe & India Joy are hovering around softly & quietly, trying not to disturb me as they go in & out to check on me & make sure that everything is all right. Abner is outside overseeing the house & security & the staff.

2. THE MAJOR SECURITY HERE OF COURSE IS TO MAKE SURE I'M NOT DISTURBED or interrupted while I'm talking to you on our Heavenly communicator & sending this message down to you folks still on Earth for your encouragement & inspiration.

3. I'VE BEEN WORKING ON THE PLANS FOR OUR APARTMENT BLOCK OR APARTMENT HOUSE, or whatever you want to call it.--At least our section of Heavenly mansions Up Here. And I've come up with some amazing details & statistics on how to house our huge Family & our millions of converts in one small area of the Heavenly City!--About 10 million of us all together! And in trying to figure this out, I really launched into a major project, which is really developing into something fascinating!

4. YOU KNOW, WHILE I WAS YET ON EARTH I WAS TRYING TO FIGURE OUT HOW MANY PEOPLE THE HEAVENLY CITY COULD HOUSE ALTOGETHER, according to the room & the space, the number of mansions, averaging about 20 people to the mansion. That is what started us on the Posters, because I was drawing sketches & diagrams of the mansion itself & how it was placed on the inside walls of the City. It's exactly the way Buckminster Fuller, the World-famed Geodesic Dome Architect, had planned his Heavenly City! At that time I came up with some amazing stats & conceptions of the Heavenly City & its Heavenly Mansions, which started the whole Poster

series rolling!

5. NOW I'M FINDING OUT SOME VERY FASCINATING FACTS REGARDING THE SIZE & SPACE & numbers & distances & heights & groups & population, etc. here in our Heavenly Fair corner of the Heavenly City! It has again inspired me to draw sketches & diagrams in proportion to the actual sizes & numbers & locations of our group of mansions of our Family Community here in the Heavenly City.

6. SO, SINCE I FIRST GOT THE REVELATION ABOUT HEAVENLY COMMUNITIES IN HEAVEN & therefore the idea of the Apartment House (see "Heaven's Children" Chapter 9), I've been thinking & meditating & musing & amusing on just how many mansions it would take to house those 10 million people, & what would be the best location & placement & arrangement of those mansions in order to keep us all together.--And I've really come up with some amazing facts! Thank the Lord! I'm sure He's leading & guiding & inspiring me about it!

7. HE'S THE ONE WHO CAME UP HERE TO PREPARE A PLACE FOR US IN THE FIRST PLACE, when He told us that in His Father's house are many mansions.--And you have no idea how many there are! It is just almost absolutely beyond our comprehension! But on the other hand, you'll also be amazed at how little space 10 million people need in this Fair corner of Heaven, our little corner which I have asked the Lord for, as you know, before. (John 14:2)

8. THERE ARE ABOUT 10,000 OF US REALLY IN THE FAMILY, plus a lot of Family friends & supporters & kings & queens & fish, etc., plus going on toward 10 million converts now, & there'll surely be that many by the time the Lord comes. So I took that figure of about 10 million altogether of the Family & friends & converts as my starting point. Then I figured, "Now let's see, how many

mansions would it take to house 10 million people, with an average of about 20 to the mansion, including children & helpers, etc.?"

9. AND I WAS AMAZED TO DISCOVER THAT WE COULD WORK IT OUT TO ONLY ABOUT HALF-A-MILLION MANSIONS TO HOUSE 10 MILLION PEOPLE at about 20 to the mansion! How about that? So then I wondered how much space those half-a-million mansions would take, & it's really amazing when you figure it out mathematically!

10. I USED AS AN AVERAGE CRITERION THE SIZE & SPACE OF MY HEAVENLY MANSION that I originally drew, which was on a 100-foot-square lot & four stories high, surrounded by its beautiful gardens! The first floor is occupied by the living room, dining room & kitchen. The second floor is three master bedrooms, the third floor staff bedrooms, & three children bedrooms on the fourth floor.

11. FIGURING EACH FLOOR ABOUT 10 FEET HIGH, THAT MAKES OUR MANSION ABOUT 40 FEET HIGH, & then giving it about 10 feet of airspace above, below the next tier of homes above us, that makes each tier about 50 feet high. In other words, about a 50 foot space between the lower tier & an upper tier, & that space would be about 100-feet square, about 33 meters wide & long. Then we have an exact measurement to build on to figure out how many mansions we'll need & how much space they will occupy.

12. AS YOU KNOW, THE INSIDE OF THE CITY IS WHERE THESE MANSIONS ARE LOCATED, but not just on the floor of the City or in towering apartment buildings such as they have back on Earth, all of which are someday going to fall! The mansions of the Heavenly City literally climb the interior walls in decks or tiers, or like shelves attached to the inside wall of the City.--Shelf after shelf after shelf, tier after tier after tier!--That's "tier", by the way, no "tears", t-e-a-r-s up in Heaven, only tiers of houses, t-i-e-r-s! (Rev.7:17b)

13. --AND THEY LITERALLY GO SKY-HIGH! They begin down about a half-a-mile from the garden floor of this beautiful City, or at about 2500 or 2600 feet, which is a little higher than that beautiful "Crystal Building" which is about 1,000 feet tall, as high as the Empire State Building! Since the mansions line the inside walls, with only neighbours to their right & left & no neighbours behind or in front of them, they have a beautiful unobstructed outside view & an inside view. The outside view is of the beautiful Heavens without, & someday it will be the New Earth, & an inside view of the beautiful gardens of Heaven itself, including our wonderful Heavenly Fair!

