

Crabb

Personalizing the

World Power Grid

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PERSONALIZING THE WORLD POWER GRID

By Riley Hansard Crabb, and with Addenda

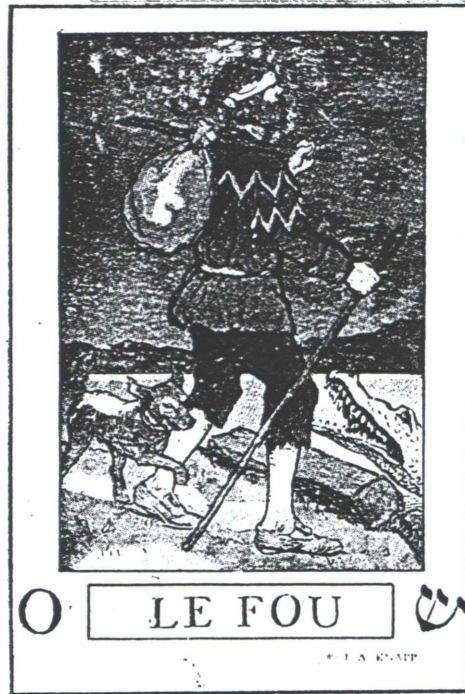
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THE WORLD POWER GRID AND ITS APPLICATIONS
INTERNATIONAL, NATIONAL AND LOCAL

By Riley Hansard Crabb

The World Power Grid and how we can possibly make use of it for our own selfish purposes -- as the Russians are doing for theirs. My approach -- I don't consider myself a scientist for I don't have



the patience for the detailed, repetitive research required of a natural scientist -- is that of a philosopher, a student of the Cabala, the Mystery Tradition of the West. You will notice that I have before you a couple of the Tarot trumps, from the Tarot deck which is a great visual aid teaching system of great antiquity, going back to Egyptian times and possibly Atlantis.

The Fool of the Tarot trumps, seen here on the left, is the average person -- including you and me -- finding our way through life, beset by all of the opposition pictured here, a dog biting at the calf of our leg, in the lake before us is a crocodile threatening to devour us with its gaping jaws, the wooden beam along the shore is the fallen Tower of Babel -- our ma-

terial hopes and dreams which have come to nothing; and of course, slung over our shoulder is the bag containing all of our troubles, the ones which we refuse to give up; but we trudge on through life, our head bandaged but with our eyes on the far horizon, the Fool.

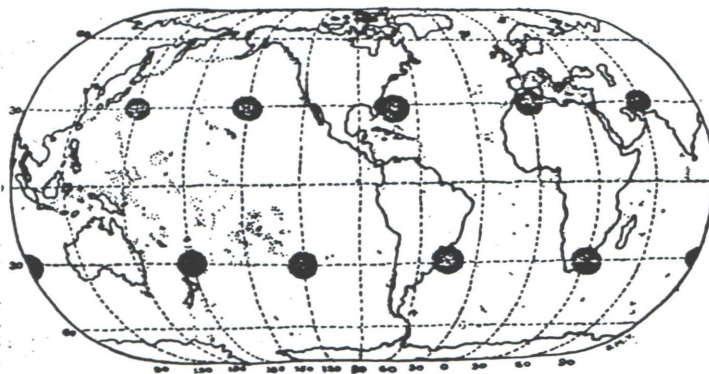
Here on the right we have The Magician. The French Cabalists call him Le Bateleur, the Juggler; but here, obviously, is someone who is in command of himself. In fact he has learned the way to control the Elements rather than be controlled by them. This is our destiny whether we know it or not. Contrast the Fool who is the victim of destiny, and the Ma-



gician who controls his destiny, by what he has learned from studying the Mysteries of life, the Ancient Wisdom. One of the Mysteries which has been revealed in the past few years is the World Power Grid, the network of Ley lines by which the planet was created and is sustained. The challenge to the borderland Magician is to find ways and means to tap those power lines and to make use of that Grid which must, of course, be intimately associated with the four Elements of occult science: Earth, Water, Air and Fire.

The Magician in the first Tarot trump points to the Earth with his right hand. The cup or Chalice on the table represents Water. The sword represents the element of Fire, and his wand the element of Air. The circular discs on the table are Pentacles containing the Sigils or psychic telephone numbers of the Forces he plans to evoke and invoke. In his upraised left hand is the Caduceus with the black and white serpents entwined, representing constructive and destructive forces in balance. The wings at the top represent consciousness, consciousness freed from form and winging its way throughout the universe. I know this from experience; for, visualizing and contemplating the Caduceus in meditation one night, when I got to the Wings I went into trance and took off. Because I don't have a good bridge of consciousness built, what I brought back was only confused images of where I had been. Bringing back clear images takes work, lots of work, as part of your effort in shifting the focus of your life from being the Fool to being the Magician.

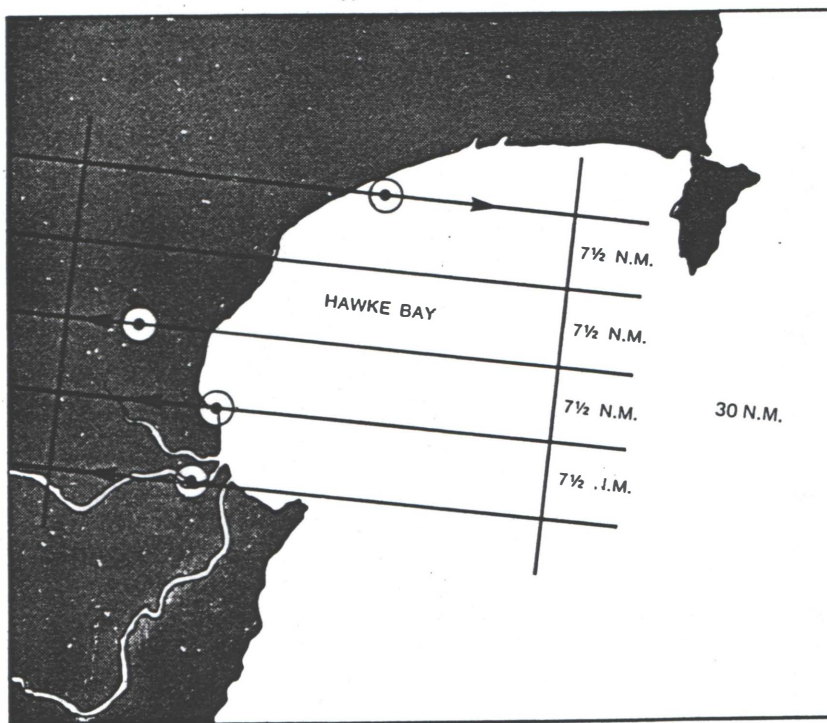
THE WORLD POWER GRID ACCORDING TO IVAN SANDERSON



Twelve sections of the world, vortices of electromagnetic aberrations, as suggested by the theory of Ivan Sanderson. The two areas not shown on this projection are at the poles. The area to the east of Japan corresponds to the Devil's Sea, the Japanese equivalent of the Bermuda Triangle.

world and the 12 vortices created at the crossing points of the master grid lines, in his book on "The Bermuda Triangle", an Avon paperback published in 1975. Ships, airplanes and people have disappeared into the vortex off the coast of Florida, but there are 11 other places on the surface of the earth where such anomalies, such space-time warps exist.

It was the study of masses of data from all over the world, on the phenomena of these disappearances, which led Sanderson and his friends to come up with this crude map in the 1960s. These space-time warps are not always active, but if you enter or cross one at the right time -- or wrong time! -- you may very well disappear into the Fourth dimension not to return. So we have to give Ivan Sanderson credit for developing this grid map. This was about the same time Capt. Bruce Cathie his grid system in New Zealand, but Cathie was led into it by Flying Saucer sightings over and around New Zealand. The UFOs were apparently operating along fixed lines of energy known only to them! Below is a reproduction of one of Cathie's maps of UFO sightings, on his New Zealand Grid, from his book "Harmonic 695".



A portion of the grid superimposed on the Hawke's Bay area where UFO sightings were reported. The four sightings (ringed) coincide perfectly with the lines of the grid which had been drawn up three years previously on the basis of confirmed sightings throughout New Zealand.

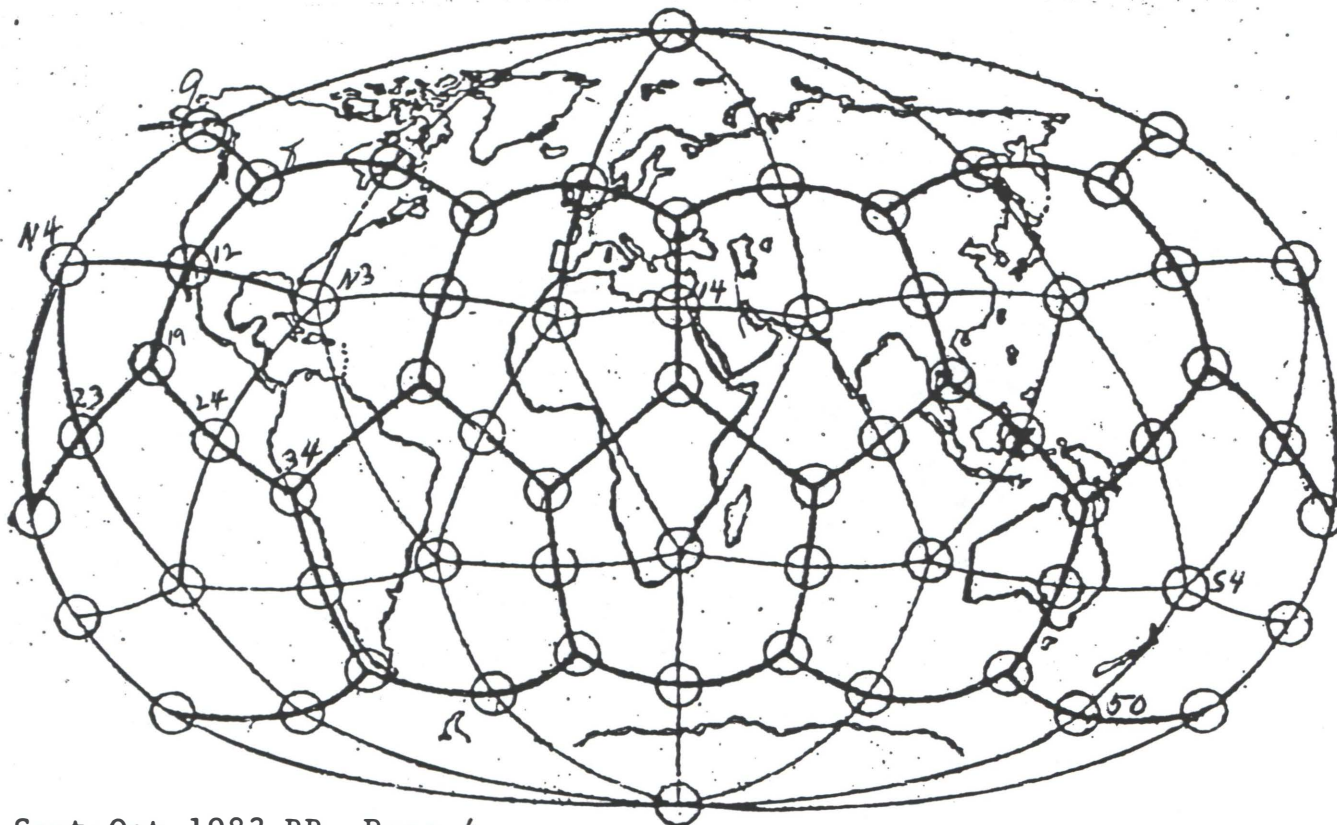
Meanwhile, Russian scientists were getting into the act with a research program of their own. According to Christopher Bird, in an

article in "East-West Journal" in 1975, wrote of "Nikolai Goncharov, a Muscovite historian enthralled by the ancient world. . . marked on a globe all the centers of earliest human culture. Somewhere within him an 'intuitive impulse suggested there might be a pattern, a geometric regularity, behind their genesis." Bird is quoting from a translation of an article in a 1973 issue of "Komosomol's Pravda", the official newspaper for Russian youth. "The story suggested that far from being a simple spheroid, our globe started out as a crystal with angular dimensions. . .

VAGUE SUSPICIONS BECOME A WORKING HYPOTHESIS

"It was only after Goncharov met Vyacheslav Morozov, a construction engineer, and Valery Makarov, a specialist in electronics, that his vague impulse became first a suspicion, then a hypothesis. After several years' work it appeared in 'Khimiya i Zhizn' (Chemistry and Life), the popular science journal of the USSR Academy of Sciences under the title 'Is the Earth a Large Crystal?'

"The main thrust of the article, based on studies made by the three collaborators of data taken from fields as widely separated as archaeology, ornithology, geochemistry and meteorology, was the suggestion that the earth projects from within itself to the surface a dual geometrically regularized grid. The first part of this grid forms twelve pentagonal slabs over the sphere from which evidence the research triumvirate suggested that the first shape of the earth had just such an outline. In other words it was a dodecahedron.



CONFIRMATION IN ANCIENT HISTORY

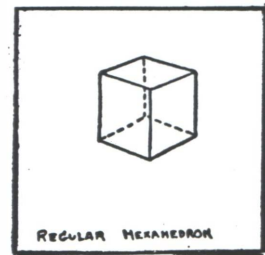
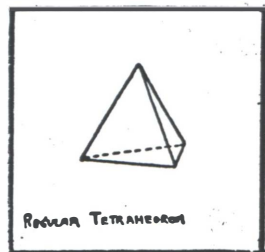
"While the Russian allegation may seem fantastic at the outset," writes Bird, "the idea of the earth as a geometric shape goes back in history at least to the Pythagorean school of thinking in ancient Greece. (Pythagoras' school of Western philosophy was actually on the southern shore of the island of Sicily, at Krotona.) Its famous adherent, Plato, wrote that 'the earth, viewed from above, resembles a ball sewn from twelve pieces of skin.'"

And, if any of you have seen a cow hide stretched out on a barn door to dry, you can see the resemblance between that and the 12 pentagons in the Russian grid on the preceding page. How did Plato get to see the planet from so far out in space. Was he capable of making out-of-the-body projections in full consciousness, as an adept? Or was he taken for a ride up there in a Flying Saucer?

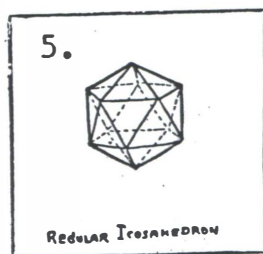
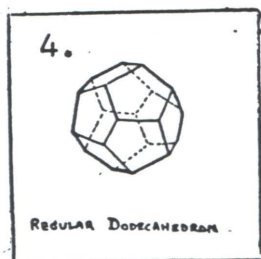
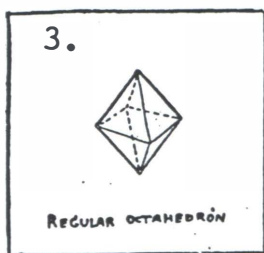
Anyhow, Plato's School of Western Philosophy was in existence in Athens for over 900 years! From around 400 B.C. until 529 A.D. -- when it was closed by an illiterate Byzantine emperor, Justinian, because the liberal, radical ideas taught there might stir up unrest among the masses. As graduates of Plato's Academy did Sanderson, Cathie and Goncharov in earlier lives in Greece learn of the World Power Grid System? Possibly, that would help to account for the "vague impulse" which led Goncharov to develop his hypothesis.

Another reference from ancient history was picked up by Charles Berlitz. It is in his book "The Bermuda Triangle" where he quotes from the great legend of Gilgamesh -- from the Chaldean civilization -- Gaetano, one of the leaders, was taken out into deep space in a Flying Saucer -- to where the Red Sea looked like a little trench of water and all the land looked like porridge. That was 60,000 years ago at least.

THE FIVE PLATONIC SOLIDS, CONVERTING ENERGY INTO MATTER



The students at Plato's Academy were trained in meditation and they were shown how God creates form from force; so if you want to create powerfully and positively as the Creator does you practice visualizing what are known as the five Platonic solids. These are the only crystalline structures, the only polyhedrons in which all sides and angles are equal, and faces. The simplest is the Tetrahedron -- a three-sided pyramid and base, four faces. The next coming down the Scale of Tangibility is the Hexahedron, with six faces. Each figure gets more complicated than the one which precedes it. This, of course, is the familiar box or cube. Next is the Octahedron, two three-sided pyramids base to base. The Greeks had another name for these solids, by the way, the Playthings of Dionysius -- the playthings of the Gods. Some say these Playthings are the forerunners of our modern dice. Next in line is



the Dodecahedron, with 12 faces. Notice that here the figure is composed of five-sided areas, pentagons, of the kind which make up the Russian Grid.

Finally, the Fifth of the Platonic Solids, the Icosahedron with 20 sides; and it is these last two in combination which make up the crystalline structure of the earth. This is why the Russian Grid is called an Icosa-Dodecahedron. Our figures here are copied from Gamov's "One, Two, Three Infinity".

So you can see that in Plato's School of Philosophy the students were led right down into the kind of sequential thinking which, on a much larger scale, God used to create the planet earth. John Sinkiewicz, in his article on the Grid in "Pursuit" magazine, states that the earth started out as a simple crystal; and as it moved through space matter was accumulated on it until we have the complicated structure on which we now live, move and have our being. The original crystal structure has filled in and we are not aware of it, most of us.

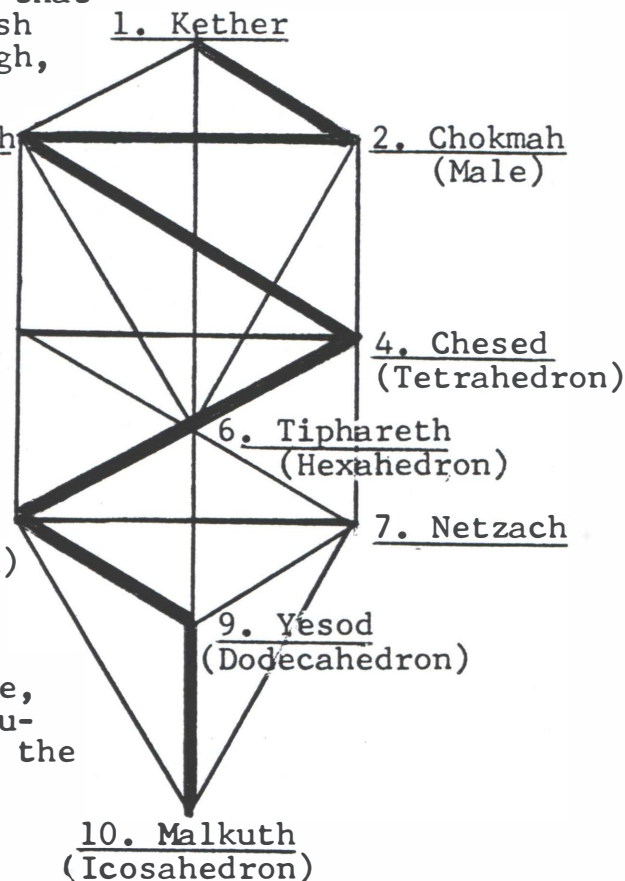
THESE CRYSTAL STRUCTURES HAVE SEX

As long as we started out with the Cabala, we may as well refer these figures or Solids to the Tree Life. In doing so we find that

they conform to the familiar Lightning Flash of divine energy as it descends from on high, zig-zagging back and forth across the Middle Pillar of the Tree, from Kether, Zero or Infinity, the Point becoming a series of points to the Line, Chokmah (active or male), back across the Zero-line to Binah (passive or female), defining Area, then back across the center line to Chesed, defining Volume with the Tetrahedron. Then it's to the center line again and the Christ center at No. 6 with the Hexahedron. More volume is added at No. 8 with the Octahedron. Life begins to get really complicated with the 12-sided Dodecahedron at the Moon center, and finally the Icosahedron at Malkuth, the Earth.

So you see the roadmap of the universe, the Tree of Life, is of great help in evaluating the findings of science as it probes the universe from the physical side of life. Occult science helps to lead me through.

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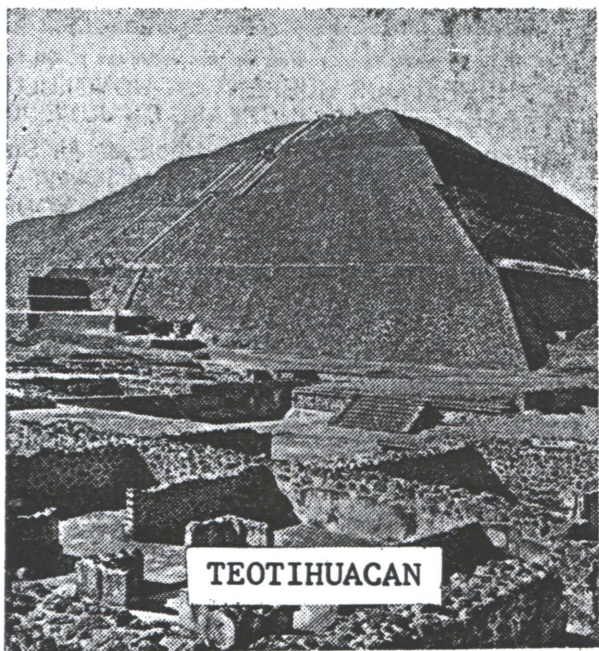


Now back to the Russian Grid. Remember, here we are dealing with spherical geometry and those pentagons are all very neatly shaped. But when you transfer one of these pentagons, or a section of it, to a flat, Mercator projection map -- of the kind we are all used to looking at and dealing with -- there are distortions; and when you get down to your local area the only way to locate ley lines and grid crossing points is by dowsing with dowsing rod or pendulum -- unless you are psychically sensitive enough to feel the flow of the ley line or the vortex of the point.

THE NO. 1 CROSSING POINT ON THE EARTH'S SURFACE

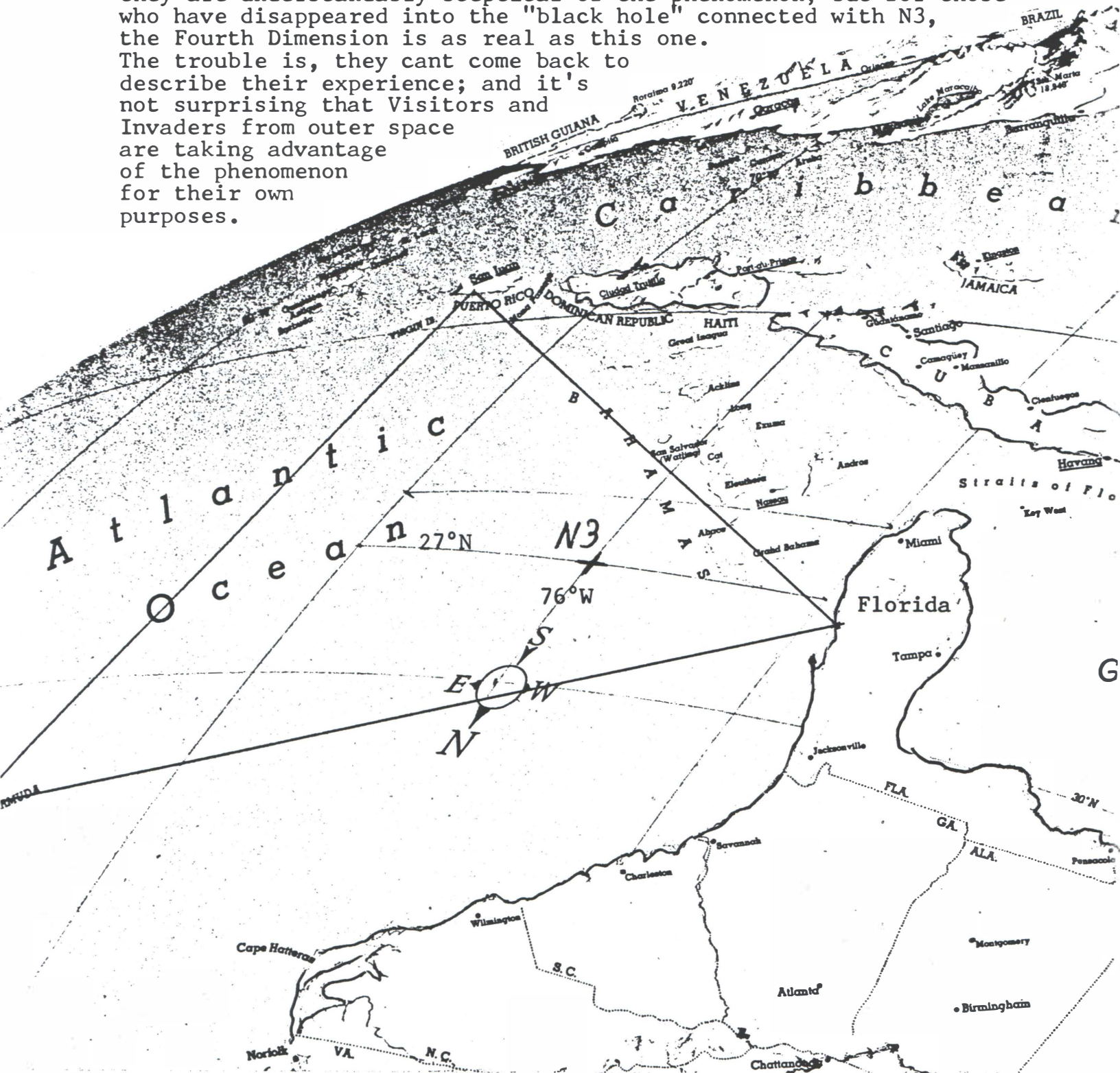
On a ball or a sphere there is no beginning, no ending -- except for one arbitrarily chosen by the observer -- or wherever you happen to be on that sphere! To the Russians Goncharov, Morozov and Makarov the most outstanding spot on the earth is the great pyramid in the suburb of Giza, near Cairo, Egypt; so they called that No. 1 of the Master intersections on their grid. Turn back to the Grid illustration on page 4. From the bottom center of the sphere count up five little circles, to the northeast corner of Africa. John Sinkiewicz, on his grid map, calls this No. 14, and gives the grid coordinates as $29^{\circ}58'51''$ North and $31^{\circ}09'00''$ East. Chris Bird's article on the Russian Grid does not give the Longitude and Latitude coordinates, which are indispensable in erecting charts of local ley lines.

One significant point on which all seem to be agreed is that the Great Pyramid is the center of the world's land mass -- as you can see when looking at the Grid map on page 4. And, according to Pawlicki, in his book "How To Build a Flying Saucer", a circle drawn at 90° from Giza picks up a great pyramid in south China. Another, drawn at 120° picks up the great pyramids in Mexico, Teotihuacan, and Peru, Cuzco -- half tones and quarter tones of a great world-wide communications network built by prehistoric civilizations. -- still functioning after all these thousands of years though the builders have been long, long gone.

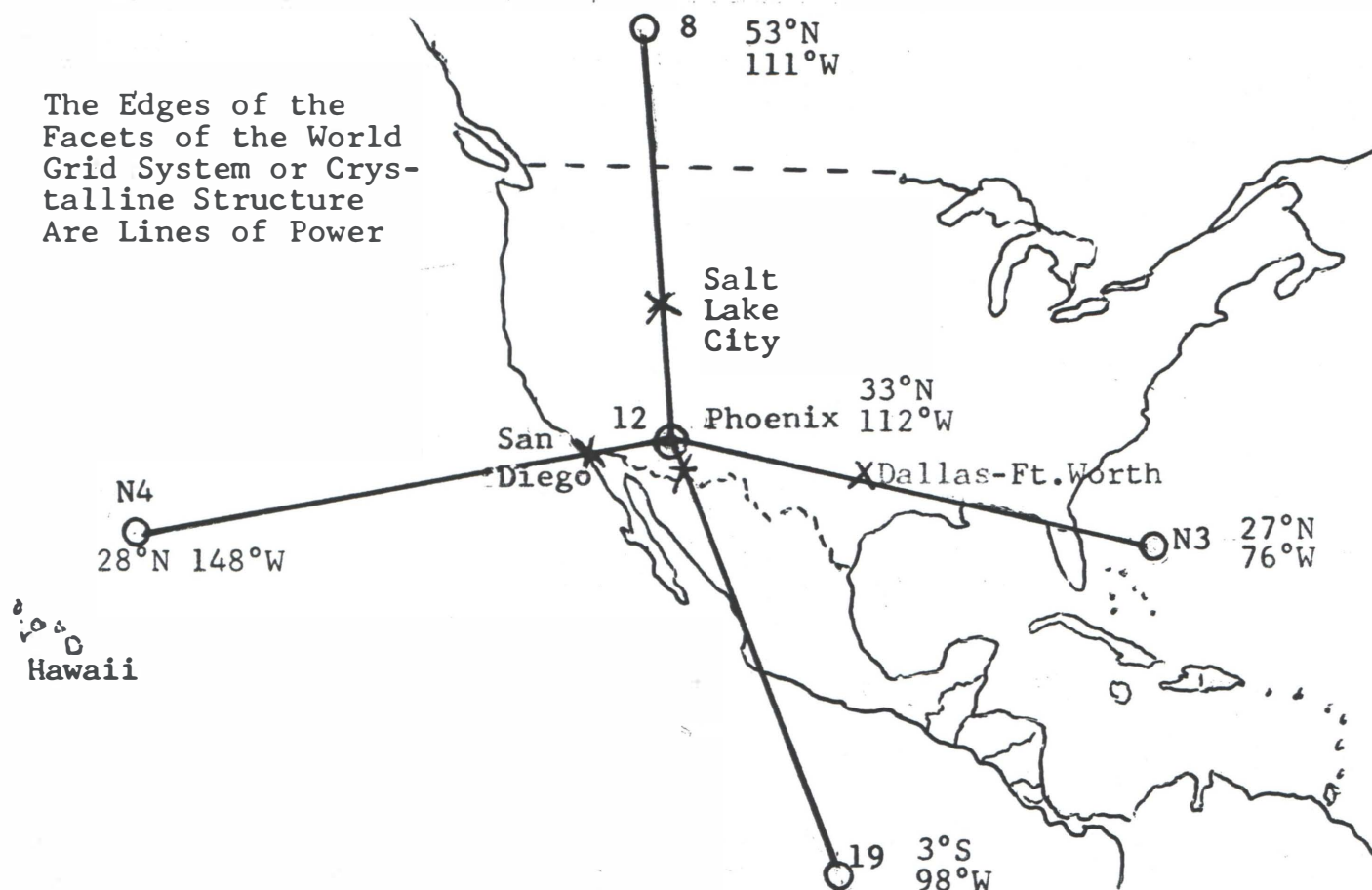


A major crossing point to us of course is the one off the coast of Florida, a vortex of energies which has caused the disappearance of many planes, ships and people. This is N3 on the Sinkiewicz map and the coordinates are $27^{\circ}03'18''$ N and $75^{\circ}59'11''$ W. Apparently a great Atlantean civilization of some 20,000 years ago found a granite mountain at this point and decided to make of it a giant crystal or crystals, 12 facets in all, meticulously cut and polished to reflect and direct energies from space, from the Zodiac. According to the Ruth Montgomery Controls, those Atlantean scientists had guidance in constructing this space-time warp, free-energy device from advanced beings from outer space. It is easy see from this

that as the earth revolves through space -- and in the grip of the 12 primary forces of the Zodiac -- each facet of the great Atlantean crystal would come into play, at random times reflecting energy and at others absorbing it, thus the sporadic space-time warp phenomena so puzzling to observers and to researchers. The Triangle area is heavy with surface and air traffic. Some people travel through it regularly for years and do not experience anything unusual; thus they are understandably sceptical of the phenomenon; but for those who have disappeared into the "black hole" connected with N3, the Fourth Dimension is as real as this one. The trouble is, they cant come back to describe their experience; and it's not surprising that Visitors and Invaders from outer space are taking advantage of the phenomenon for their own purposes.



The Edges of the Facets of the World Grid System or Crystalline Structure Are Lines of Power



LOCALIZING THE WORLD GRID LINES

We find that the coordinates for crossing point or intersection No. 12 is the location of Phoenix, Arizona; so it's not surprising that the vortex of energy there is expanding that desert town into a metropolis. Tucson, 175 miles to the south, is on the Master Grid Line from 12 to No. 19 out in the Pacific. Coming closer to home here in Vista we find that the growing city to the south of us, San Diego, is also on a Master Grid Line, the one going from Phoenix out into the Pacific, northeast of Hawaii.

It is safe to assume that the Planetary Logos activates the Master vortexes and locales along the Master Grid Lines when it suits His evolutionary plan for mankind and the planet. There may even be a rhythmic sequence by which this is done. Thus Master, Major and Minor intersections may zoom into prominence for awhile then fade away, as Goncharov discovered in plotting the locations of ancient civilizations and their capital cities. The rapidly expanding Prescott-Cottonwood-Sedona area in the mountains north of Phoenix is on the Master Grid Line from No. 12 to No. 8 in Alberta, Canada. This is an example of an old, comparatively quiet locale getting His attention and a new lease on life for expanded function in the Aquarian Age.

Note that the 12-N3 Grid line cuts through the top edge of the Gulf of Mexico. Now we know why an experimental Flying Saucer built by a Denver engineering firm in the early 1960s was dismantled, hauled to southern Louisiana, and reassembled for its maiden flight across the Gulf to Florida. We also have information that there is an underwater Flying Saucer base off the coast of Florida near Pensacola, and that some of the unfortunates who slip into the 4th Dimension at N3 are taken to this secret base.

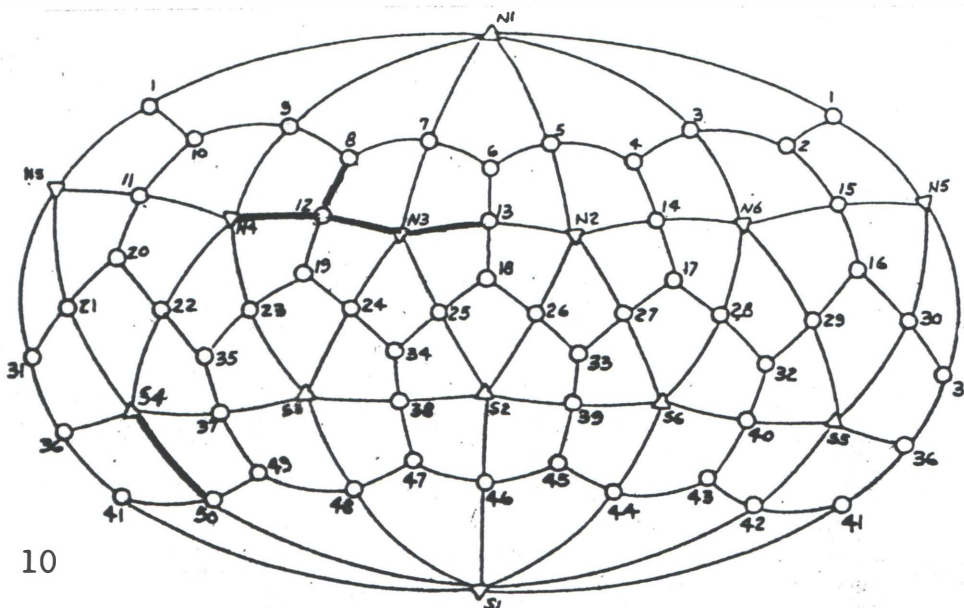
When we gave this talk at the Anderson Research Center in Los Angeles in February, 1983, a guest in the front row pointed to N4 on our chart and said that the late Arthur Godfrey had referred to this spot in the Pacific ocean northeast of Hawaii in his radio talks. Ships and planes had mysteriously disappeared there and pilots like himself had experienced navigation problems because of compass anomalies and other electro-magnetic distortions

Just a couple of days before the talk, Feb. 26th, there was a brief item in the Los Angeles "Times" about an amateur pilot who got lost in the Bermuda Triangle area flying from the Bahamas to Miami, and crashed into the sea off the coast of Florida because he ran out of gas. His wife was killed but he was rescued.

"THE PLANETARY GRID, CORNERSTONE OF SCIENCE AND EVOLUTION"

This is the title of John T. Sinkiewicz's article in 1982 First Quarter issue of "Pursuit" magazine, PO Box 265, Little Silver, New Jersey 07739, Robert C. Warth, Publisher, \$12 a year. Sinkiewicz is continuing his research on this planetary power system and has established his own research group L.I.F.E. (Light, Interaction, Frequency, Evaluation) Research Corporation. If you wish to correspond with him about the Grid and its practical applications, his address is PO Box, 871, Hendersonville, North Carolina 28793.

In his article on the Grid Sinkiewicz says he established the longitude and latitude coordinates for the Node or crossing points and intersections by calculating a line from the center of the earth to the surface, a technique not unfamiliar to navigators. He claims Grid or Ley lines can be located easily by psychic means, and members of his group have done so -- a technique described more fully in the Hefferlin Manuscripts, Part II.
(To be continued in the next Journal)



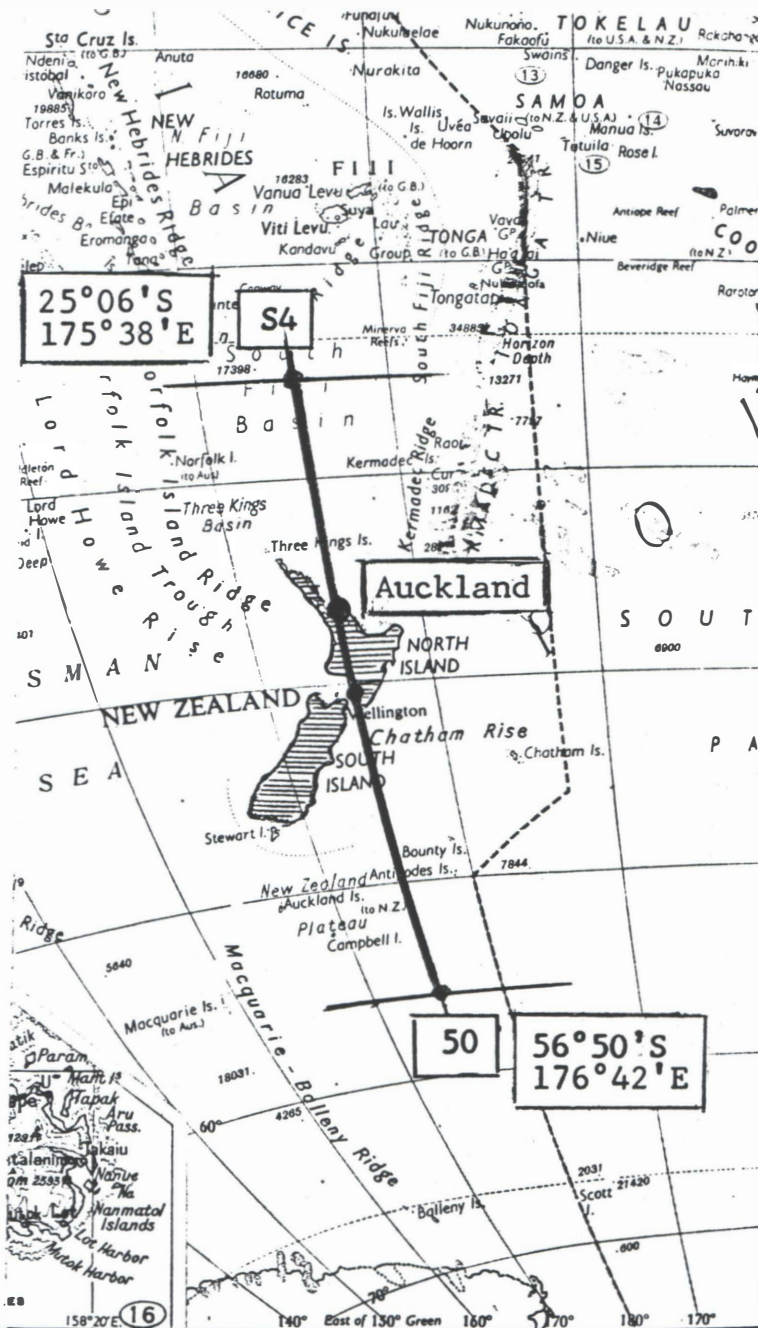
THE WORLD POWER GRID SYSTEM, PART II

By Riley Hansard Crabb

Early in the 1960s, while Ivan Sanderson was developing his world grid map, on the other side of the world Capt. Bruce Cathie was also wrestling with the problem.

Whereas Sanderson approached it from the accumulation of space-time warp phenomena at certain spots on the earth's surface, Cathie was curious about the straight-line sightings of Flying Saucers in the New Zealand area. These suggested to him that the UFOs were flying along invisible but very real lines of magnetic force. Cathie is or was a pilot for New Zealand Airways. His first findings were published in the book, "Harmonic 33", 1968, his second in "Harmonic 695", 1971, and his third, "The Pulse of the Universe", 1977.

Cathie's grid of rectangles bears little resemblance to the Icosa-Dodecahedron grids of the Russians (page 4 of the previous Journal) and Sinkiewicz (page 10) yet it is accurate enough to serve as a technical base for accurate predictions. Look for New Zealand on the Russian and Sinkiewicz grids and you will see that both Auckland, NZ's largest city, and Wellington, its capital, are on a Master Grid line, S4-50, as predicted by Cathie ten years earlier, and we have illustrated this on the map to the left, and on the following page, the Fly Leaf from "Harmonic 33" and "Harmonic 695" with our added notes.



Excited by his great discovery, Cathie decided to generously share his information with the world. He accepted an invitation to lecture on his Grid system to students at Victoria University in Wellington. After the talk the editor of the student newspaper came up to Cathie and asked him what he knew about the American communications base on Kauri Point in Auckland harbor?

Bruce replied that he didn't know anything about such a base.

"Well, you have it marked on your chart!" and the editor pointed to the multi-circled spot. After flying back to Auckland, Cathie got in his car and drove around to Kauri Point. Sure enough, there was a large building, bristling with an array of antennas and other communication equipment. It was surrounded by a high wire fence, with armed guards patrolling.

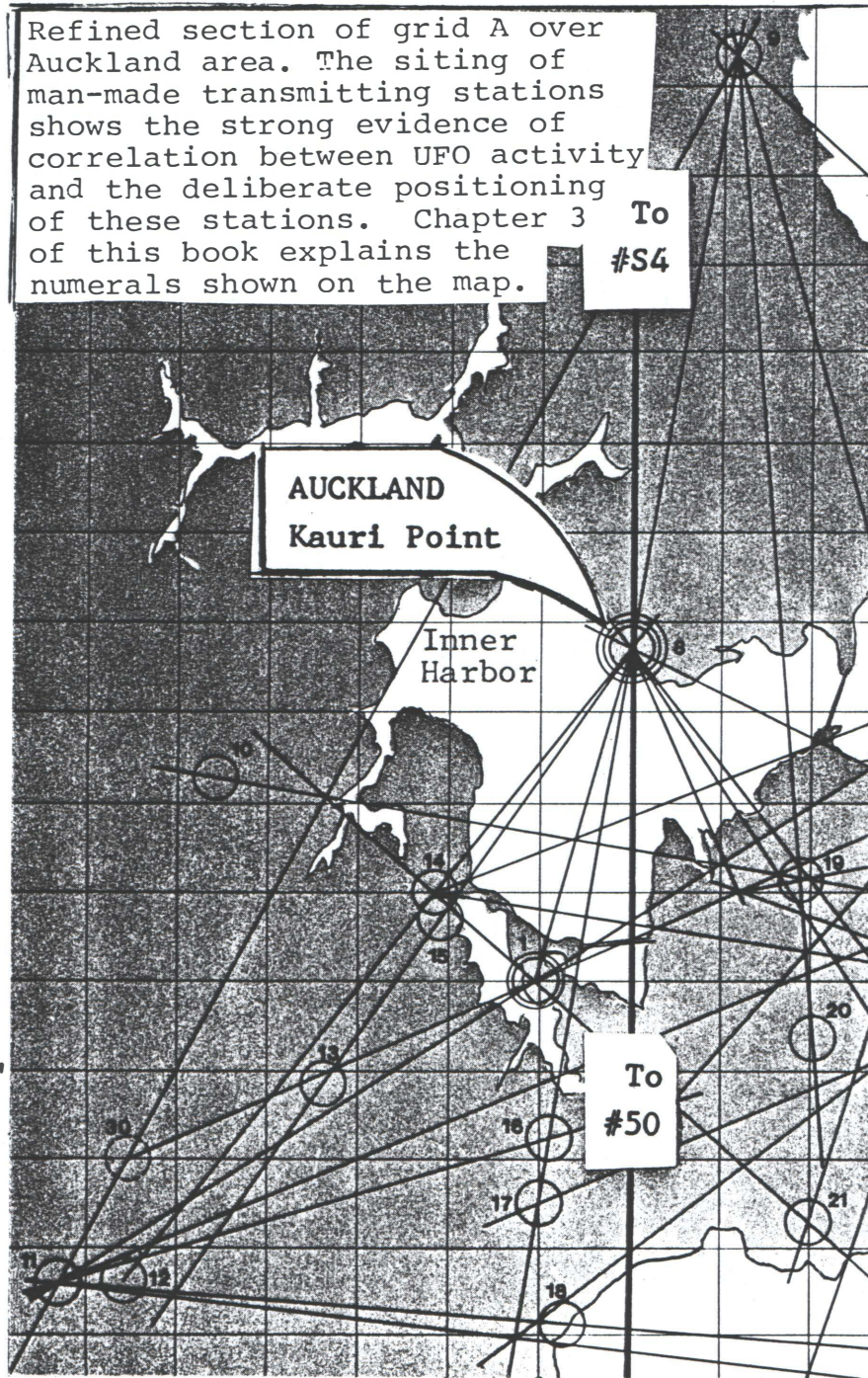
This New Zealand borderland researcher was crestfallen. Apparently an elite group of American scientists, and the military, already knew about the Grid system and had been tied in to it for years! Who knows how many of these so-called communications bases on Grid Points and Ley lines all over the world, have been built with our tax money -- but are not operated for our benefit! Cathie began to receive callers. One Visiting American scientist told him quite frankly, "The people have no right to know what we are doing here."

Another visitor, a New Zealand electronic engineer, working for the Yanks at Kauri Point, said, "Don't you know what happens to people who know too much?"

In the twenty years and more these Grid point bases

Refined section of grid A over Auckland area. The siting of man-made transmitting stations shows the strong evidence of correlation between UFO activity and the deliberate positioning of these stations. Chapter 3 of this book explains the numerals shown on the map.

To
#S4



have been operating, it seems logical to assume that technical problems of getting free energy from the Grid lines have been solved.-- though as long as the major oil companies dominate our political and economic life such techniques will **never** be made available to the public -- even though we have paid for the research and development.

NIKOLA TESLA VINDICATED

MIRO success in re-discovering the Grid system and putting it to practical use confirms the research and development of Nikola Tesla ninety years ago. With a little receiver tuned to the so-called Schumann Resonance of 7.8 cycles per second, Tesla could light a little bulb anywhere. We have this interesting observation by Stan Deyo in his book "The Cosmic Conspiracy":

"It is also rumoured that Pine Gap (a highly secret American facility in the center of Australia) has a very large nuclear facility to power its enormous 'transceiver' (or Tesla Magnifying Transmitter). Other rumored projects include high-voltage, high-energy plasma accelerators, possibly for use in new methods of power generation, a death ray or plasma cannon, and even specialized power broadcasts to fuel electric submarines as far away as the Indian Ocean. It is almost certain that the earlier version of Pine Gap's very-low-frequency transceiver (ELF wave) which is located at the North West Cape near Exmouth Bay in Australia was and still is used to transmit very powerful undersea currents to U.S. submarines which trail long antennae behind them in the ocean. It is also known that electricity transmitted this way can be strong enough to recharge on-board 'high-voltage batteries' known as plasmadynamic storage cells."

We might add that the Navy submarine must travel along a known Grid line, and that the trailing antenna must be "tuned" by specific length, diameter of wire, insulation, etc. Deyo also notes that the TMT (Tesla Magnifying Transmitter) at North West Cape is exactly on the opposite side of the world, the antipodes, of N3, the space-warp vortex in the center of the Bermuda Triangle. This is about 300 miles east of Ft. Lauderdale, Florida (See page 8 of the Sept-Oct Journal), and thousands of feet down under is the great Atlantean Fire Crystal. Electro-magnetic waves of energy sweep out from the TMT at the Cape, at the speed of light, expand to a maximum circumference of 25,000 miles, converge again at N3, then sweep back again to North West Cape. What frequency are the Dr. Fausts of the American government using? That's Top Secret!

The first Magnifying Transmitter -- in this civilization! -- was built by Nikola Tesla at Colorado Springs in 1899. There he proved that the earth's atmosphere contained billions of volts of clean, available energy, just waiting to be tapped by anyone who could build and perfect the right equipment. Is it any wonder that at his death in a New York hotel in 1943, the government seized all of his papers, patents, etc. and put them away under lock and key? So it was Russian scientists who recognized the value of Tesla's work and put it to good use. (To be continued)

THE WORLD POWER GRID SYSTEM, PART III

By Riley Hansard Crabb

It has been determined by triangulation that Russian scientists and technicians have built three huge Tesla Magnifying Transmitters (TMTs) in northern Europe. First information on this came from Danish communication authorities. One TMT is at Riga, capital of Latvia on the Baltic Sea. Another is at Gomel, 100 miles south of Moscow, and the third is at Kiev in the Ukraine. Note that Kiev(4) is located on one of the vortex crossing points on the Master Grid or Ley lines. (See Sinkiewicz Grid chart, page 10, Sept-Oct RR)

In his confidential report to leaders of Western nations back in 1977, Dr. Andrija Puharich pointed out the significance of the locations of those three TMTs. Russian physicists may be experimenting with the creation of a particle beam "wall" to protect Moscow from missiles launched from Europe or the United States.

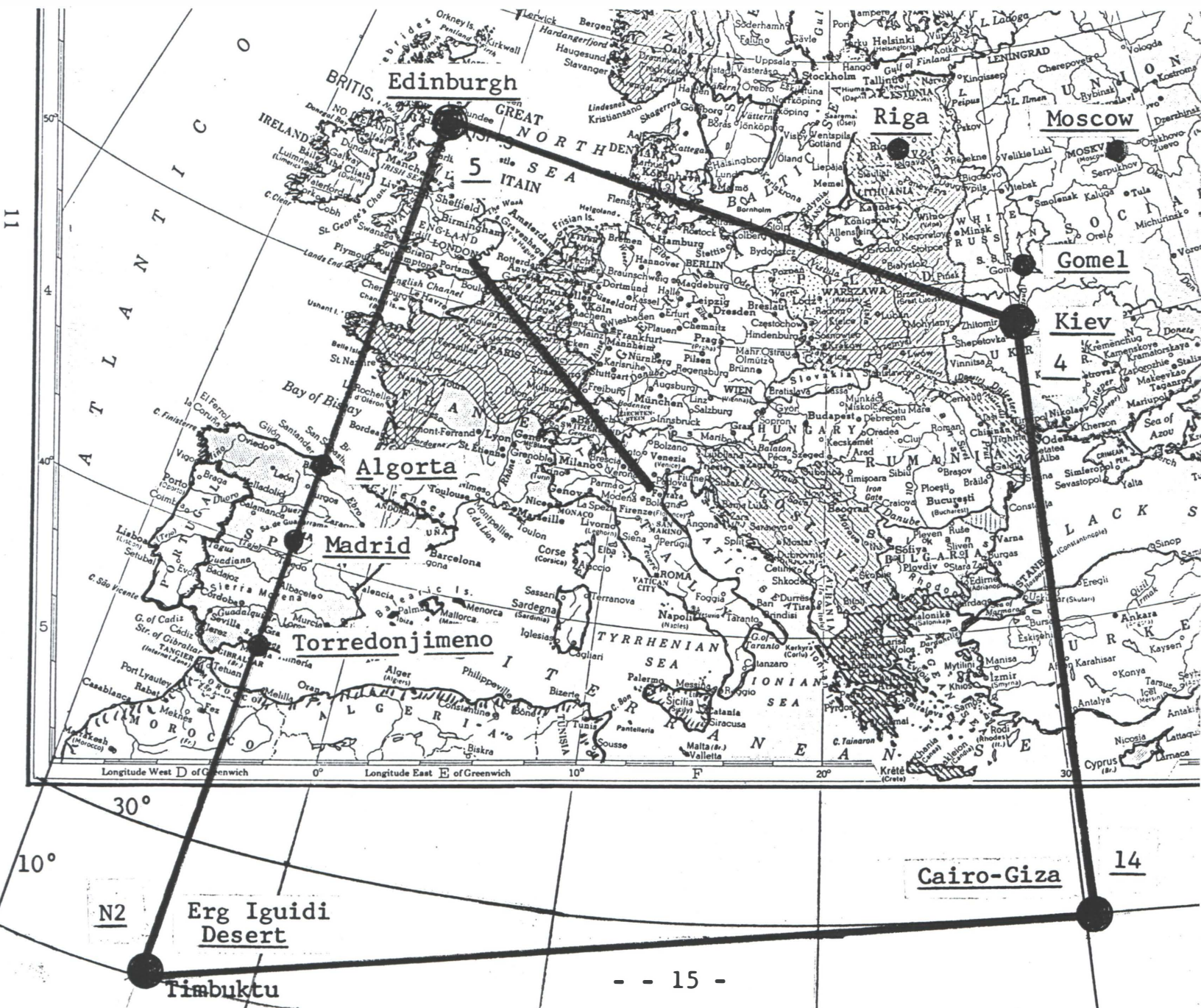
These transmitters have been broadcasting night and day without letup since 1976. The frequencies used are in the Extreme Low Frequency range (ELF waves) of 1 to 20 Hertz or cycles-per-second. I have no difficulty picking them up at night at my home in Vista on a little DX-55 Radio Shack Short Wave Receiver (\$49.50), and in the daytime, too, with added amplification. Lecture halls, especially with fluorescent lighting which produces neutralizing static, presents a problem for demonstration; so I have a cassette recording of the infamous Russian "woodpecker". It comes in at 5.340 Megahertz on the Short Wave band. That's the carrier wave or, as Bob Beck calls it, "the taxicab. The passenger is the ELF rate". This rate sounds like a woodpecker. This is supposed to alter our state of consciousness by causing panic and/or riots in the unsuspecting individual. I suppose Russian biologists have selected this rate after considerable clinical testing on animals and humans. I asked Ed Skilling to check the "woodpecker" on his high resolution frequency counter. It was 9.49 Hertz.