14. IN OTHER WORDS, EACH MANSION ONLY HAS APARTMENTS OR MANSIONS ON EITHER SIDE OF THEM & NOT IN FRONT OR BEHIND THEM. They have a clear view of everything to be seen from their lovely terraces! I'm hoping our artists will be able to draw you some conceptions of this mathematical plan, worked out in actual detail & proportion to give you a little picture of what they look like in this arrangement.

15. I'LL JUST TRY TO GIVE YOU A LITTLE IDEA of these shelves lining the inside walls of the City for miles & miles & miles, each shelf a different level as these mansions literally climb the walls of this beautiful, beautiful City! They are arranged in rows along the sides on these various levels. So taking each mansion to occupy that 100-foot-square, 50-foot-high block of space on the shelves, I'm trying to figure out how much space on those shelves or tiers a half-million mansions would occupy in this corner of the City. And I've come up with the following remarkable data!

16. FIRST OF ALL, I HAD TO DECIDE ON EXACTLY WHERE WE WOULD LIKE TO BE LOCATED.--Which mansions would I like for the Lord to reserve for us & our Family, friends & converts? And it came to me, where else but here in our corner of the Heavenly City Fair

that we conceived some time ago for the education of our folks & our children, if not the entire population!

17. **WHY SHOULDN'T OUR MANSIONS BE RIGHT HERE IN THE VICINITY OF THIS BEAUTIFUL HEAVENLY FAIR!**--In fact, hovering over it! Since this Fair is in this corner of the City, in figuring out the shape of our apartment block of mansions, I took as my starting point the very corner directly above the Fair, where you can see in one of our pictures of the Heavenly City my own mansion right at the very corner of the City above the Fair! It has a gorgeous view in all directions!

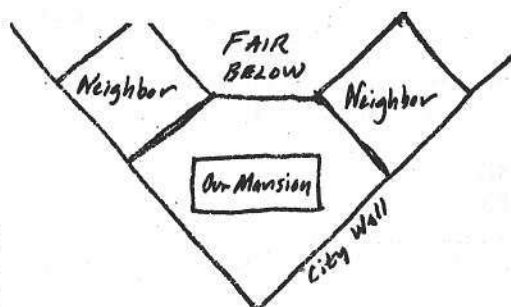
18. **CORNER APARTMENTS & CORNER HOMES ARE ALWAYS CONSIDERED THE MOST DESIRABLE** because of the double view, only mine has a triple view! You can see out into Heavenly spaces on the right & Heavenly spaces on the left of the City & then down on my beautiful Fair inside below! So beginning with my own apartment or mansion, the idea sort of grew from there.

19. **BY THE WAY, DID YOU KNOW THAT THERE IS ANOTHER TRANSLATION OF THE GREEK WORD USED IN THE NEW TESTAMENT FOR "MANSION"? AN ALTERNATE TRANSLATION IS "APARTMENT",** believe it or not! Well, as you can see, these are some apartments! Actually each one is a large mansion about 40 feet wide, 70 feet long & 4 floors or 40 feet high, surrounded by a 100-foot square of gardens & a 50-foot-high airspace, open on both sides to the two neighbours.

20. **IT'S ALSO OPEN AT THE REAR ONTO THE INTERIOR OF THE BEAUTIFUL HEAVENLY CITY WITH A VIEW OF THE FAIR & THE CITY'S HEAVENLY GARDENS!** But it's closed on the sides towards the outside by the crystal golden wall of the City itself. This is for our own protection from any possible interference or attacks of the enemies in the Spirit World or out here in space. It is furthermore surrounded by the beautiful blue ball of the Crystal Sea, which surrounds the entire City

itself--a powerful force-field to prevent any unauthorised access to this gorgeous City of God by any unwanted creatures, spirits, satellites or creations of man or the Devil! So we're very well protected here, both by the beautiful blue force-field sphere & the walls of the City itself. (Rev.4:6a)

21. **SO AS YOU CAN SEE, SINCE WE'RE IN A CORNER, WE HAVE ON TWO SIDES OF OUR MANSION THE TWO WALLS OF THE CITY,** on the other side, the open-side view of the City itself & its interior & our Fair & its gardens, & on either of the other two sides our two neighbours.--Actually five sides!--Here, I'll have to draw you a sketch to see what I mean:



--As you can see, we have an unusually big pentagon-shaped lot in the corner, about twice the size of the other normal square lots, since we always need lots of room & privacy!

22. **BUT THE AMAZING THING I DID NOT REALISE,** being that our mansion is right here in the very corner of the City so that we have the beginning of the sides of the City on each side of us--the two sides of the City--therefore our two neighbours are a little behind us on either side in a V-shape. And as I began to think of what would be the best location for the rest of our Family neighbours & friends & converts, it occurred to me that since our leadership mansions were to be right here in this corner & above all the rest of them, that of course, the ideal logical plan for the shape

of our entire group of mansions is a "V", with our house at the apex of the V & the other Homes running off to the right & to the left along both sides of the City in a V-shape!

23. **SO THEN I BEGAN FIGURING ON HOW MUCH SPACE THIS WOULD TAKE** in this corner of the City for these half-million mansions to house 10 million people, & how far out the walls of the City they would run & how high up the walls of the City they would go. Figuring that we would certainly not want to be too close to the Fair or interfering with it, we would begin with the first row or tier of mansions about half-a-mile or 2500 to 2600 feet off the City floor. This would make our first row a few hundred feet above the top of the Crystal Building, or the first & lowest floor of this huge apartment building about half-a-mile up from the ground!

24. **BUT HOW HIGH WOULD THEY RUN, & HOW MANY TIERS WOULD IT TAKE,** & how far would each arm or wing of this group of mansions extend out each wall of the City? So I simply took my little calculator & figured out the square root of half-a-million mansions & I was nearly dumbfounded when I found that it came out to a beautiful Heavenly number of, believe it or not, 707 mansions wide & 707 mansions high!--Thank of that!

25. **FIGURE IT FOR YOURSELF, IF YOU DON'T BELIEVE IT! A BEAUTIFUL, SCRIPTURAL NUMBER RELATED TO THE LORD, GOD'S OWN PERFECT NUMBER 7!** In other words, this apartment block will have to be 707 mansions wide & 707 mansions high! Then furthermore, when I figured out just how far that would be, each mansion's lot taking a 100-foot-wide space, I found that would be about 7 miles in each direction from the corner & 7 miles high! So what could be more Godly & Scriptural in number than that! It was just like a confirmation of the whole idea!

26. **YES SIR, THIS V-SHAPED APARTMENT OR**

BLOCK OR MANSION GROUP WILL HAVE 707 FLOORS WITH 707 MANSIONS ON EACH FLOOR, with each floor extending out with its two wings 7 miles in each direction, with about 353 mansions in each wing on each floor, plus each corner one, making a total of 707 mansions per Floor on 707 Floors! I guess that 7th one is right in the corner, to give an equal number of 353 on each wing of each floor! So that each wing of the V-shaped apartment block is about 7 miles long, & the entire block itself is about 7 miles high!

27. **YOU SAY THAT SOUNDS PRETTY BIG & COLOSSAL,** but when you think of the size of the City--1500 miles wide & 1500 miles high --it's almost nothing! It's a mere speck in one little corner, & yet enough to hold all of our 10 million people right above the Fair! Hallelujah! Thank You Jesus!--Where it's easy to get at & of easy access.--And since we don't need any elevators we can just fly around! We can jump off our terrace & sail down to the Fair, or leap from its floor & fly back up to our apartment or mansion. (Rev.21:16)

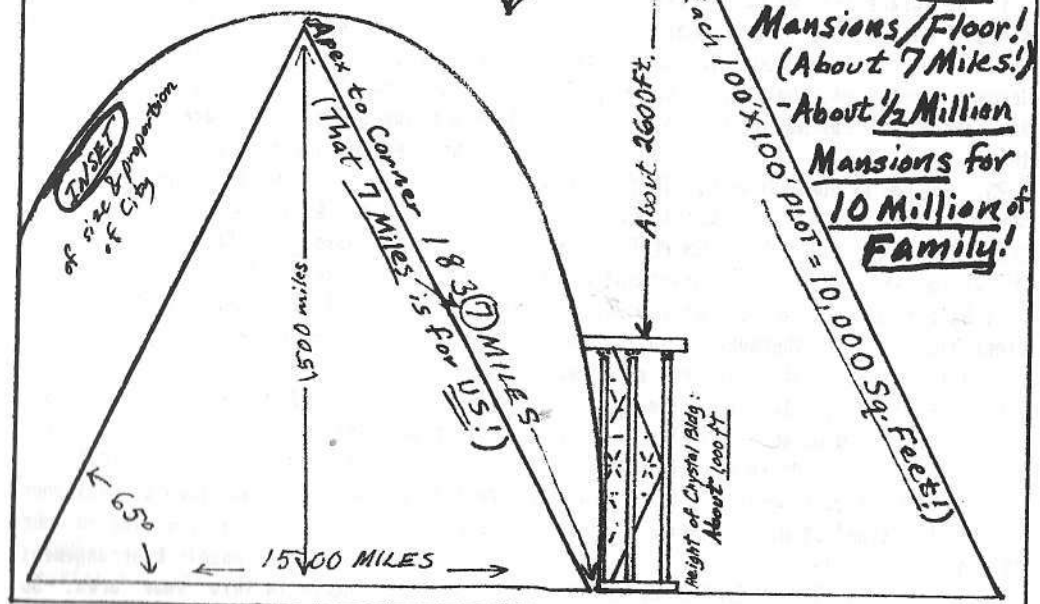
28. **AND IT'S ONLY LOGICAL & REASONABLE THAT SINCE THE FAIR WAS OUR IDEA, WE SHOULD BE THE ONES TO STAFF IT & OPERATE IT & oversee it,** having been taught by the Lord & His angels how it works. And of course they & His Heavenly Saints who are already here are the ones who are now having to oversee, staff & operate it until you get here.--My daughter Faith & son Ho will love that, since they always loved Fairs & helped run the Religion Center at the 1964-65 New York World's Fair all by themselves at the young ages of 14 & 16!--Ha!--With only a little help from me, Grandpa! (2Tim.2:2)

29. **SO--YOU GOT IT? THAT'S THE WAY I SEE IT & that's the way** our artists are trying to picture it for you on our communicator so you can get a pretty good idea of what your Heavenly Home is going to look like in our Fair Corner & the relationship & arrangement of our other Homes in this same area. So

ENLARGED
SIDE VIEW
of Details

-OUR FAMILY CORNER!
-How many did you win!?