"Do you think they are achieving it?" asks a lecture guest.

"Doesn't look like it, does it?" I reply, though such a rate is said to effect 25 to 30% of our population -- those with a low level of emotional control. Here's a good example of it from the Sunday "Oregonian", July 24, 1983, clipped from the paper in Portland when I was attending the U.S. Psychotronics Association Convention on the campus of the University of Portland: "New York (AP) Hundreds of marauding youths swept out of Central Park after a free concert by Diana Ross, slashing and mugging people in their path down an avenue in midtown Manhattan. The swarming youths blanketed

the area along Eighth Avenue between 59th Street, at the corner of the park, and 40th Street, site of a major bus terminal near Times Square, for nearly two hours Friday night before police were able to control them, said Gerard Kerins, assistant chief of the Manhattan North Precinct.

"They struck like lightning," Kerins said, adding he did not believe the youngsters were part of any organized gang. "They were just a bunch of kids raising hell and ripping people off." Mario Suriani said he heard 'a roar' between 8:30 and 9 p.m. and looked out his apartment window onto Eighth Avenue to see 'an entire street filled with kids running south. When anyone was in the way they would surround them and rob them. In 30 seconds I saw them overwhelm three or four people and grab things from them.'"



THE "H" FACTOR GOES THROUGH EVERYTHING

"Dont these broadcasts affect the Russian people too?" asked one of the guests.

"Yes, more than they do us in a way. Three crop failures in three years because of weather tampering or side effects -- not to mention the depressed state of most of the older people." Though Bob Beck says that the ELF frequencies of the Russians are keyed more to our 60 cycle electric house current, rather than their own 50 cycle current; nevertheless, Beck reminded his listeners at Atlanta in 1978 that the "H" factor in the magnetic wave goes through ANYTHING! He proved this to Dr. Andrija Puharich's satisfaction at Doc's home in Ossining, New York before it was burned down by government agents. Puharich had a sophisticated Faraday cage there, designed to filter out all electro-magnetic waves, but certain ELF frequencies came through into the cage.

"Is our government taking any countermeasures against these low-frequency broadcasts?"

In his newsletter for his "Planetary Association For Clean Energy", Professor Michrowski of Ottawa, Canada had information about a counterwave transmitter being erected near Seattle, Washington. Puharich says that another one has been erected in South-Africa. At the Psychotronics Association in Golden, Colorado in 1982 he told me that eight nations are now engaged in psychic warfare, and ELF wave transmissions designed specifically to alter human consciousness are part of that Armageddon.

"Do you know who those nations are?"

"Puharich didn't say and I didn't ask. We know that Russia and the United States are, certainly. During a call from one of our Chicago Associates last fall, he mentioned that the French have identified an ELF rate of 7.22 Hertz as having a paralyzing effect on humans and that they are experimenting with ELF transmitters mounted on their tanks to beam this at the enemy."

"These waves. Are they directional so the French soldiers dont harm themselves?" observed a listener.

Here we can only speculate. Perhaps the tank crews have to wear the French version of the Ludwig Vitasette. This is a pocket-sized ELF wave generator that generates a little, local field. This entrains the wearer's aura with a protective, positive 7.8 hertz field. The Vitasette was given to German embassy personnel around the world to wear if they felt they needed it. Apparently the Russian Dr. Faustus are not particularly concerned about the effects of their broadcasts on their own people. Tom Bearden says the Russian TMTs are about 30 times as powerful as the earth's steady state field of about 8 Hertz -- though that field varies between 6.3 and 10 Hertz -- because we do live in a gigantic "variable capacitor", the earth's atmosphere, containing billions of electron-volts of energy, the "magical agent" of occult science.

EMOTIONAL CONTROL IS THE BEST PROTECTION

As far as I can tell the Russian Woodpecker waves dont bother me, with feelings of panic or a drive to riot. The best guess is that they affect 25% of the population; presumably, people who are already emotinally unstable.

When we gave this talk at the Anderson Research Center in Los Angeles in February 1983, Anderson told me of receiving a letter from a woman in Oregon who feels that the Russian broadcasts are affecting her adversely. Andy wrote back and told her it was all mental, perhaps because she had read the spate of newspaper articles on the subject. These appeared briefly in 1978 and none since.

The signal we are picking up on our DX-55 receiver is not mental! And the reactions of subjects in clinical studies of ELF wave effects on humans register on physical instruments. Eugene, Oregon is at the end of the great electrical transmission line coming from Bonneville Power Dam in Washington, 750 miles. Bob Beck says this concentrates the Woodpecker signal there and it is terrible. The Russians are experimenting with several frequencies, other than the 9.49 cycles at 5.340 Megahertz.

One of our Oregon Associates sent me this news clip from the Eugene "Register-Guard" for April 28, 1981: "CENTRAL FIGURE IN RADIO SIGNAL CONVERSY DIES. A man whose body was found in a University of Oregon building Friday has been identified as Walter Steven Deposki, who was a central figure in a controversy about a mysterious radio signal monitored in Eugene three years ago. Deposki, 51, died of natural causes, according to Lane County Medical Examiner Ed Wilson.

"His body was found Friday afternoon in Science 1, a CETA employee on campus where he worked as a clerical trainee in the psychology department since February. . . . Wilson said an autopsy indicated that Deposki was suffering from heart disease -- coronary arterial sclerosis -- and from emphysema. In 1978 Deposki complained to public agencies, to scientists -- and finally to a Register-Guard reporter -- about the strange noises and vibrations he felt and heard in his Santa Clara area home.

"An investigation, led by an industrial hygienist at the U of O, which also included engineers and physicists, documented the existence of low-level pulse frequencies that occurred sporadically, mostly during the evening hours, in Deposki's home. The tests corresponded with times when Deposki said he was feeling vibrations or hearing noises. The same radio signal was detected at five other Eugene ground locations and was monitored as an extremely strong signal at 3,000 feet above Eugene.

"At the time, Deposki said the phenomenon was causing him continuing ear problems, headaches, insomnia and a heightened level of nervousness. Nine months after the 'mysterious radio signal' was reported by the Register-Guard and made headlines in newspapers across the country, experts were unable to agree about the source of the 4.75 megahertz signal. One scientist determined that the

4.75 signal was masking the presence of a 'pulsed' signal occurring at the relatively slow rate of 10 cycles per second or hertz. . . (Quoted from BSRF No. 19-A "ELF Waves, EEG Entrainment, Psychotronic Warfare and Welfare", \$5.50 postpaid)

WE LIVE IN A VARIABLE CAPACITOR

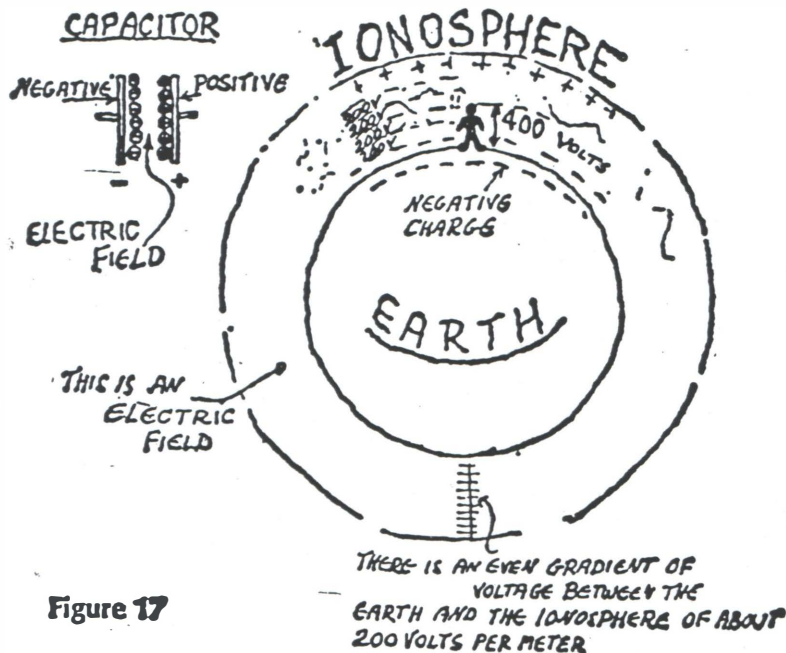


Figure 17

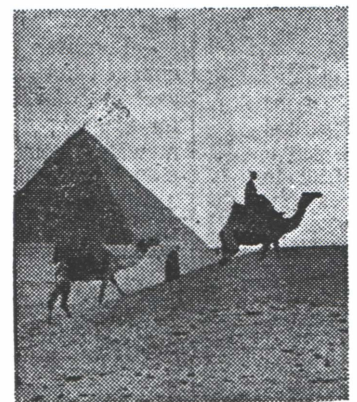
Itzhak Bentov's Delightful Illustration Of The Earth As A Capacitor, From His Book, "Stalking The Wild Pendulum".

thus the "tuning" by the Solar Wind, Zodiacal and Galactic pressures. ELF wave signals sent out by the Tesla Transmitters oscillate back and forth between these layers. This electro-magnetic field carries a tremendous charge, billions of volts of electricity, revealed constantly all over the world by lightning flashes. The voltage gradient -- as the technicians call it -- rises at about 200 volts per meter; so the difference between my feet and my head if I am six feet tall, is about 400 volts. That's a lot of energy if you know how to tap it without being electrocuted.

Confirmation that the Great Pyramid at Giza in Egypt is a generator of energy is in the fact that the voltage gradient on the pyramid rises at 500 volts per meter! Over twice the average here in the United States. Pawlicki mentions this in his book "How To Build A Flying Saucer". We'll get to him later. We have this revealing anecdote from Peter Tompkins' "The Secrets of the Great Pyramid". (Continued in the next Journal)

Back in the 1890s Nikola Tesla proved at Colorado Springs that the atmosphere of the Earth is a huge, variable capacitor. He used a large TMT (Tesla Magnifying Transmitter) to do it, 75 megawatts of power, according to Puharich. No doubt the Russian TMTs are even more powerful.

You use variable capacitors all of the time, to tune your radio and TV sets to different broadcast frequencies. One set of metal plates in the capacitor is fixed. Say they are negatively charged. The other set of plates, which move through the fixed plates when you turn the dial, are positively charged. Well, the Earth is the negative "plate" and the undersurface of the Ionosphere -- the so-called Keneally-Heviside Layer -- is the positive plate, about 40 miles up -- though that Layer can vary from 20 to 60 miles,



THE WORLD POWER GRID SYSTEM, PART IV

By Riley Hansard Crabb

In Peter Tompkins' massive tome on "Secrets Of The Great Pyramid" -- a Harper Colophon paperback, \$8.95 -- we find evidence to support the Russian claim that the great pyramid at Giza, Cairo, Egypt is the No. 1 vortex or crossing point of the world's Master Grid Lines. There is this anecdote on page 278:

"Sir W. Siemens, the British inventor, related that one day while he was standing on the summit of Cheops' pyramid an Arab guide called his attention to the fact that whenever he raised his hand with his fingers outspread an acute ringing noise was heard.

"Raising just his index, Siemens felt a distinct prickling in it. When he tried to drink from a wine bottle he had brought along he noted a slight electric shock. So Siemens moistened a newspaper and wrapped it around the bottle to convert it into a Leyden jar. It became increasingly charged with electricity by simply being held above his head.

"When sparks began to issue from the wine bottle, Siemens' Arab guides became distrustful and accused him of practicing witchcraft. One of the guides tried to seize Siemens' companion, Siemens lowered the bottle towards him and gave the Arab such a jolt that he was knocked senseless to the ground. Recovering, the guide scrambled to his feet and took off down the Pyramid, crying loudly."

Remember, the voltage gradient at the Pyramid is said to be 500 volts per meter. That's over twice the general average gradient of 200 volts per meter. Tompkins also quotes L. Turenne, a French engineer and professor of radio who "maintains that all sorts of different forms -- being combinations of different frequencies -- act as different types of resonators for energy in the cosmos. This has led to speculation that the Pyramid might be some sort of gigantic lens which is able to focus an unknown energy simply by means of its shape."

Physicists should be able to calculate the refractive index of the sloping sides of the great Pyramid at Giza, once they accept the existence of a central sun at the center of the earth. The Law of Polarity suggests that if the Sun of our Solar System is Masculine, the Sun of our Earth is Feminine and a great and hitherto unsuspected source of energy -- though known to occultists.

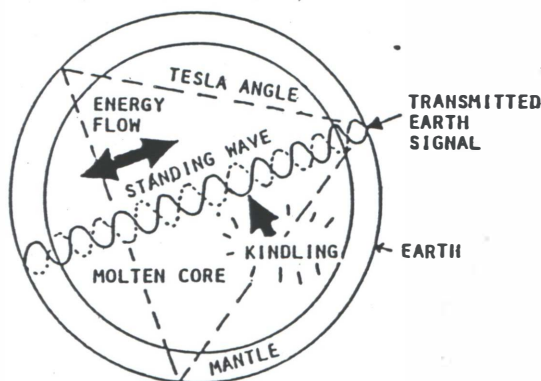
The Edgar Cayce Controls were certainly aware of this. We are reminded of this by Dr. Michael (Baran) Anteski in a paper recently sent to us: "Cayce described a crystal-refractive, energy-beam, space-flight technology in ancient Atlantis, mentioning 'use of the elevator in buildings in the earth,' which suggests some kind of intensive deep-earth activity. He related the Atlantean energy rays to a 'connection with internal influence of the earth'.

"Cayce said Atlantean space craft operated by remote control. How might this relate to our inner-earth model? Gravitonic waves travel at the same speed as light -- quantum velocity. The scenario for a remote station's control-beacon would be a deep energy field rising up through an excavation from the low-crustal level, being refracted (bent) by a large crystal at the station near the surface, and re-directed. When a UFO enters the reflected beam, it could become so energized by it as to be, in a sense, 'part' of it -- a semi-energy-quantum. By adjusting a certain crystal 'receiver' aboard the craft -- crystals have been reported by UFO contactees -- that matches the desired station's crystal, the crew could adjust their energization up or down, regulating the craft's lift and velocity accordingly. . .

EVIDENCE FOR AN INHABITABLE INNER EARTH

"The literature on this subject is enormous and a habitable inner earth is not out of the question from a scientific standpoint. Inner recesses could be illuminated by intense electromagnetism which we can show exists below the surface, and oxygen would be formed in the caverns via electrolytic hydrolysis of water vapor. The Auroras are a familiar example of spontaneous light phenomena related to intense magnetism -- convergence of the earth's magnetic fields above the poles." Dr. Anteski welcomes correspondence on his theories and can be reached at 479 North Cary St., Brockton, Mass. 02402.

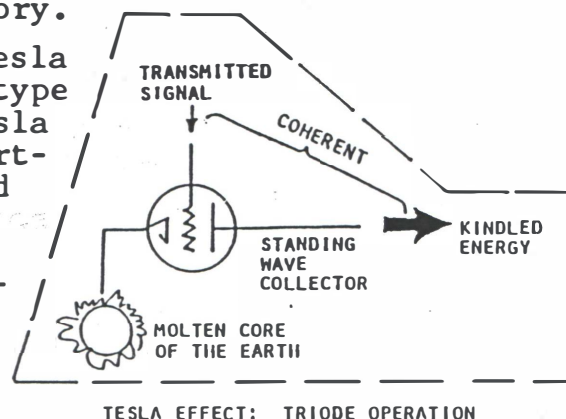
Whether we speak of a Central Sun in the earth or a "molten core" both occultist and physicist agree that there is a source of energy there, radiating waves toward the surface. In a well illustrated paper, "Tesla's Secret and the Tesla Soviet Weapons", sent to us in 1981, Tom Bearden establishes a graphic and mathematical basis for the kindling effect of the molten core and the resulting energy beams coming to the surface. He leaves little doubt that Nikola Tesla discovered this inner earth energy ninety years ago and invented many ways to put it to practical use -- most of which were suppressed by Wall Street and J.P. Morgan, Senior in the early 1900s. So it remained for the Soviets to rediscover Tesla's work after World War II and to develop tac-



TESLA EFFECT, TYPE 1

tical weapons from it, such as the standing wave of non-Hertzian energy along the Pacific coast here. Among other things it apparently deflects the jet stream way south, allowing Arctic air to move relentlessly down across the nation, producing the most violent and destructive winter in our history.

"Before the turn of the century, Tesla had discovered and was utilizing a new type of electric wave," Bearden writes. "Tesla repeatedly stated his waves were non-Hertzian, and his wireless transmissions did not fall off as the square of the distance. His discovery was apparently so fundamental -- and his intent to provide free energy to all humankind so clear -- that it was responsible for the withdrawal of his financial backing, his deliberate isolation, and the gradual removal of his name from the history books. By 1914 or so Tesla had been successfully isolated and was already nearly a 'nonperson'. Thereafter Tesla lived in nearly total seclusion, occasionally surfacing -- at his annual birthday party for members of the press -- to announce the discovery of an enormous new source of free energy, the perfection of wireless transmission of energy without losses, fireball weapons to destroy whole armies and thousands of airplanes at hundreds of miles distance, and a weapon, the Tesla Shield I've dubbed it, that could provide an impenetrable defense and thus render war obsolete."



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LTCOL Thomas E. Bearden (Ret) is a Nuclear Engineer and Director of A&ECD, 1902 Willis Road SE, Huntsville, Alabama 35801. His 25-page paper "Tesla's Secret and the Soviet Tesla Weapons" is a long needed "tearing away" of the veil which the American Establishment, MIRO, put over Tesla's monumental work for mankind.

PERSONALIZING THE TESLA FREQUENCY OR SCHUMANN RESONANCE

Interestingly enough, medical science has revealed our personal resonance with the Earth's heartbeat of 7.8 Hertz or cycles-per-second. This frequency was discovered by Tesla 60 years before the German physicist, Schumann, rediscovered it in the 1950s. How do we as individuals tie into it? By our heartbeat, how else! Itzhak Bentov describes it and illustrates it most clearly in his little paperback book, "Stalking the Wild Pendulum" -- which should be required study in every New Age organization worthy of the name!

"Each beat of the heart shakes the whole body," writes Bentov, "and the body has a typical response to this beat which is quite easily measured. Figure 13 shows what such motion looks like when measured with a sensitive, seismographlike instrument. This movement is clearly related to the heartbeat; in fact the largest peak we see in this graph is caused by the ejection of blood from the heart's left ventricle. The portion between the largest peaks looks fairly irregular and is caused by the vibration of the body

Figure 13

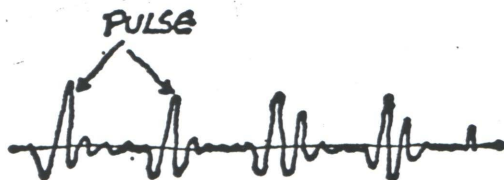


Figure 14



and is caused by the vibration of the body due to the action of the blood in the aorta, which is the largest artery in our body. This irregular portion is due to a destructive interference pattern set up in the aorta, as will be shown later.

"When we stop breathing, the irregular signal in Figure 13 turns into a nice, regular, practically sinewave pattern, Fig. 14.

This is surprising, and when we look into the reasons for this behavior, we find the heart-aorta system has become a so-called resonant system, as shown in Fig. 15, in which the length of the aorta forms one-half a wavelength of this system. By resonant system we mean that it resonates just like a tuned musical instrument.

"Here is what seems to be the case: When the left ventricle of the heart ejects blood, the aorta, being elastic, balloons out just beyond the valve, and causes a pressure pulse to travel down along the aorta, Fig. 16. When the pressure pulse reaches the bifurcation in the lower abdomen -- which is where the aorta forks in two to go into the legs -- part of the pressure pulse rebounds and starts traveling up the aorta. If in the meantime the heart ejects more blood, and new pressure pulse is travelling down, these two pressure fronts will eventually collide somewhere along the aorta and produce an interference pattern. This is reflected in the movement of the body and is the reason for the irregular pattern of body motion in Fig. 13.

SLOWING DOWN FROM BETA TO ALPHA

"However, when the breathing stops (or slows down as when in deep meditation) it looks as if some communication has been set up between the heart and the bifurcation. Some kind of a signal seems to travel from the bifurcation to the heart, saying 'hold it, hold your next pulse until the echo from the bifurcation returns to you -- only then should you eject the next quantity of blood'. When this happens, and the echo and pulse move up and down in synchrony, then such a system is said to be in resonance. It causes the body to move up and down about seven times a second, hence the nice, regular, large-amplitude

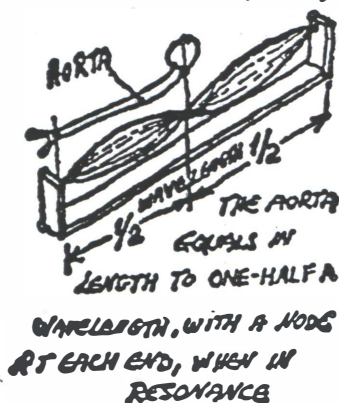


Figure 15

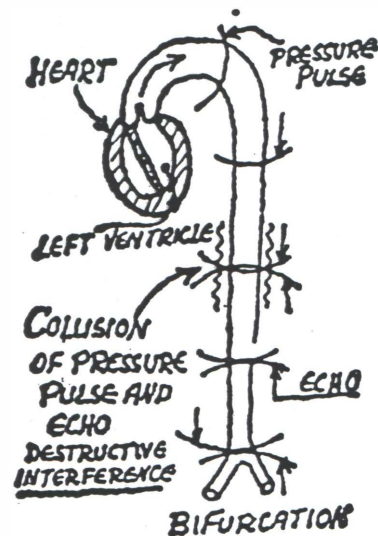


Figure 16

sine wave pattern in Fig. 14. The amplitude of this signal is about three times the average of the normal signal. Another characteristic of resonant behavior is that it requires for its maintenance a minimum amount of energy. . .

YOU AND THE EARTH, A TUNED RESONANT SYSTEM

"You recall that the resonant frequency of the earth -- ionosphere cavity -- is about 7.5 cycles per second and the micromotion of the body is about 6.8 to 7.5 Hz. This suggests a tuned resonant system. We may say now that in deep meditation the human being and the planet start resonating and transferring energy. This is occurring at a very long wavelength of about 40,000 km., or just about the perimeter of the planet. In other words, the signal from our bodies will travel around the world in about one-seventh of a second through the electrostatic field in which we are embedded. Such a long wavelength knows no obstacles, and its strength does not attenuate over large distances. Naturally, it will go through just about anything: metal, concrete, water, and the fields making up our bodies. It is the ideal medium for conveying a telepathic signal. . . "

And we might add, Itzhak Bentov, for conveying a Radionic healing rate almost instantly anywhere in the world! The Radionist does not send or broadcast energy from himself or herself to the subject a thousand miles away. The subject's witness and the indicated homeopathic remedy or balancing rate are placed on or in the little ELF wave black box, tuning it to the subject. The healing or balancing energy comes from the earth's charged field directly around the subject. No space or time are involved -- as Tom Bearden has worked out mathematically in his paper on Tesla, and in his book, "The Excalibur Briefing". Bentov's book, "Stalking the Wild Pendulum", is a Bantam paperback, \$2.95, 1977, published by Bantam Books 666 Fifth Ave., New York NY 10019.

WHY NO RIOTING IN RUSSIA?

"You say that the ELF waves go through anything and everything," reminded a listener at the Los Angeles lecture. "Is it possible that the Russian leaders consider their own people expendable? That Woodpecker rate must affect them, too."

Of course the Soviets consider their people expendable -- just as do our leaders when government policy calls for the invasion of a foreign country such as Vietnam -- or an atomic testing program with its resulting fallout of destructive nuclear radiation. There are three good reasons why the Russian people are not reacting to that riotous Woodpecker rate. First is the difference between their 50 cycle electrical system and our 60 cycle or Hertz electrical system. Bob Beck said in his talk on Psychotronic warfare that the 5.340 Megahertz carrier of the Woodpecker is a higher harmonic of our 60 Hertz rate, thus making the wiring system of every American home a re-broadcaster of the Woodpecker. Second is the universal Fluoridation of public water supplies in Russian cities. Addition of this odorless, tasteless poison, sodium fluoride, one of the dead-

liest poisons in the world, to their water weakens the will of the Russian people, makes them docile, easily suggestible. This satanic idea originated, not in Communist Russia but in Nazi Germany! In the 1930s Adolf Hitler wanted the German people to be more susceptible to his devilish oratory and the chemists of the I.G. Farbenindustrie came up with sodium fluoride, a form of chemical lobotomy to the unsuspecting. After World War II broke out with the invasion of Poland in 1939, the Russian Commisars enthusiastically adapted the idea from the German leaders.