About 1/2 Mile from here to the ground

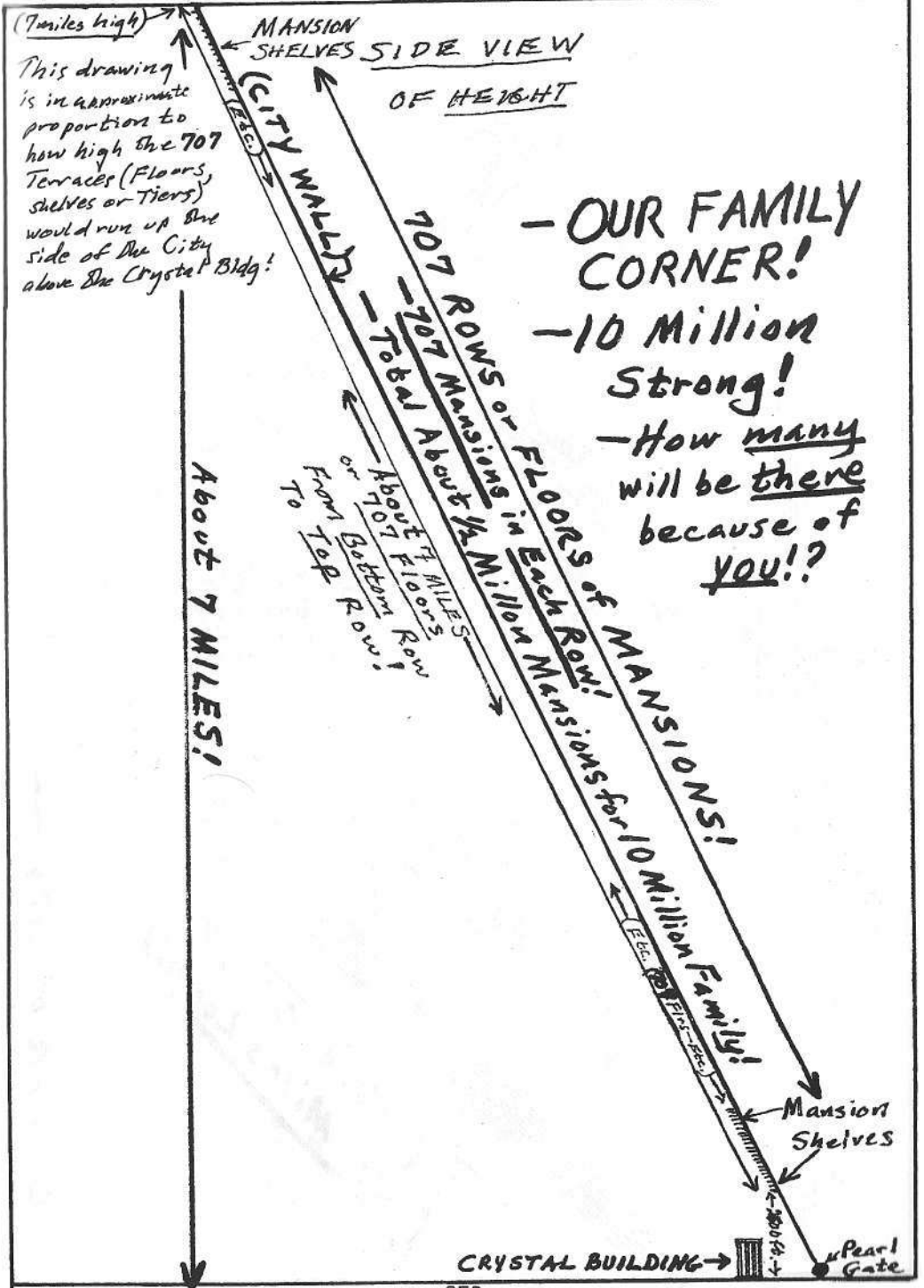


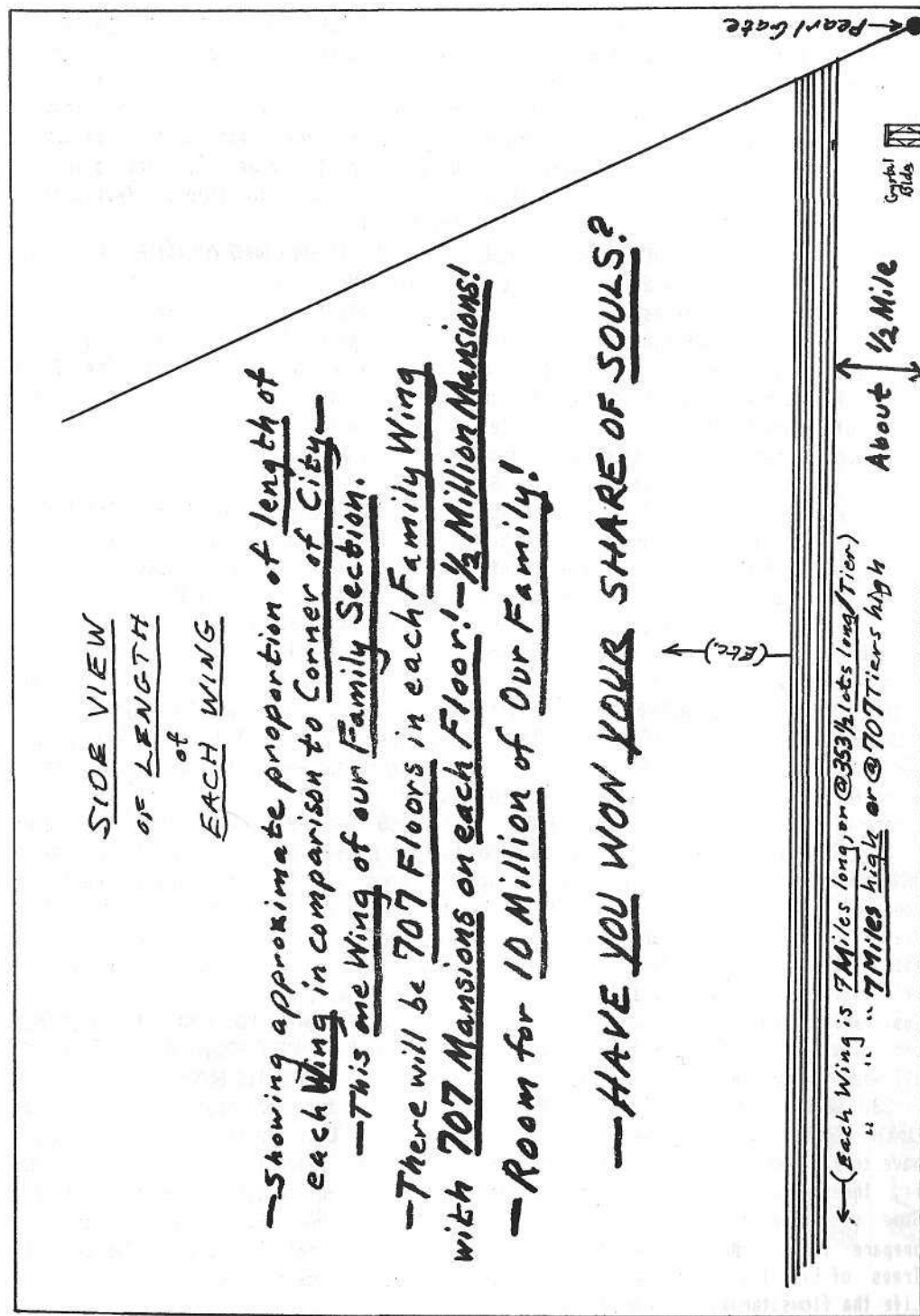