VODKA, THE OPIATE OF THE COMMUNIST MASSES

The third reason why the Russian people seem to be comparatively unaffected by the ELF wave, Woodpecker broadcasts from Riga, Gomel and Kiev is their generous consumption of Vodka. Back in the early 1900s the Communist leader, Lenin, sneered at Eastern Catholicism as "the opiate of the people". When the Soviets got control of the nation they substituted the bottle for the Icon and the production and sale of Vodka and other alcoholic beverages is one of the most profitable industries of Russian state capitalism -- as it is in most other Eastern bloc countries.

This was revealed to us by Juri Lima, young Esthonian Flying Saucer researcher whose story is in the Sept-Oct 1982 Journal, translated by Associate Haakon Blomqvist: "How long could you keep up this activity without interference from the KGB?"

JURI: "About two or three years. Several people in our group were interested in philosophy and some had become vegetarians and teetotalers."

BLOM: "How did the KGB find you?"

JURI: "Somehow they found out there were young people gathering who didn't drink and had peculiar philosophical ideas. . . (They said) If you persist we will make it impossible for you to live here in Esthonia. Also you do not drink. This is not good. You must have religious reasons. . . "

Of course American Nazi/Fascist leaders consider us expendable too. Fluoridation of public water supplies is a fact in many cities. Consumption of huge quantities of liquor is a fact; but the facts of the surveillance of the planet by advanced beings from outer space are suppressed, as are the details of the World Power Grid System which we discuss here, and of the fact that UFOs navigate along those Grid lines -- as Capt. Bruce Cathie discovered back in the 1960s -- and French researcher Aimee Michel in the 1950s.

Since that brief flurry of news stories in 1978, there have been no articles in the Los Angeles "Times" about the psychotronic warfare raging between the United States and Russia, no hint by the government or anyone in authority that the devastating winter of 1983-84 is the result of weather manipulation from Russia, from those huge Tesla Magnifying Transmitters. (To be continued)

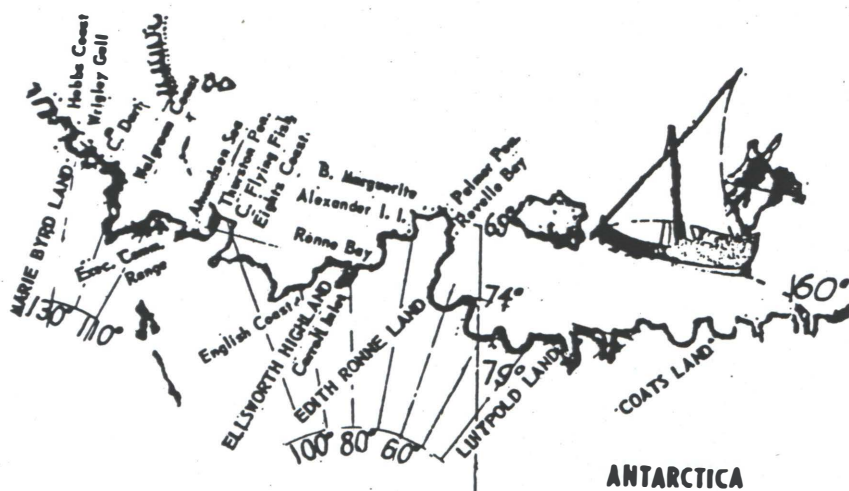
THE WORLD POWER GRID SYSTEM, PART V

By Riley Hansard Crabb

Rainbow City, the one unfrozen Atlantean metropolis in the Antarctic, myth or reality? When Ashtar told Trevor James Constable in 1956 that such an Antarctic Flying Saucer base existed, the implication was that it had been "in being" since before the Flood -- that is, since before the Polar Flip of 9564 B.C. which had wiped out most of the Atlantean empire.

At the same time, on the other side of the United States, Capt. Arlington H. Mallery was poring over the Piri Reis maps from the 16th Century. These maps showed with astounding accuracy the outlines of the Antarctic continent before it became covered with ice! In modern times the Antarctic continent wasn't discovered until 1818, but the Reis charts are only copies of earlier charts developed from a grid system and aerial photos by an advanced civilization whose existence can only be guessed at by the orthodox and the uninformed. This proves how thoroughly the Creator can wipe out a civilization once it has made its contribution to evolution, and its course toward ultimate evil must be stopped, either by fire or by water. Knowledge of the Grid system and the power it confers was preserved only in certain priesthoods and secret societies.

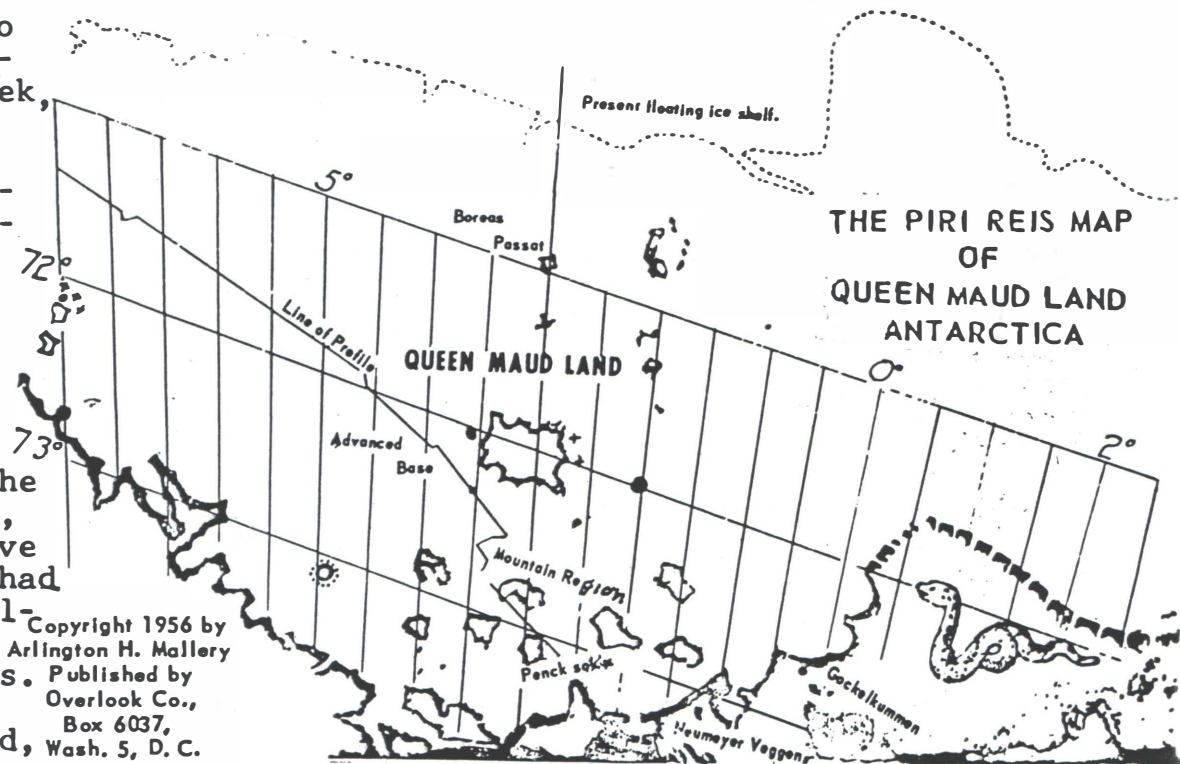
THE PIRI REIS MAP OF THE PACIFIC & ATLANTIC COAST OF ANTARCTICA



When Osiris fled the last of the great Atlantean civilizations, long before it's sinking in 9564 B.C., this was part of the tradition he brought with him when he settled down at Abydos on the Nile with a group of his initiate students. Plato taught the Grid system at his Academy in Athens. Did he learn it directly from Egyptian priests? Or from his own mentor, Pythagoras, who took Egyptian initiations? Did these educated Greek initiates also have maps of the antediluvian world, part of the Western Mystery Tradition, carefully passed on to each generation of student initiates? It

would seem so and that Columbus, a Greek, was one of them; for we have this interesting observation by Matthew Warren: "Piri Reis, a distinguished geographer and Turkish admiral of the 16th Century, had as a slave a pilot who had been with Columbus on three voyages. The pilot, when captured, had with him a

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map used by Columbus. Using this map and eight other Greek maps which had been handed down from the time of Alexander the Great, Piri Reis compiled a world map. This 1513 map of the Atlantic ocean is only one of the Piri Reis maps found, as yet." The time was August 26, 1956, the place Georgetown University, Washington, D.C., the 510th broadcast of the Georgetown University Radio Forum. Warren was interviewing Arlington Mallery, map expert, Rev. Daniel Linehan, seismologist and M.I. Walters, cartographer.

The Admiral's full name was Piri Ibn Haji Memmed but he was actually a Greek Catholic by birth who took up piracy as a career, and did so well at it that the Turks finally made him governor of Egypt. Of course he made enemies along the way and they finally did him in. He was beheaded in 1554 A.D.

Warren: "Mr. Walters, you say that these Piri Reis maps have been checked by the United States Navy Hydrographic Office?"

Walters: "Yes."

Warren: "As far as you are concerned they are accurate?"

Walters: "Yes."

Warren: "How old are these maps?"

Walters: "These maps go back 5000 years and even earlier. But they contain data that go back many thousands of years before that. . . We have taken the old Piri Reis charts and the new charts that the Hydrographic Office produces today and made comparisons of salient peaks and mountains. We have found them to be in astounding agreement.

In this way we have checked the old work very closely. We put very much confidence in what Captain Mallery has disclosed.

Warren: "Mr. Mallery, this must then lead to the conclusion that there were competent explorers and map makers along the coasts of the Atlantic long before Columbus."

BEFORE THE POLAR FLIP OF 9564 B.C.

Mallery: Several thousand years before. Not only explorers but they must also have had a very competent and far-flung hydrographic organization because you cannot map as large a continent as Antarctica, as they apparently have -- half of it -- or as extensive an area as Greenland, or half the continent of North America, as we know they did do -- probably five thousand years ago. It can't be done by an single individual or small group of explorers. It means an aggregation of skilled scientists who are familiar with astronomy as well as methods required for topographic surveying. . . I would not have been able to solve this projection if it had not been for the fact that we found the map of North America that showed so many points in latitude and longitude correctly, as we could judge by our present maps, that I was able to compute the method which they used to draw their grid on which their chart was plotted. A grid is formed by the latitude and longitude lines together -- and on which a map can be read. These lines alone make it possible.

"This projection, as we call it, is entirely different from anything used in modern cartography. It was probably the forerunner of our present Mercator charts, a straight-line drawing, and like the Mercator was used exclusively for navigational purposes."

Warren: "Father Linehan, have you found any seismic studies -- or by these studies any areas in Antarctica -- which agree with these maps?"

Linehan: "Actually, my own seismic studies were not on any long, extended area. Most of my work was of an engineering aspect for the U.S. Navy in locating on various bases as to whether the ice was thick enough to establish a camp. John Viers of the Norwegian-Swedish-British Expedition ran quite a seismic line in Queen Maud Land and that seismic line agrees very well, extremely well with the maps that Captain Mallery is speaking about. He shows that even though the ice surface itself may rise as much as 3000 feet above sea level, below that ice you have land masses, and we believe rock -- almost bare rock. . . We feel that the seismic data done most extensively by Jon Viers proves these ancient maps without any doubt for this one area alone around the Weddell Sea and the Queen Maud Land area."

Warren: "Mr. Mallery, other than the startling fact that there were map makers 5000 years ago, what does this mean to scientists today?"

Mallery: "In the map of Queen Maude Land, the map indicates that the glacier had just begun to appear at the middle of Queen Maud Land, but the bay on the map that Columbus had was still entirely uncovered. Now only the peaks of the mountains that were on the island show above

the ice. The ice has added about a mile at least since that map was made."

At right is our simple chart of the U. S. Navy's seismic soundings at the South Pole in 1957, a year after the Captain Mallery interview, and reproduced from our talk "Flying Saucers and America's Destiny". "Through radio-carbon and ionium testing of the age of the ice it was found that the 10,000 foot plateau at the Pole is about 10,000 years old!" So there is support for Ashtar's statement to Trevor James Constable -- also in 1957 -- that the continent contained a civilization before it became locked in ice.

Warren: "Where were these Piri Reis maps before you discovered them?"

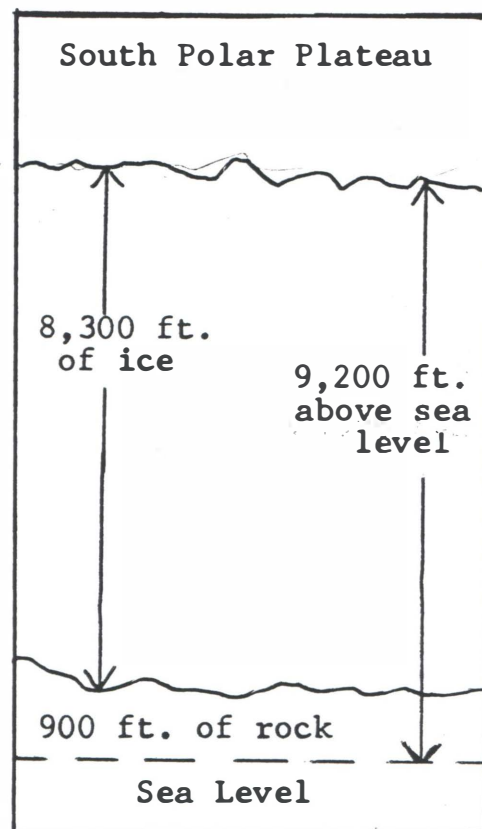
Mallery: "In the Library of Congress."

Warren: "This is interesting. Why is it that no one had discovered these before?"

Mallery: "They had been discovered. But no one could read them! It just happened that Mr. Walters and I, in our search for old maps, uncovered that ancient map of North America which was brought to Iceland in 1568 by Father Thorsden. who was a parish priest in Staden, Iceland. It was deposited, I presume, in the Cathedral in Iceland and somehow it got over to this country. No one paid any attention to it, however, until we finally, after checking over these ancient maps, happened to notice one day that it had marked upon it an old Icelandic name for glacier, and also another Icelandic name for lava fields. So I took it over to Dr. Capps of the Geological Survey and from there we were able to go to town on the maps because we had the projection." . .

Warren: "Tell us a bit more of the maps, if you will, Mr. Mallery."

Mallery: "The important thing about these maps is that they bring home to us the fact that the oldest human records we have, and which are absolutely authentic, are the navigation charts. A land map can be almost anything. If your map is wrong you can go over to the nearest gasoline station and inquire the way. But if you are on a ship and the map is wrong, why, the captain usually goes down with the ship. That is the rule of the sea. That is what we have found with these ancient maps -- they are maps that have survived for thousands of years and have been preserved only because they have been accurate. . . About three years ago the Chief Engineer of the Hydrographic Office handed me a copy of a map which had been sent to him by a Turkish Naval officer. He suggested that I examine it

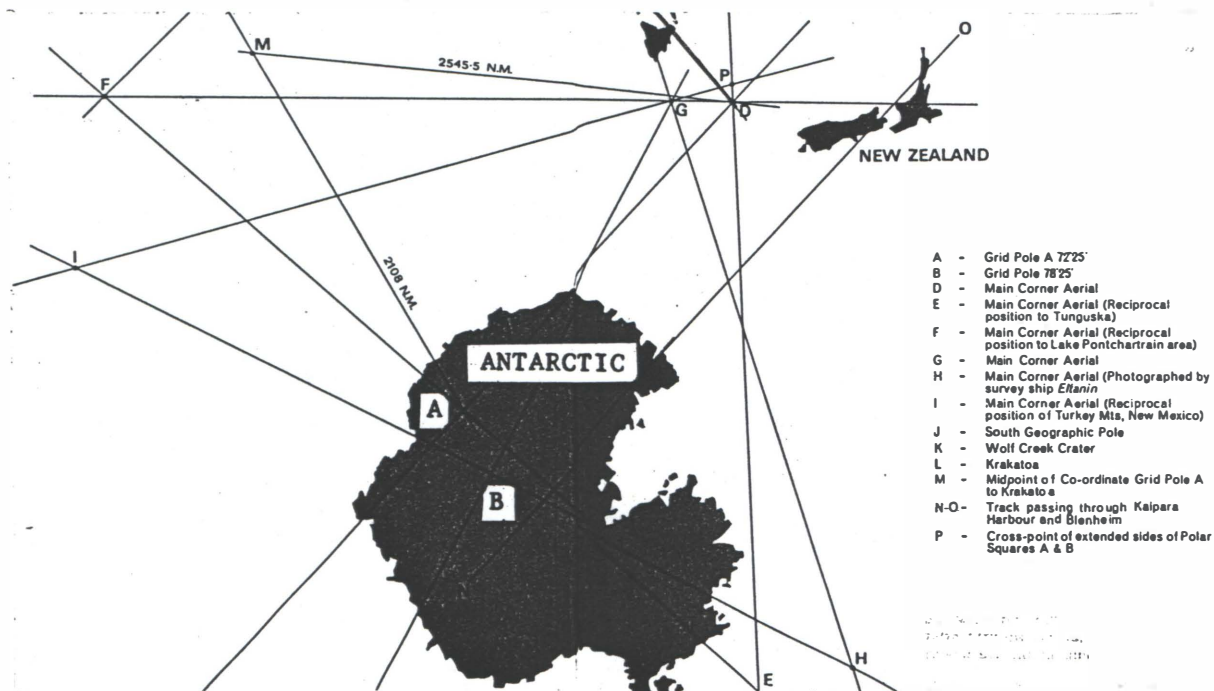


in the light of the information we already had on the ancient maps. After making the analysis of it, I took it back to him and requested that the Office check both the latitude and longitude and the projection. When they asked why, I said 'There is something in this map that no one is going to believe coming from me, and I don't know whether they will believe it coming from you.' That was the fact that Columbus had with him a map that showed accurately the Palmer Peninsula in the Antarctic Continent. Here is a copy of two-thirds of that map, which shows that Columbus had with him a map of Yucatan, Guatemala, all of South America to the Strait of Magellan and a substantial part of the coast of Antarctica."

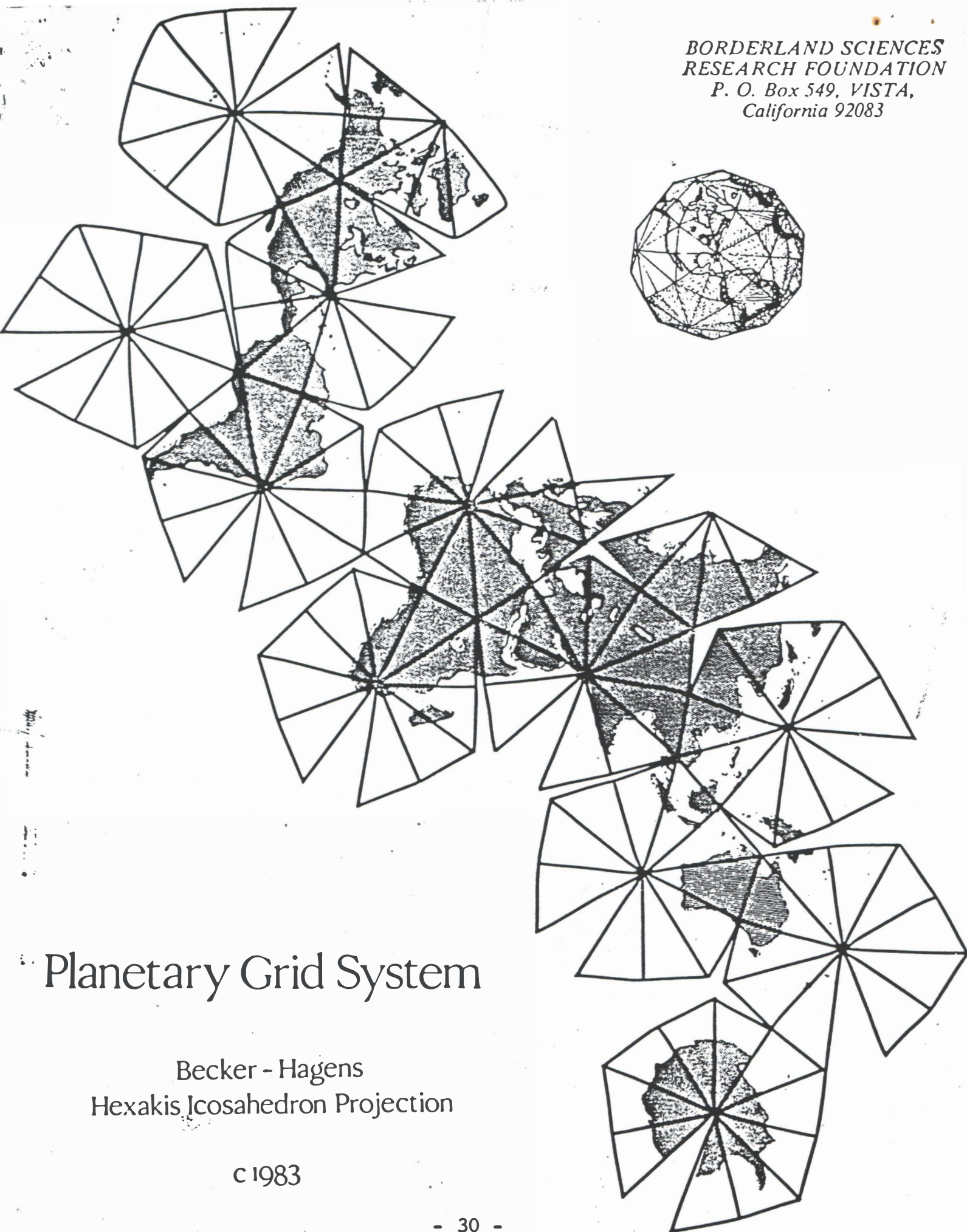
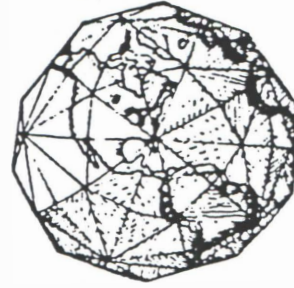
Warren: "How could they have been so accurate so many thousands of years ago when we are just now -- or just recently -- coming to know the modern methods of mapping. How is it possible?"

Mallery: "That is a problem we have puzzled over, too. We don't understand how they could have been so accurate. . . you will probably recall the tradition that the Greeks and the airplane -- maybe they had the airplane. But the fact is they did it. They knew their longitude absolutely correctly! This is something we did not know ourselves until about two centuries ago. . . "

Not the Greeks, Captain Mallery, the Poseidians of the last great Atlantean civilization of over 11,600 years ago, Poseid. Below we have reproduced part of the end paper of Capt. Cathie's book, "Harmonic 33", showing his Grid lines leading from Australia and New Zealand to the Antarctic continent. It is our guess that he has pinpointed the location of Rainbow City where his Grid lines cross at either A or B. (To be continued in the next Journal)



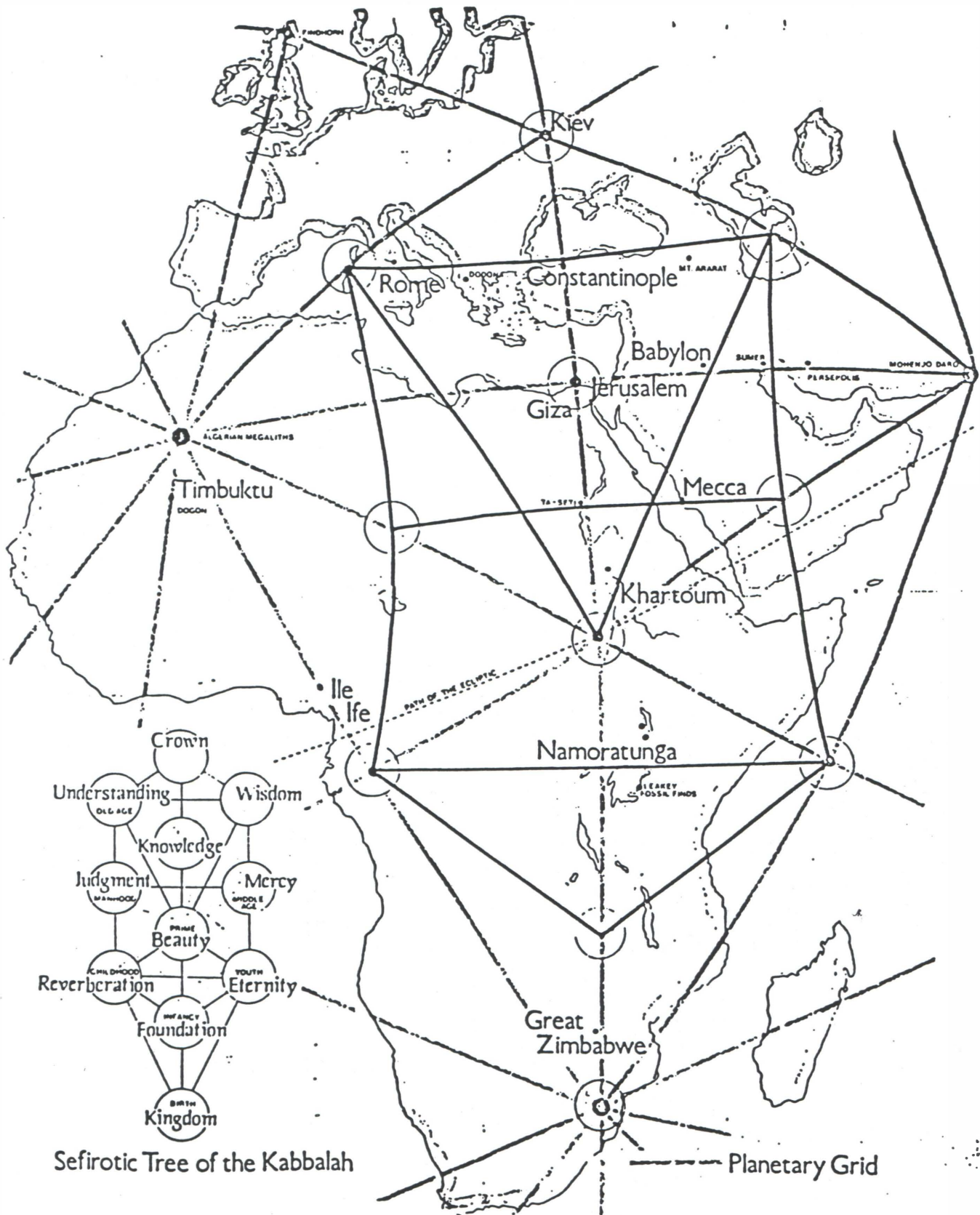
BORDERLAND SCIENCES
RESEARCH FOUNDATION
P. O. Box 549, VISTA,
California 92083



Planetary Grid System

Becker - Hagens
Hexakis Icosahedron Projection

c 1983



21 December 1983

With wishes for your increased "gridding". . . .
as in gridding your teeth!

Chris Bird, December 1983

And with that sobering thought, we'd like to take this opportunity to send you season's griddings and our first "annual report", to wit:

- *Who we are
- *How we got started, and hope to keep going
- *Our grid and the hexakis icosahedron map projection
- *Grid interpretations and coincidences
 - Precedents for the "orienting line"
 - Subduction, expansion, and stability points
 - Ivan Sanderson and "the Brotherhood"
 - The cartography of Marie Tharp
 - Global seismic activity
 - The Lemurian Fellowship map of Mu
- *Speculative leaps
 - R. Buckminster Fuller's spherical geometry of electromagnetism
 - KAL 902 and KAL 007
 - Metaphors of man in an African pilgrimage?
- *Future plans
- *Helpful people and publications
- *Attachments
 - Planetary Grid System map (with point coordinates)
 - "Planetary Grid," an article by Chris Bird originally published in New Age Journal #5, May 1975.
 - Sefirotic Tree of the Kaballah/Planetary Grid map
 - Announcement for the 10th Annual Third World Conference

Again, this is our first report, on our first year of study, and we ask your patience and advice as you read on. Our research thus far, really the processes of networking and sharing that have enabled us to get anywhere at all, have convinced us that the planetary grid is at least a framework for peaceful global communication and planning. It is a unifying grid, we believe, that provides a stark spiritual and practical alternative to the conventionally accepted world grid of competitive and divisive nationalism. It is in this spirit that we are sending out our embryonic ideas. We hope that our continuing mutual processes of discovery will support other activities that further peace and understanding among the people and nations of the world.

We would like to thank the following people whose writings or conversations have been particularly helpful to us: Christopher Bird, Mary BoyaJean, Bruce Cathie, Richard Clark, Donald Cyr, A.M. Davie, Buckminster Fuller, Jeffrey Goodman, Toby Grotz, Robert Gulick, Michael Heleus, Robert Hertz, John Hockett, Jalandris (Joe Jochmans), Ken MacNeill, John Michell, Diethard Radziwill, Deane H. Russell, John Sinkiewicz, Moira Timms, Ivan Van Sertima, Robert Warth, John W. White, Tim Wilhelm, and Edwin Wright.

We also acknowledge the more than fifty students in Environmental Planning, Nursing, Business, and Intercultural Studies at Governors State University who remain mostly nameless in this report but were the day-to-day shamans and critics in our work. Finally, thank you Russian researchers Nickolai Goncharov, Vyacheslav Morozov, and Valery Makarov

Who we are

When we designed our stionery and began our active process of network inquiry, we hoped that the artistic and graphic quality of our communication would lend an "appropriate academic tone" to what might otherwise be classified as "lunatic fringe." We are, in fact, an anthropologist (Bethe Hagens) and an industrial designer (Bill Becker) who share a number of skills in each other's specialty. Both of us do a great deal of work in graphic and product design (including a solar/fireless cooking system; commercial solar greenhouse; and a now defunct newspaper on appropriate technology, Acorn) along with our regular teaching positions, Bethe at Governors State University and Bill at the University of Illinois, Chicago.

The grid project developed serendipitously as we lay in bed one night (we're also married) reading Moira Timms' book Prophecies and Predictions and found a picture of the so-called Russian grid that Chris Bird had described 10 years earlier in New Age Journal. We were looking for a project that would not only be challenging and of real importance, but for a framework that would integrate the knowledge and insights of our many diverse friends throughout academia and the business world. Both anthropology and industrial design demand a certain eclecticism, and we felt the planetary grid framework would allow us to draw from such fields as religion and philosophy, archaeology, astronomy, chemistry, earth sciences, political science, international relations, linguistics, history, geometry, music video art, computer sciences, energy physics, environmental planning as well as the real lunatic fringe core (UFology, cabalism, shamanism, pyramidology, psychotronics. . .) that has always inspired us.

Governors State, a fully accredited state university about thirty miles south of Chicago, is an ideal kind of institution within which to carry out this type of research. It is young, only thirteen years old, and relatively experimental and unentrenched in its approach to learning. After a sixteen-week summer semester in which some twenty students undertook mapping and historical research to verify most of the findings in the enclosed article by Chris Bird, we felt confident that the project had generated sufficient interest and enthusiasm to continue in a more systematic fashion. Fortunately, the Division Chairman in Intercultural Studies agreed and has authorized our expenditures for mailing and printing.

How we got started, and hope to keep going

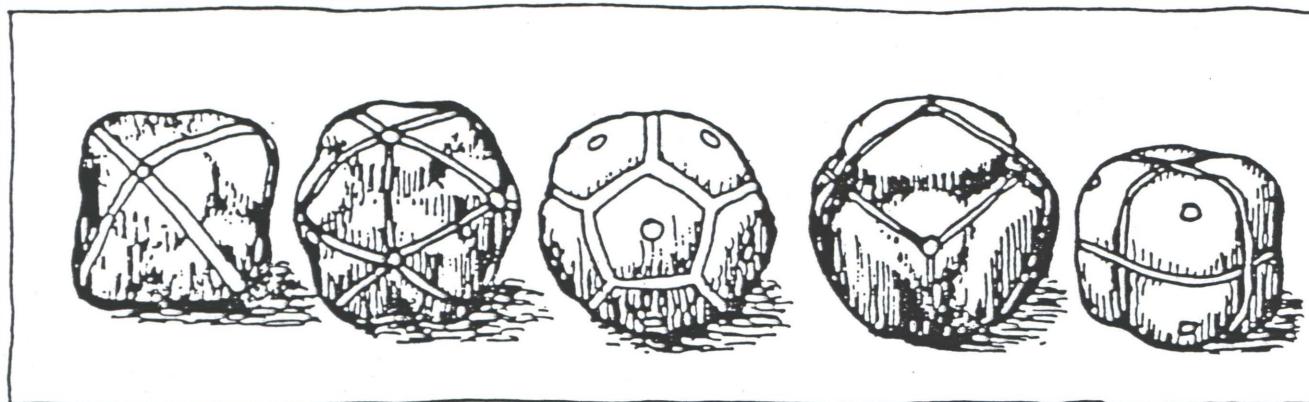
In the fall semester, Mary BoyaJean, a research assistant in the Intercultural Studies Division, joined our exploration and began developing a list of people she felt might be interested in the project. Many of you will have received Mary's introductory letter and can appreciate the many tedious hours she has spent on the mechanics of information distribution, not to mention her own work in cartography of the South Pacific Ocean. As we began to develop our own twist to grid theory, Mary procured maps and world globes and prepared essential tools for our students by adding grid lines to them. Today, visitors walking through our classrooms are amused to find students sitting globe-in-hand points out grid coincidences to each other. We hope someday to develop a kind of snap-together grid for globes of conventional size. Simply as an instructional aid, the gridded globe has helped "that 70% of the adult population who doesn't know where Miami is" to talk about world affairs and resources with real geographical confidence.

Many people we initially contacted have asked where we got their names. The largest list was given to us by Tim Wilhelm, a scientist working with the Stelle Group in Illinois. Apparently, a networker in a silver van stopped by the community one day carrying a list of people and groups around the world working on earth energies. There were about 130 names, and we wrote to all of them. Perhaps twenty letters

were returned marked "gone away." Other names were obtained from international directories of university programs or as references from people who began to write and call after our introductory letter was sent out. We hope to continue making contacts in this way, maintaining an unfunded umbrella project within which we can propose and undertake funded research in specific topics that might contribute to the understanding of the grid system.

Our grid and the hexakis icosahedron projection

Without fully understanding the concept of the earth crystal that has been presented by many grid writers (the Russians, John Sinkiewicz, and Michael Heleus in particular), we felt that a tangible model might help to clarify our thinking. Bill had studied for some time with Buckminster Fuller and was aware of his physical model that actually combines the two figures most commonly discussed in grid geometries--the dodecahedron and icosahedron (as well as the three other Platonic solids). This new figure is the hexakis icosahedron, depicted on the cover of our report as the crystalline earth.



These figures, commonly referred to as the Platonic solids, are actually ancient human symbols. This drawing, adapted from a photograph in Time Stands Still by Keith Critchlow, depicts the octahedron, cube, dodecahedron, icosahedron, and tetrahedron as carved in stone 1000 years before Plato!

Using some basic spherical geometry, we constructed a cardboard model of the crystal earth (and later derived our point locations). The flat map representation of the grid on our report's cover shows how we did it. The twelve "Pac-Man pentagons" are each composed of ten triangles or facets of the crystal. The angles of each triangle are $32^{\circ}46'$, $88^{\circ}59'$, and $58^{\circ}14'$. By closing Pac-Man's mouth with tape, first making a fold along each grid line, the pentagons can then be joined together to form the crystal. We are hopeful of actually manufacturing this as an educational toy.

In any event, our other intent was to create a flat grid map that would be readable by a Mercator-literate audience. We were amazed to find how well the pentagons were suited to a fairly conventional, proportionally accurate representation of continents. Many will be familiar with Buckminster Fuller's attempts to achieve mapping accuracy with icosahedral projections and perhaps have encountered the problems of orientation brought about by a polar perspective.

The major difference in our rendering of the grid is the addition of lines connecting the five corners of each pentagon with their centers. These are lines that appeared as crystal edges on our model. We feel that there are three advantages to this alteration. First, a "basic triangle" emerges; there are ten to a pentagon. Each measures almost precisely 1400 by 2200 by 2600 miles, a numerologically interesting

7-11-13 proportion. Strictly in terms of mapping, the simplicity of these numbers makes it very easy to calculate distances on the earth and lends itself to a variety of practical applications. Second, the addition of the lines enables us to think of the grid itself as a set of 52 intersections of 15 great circles or equators. This seems significant in terms of current theories of the ultimately circular path of light/energy. Finally, it allows us to rephrase grid intersections as junctions of 2, 3, or 5 great circles.

Grid interpretations and coincidences

There is no small controversy regarding the placement of the grid upon the earth, and we finally decided to follow the Russian lead (with a nod of respect to John Sinkiewicz who has proposed another arguable theory). Our decision is based largely upon what might be called the "orienting line," that great circle running through the great pyramid and the north and south poles. Several articles, including an excellent introduction to the geometry of plate tectonics by Athelstan Spilhaus, the respected mathematician, suggest that Africa is the most stable continent, moving only directly north as opposed to the other continents--those in the western hemisphere drifting apart, those in the eastern hemisphere together. If one proceeds along the orienting line, from the great pyramid south, one travels the line denoted by historians as the division between East and West. The great pyramid itself is built as close as possible, at least from a contemporary engineering standpoint, to the point labelled "1" on our map. (We have adopted the Russian numbering system.) The pyramid is located at a position sufficiently far from the Nile delta to insure a stable soil base for a structure of its immense size. On the line, at the Egypt/Sudan border, we find the historic Qustul tombs that mark the home of the Ta-Seti, an ancient kingdom that had developed all the symbols of the Egyptian dynasties fully twelve generations beforehand. At grid point 21, we find one of two sports on the earth where the path of the ecliptic crosses a grid point. (The other is on the same great circle on the other side of the earth at point 31, Caroline Island in the Marquesas.) Point 21 is very near Khartoum, with all its significance for intercultural contact and barter, and the confluence of the Blue and White Nile. As we proceed further south, we pass through the Namoratunga stone structures, areas of Leakey's investigation and digging for early man, the Great Zimbabwe stonehenge (outlined in great detail in Ivan Van Sertima's Blacks in Science), South African gold mines, and on to Antarctica.

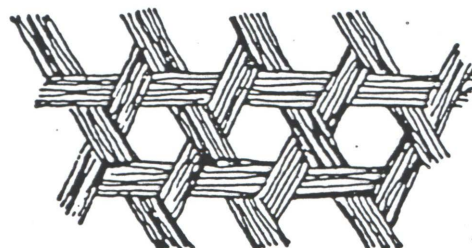
Continuing around the globe, it is startling to find the line running over Pacific Ocean and virtually no land with the exception of Alaska. Coming over the north pole, the line runs down the traditional division between Europe and Asia; through Kiev, and ancient terminus for religious pilgrimages; through Istanbul (ancient Constantinople); and back again to the pyramid. We hope to find a proportional relationship between amounts of land and water crossed by the "orienting line" that applies to the earth as a whole.

On the enclosed Planetary Grid System map, we have proposed points (great circle intersections) to be classified "subduction," "expansion," and "stability." These may be the wrong words, but are an attempt to link phenomena by types of points with which they may also be coincident. The subduction points, at intersections of 5 great circles, are those commonly associated with magnetic and "time warp" phenomena. Some of the literature on plate tectonics suggests that these may be areas where the earth's crust is being pulled back down into its core for replenishment and renewal. A 1981 Russian article we are in the process of translating appears to make this point, and the potential of cyclical crust-core exchanges of this sort have been published in U.S. periodicals such as Science Digest. Those points we label expansion, the intersections of 3 great circles, appear to be reciprocals of

the subduction zones--places where new crust is born and thrust out volcanically. The third type of intersection, that of 2 great circles, is labelled "stability" primarily for lack of a better term and because the great pyramid is located at such a junction. If we have calculated correctly, there may be another force at work at this type of point. The diamond shape formed (say) around the great pyramid by points 20, 2, 12 and 21 is bisected by the orienting line. This creates two triangles, each of which is a spherical representation of the side of the great pyramid. And that structure is located at the midpoint of the two baselines! Given the immense religious, political, military, economic, and intellectual significance of this central area throughout history, we are intrigued. It is interesting that point 11, the site of Findhorn, is a similar junction with the British Isles in a stability zone--possibly significant in terms of henges and leys.

The points we label "subduction" have received their share of attention elsewhere. It is worth noting that the late, respected naturalist Ivan Sanderson identified ten of these points as associated with significant anomalies including mysterious lights, disappearances, and other phenomena that have been interpreted as UFOs, underwater inhabitants of earth, and time warps. (Those familiar with the infamous Philadelphia Experiment--in which an entire ship and its crew may have been instantly transported from Philadelphia Harbor to Norfolk, Virginia, and back--will be amused to find that the two locations fall on a single grid line just north of point 18, center of the Bermuda Triangle.) Another reference to these points is made in another context, quite apart from grid theory, in a book entitled The Keys of Enoch. Virtually these same 12 points are represented as "natural time warp contact areas for the Brotherhood." On a more physical level, it is notable that half of these points are in oceans, the other half on land very near the edges of continents. (One is tempted metaphysically to suggest that these points represent the twelve spirits each soul is said to travel with when not carnate, half female and half male, the thirteenth being the asexual guide--or center of the earth.) The distribution of subduction points may also provide some confirmation of the Piri Reis map, if only because it depicts Antarctica as more or less a large land mass with a large arm-like appendage. Antarctica is commonly misrepresented (as it is currently on our map, too) as a single land area. In fact, point 62 falls on an inland coast!

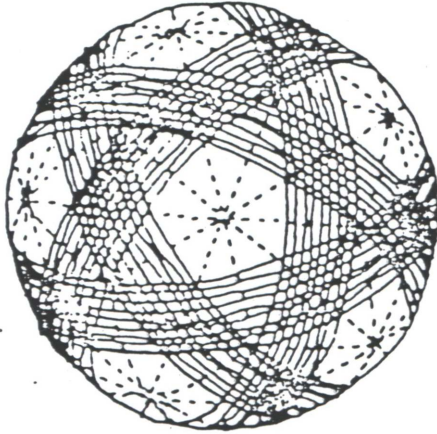
An unexpected correlation also occurred when we placed the grid on the exquisite ocean-based "Seismicity of the Earth 1960-1980" map produced by Marie Tharp and Wilbur Rinehart. Particularly significant in one respect is the representation of the topography of the Pacific Ocean floor. It is virtually correspondent to a map published over the past years by the Lemurian Fellowship to describe the continent of Mu, with ocean ridges, trenches, and basins in almost identical locations. The Fellowship's outline of Mu corresponds almost exactly to the figure that could be drawn by connecting points 43, 54, 55, 56, 47, 33, 17, 8, 7, 6, 14, 27, and back to 43. If this were done, the subduction points would again fall on coasts, with the exception of Hawaii (point 16)--and this point falls at what appears to be an enormous shear. Even popular tectonic theory connects the western half of the United States (the connection of points 17, 8 and 7 forms a dividing line) with the Pacific Plate rather than the North American Shield, as one might expect. With Mary BoyaJean, we noticed that seismic activity tends to avoid subduction points, instead nearly circles them but does not fall on them. On the other hand, Atlantic Ocean expansion points and those in the south Pacific-Atlantic-Indian oceans seem to fall on or very close to fracture seams.



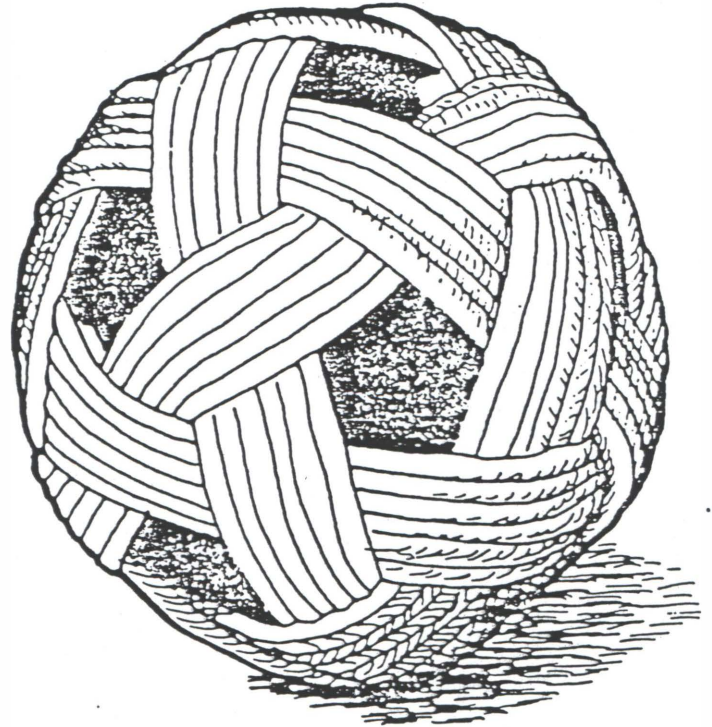
Detail of Southeast Asian basket-woven reed sphere (adapted from R. B. Fuller, Synergetics 2)

Speculative leaps (or the "We've already got tenure" approach)

It is more and more evident as the days and weeks go by since the death of R. Buckminster Fuller that we have lost a remarkable mind who loved the mysteries and potential of the earth and its spirits. Bill, who had known him for years, was unaware of his studies of electromagnetism until just a few weeks ago when he chanced upon a section in Synergetics 2 illustrated with the drawings below.



Fuller's electro-magnetic band widths of frequency tunability



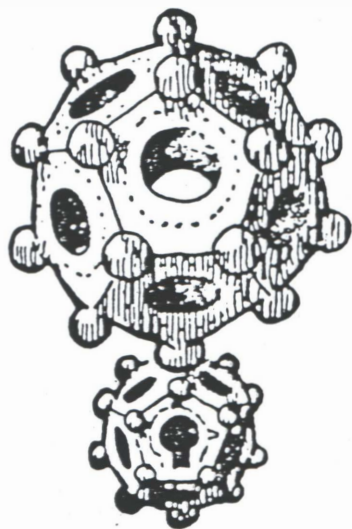
Southeast Asian reed sphere

And while we really don't want to release half-baked theory that will contribute to what our friend Michael Marien (editor of Futures Survey) refers to as "infoglut," it seems important to at least pass on the visual cues to researchers farther down the track than we are and better able to understand their significance. It would appear that the reed sphere is a folk representation, possibly from ancient times, of energy concepts no longer known but rediscovered by Fuller as tunable electromagnetic band widths synonymous with the great circles of the grid. In fact, the points can conceivably be interpreted as nodes for transmission, amplification, and separation of energy and communication around the earth.

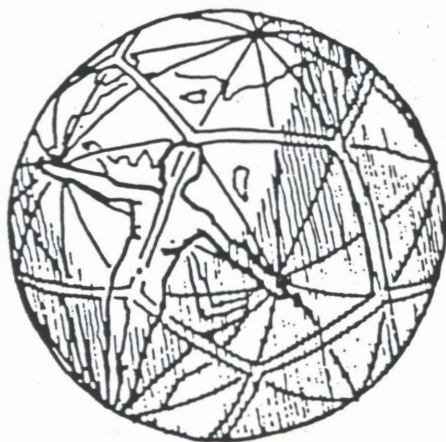


Possibly related to natural or artificial activation of the grid at these points of tunability are the two recent human disasters involving KAL airliners. The diagram to the left, modified from an illustration in the May 1, 1978 issue of Time Magazine, shows the intended and actual paths of the two KAL planes, flight 902 and 007, shot down by the Soviet military in 1978 and 1983.

It is, of course, impossible to know what actually happened in either incident. A possible interpretation is grid-related, however. A cursory glance at the diagram shows that both planes were scheduled for the same air route once they reached Anchorage. For KAL 902, point 11 (Findhorn) is significant; for KAL 007, point 6 (the Aleutians) is significant. Both points lie in the same pentagon, on the same great circle. At some relatively short, but undocumentable point in time after the planes crossed these points, they reported instrumentation problems--or information that would indicate instrument malfunctioning. The KAL 902 pilot reported disorientation and compass failures. Prior to his demise, the pilot of KAL 007 reported his position as 180 miles south of Hokkaido when in fact radar showed him to be 180 miles north. The popular press reported the "180° alteration in route" of flight 902. The actual flights of the two planes (as nearly as we can reconstruct them) show an increasingly severe deviation to circular motion after passing the grid points. One could speculate endlessly on such matters.



The drawing to the left, adapted from the 1981 Russian article mentioned previously, provides the entree into our final speculation. This is the gold figure found in Vietnam that is mentioned in Bird's first article. A Vietnamese War veteran immediately recognized the object as a Taoist symbol depicting the religious text Tao Teh Ching. The thirty "horns" (stability points?) represent spokes; the 11 holes and 1 keyhole (subduction points?) symbolize unity and the keyway of life. An alternate interpretation he had heard was that the thirty horns were acupuncture points used to control man's pain, a base belief in the Taoist religion.



This connection of philosophy, body, and earth was particularly inspiring to us and led to the large map we have sent. After these months of gridding, based on years of thinking, we came to accept the possibility that the ancient people who used the megaliths, tuned to the stars, and had perhaps discovered the energies which permit the separation of mind and body, had also not distinguished themselves from the earth as we do. Perhaps they had literally accepted themselves as part of the living body of the earth. If this were possible, then geometry (literally, earth measure) would also be the measure of man. Then sacred diagrams--such as the Sefirotic Tree of the Kaballah which are generally considered to be paths of spirit that can be incorporated in architecture (e.g. the sacred temples of Keith Critchlow and Bob Gulick)--might also be paths of the earth. Pilgrimage routes. Paths of spiritual, intellectual, and physical rejuvenation. . . simplified, by absolutely clear maps of a real, physical journey for people used to spiritual endeavor and somewhat out of tune with the joys of a body. To this end, we have produced our map of Africa. The proportions of grid, Sacred Tree, and man superimposed on the grid have not been altered from traditional geometric renderings.

Future plans

We hope to discover more maps that are measures of man, and we will look next at South Pacific navigational stick charts

used by the native islanders; the Seven Arrows of the American Indian; and the tchuringas of the Australian aborigines.

We intend to submit an improved version of this report for publication consideration to Pursuit, Journal of the Society for the Investigation of the Unexplained. We welcome suggestions, criticisms and addenda.

Finally, in our effort to increase scholarship and knowledge of the grid system, we want to sponsor a two-session symposium at the 10th Annual Third World Conference. An announcement is enclosed for your information. We would like to focus one session on the implications of the African map we've sent you, and we'll have as our guest Professor Ivan Van Sertima. The other session would be devoted to grid theories and systems. We are seeking your help in identifying people you believe would be valuable to this symposium, for we do have some money available to bring in speakers.* If there is sufficient interest, we will try to arrange for local housing for grid researchers who might want to attend. Our option is to divide our money (about \$2000) among a number of people, or use it to bring one or two international researchers (such as Bruce Cathie?). We need your ideas. Let us know what you think.

*Don't be shy about nominating yourself, but give us a minimum honorarium acceptable.

Helpful people and publications

Moira Timms, Prophecies and Predictions: Everyone's Guide to the Coming Changes, Orenda/Unity Press, 1980 ISBN 0-913300-55-1.

Ivan Van Sertima, editor, Blacks in Science, Transaction Books, 1983 ISBN 0-87855-941-8.

Jalandris (Joe Jochmans), "The Earthfire Series," from Holistic Life Travels, 1627 10th Avenue, San Francisco, California 94122.

Athelstan Spilhaus, "New Look in Maps Brings Out Patterns of Plate Tectonics," Smithsonian Magazine, August 1978.

Michael Heleus, "To Hold the Earth: The Earth Energy Grid," Energy Unlimited, July-September 1978, no. 3., Box 35637 Sta. D, Albuquerque, New Mexico 87176.

John T. Sinkiewicz, "The Planetary Grid: Cornerstone of Science and Evolution," (First Quarter 1982) and "Further Notes on the Planetary Grid," (Fourth Quarter 1982) in Pursuit, PO Box 265, Little Silver, New Jersey 07739.

Stonehenge Viewpoint, Don Cyr, editor, "Archaeology, Astronomy, Geology, and Related Arts and Sciences," 2821 De La Vina St., Santa Barbara, California 93105.

Circle Network News, PO Box 219, Mt. Horeb, Wisconsin 53572.