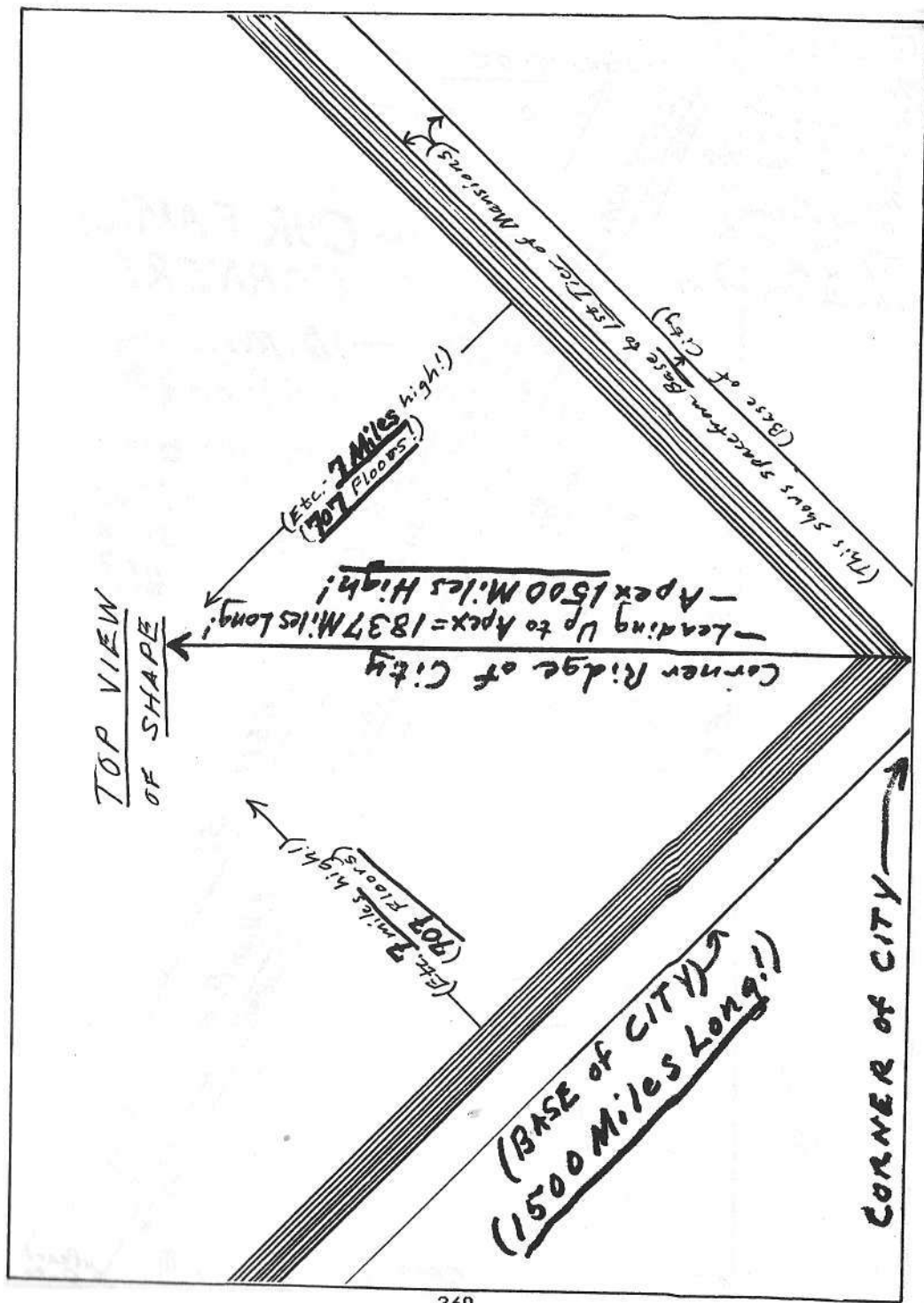
(7 miles high)
MANSION SHELVES SIDE VIEW
OF HEIGHT

This drawing is in approximate proportion to how high the 707 Terraces (Floors, shelves or tiers) would run up the side of the City above the Crystal Bldg!

-OUR FAMILY CORNER!
-10 Million Strong!
-How many will be there because of you!?

About 7 MILES!





—Showing approximate proportion of length of each Wing in comparison to Corner of City—
—This one Wing of our Family Section.

—There will be 707 Floors in each Family Wing with 707 Mansions on each Floor!— $\frac{1}{2}$ Million Mansions!
—Room for 10 Million of Our Family!

—HAVE YOU WON YOUR SHARE OF SOULS?

I've been sitting here for some time now figuring these figures & drawing these sketches & plans & figuring out how we were going to fit in our little corner, as we had already envisioned in discussions on Earth below (see "Heaven's Children" Chapter 9). So here it is! God bless you!—Hope you like it! This way we can all be together!

30. OF COURSE ALL OF THESE MANSIONS WERE ALREADY PRETTY WELL BUILT & LOCATED BEFORE by the Lord & His hosts as they prepared this City for us! They know how many it's going to have to accommodate altogether, & He simply is reserving this block of our apartment mansions for us in His wonderful provision & provision of the needs to come when you folks finally arrive here also! So we're really busy getting this corner ready for you, with all of its mansions furnished comfortably with every convenience & beauty conceivable, so that all that will remain is for you to come & occupy them! God bless you! Hallelujah! Thank You Jesus! Praise the Lord! Amen!—Amen? (John 14:2,3)

31. SO HERE WE ARE WAITING FOR YOU, WITH YOUR BEAUTIFUL MANSIONS ALREADY PREPARED for you & waiting simply for your occupancy to bring full life & activity to this wonderful corner of our marvellous City! (Rev. 6:11)

32. SO COME ON! HURRY UP & GET THE JOB DONE DOWN THERE so the Lord can come & bring you Home! Hallelujah! Thank You Jesus! It's really beautiful beyond your wildest imaginations & your most beautiful dreams, but it's still a lot just like I pictured it & just like we fostered it, so it'll still be very familiar to you & you'll recognise it all when you get Here! (1Cor. 2:9,10)

33. WELL, LOVELY PHOEBE'S CALLING ME TO LUNCH AGAIN, & although we don't really have to eat, we eat for the pure pleasure of it, these delightful delicacies of Heaven! Some of these luscious fruits that they prepare for us they tell me are from the Trees of Life that grow along the River of Life that flows through this beautiful City.

These trees bear not only the Leaves of Life for the healing of the nations who'll someday be outside when this City gets to Earth, but also they bear twelve different kinds of fruit every year, each month a different kind of fruit! So we really have a lot of variety Up Here to enjoy! (Rev. 22:1,2; Eze. 47:12)

34. AND IF THEY WANT A LITTLE REFRESHING OUTING, THEY CAN GO DOWN & PICK THE FRUIT directly off the Trees of Life themselves if they so desire. But if not, they can merely wave their magic crystal wands & the fruit appears on the plates! Our girls then arrange it in lovely patterns that are beautiful to see & bring it to our table for us to enjoy!