Conspiracies Unlimited: A Journal of Research and Criticism, PO Box 3985, St. Paul, Minnesota 55165

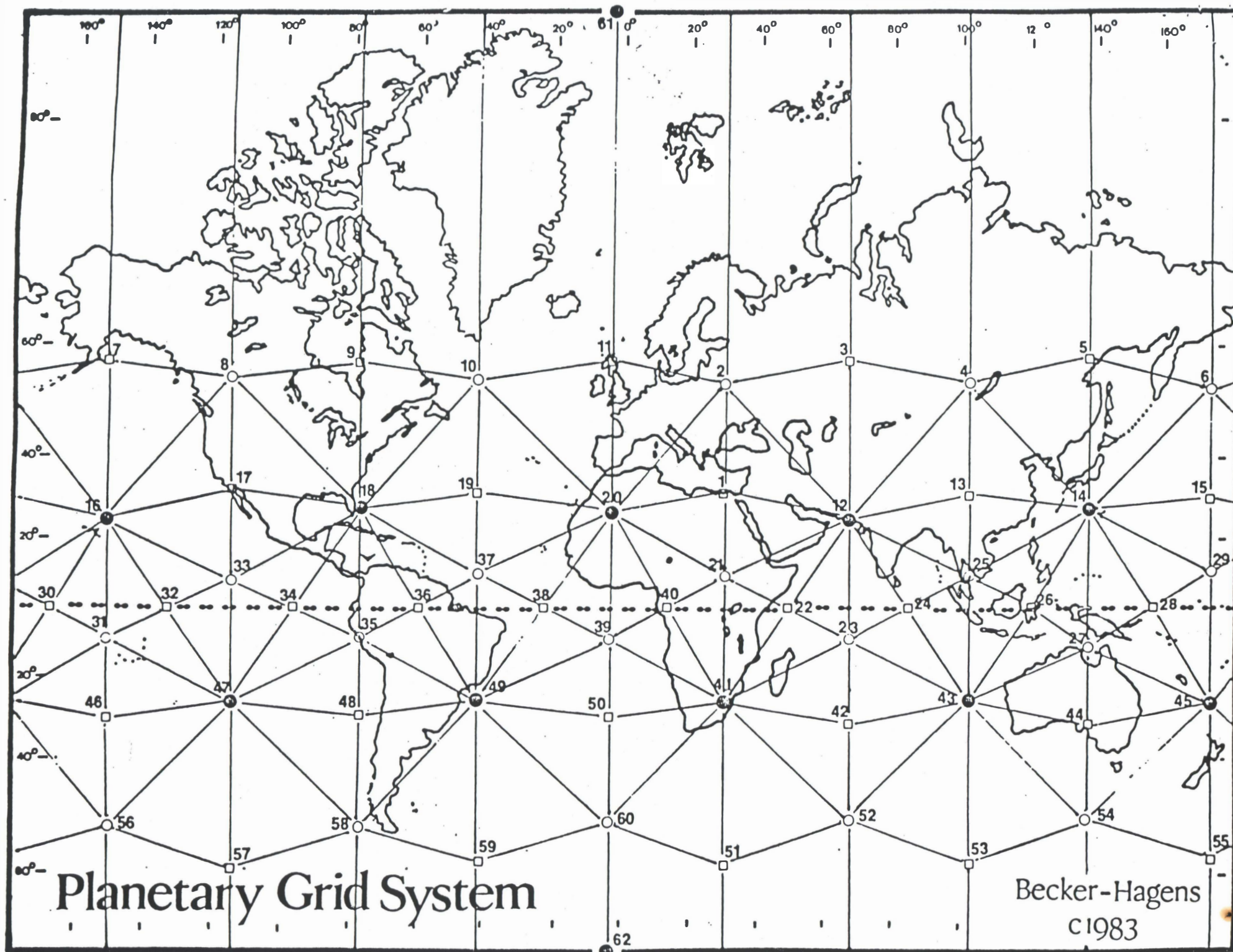
Quester, Deane H. Russell, Journal of the Canadian Society of Questers, 1480 Garnet Rd. No. 16, Victoria, British Columbia, CANADA V8P 5K9.

American Society of Dowsters, Inc., Danville, Vermont 05828-0024.

Cadake Industries (Ken MacNeill), PO Box 9478, Winter Haven, Florida 33880 (Publishers and booksellers on hard to find energy subjects)

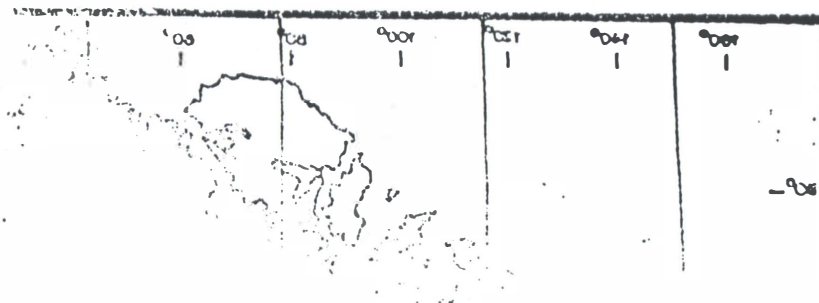
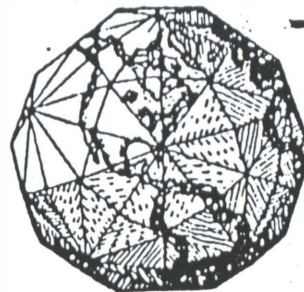
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- 04 -



○ EXPANSION ● SUBDUCTION □ STABILITY

MERCATOR-BASED HEXAKIS ICOSAHEDRON PROJECTION.



Planetary Grid System

1	EGYPT	31.72°N	31.20°E	22	SOMALIA BASIN	0°	49.20°E	43	WHARTON BASIN	26.57°S	103.20°E
2	WESTERN RUSSIA	52.62°N	31.20°E	23	OGNAGOS ARCHIPELAGO	10.81°S	67.20°E	44	SOUTH AUSTRALIA	31.72°S	139.20°E
3	CENTRAL USSR	58.28°N	67.20°E	24	CETLON PLAIN (Sri Lanka)	0°	85.20°E	45	LOYALTY ISLANDS	26.57°S	175.20°E
4	LAKE BAYKAL	52.62°N	103.20°E	25	GULF OF THAILAND	10.81°N	103.20°E	46	SOUTH PACIFIC	34.72°S	148.80°W
5	SEA OF OKHOTSK	58.28°N	139.20°E	26	SULAVESI	0°	121.20°E	47	EASTER ISLAND	26.57°S	112.80°W
6	OKERING SEA (Aleutian Islands)	52.62°N	175.20°E	27	GULF OF CARPENTARIA	10.81°S	139.20°E	48	NAZCA PLATE	31.72°S	76.80°W
7	GULF OF ALASKA	58.28°N	148.80°E	28	SOLOMON ISLANDS	0°	157.20°E	49	RIO DE JANEIRO	26.57°S	40.80°W
8	ALBERTA	52.62°N	112.80°W	29	MARSHALL ISLANDS	10.81°N	175.20°E	50	ATLANTIC RIDGE	31.72°S	4.80°W
9	HUDSON'S BAY	58.28°N	76.80°W	30	PHOENIX ISLANDS	0°		51	ATLANTIC-INDIAN OCEAN BASIN	58.28°S	31.20°E
10	NORTH ATLANTIC	52.62°N	40.80°W	31	CAROLINE ISLANDS	10.81°S	148.80°W	52	MCDONALD ISLAND (Indian Ocean)	52.62°S	67.20°E
11	SCOTLAND (Finchhorn)	58.28°N	4.80°W	32	MID-SOUTH PACIFIC	0°	130.80°W	53	SOUTH INDIAN BASIN	58.28°S	103.20°E
12	KARACHI (Pakistan, Indus River)	26.57°N	67.20°E	33	CLIPPERTON ISLANDS	10.81°N	112.80°W	54	KANGAROO FRACTURE	52.62°S	139.20°E
13	HIMALAYAS	31.72°N	103.20°E	34	GALAPAGOS ISLANDS	0°	94.80°W	55	EMERALD BASIN	58.28°S	175.20°E
14	IWO JIMA (Japan)	26.57°N	139.20°E	35	PERU	10.81°S	76.80°W	56	UDINTSEV FRACTURE	52.62°S	148.80°W
15	MIDWAY ISLAND	31.72°N	175.20°E	36	AMAZON	0°	58.80°W	57	ALBATROSS CORDILLERA	58.28°S	112.80°W
16	NAVAJO	26.57°N	148.80°W	37	OGUIANA BASIN	10.81°N	40.80°W	58	SOUTH AMERICAN TIP	52.62°S	76.80°W
17	BAJA CALIFORNIA	31.72°N	112.80°W	38	ROMANCHE GAP	0°	22.80°W	59	EAST SCOTIA BASIN	58.28°S	40.80°W
18	BAHAMAS	26.57°N	76.80°W	39	ASCENSION ISLAND	10.81°S	4.80°W	60	SOUTH ATLANTIC RIDGE	52.62°S	4.80°W
19	MID-ATLANTIC MOUNT	31.72°N	40.80°W	40	GABON	0°	13.20°E	61	NORTH POLE	90.00°N	
20	ALGERIA	26.57°N	4.80°W	41	SOUTH AFRICA	26.57°S	31.20°E	62	SOUTH POLE	90.00°S	
21	SUDAN	10.81°N	31.20°E	42	INDIAN OCEAN RIDGE	31.72°S	67.20°E				

The Planetary Grid System shown on the reverse side was inspired by an original article by Christopher Bird, "Planetary Grid," published in the New Age Journal #5, May 1975, pp. 36-41. The hexakis icosahedron grid, coordinate calculations, and point classification system are original research copyrighted by Bethe Hagens and William S. Becker, with cartographic assistance by M. E. BoyaJean. These materials are distributed with the permission of the authors by the Division of Intercultural Studies, Governors State University, Park Forest South, Illinois 60466 312/534-5000 x2455. They may be reproduced if they are distributed without charge and if acknowledgement is given to Governors State University (address included) and to Mr. Bird.

Scientific Aspects of Dowsing

SCHUMANN RESONANCE AND THE "UNIVERSAL GRID"

Dr. Z. V. Harvalik, Dr. V. Harvalik, W. de Boer

(Dr. Zaborj Harvalik was formerly Associate Professor of Physics at the University of Missouri, Professor of Physics at the University of Arkansas, and director of the basic research group of the U. S. Army Engineering Laboratories, Fort Belvoir, Va. Since his retirement in 1973, he has continued to pursue his lifelong hobby: the study of the physics of dowsing. His article below is one of a series of creative basic research explorations into the elusive mechanisms and potentials of dowsing, which have evoked the interest and respect of the scientific community worldwide. Ed. P. N.)

Introduction

At the occasion of a visit in the early 1980's to Dr. E. Hartmann in Eberbach, F. R. G., an experiment was undertaken under the direction of Engineer R. Hartmann, Dr. E. Hartmann's brother, my wife Charlotte and myself participating. To prove the existence of an Universal Grid that spans the entire globe in a checkerboard fashion, magnetically oriented N-S and E-W, we started to dowse for it from three corners of the large parking area of Dr. Hartmann's retreat near Eberbach (1). By working toward each other we finally got together and to my astonishment all three of us achieved coincidence of the grid lines and their N-S and E-W intersections (Fig. 1). This observation suggested that a magnetic grid system of probably terrestrial or possibly cosmic origin does exist. Subsequently I repeated this experiment with dowsers in USA, Denmark, Germany, Switzerland and Australia with almost identical results although in a few experiments a complete coincidence of grid lines was not observed.

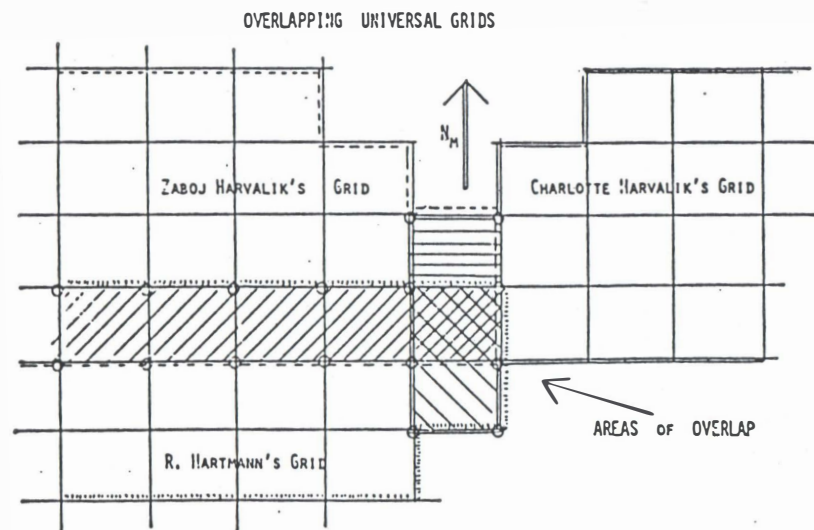


FIG. 1

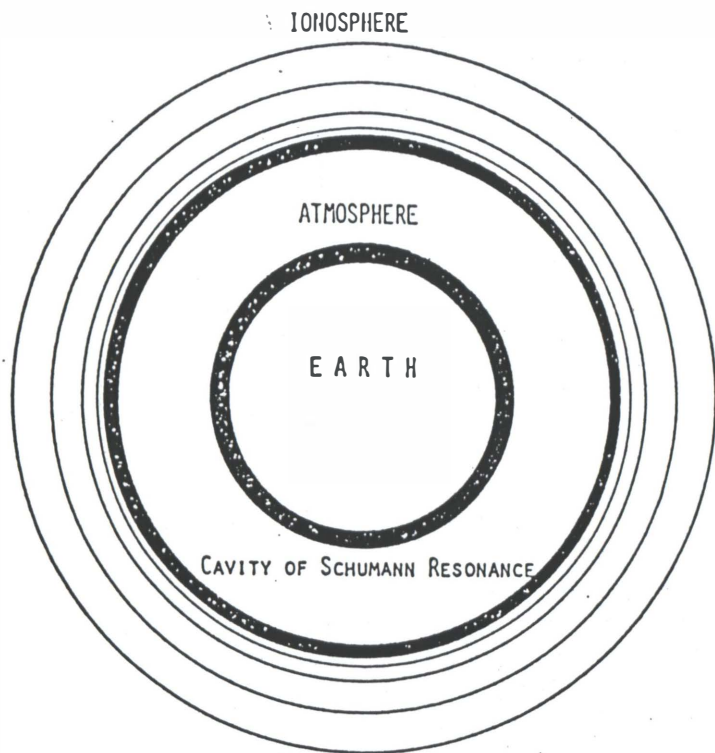


FIG. 2

Origin of the Universal Grid

When Dean Chadwick of the University of Utah, Logan, UT was in Lorton, VA., with his Cesium magnetometer no periodically appearing patterns of magnetic "disturbances" were observed even when the instrument was set to maximum sensitivity. This observation caused some doubts on the terrestrial or cosmic origin of the Universal Grid. This doubt was increased when I dowsed for the East-West Grid dimension on a flight between Greenland and Iceland when the plane was heading straight East. While walking in the aisle I obtained dowsing signals every 1.4 meters (m). The airplane had a ground speed of approximately 1000 miles per hour. A study of the East-West Grid dimensions using artificially modified earth-magnetic field revealed that the dip angle of said field governs the East-West Grid dimension (2). Above observations suggest that an Universal Grid of terrestrial or cosmic origin does not exist. The Universal Grid is a neuro-physiological reaction of man to the dip angle of the earth-magnetic field (2).

The Dilemma of the Grid Coincidences

There still remains the dilemma: How come that two or more dowsers who lay out an Universal Grid pattern independently from each

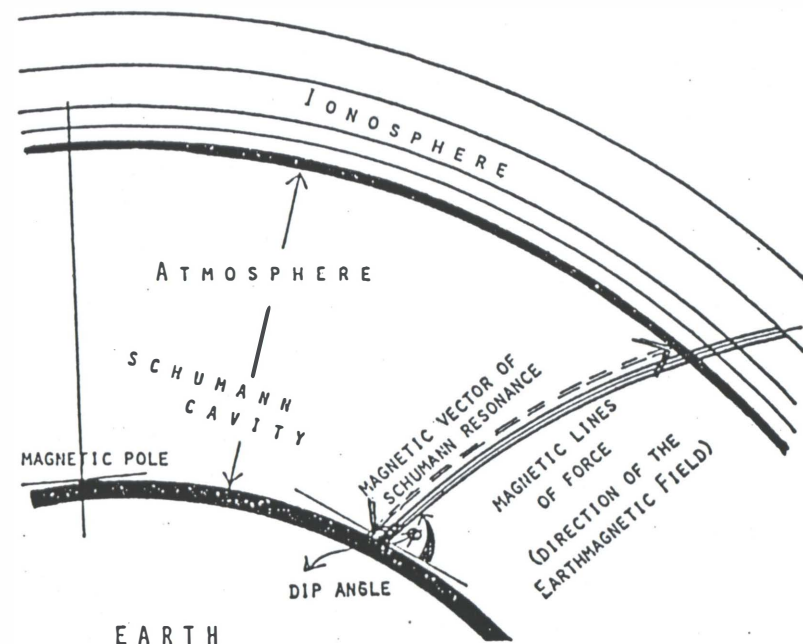


FIG. 3

other establish identical locations of East-West (E-W) and North-South (N-S) Grid lines and their crossing points? These lines and crossing points exactly coincide when their extended Grids meet (Fig. 1). After discarding a variety of possible explanations for this strange observation I thought that a study of the Schumann Resonance and its possible interaction with the earth-magnetic field would be helpful in solving this problem (2).

The Schumann Resonance

In 1953 W. O. Schumann published a paper (3) in which he proposed the existence of an electromagnetic resonance system of a frequency of about 10 Hertz (Hz). He assumed the presence of a cavity constituted by the surface of the earth, the atmosphere, and the ionosphere, behaving like a giant spherical capacitor, the atmosphere being dielectric, and the earth, and the earth-facing part of the ionosphere being the electrodes (Fig. 2). The magnetic vector of the resonance oscillates in the direction of the earth-magnetic field which is indicated by its dip angle (4, 5) (Fig. 3). Since the dip angle governs the E-W Grid dimension, it seems to be possible that an interaction of the Schumann Resonance magnetic vector with the earth-magnetic field exists. The Schumann Resonance appears to be of a sinusoidal wave form thus having maxima and minima in intensities, apt to interact with the earth-magnetic field (Fig. 4). The minima do not contribute to those interactions while the maxima do. I designate as minima the locations of the

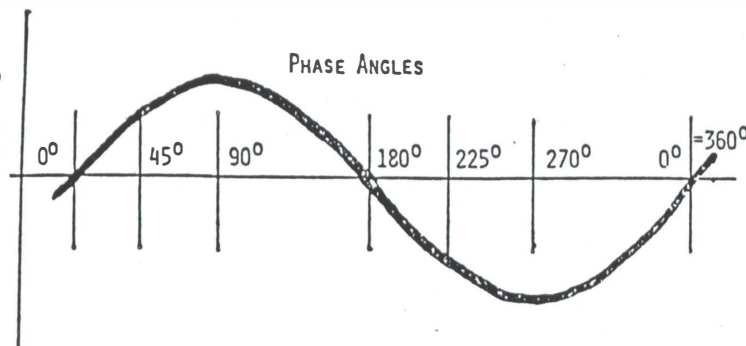
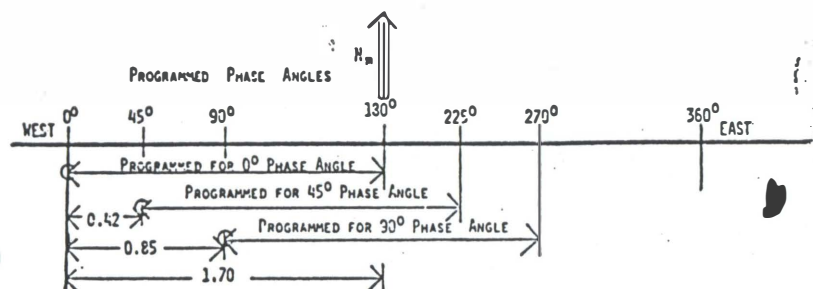


FIG. 4



EAST-WEST - NORTH-SOUTH INTERSECTION DISPLACEMENTS OF THE UNIVERSAL GRID AS THE RESULT OF PROGRAMMED PHASE ANGLES OF 0°, 45°, AND 90°

FIG. 5

intersection of the sinusoidal curve with the zero line where polarity changes. If one describes the phase relationships of the resonance in angular measures one can ascribe to the phase angles 0°, 180°, 360°=0° the minimum interaction conditions, while the phase angles of 90° and 270° would constitute the phase angles where a maximum interaction with the earth-magnetic field could be expected.

Experimental

To prove the correctness of the phase angle approach to this problem, the location of consecutive crossing points of the E-W Grid lines with the N-S Grid lines were dowsed according to Reference (1)—Appendix A. At Lorton where the majority of the experiments were made the crossing points are 1.70 m apart.

All dowzers participating obtained crossing points at the same locations when asked to dowse for the Universal Grid. When asked to program themselves for the Schumann Resonance phase angle of 0° they obtained the same location they got when they dowsed just for the Universal Grid. The same results were obtained when the dowzers programmed themselves for the phase angles of 180° and 360° (=0°) (Fig. 5).

However, when the dowzers programmed themselves for the phase angles of 90° or 270° the E-W Grid line intersection with the N-S Grid line was displaced by 0.85 m. A 0.42 m displacement was observed when the dowzers programmed themselves for 45° phase angle (Fig. 5). The E-W Grid length for the displaced Grid dimensions remained the same as for the phase angle of 0°, namely 1.70 m. When asked to program for a phase angle different from 0° the displacements of the intersection points (E-W/N-S) will vary according to the equation $1.70 \text{ m} \times \text{pa}^\circ / 180^\circ = \text{Dm}$ whereby 1.70m is the E-W Grid dimension for Lorton, Va, pa° is the phase angle, programmed, Dm the crossing point displacement in m.

Conclusion

Thus, one can conclude that the coincidence of crossing points of E-W with N-S Grid lines are the result of man's ability to automatically adjust to the phase angle of 0° of the Schumann Resonance which constitutes the location of the minimum interaction between the Schumann Resonance and the earth-magnetic field. Only when deliberately programmed for a phase angle different from 0° will a displacement of the E-W/N-S Grid lines intersection points be observed by dowsing.

From past experiences concerning dowsing for magnetic parameters one can observe that man is able to discern by dowsing 1) the direction of the earth-magnetic field, 2) its dip angle (by the E-W Grid dimension), 3) the phase relationship of the Schumann Resonance interaction with the earth-magnetic field (by displacement of intersection points of the E-W/N-S Grid lines).

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THE PLANETARY GRID

Cornerstone of Science and Evolution

by John T. Sinkiewicz

3206 Debbie Drive, Hendersonville, NC 28739

Much has been written about the possibility of there being a World Grid, or Web. Many writers on this subject have gone to great lengths to show their particular theory and supporting data for such a grid's existence. Usually one theory would show how their particular scheme for a grid was the correct one, while all other claims for different theories were incomplete.

This article will, I believe, provide the necessary data to (1) show that there is in fact a World Grid, and (2) show how most other theories about the subject will fit rather nicely into the actual grid.

THE ACTUAL basic grid structure, I believe, was first uncovered by Ivan T. Sanderson and his Society for the Investigation of The Unexplained, back in the 1960s. The Sanderson findings were followed by those of a group of Russians who, working as a team of multi-disciplined scientists, proposed a world-grid system that formed a spherical icosadodecahedron. (Fig. 1) Their research was written-up in the United States by Christopher Bird, and has since become known as the Russian Grid.

The problem in trying to validate any grid is one of correct positioning on the Earth, and also predicting the locations of ancient structures situated within the grid matrix. Captain Bruce L. Cathie of Auckland, New Zealand, realized this need, and in his books on a world grid has tried to satisfy that need. But the problem is one of accuracy; if the grid does exist, it must be a highly accurate structure with very predictable junction locations. One cannot use maps, for instance, to plot locations or alignments, due to the inevitable distortions in making both large- and small-scale maps. All that can result from such efforts are near approximations (usually with a few miles of radius for an error factor). Actually, the most sophisticated computer-plotting available provides an accuracy of one one-quarter mile of radius; that is, at best. The problem of military target-plotting by computer is much different than world-grid plotting.

In target-plotting, all of the major irregularities of the Earth must be taken into account since the task is to locate places on a rather irregular surface. But, in plotting the world grid, the irregularities of surface are disregarded. The grid, being a non-physical thing, can take its form through mountains or above planes. The grid itself is the master pattern (or mold) for the Earth, and is a perfect sphere about the center of the Earth. All grid junctions can be mathematically projected to surface locations on a straight line from the grid junction to the Earth's center. Where this line contacts the Earth's surface, that is the grid junction (or power point) for that energy. The mathematics for this job is, of course, spherical trigonometry.

The other problem of world-grid location is that of determining the exact match of the grid's north and south poles to the Earth's geographic north and south poles. This problem is not easy to solve. One first has to study the many ancient structures to find how they might fit into a grid

system. For example: a pyramid structure might be meaningful to us, but of minor significance to the grid structure. In this study, one must also ignore all seemingly ideal Earth coordinates. Man's longitude/latitude grid has nothing to do with a world energy grid. But, if the searcher is diligent, match-ups can be found. Again, we have a small accuracy problem. The location, longitude/latitude, of a given structure is typically rounded-off in publications describing that structure, resulting in small initial errors of a few seconds. A match-up halfway around the world can thus be "off" one or more miles, leaving only a hint of the possibilities there. In order to eliminate this problem, I choose to carry all of my angles to four decimal parts of a second of arc: ($^{\circ} 00' 00.0000''$).

The spherical icosadodecahedron form (Fig. 1) is a basic structure for the Earth grid which, in itself, is ever the same throughout the life of the planet. The grid portion of this basic form does change in density at certain periods of Earth life.

As for the north and south poles of the basic form, they are naturally coincident with the axial poles of the planet, that is, if all is in proper harmony. In the case of Earth, for the past several thousand years, harmony has not prevailed. Discord resulted and caused a significant misalignment of the grid's north and south poles with the Earth's axial poles. The effect of this misalignment is manifold, but the most significant effect, for the race of mankind, was that of drastically shortening the natural life-span of humans. The fore-shortened condition became so severe that supplementary measures had to be implemented to attenuate the effect of polar misalignment. It is because of this artificial reattunement that the life-span of man is plus seventy years instead of thirty-five to forty years without it. I will return to this matter later on, to explain the corrective measures in greater detail.

In the Beginning Was Energy

In the beginning, prior to there being a physical planet Earth, there was a globe of energy. This globe of energy had a structure to it. The structure was in the form of a spherical icosahedron (Fig. 2): twenty equal-angle triangles joined together by twelve junctions. This energy structure caused the spherical form to act much like a soap-bubble, except that it was an energy bubble. The energy bubble moved through many regions of space that consist of large densities of matter. This matter, or space dust, accumulated upon the bubble and a solid shape began to build. After sufficient material structure accumulated, the next stage in planet Earth's development commenced. Another energy structure was superimposed upon the original icosahedron structure. It took the form of a spherical dodecahedron (Fig. 3). The function of the new energy structure was to develop twelve different parts of the new material globe:

(Continued on page 10)

'The spherical icosi-dodecahedron form is a basic structure for the Earth grid which, in itself, is ever the same throughout the life of the planet.'