35. SO PHOEBE'S TELLING ME THAT THE FAMILY IS WAITING FOR ME AT THE TABLE, so I've got to fly! God bless you! I love you & can hardly wait until you get Here to enjoy all of this too! Praise the Lord! Thank you Jesus! It's all yours in Christ Jesus because of His love & His sacrifice for you, giving His life for your Salvation & spending these thousands of years Up Here preparing this gorgeous City for you to enjoy forever! (Rom. 8:32)

36. SO PLEASE HURRY & GET THAT JOB DONE OF WINNING AS MANY SOULS AS YOU POSSIBLY CAN so the Lord will know it's time to call you Home! Hallelujah! Thank You Jesus! Praise the Lord! God bless & keep you all until Jesus comes to get you to bring you Home!—In Jesus' name, amen!

37. BY THE WAY, DON'T MISS THAT HEAVENLY TOUR ARNER & PHOEBE PROMISED TO TAKE ME ON THROUGH THE CITY & ITS GLORIOUS FAIR, which I hope to tell you about in the next communication! Okay? So this is Grandpa signing off from the Heavenly City from Station HAN. And if you want to call me, my personal call letters are GHA! God bless you! So long until next time! I love you! Bye bye!—In Jesus' Name, amen!

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WHERE DO YOU THINK THE WORLD'S GREATEST GEODESIC ARCHITECT GOT THIS WONDERFUL IDEA?

—Revelation 21!
—OUR HEAVENLY CITY!

a master architect and inventor of the geodesic dome unveils his visionary plan for a floating, self-contained community

I HAVE BEEN ASKED many times: "What would you do if you were building commissioner of the United States of America or even of the entire world?"

I would resign. I am an inventor and so have far vaster prerogatives than any politician. Edison, Bell, Marconi and the Wrights needed no licenses from anyone to light the night, to shrink the earth and to interlink all humanity. So I will pass up any hypothetical political appointment, but will accept the housing challenge as an inventor.

The drawings of the tetrahedral city on these pages represent an entirely feasible and practical new way for men to live together economically. The drawings cannot be understood, however, without knowing (cont'd on next page)

The author's city of the future consists of three triangular walls of 5000 living units apiece, the walls and base forming a tetrahedron; each unit faces the sky over a spacious terrace. The large cutaway drawing shows a huge public garden at the bottom of the interior of the superbuilding, which the sun pierces through broad openings at every 50th floor. Its transport system (in red) includes funicular as well as interior vertical and horizontal units. Though shown here on land, the city also can float.

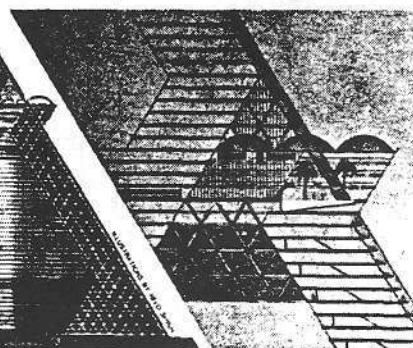
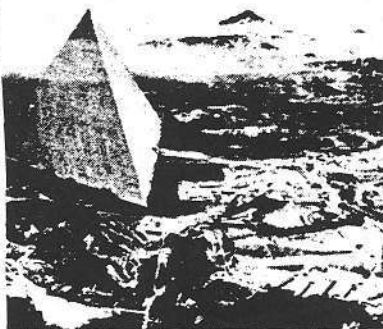
—And it not only stands 200 stories high & houses 75,000 people in 15,000 units but it also floats & flies! —He proves scientifically it can be done!

—From Playboy Magazine, February 1968.

article By R. BUCKMINSTER FULLER (Inspired Genius!)

CITY OF THE FUTURE

A drawing of the 200-story city superimposed on a photo of the outskirts of Tokyo vies for attention with Mount Fuji. The lowermost figure in the small cutaway drawing is at the back of the downstairs level of his duplex. Seven stories above him is a section of one of the three city centers that rim the structure. Here the transport system has a terminus at a community park, complete with lagoon, palms and shopping center in geodesic domes. Offices and maintenance facilities (in brown) line the transport tracks.



—BUT OURS STANDS 1500 MILES HIGH, HOUSES BILLIONS & IS A SPACESHIP!

the trends in housing and cities that lead up to them.

It is eminently feasible and economical to develop floatable organic cities of immense size. To visualize the various design-controlling conditions under which such cities could be constructed, imagine pinching a camera tripod's legs together, taking hold of the bottom of the tripod in one hand and trying to hold it vertically on the top of an automobile going 70 miles an hour, over rough terrain. As you opened the legs of the tripod—each time you spread them—the tripod would get steadier and steadier. This is the stabilizing effect obtained when tension stays are rigged from top to bottom on three sides of a mast, as with radio towers. It is equally effective to have the legs spread outwardly, as in the Eiffel Tower. When the three legs are spread apart so that the length of the edges of their base triangle equals the length of each of the legs themselves, the tripod attains its maximum stability. This conformation is that of the regular, or equilateral, tetrahedron. As the tripod's legs go farther apart than the regular tetrahedron, its top can support less and less load. Thus we learn that the most stable structure is the regular, equidged tetrahedron.