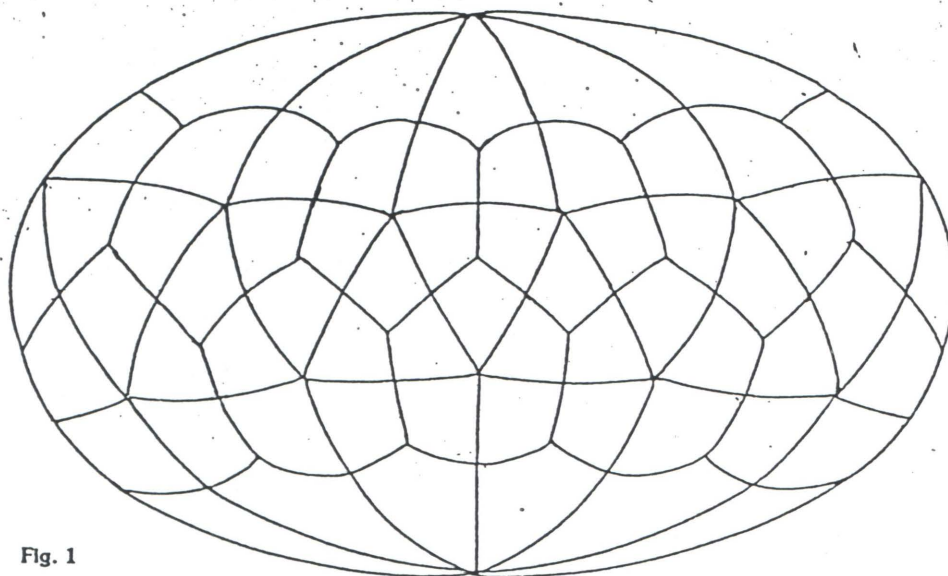


Fig. 1

'In the beginning, prior to there being a physical planet Earth, there was a globe of energy. This globe of energy was in the form of a spherical icosahedron: twenty equal-angle triangles joined together by twelve junctions.'

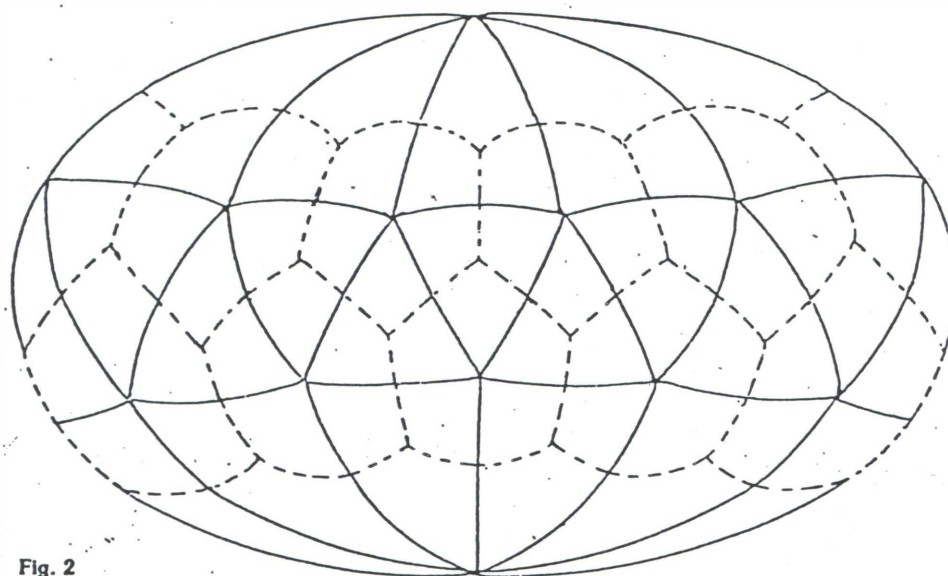


Fig. 2

'Another energy structure was superimposed upon the original icosahedron structure. It took the form of a spherical dodecahedron.'

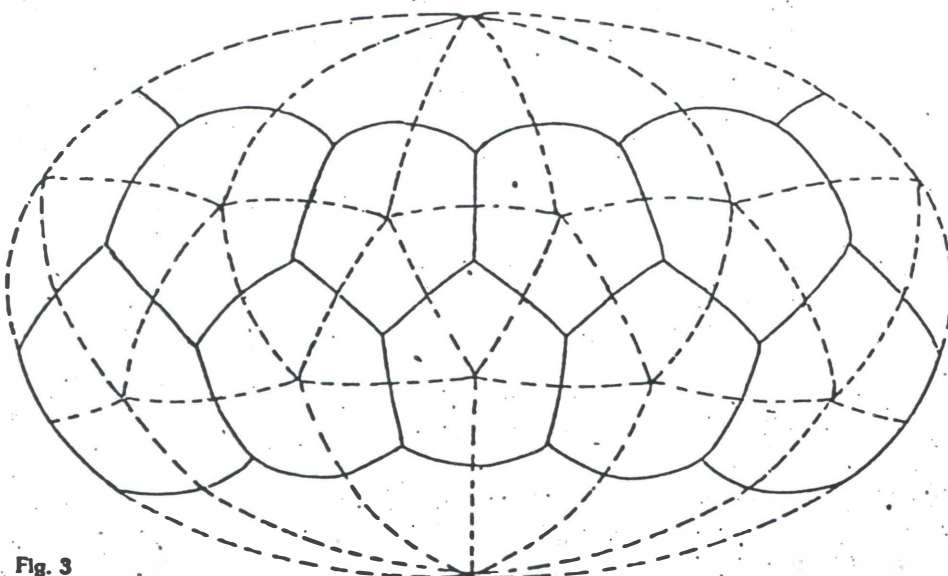


Fig. 3

**WORLD ENERGY WEB
1st DENSITY LEVEL**

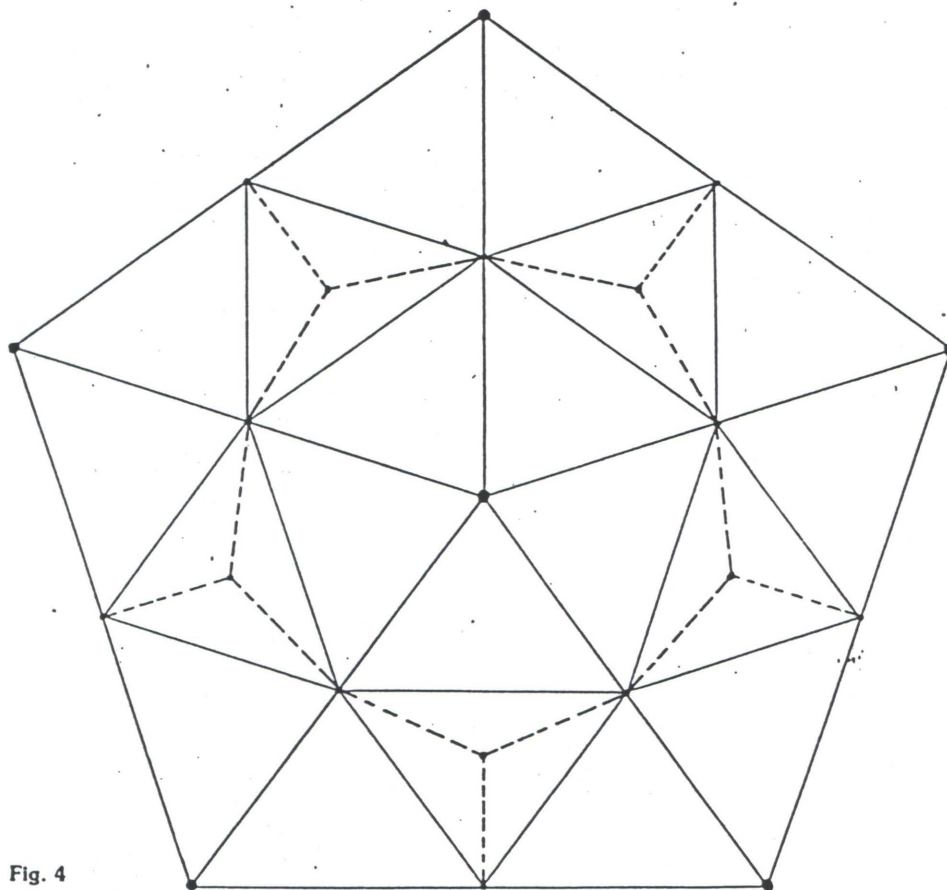


Fig. 4

**WORLD ENERGY WEB
2nd DENSITY LEVEL**

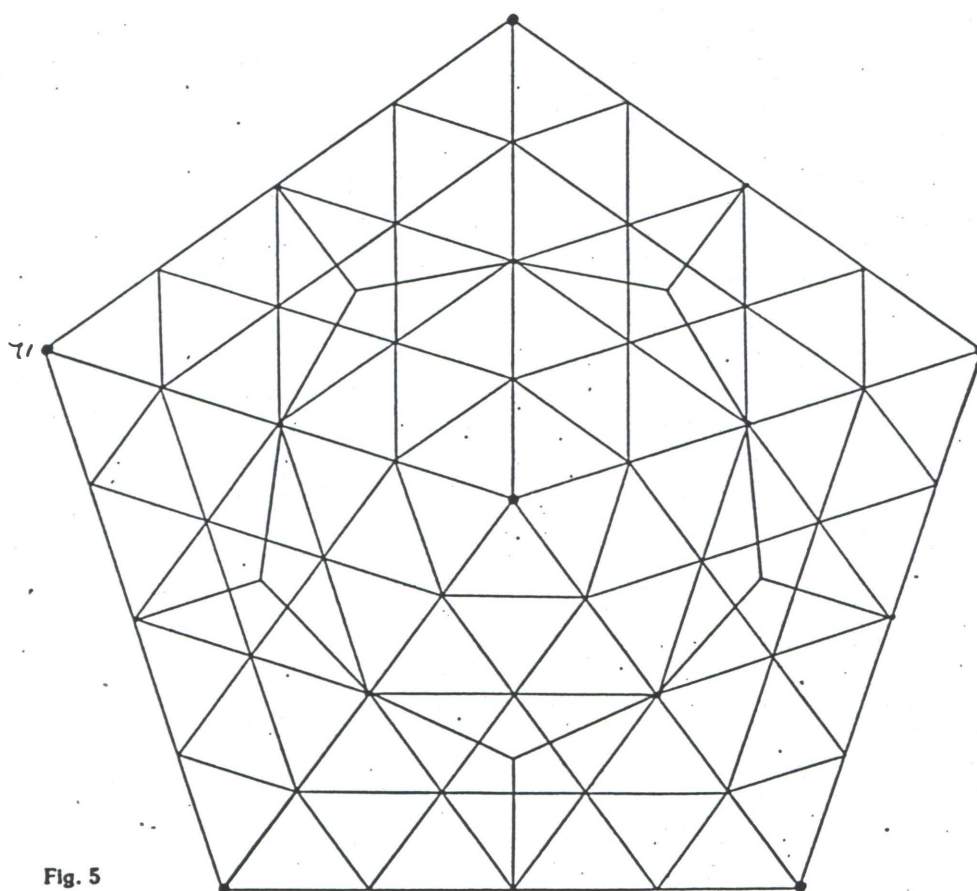
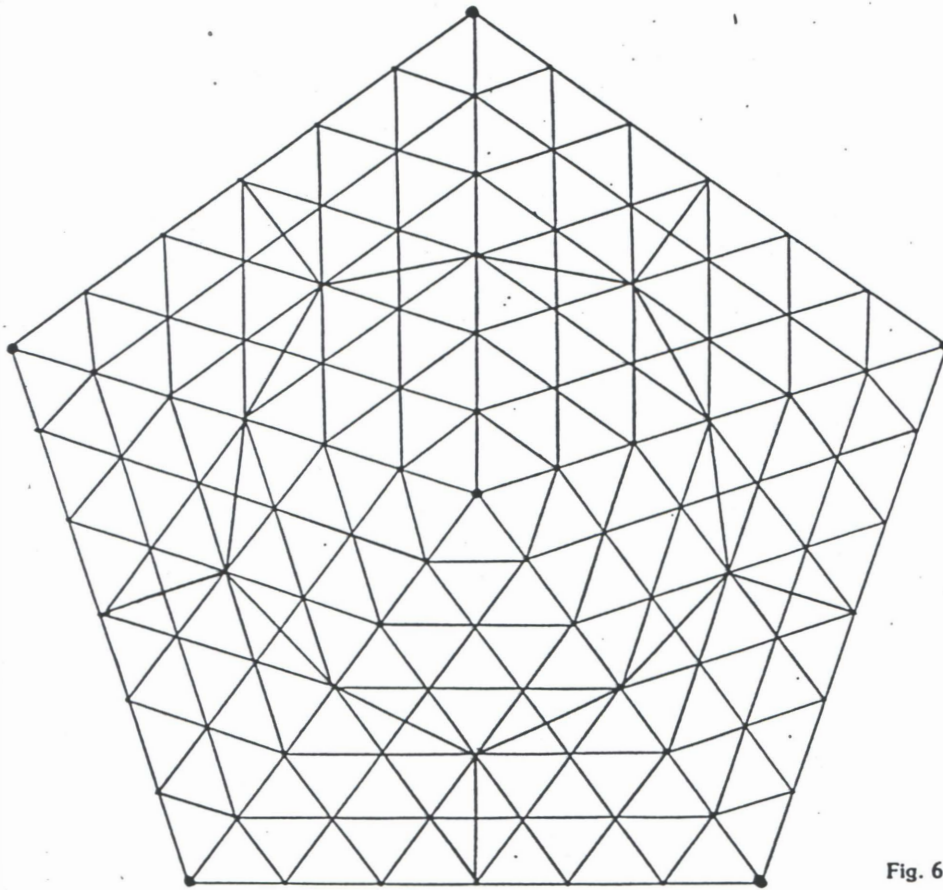
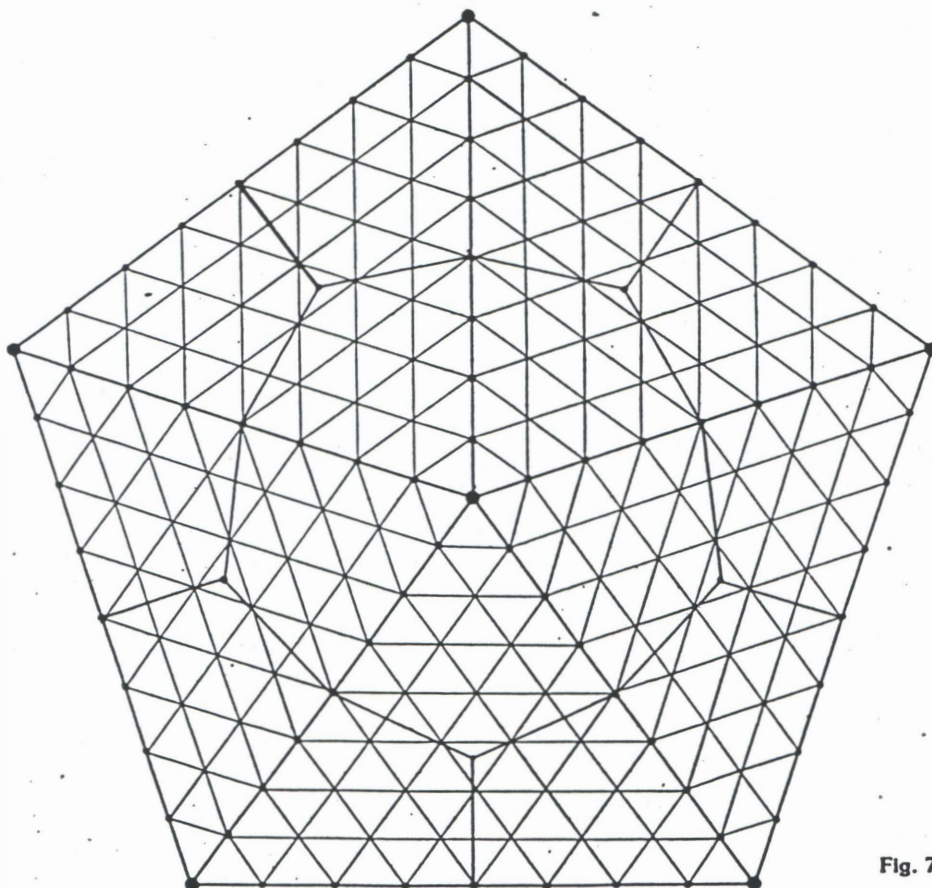


Fig. 5



WORLD ENERGY WEB
3rd DENSITY LEVEL

Fig. 6



WORLD ENERGY WEB
4th DENSITY LEVEL

Fig. 7

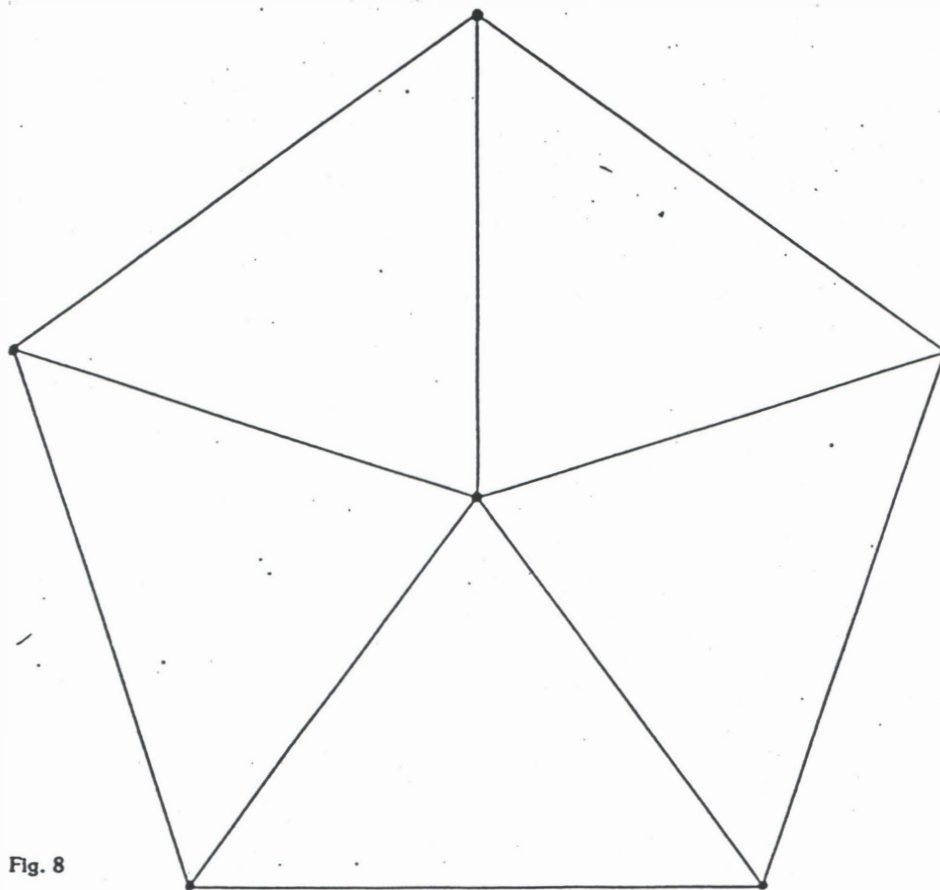


Fig. 8

twelve "islands" were formed along the lines of the dodecahedron structure (twelve pentagons). At this point, there was no interlinking of the icosa-hedron/dodeca-hedron structural forms. The linking took place in the next stage of the planet's development.

The new development was the result of the energy spectrum of the planet being tuned to a higher energy density. A new attunement, resulting in each side of the twenty basic triangles (icosa-hedron) being divided in half (Fig. 4), as one might divide a tight wire in half and tie down its middle portion, thus doubling the frequency of the original length. This halfway juncture was the crossing point of the two basic structures (icosa-/dodeca-hedron), also resulting in the development of secondary lines of force. The secondary pattern of force, when inter-connected to the midpoint of each triangle side, formed a second smaller triangle inside each of the twenty icosa-hedron triangles. The three stages of planetary development just outlined, (1) the basic icosa-hedron, (2) the added dodeca-hedron, (3) the dividing of the icosa-hedron triangles, all go into making up the 1st Density or basic life stage of planet Earth's development.

It was after this 1st Density stage had run its course but prior to the next (2nd Density) level of Earth growth, that Earth went through its first major adjustment, including a total shift in axial pole positions, after which a whole new set of conditions existed for the developing life of the planet. The 2nd Density period also changed the energy level and the former grid pattern. Now, instead of there being three energy nodes from corner to corner on each icosa-hedral triangle, there would be five energy nodes (Fig. 5), viz., two nodes added. This increase in planet energy density pro-

vided the proper conditions for the development of pre-human life (the animal and vegetable kingdoms).

Likewise, when 2nd Density had run its course, but again prior to the full activation of the next (3rd) Density, the Earth again went through a major adjustment, again including a total axial pole-shift with the accompanying land-mass changes. This period, incidentally, coincided with the removal of most of the huge, prehistoric animals from the surface of the planet. The new 3rd Density likewise resulted in an energy densification of the master planetary grid. This time, the number of energy nodes from corner to corner in the triangle structure increased from five to seven (Fig. 6).

Within the period of 3rd Density activity, mankind was introduced to this planet. The 3rd Density period, which is just now ending, saw man progress through all the stages of his development, up to the present day.

Entering Upon the 4th Density

There is today a new Density upon us: Earth is at the border of passing into its 4th Density stage. Like the other two major transitions of the planet, this transition will result in a total axial pole-shift, with, of course, the accompanying land-mass upheavals. Likewise, the Earth's energy web will increase its energy density from seven energy nodes per unit to nine nodes per unit (Fig. 7).

Actually, the 3rd Density energy grid has passed into inactivity. That is to say, the energy node pattern of the 3rd Density web is no longer being activated. But, like all high-energy systems of Earth, there still exists a residual-decay period when energy is still detectable within 3rd Density

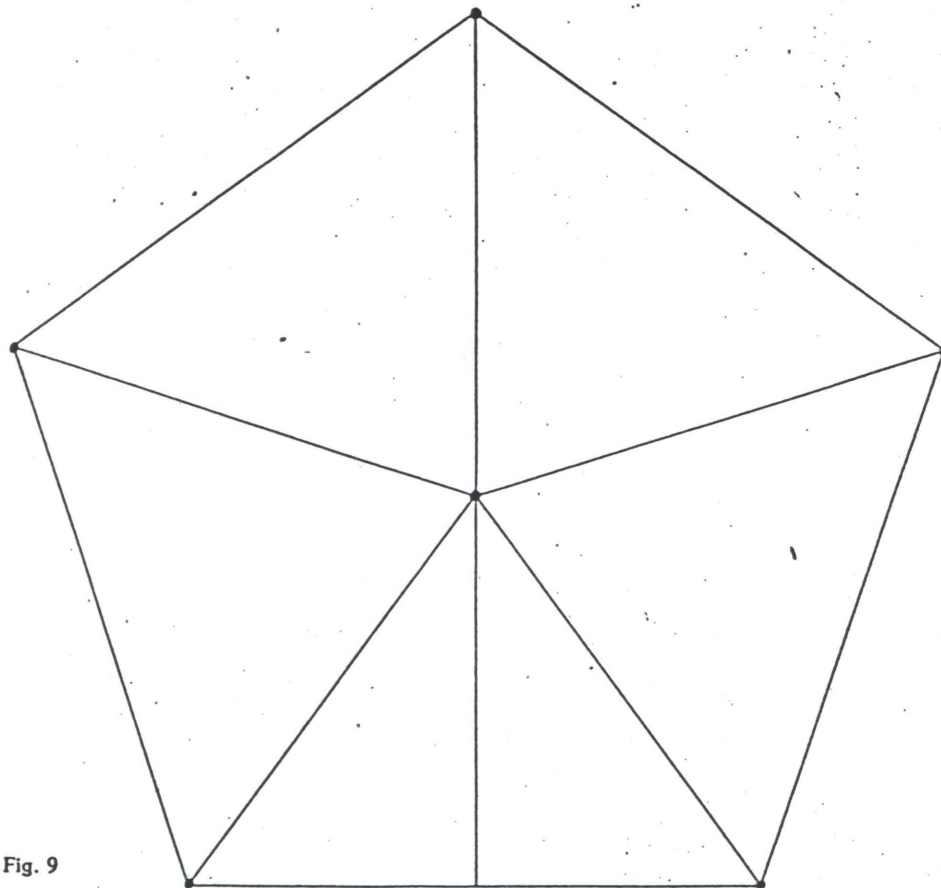


Fig. 9

alignments. This means that the new 4th Density Earth grid has been activated; and the new grid system will continue to increase its energy level for the duration of the Earth's 4th Density period. Future Densities can be projected, but with little usefulness, for the duration of a Density's reign is lengthy indeed.

Now that we have seen something of the purpose, use and history of the Earth energy grid, we can examine some of the detailed specifics of the grid structure.

If we take any one of the twelve triangle junction nodes and make a flattened layout, with that node as the center, we see a pentagon with five radial arms, making five equal-angle triangles joined together (Fig. 8). Looking at the actual numbers that go into forming this shape within the grid, we find that all radial arms (5) and each enclosing base are exactly the same dimension, i.e., $63^{\circ} 26' 05.8159''$ (in spherical trigonometry all values are given in angles). The three included angles (corners) of each triangle are 72° . If we draw an imaginary line from the center of our diagram straight down to a point exactly halfway along the base of one of the triangles, this height (Fig. 9) would be $58^{\circ} 16' 57.0922''$. Thus we have established all of the basic angles for the grid. You will also notice that to go 180° from grid north pole to grid south pole, two heights plus one side are required ($58^{\circ} 16' 57.0922'' \times 2 + 63^{\circ} 26' 05.8159'' = 180^{\circ}$). To superimpose the dodeca-hedral portion of the grid onto our diagram, we would draw a dashed line up from the mid-way point in the base of a triangle, a distance of $20^{\circ} 54' 18.5668''$. We would then connect a dashed line of the same length from each side of each triangle. The result within a triangle would look like a "Y" (Fig. 4). The result for the

whole diagram would be a smaller pentagon with a radiating arm going from each of the five points to the base of each triangle. The now-completed diagram, when repeated and interlaced, forms the two polyhedrals (icosa-dodeca-hedron) which constitute the basic "Russian" grid (Fig. 10), the true basic grid.