Following this design science clue, we find that a tetrahedral city to house 1,000,000 people is both technologically and economically feasible. Such a hollow tetrahedral city can be constructed with each of its 300,000 families having terraced "outside" apartments of 2000 square feet each. The terraces would permit the storage of mobile trailers, houseboats and other mobile homes, leaving an additional 1000 square feet for a garden. The living units would be weatherproofed and would require no additional "walls," or external skins, to be fastened onto the tetrahedral city. Such a city would consist of an open-truss framework "structural mountain," whose sides are covered with parked mobile homes. At night, it would be ablaze with light, as are the great petroleum refineries. All of the organic machinery necessary to its operation would be housed behind the three principal "walls" of the tetrahedron.

Tetrahedrons are also geometrically unique in that they grow symmetrically by additions to any one of their faces. Tetrahedral cities may start with 1000 occupants and grow to hold millions, without changing their over-all shape and always providing each family with 2000 square feet of floor space. (The city illustrating this article, for example, while much smaller than the model discussed here, is technically identical.) Such a city would be so structurally efficient and therefore so relatively light that, together with its foundation—of hollow sections of reinforced concrete—it

could float. The model floating city would measure two miles to an edge. Its foundation would be 200 feet or more in depth and several hundred feet wide. On land, the structure could float in a three-sided moat, which would make the whole city earthquakeproof. Or the structure could be floated out into the ocean to any point and anchored. The depth of its foundation would go below the turbulent level of the seas, so that it would be, in effect, a floating triangular atoll. Its two-mile base would provide landing strips for jet airplanes. Its interior, two-mile harbor would provide refuge for the largest ocean vessels.

The total structural and mechanical materials involved in production of a number of such 1,000,000-inhabitant tetrahedral cities are within the capabilities of several companies in the major industrial nations. Withdrawal of materials from obsolete buildings on the land will permit the production of enough of these floating cities to dot the oceans of the earth, at distances negotiable by relatively small boats. Because their foundations would be below wave turbulence, such cities would also permit mid-ocean cargo transfers, extraordinarily increasing the efficiency of material and passenger traffic. The cities would generate their own energy with atomic reactors, whose by-product heat would be used to desalinate sea water for the city's water supply. In short, these habitats would greatly facilitate both travel of all sorts and the coming large-scale exploitation of the oceans.

In 1954, the United States Marine Corps helicopter-lifted a geodesic dome large enough to house an American family. The latest helicopters being built for Vietnam can air-deliver geodesic domes large enough to cover a football field, including the end zones, the quarter-mile running track and side bleachers. By 1975, it will be possible to air-deliver geodesic domes large enough to cover small cities. (It is now possible to cover a large city in three months by delivering large subassemblies of a dome.)

There are already 5000 geodesic domes in 50 countries around the world, many so light and strong as to have been air-delivered.

Domed-over cities have extraordinary economic advantage. A dome calculated for mid-Manhattan has a surface that is only 1/85 the total area of the buildings that it would cover. It would reduce energy losses—either in winter heating or summer cooling—to 1/85 of the present level. It would obviate snow removal. The savings in ten years would pay for the dome.

Domed cities are going to be essential to the occupation of the Arctic and the Antarctic. The Russians are already experimenting with them in the Arctic. They will be used in desert areas to shield new growth from the sun, while

preventing wasteful evaporation of piped-in, desalinated water. Gradually, the success of new domed cities in remote places will bring about their use in covering old cities, particularly where antiquities need to be protected.

The domes over our cities will be so high and their structural members so delicate as to be nearly invisible. They will bring shadow when shadow is desirable and sun when sun is desirable, always keeping out rain, snow and storms as well as exterior industrial fumes, while collecting rain water in reservoirs. The temperature inside the domes will be so stabilized that a semitropical atmosphere will exist. Inasmuch as there will be no rain or snow, people will live in garden-terrace skyscrapers, with screening only for privacy.

Because of the geodesic domes, the increasing trend toward mobility will find expression not only in individual "homes" but also in entire cities.

When the sun shines on an open-frame aluminum geodesic sphere of one-half-mile diameter, sunlight is reflected by the concave inner surface back into the sphere and gradually heats the interior atmosphere. When the interior temperature of the sphere rises only one degree Fahrenheit, the weight of air pushed out of the sphere is greater than the weight of the spherical-frame geodesic structure. This means that the total weight of the interior air, plus the weight of the structure, is much less than the weight of the surrounding atmosphere. The entire assemblage would then float into the sky.

As geodesic spheres get larger than one-half mile in diameter, they become floatable cloud structures. If their surfaces were draped with outwardly hung polyethylene curtains to retard the rate at which air comes back in at night, the sphere and its internal atmosphere would continue to be so light as to remain aloft. Such sky-floating geodesic spheres may be designed for altitudes of thousands of feet. The weight of human beings added to such prefabricated "cloud nines" would be negligible. Many thousands of passengers could be housed aboard a mile-diameter cloud structure.

The passengers could come and go from cloud to cloud, or cloud to ground, as the clouds floated around the earth or were anchored to mountaintops. While the building of such floating clouds is several decades hence, we may foresee that—along with the floating tetrahedral cities, air-deliverable skyscrapers, submarine islands, subsurface dwellings, domed-over cities, flyable dwelling machines and rentable, autonomous-living black boxes—man may well be able to converge and deploy at will around the earth, in great numbers, without further depletion of our planet's productive surface.