We must improve our basic grid by adding the supplementary energy lines of the 1st Density form. To do this, we simply interconnect the center point of each triangle's side with a line 36° long; the result is four smaller triangles within each of the original, larger ones (Fig. 4). At this point we have recreated all three stages of the 1st Density Earth grid. (Note: The equator of our grid consists of ten of these 36° mid-point lines in succession.)

The next step is to divide each half of each large triangle's side into half again, then connect these points with interior lines—all of which results in sixteen smaller triangles within each larger triangle (Fig. 5). This is the basic grid diagram for the 2nd Density (basic because in each case all of the smaller triangles are similarly divided, producing even smaller triangles).

There does not seem to be any limit to the dividing process, at least on this side of the atomic structure, perhaps even to the matrix of sub-atomic particles. We are now, and have been for some while, at the juncture point of the 3rd and 4th Densities. This structure might give clues to help explain some of the confusion in the atomic physics of our times.

To continue with the 3rd Density, we now divide our basic triangle into six equal lengths per side. Again, connect the points into criss-cross patterns which result in thirty-

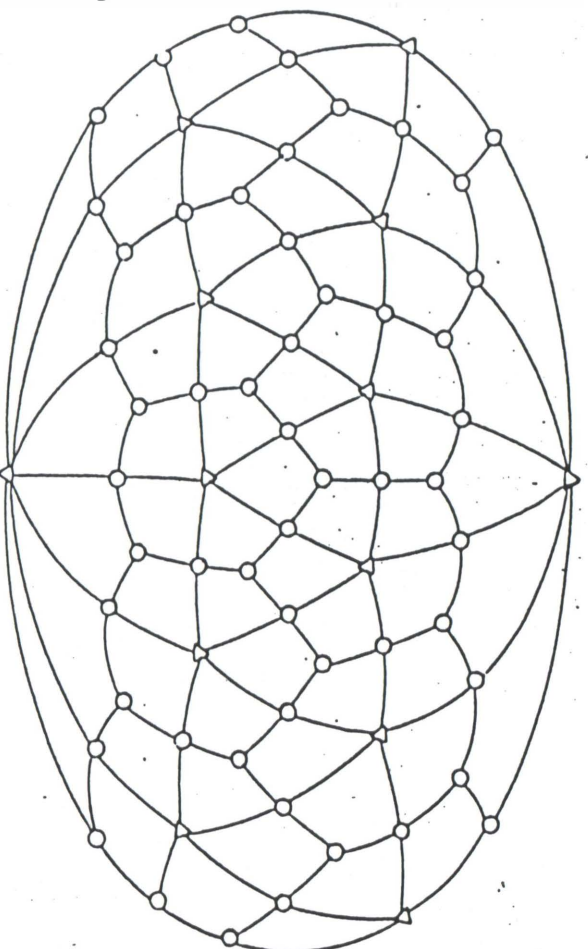


Fig. 10

'The now-completed diagram, when repeated and interlaced, forms the two polyhedrals (icosa-dodecahedron) which constitute the "Russian" grid, the true basic grid.'

If we continue our comparison for the 4th Density grid, which has nine nodes per basic triangle side, thus having eight equal parts (Fig. 7):

1st division = $7^{\circ} 55' 45.727''$
 2nd division = $0^{\circ} 59' 28.2159''$
 4th division = $0^{\circ} 00' 55.7534''$
 5th division = $0^{\circ} 00' 06.9692''$
 6th division = $0^{\circ} 00' 00.8711''$
 7th division = $0^{\circ} 00' 00.1089''$

The last division means that a junction node will be located every 10.89 nautical feet along all sides of the basic triangles.

Thus, by only changing the grid density from seven nodes (six spaces) per side to nine nodes (eight spaces) per side, we have increased the grid's energy density at only this shallow level, almost eightfold. The potential impact of such enormous energy increases can have on our physical planet and life forms can hardly be imagined.

In this situation, all forms of energy and matter within this planet must absorb and balance the new energy level. Included, of course, are all non-physical environs within the influence of the planet Earth.

If we were to carry this comparison down to the atomic level, the increase would be hundredfold. To illustrate further, we will look at the 11th division comparisons for each grid density. For the 3rd Density grid, the 11th division = $0^{\circ} 00' 00.00063''$ or a node juncture at every 0.063 nautical feet. By comparison, the 4th Density grid's 11th division = $0^{\circ} 00' 00.000027''$ or a node juncture at every 0.0027 nautical feet, which is greater than a twenty-threelfold increase in the energy density. I think the point is made as to the kinds of transition that lie ahead (or are already here) for all that resides within the sphere called Earth.

Returning once again to the question of the proper positioning of the World Grid relative to man's longitude/latitude grid, the obvious once again became understandable after years of research; the obvious being that the Great Pyramid of Giza was located on an important juncture of the basic grid. Realization that this never-changing juncture is mid-way between two corners of a basic triangle solved

six smaller basic triangles (Fig. 5). These are once again divided and re-divided on and on (Fig. 11). This diagram is the structure which provided the pattern for the location of almost all of the ancient structures. Almost, because some could be so old as to have been built upon the 2nd Density grid. We will now be able to locate all mysterious structures, circles, holy mountains, etc., within the pattern of this 3rd Density grid system. We can even locate some hidden structures (pyramids, etc.) through the proper study of this grid pattern. For example: such places as Findhorn, in Scotland, have strong power-points on both the old 3rd Density grid and the new 4th Density grid.

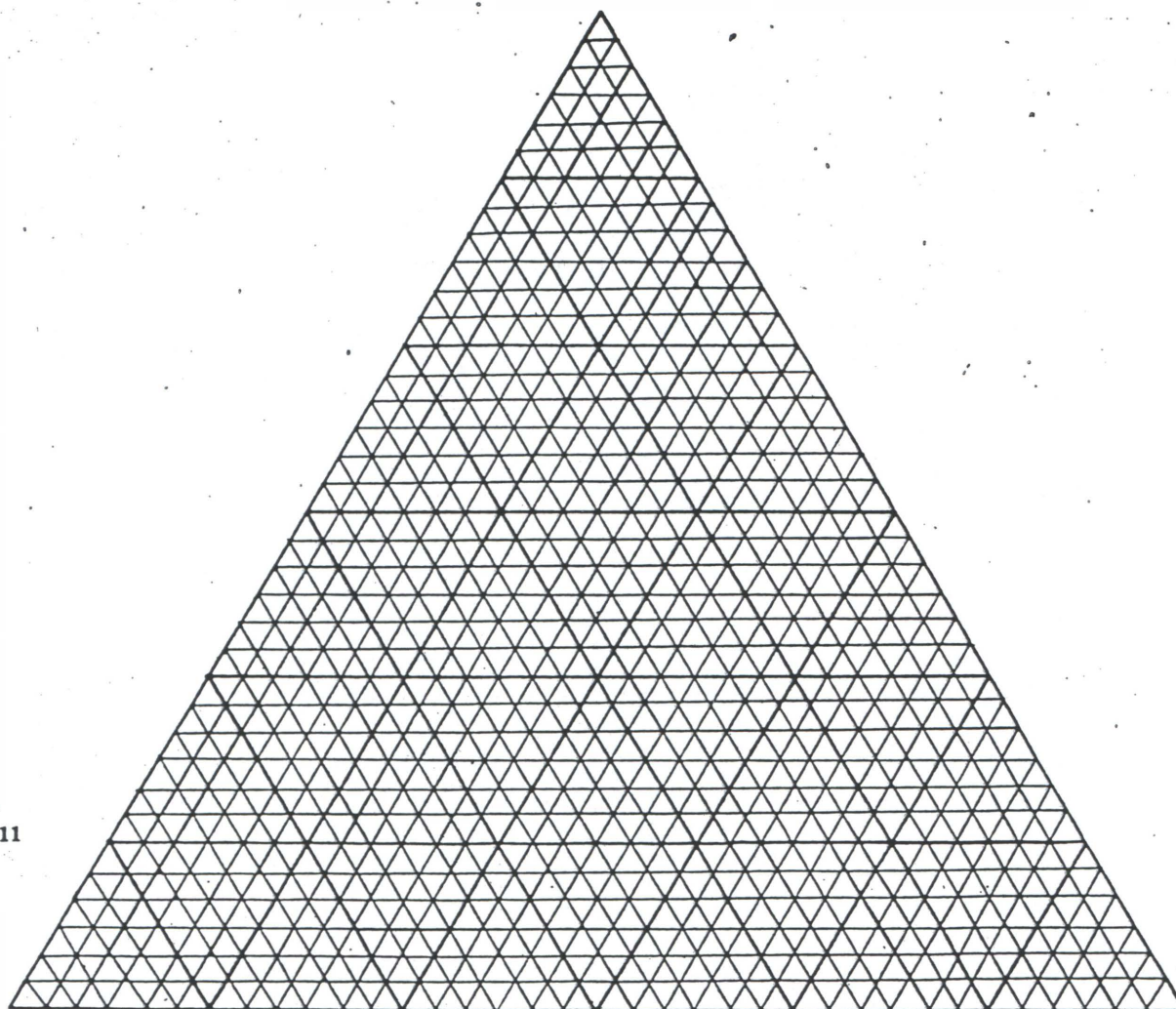
This new grid/old grid situation is one which has given such researchers as Bruce Cathy great difficulty. He and others have put together arguments for a grid theory that predicates both new and old mysterious places being located on the same theoretical grid. As a matter of fact, very few ancient structures are located on both the old (3rd Density) grid and the new (4th Density) grid. Those that are, of which one is the Great Pyramid of Cheops, in Egypt, result from their initial location being on one of the never-changing junctions of the basic grid structure, i.e., the mid-point on each basic triangle side, the twelve master node points, or the twenty dodecahedron junctions.

To give some idea of the true density effect of the grid-difference between the 3rd Density grid and the 4th Density grid, let us compare the dividing of each grid sevenfold, the 3rd Density being divided by six each time. This would be:

1st division = $10^{\circ} 34' 20.9693''$
 2nd division = $1^{\circ} 45' 43.4949''$
 3rd division = $0^{\circ} 17' 37.2491''$
 4th division = $0^{\circ} 02' 56.2082''$
 5th division = $0^{\circ} 00' 29.368''$
 6th division = $0^{\circ} 00' 04.8947''$
 7th division = $0^{\circ} 00' 00.8158''$

The last division means that a junction node will be located at every 81.58 nautical feet along all basic triangle sides. The spacing is somewhat different for the interior portions, due to the differing sizes and angles.

Fig. 11



BASIC GRID

Either $1^{\circ}45'43.495''$ / DIV - $10^{\circ}34'20.969''$ / SEG or $0^{\circ}02'56.20819''$ / DIV - $0^{\circ}17'37.249''$ / SEG

only the north-south portion of the grid-location problem (assuming that the exact surveyed position of the Great Pyramid was published and available). The question of the grid's easterly or westerly slant was still to be answered, especially since the pyramid location to the northern triangle node was either short of geographic north, or beyond geographic north, depending on whether the side-angle-length or center-height-length was used in the calculation, i.e., $63^{\circ}26'05.8159''$ or $58^{\circ}16'57.0922''$. Finally, through much trial and error, it was determined that the Great Pyramid aligned precisely north and south with the two grid axial poles. This particular alignment satisfied the necessity of locating certain chosen edifices on the high-energy grid juncture: places like Coral Castle in Homestead, Florida, which also had to be on a direct energy line from a large Egypt-type pyramid. (This alignment even provided for spotting the original site chosen for Coral Castle.)

The results of this positioning give the true grid north as $88^{\circ}15'46.7663''$ N - $29^{\circ}58'50.2195''$ E, based on the Great Pyramid location $29^{\circ}58'51''$ N - $31^{\circ}09'00''$ E with a north-south alignment of $0^{\circ}02'30''$ west of north. The exact location for each of the sixty-two non-changing junctions of the basic grid are shown in Fig. 12.

We can now go into the details of the special energy stabilizers needed for Earth. As can be seen from the above

data, there is a difference of some $1^{\circ}44'13.2337''$ or approximately $104\frac{1}{4}$ nautical miles between the Earth axial poles and the grid axial poles. This is quite a difference when one realizes that the proper functioning of the planet requires a perfect overlap of these two poles to achieve harmonic balance. The consequences of an inharmonic alignment are manifold, but the one we are dealing with here is the resulting foreshortened life-span of the human species. In an attempt to offset this effect and provide us with a more favorable (learning) life span, those entities whom we refer to as extraterrestrials, formed six large Giza-type pyramids at specific points on the World Energy Grid. These six energy synthesizer/amplifiers cause a re-flow of intensified energies between them and the grid north pole. This energy was then blended with the natural inflow of cosmic energies for that point, all of which resulted in a higher energy level circulating throughout the planet. The exact location of each of the balancing pyramids (though no longer in effect due to the new grid infusions):

- (1) the Pyramid of Giza, as given
- (2) $30^{\circ}11'51.4428''$ N - $27^{\circ}34'47.2794''$ W
- (3) $30^{\circ}10'33.3989''$ N - $87^{\circ}30'01.8512''$ W
- (4) $28^{\circ}18'06.0463''$ N - $148^{\circ}48'35.079''$ W
- (5) $30^{\circ}14'21.3726''$ N - $149^{\circ}51'44.373''$ E
- (6) $30^{\circ}15'33.574''$ N - $89^{\circ}53'58.6197''$ E

It is interesting to note that if you take points 1, 3, 5, and

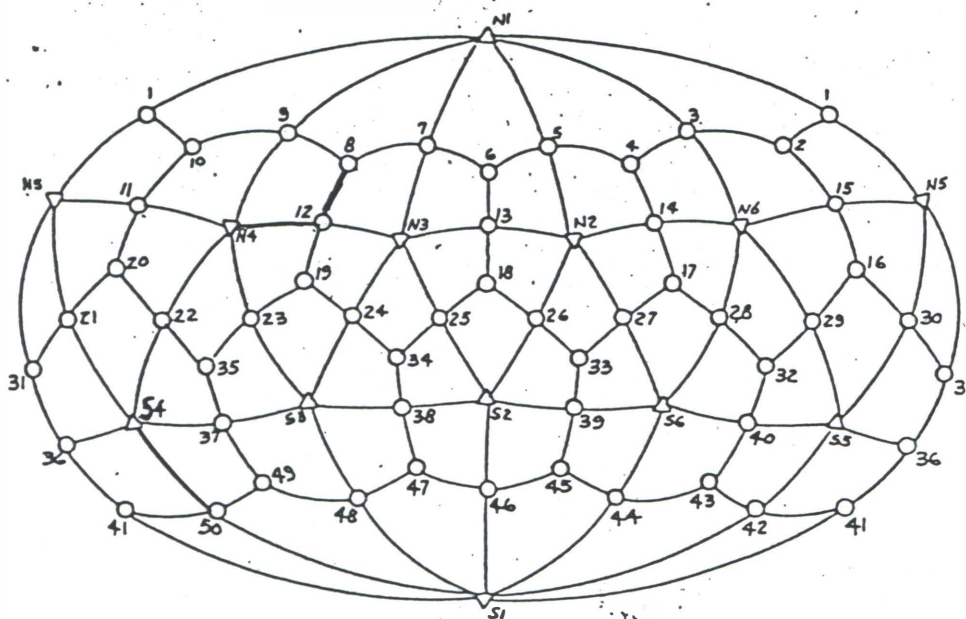


Fig. 12

Squidli
Secon
Pacific
Japan

N1	- 88°15'46.7663"N	- 29°58'50.2195"E
N2	- 25°08'04.9188"N	- 4°21'03.8556"W
N3	- 27°03'18.6613"N	- 75°59'11.0812"W
N4	- 28°18'06.0436"N	- 148°48'35.079"W
N5	- 27°07'26.9478"N	- 138°20'20.216"E
N6	- 25°10'35.8488"N	- 66°39'54.4286"E
S1	- 88°15'46.7663"S	- 150°01'09.799"W
S2	- 27°07'26.9478"S	- 41°39'39.7843"W
S3	- 25°10'35.8488"S	- 113°20'05.572"W
S4	- 25°08'04.9188"S	- 175°38'56.144"E
S5	- 27°03'18.6613"S	- 104°00'48.918"E
S6	- 28°18'06.0463"S	- 31°11'24.921"E
1	- 58°48'53.3758"N	- 136°28'02.986"E
2	- 52°05'21.0073"N	- 101°01'40.412"E
3	- 56°53'01.933"N	- 65°32'55.649"E
4	- 50°53'09.5399"N	- 31°07'35.1586"E
5	- 56°50'35.0337"N	- 3°17'54.0924"W
6	- 51°37'49.3245"N	- 39°05'38.3754"W
7	- 58°44'42.7052"N	- 74°05'40.0732"W
8	- 53°59'35.8669"N	- 111°23'46.795"W
9	- 60°01'08.9054"N	- 148°45'59.823"W
10	- 54°02'13.6744"N	- 173°49'01.024"E
11	- 33°08'17.5182"N	- 174°32'10.906"E
12	- 33°05'42.3903"N	- 112°09'25.005"W
13	- 31°07'55.7334"N	- 39°49'45.4538"W
14	- 29°58'51"N	- 31°09'00"E
15	- 31°12'01.4234"N	- 102°09'24.18"E
16	- 4°51'52.2504"S	- 118°20'08.689"E
17	- 6°28'48.7204"S	- 46°14'12.3885"E
18	- 5°47'14.4624"S	- 25°56'40.5856"W
19	- 3°44'48.1646"S	- 97°54'49.9989"W

Korea
Echin
Canada
Holmby
Cairo

20	- 3°10'40.0644"S	- 169°46'12.698"W
21	- 1°02'59.5279"N	- 157°09'31.277"E
22	- 1°39'45.9741"N	- 166°50'09.324"W
23	- 1°38'25.6401"N	- 130°49'13.638"W
24	- 0°59'29.2654"S	- 94°48'58.6443"W
25	- 0°02'09.9289"S	- 58°49'45.0437"W
26	- 1°02'59.5279"S	- 22°50'28.7225"W
27	- 1°39'45.9742"S	- 13°09'50.6766"E
28	- 1°38'25.6401"S	- 49°10'46.3623"E
29	- 0°59'29.2654"S	- 85°11'01.356"E
30	- 0°02'09.9289"N	- 121°10'14.956"E
31	- 10°14'12.979"S	- 139°28'33.182"E
32	- 12°11'38.912"S	- 67°23'08.1291"E
33	- 12°14'12.417"S	- 5°01'52.8242"W
34	- 10°18'19.684"S	- 77°08'18.0602"W
35	- 9°04'32.4504"S	- 148°50'05.798"W
36	- 31°07'55.733"S	- 140°10'14.546"E
37	- 29°58'51"S	- 148°51'00"W
38	- 31°12'01.423"S	- 77°50'35.8201"W
39	- 33°08'17.518"S	- 5°27'49.0937"W
40	- 33°05'42.39"S	- 67°05'34.9946"E
41	- 52°01'17.0186"S	- 141°16'54.823"E
42	- 58°44'42.705"S	- 105°54'19.924"E
43	- 53°59'35.867"S	- 68°36'13.2056"E
44	- 60°01'08.9054"S	- 28°43'40.214"E
45	- 54°02'13.6755"S	- 6°10'58.9748"W
46	- 58°48'53.3758"S	- 43°31'57.017"W
47	- 52°05'21.0073"S	- 78°58'19.59"W
48	- 56°53'01.9331"S	- 114°27'04.353"W
49	- 50°53'09.5399"S	- 148°52'24.843"W
50	- 56°50'35.0337"S	- 176°42'05.894"E

connect them in a triangle pattern; then do the same with points 2, 4, 6, you will have the ancient symbol called the Seal of Solomon (Fig. 13).

Residents of the Gulf Coast area will be especially interested in the location of balance pyramid (3): just off the

Mississippi delta, in the Gulf of Mexico. Satellite readings show that a center of very high energy exists in that area, although the satellite could not accurately plot it.

The statement that an Earth axial pole-shift was a natural part of the change from 3rd Density to 4th Density needs

LD ENERGY WEB
DENSITY LEVEL

Fig. 13

further clarification. The natural situation for a planet and its grid is to be in unison, the grid poles with the planet's axial poles (the magnetic poles being effects of certain grid relationships- also). Therefore, if an axial pole-shift is to take place, the two axial poles which result from this shift will be two of the energy grid's master nodes (N1 through N6 and S1 through S6) that lie 180° apart.

Several published articles refer to the coming axial shift. A number of these, plus my own evaluations, state that the shift will be about 45° . There is also belief that when the shift is completed (fixed), all that was frigid will be tropic and all that is tropic will be frigid. This seems reasonable in light of past findings on the subject, but such statements should not be taken as more than an approximation of the resulting conditions. With all of the above taken into consideration, the new axial poles look to end up at node N4 for the north pole and S6 for the south pole. This arrangement comes the closest to satisfying all expected conditions.

There is, of course, much more that could be written about the World Energy Grid, but I will leave it to each reader to discover for himself or herself what kind of relationships are the most meaningful. All of the data necessary to construct any or all portions of The Grid are spelled out above. Just remember one basic rule: the closer that a junction is to the basic grid breakdown, the more potent is its available energy.

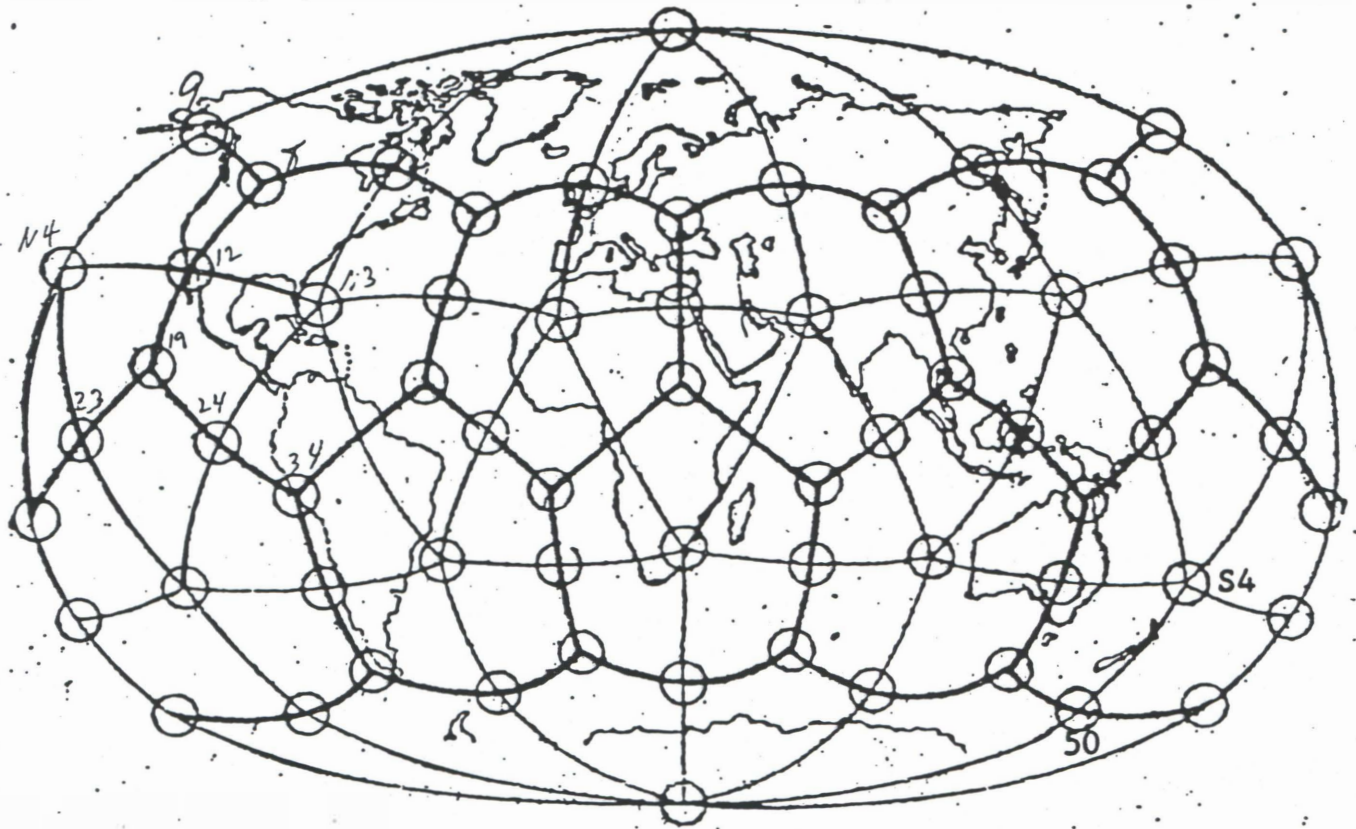
omy will find that many interesting relationships can be developed between the position of the stars (not planets) and grid junctures. Not only do the grid junctures relate to the energies feeding the planet as a whole, but certain (if not all) junction points are tied into and matched with a particular star. In such case, the star's relative position with the celestial sphere is in the same exact position of that grid juncture in Earth coordinates. For example, the Great Pyramid, with Earth coordinates $29^{\circ} 58' 51''$ N - $31^{\circ} 09' 00''$ E is harmonically linked to the star having relative position in the celestial sphere of right ascension 2 hrs. 4 min. 36 sec. and declination of $29^{\circ} 58' 51''$. Only the star/grid relationships of the old 3rd Density grid can be related in this way since, with the new pole locations and alignments, we cannot calculate the new 4th Density grid relationships. In star/grid calculations, do not forget to include the Earth axial grid misalignment in your mathematical models.

For the benefit of those who have not yet surmised as much, I note that the so-called Bermuda Triangle is position N3, and the Devil's Triangle is N5. Each of these twelve master nodes represent the same kind of energy; they are highly energized in a kind of flashing-light sequence.

Finally, it takes only a little imagination to develop almost any form of geometric arrangement, i.e., squares, diamonds, etc., out of the actual grid(s), simply by tying certain grid junction nodes together in the desired form.

PLANETARY GRID

Russian Grid



by Chris Bird

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That our Earth and all matter upon it, whether held to be "living" or "non-living," is but the final result of a transformation of energy has long been suspected by metaphysicians and, comparatively recently, been given support by various branches of contemporary science with physics in the van.

How this energy is ordered or regulated to form matter is a fascinating question to which only a small minority have addressed themselves.

Since World War II, a number of theories, some of them based on a host of careful observations, if not strict experimental proof, have been appearing on the horizons of scientific thought which suggest that the old "aether" of ancient philosophy, tribal wisdom and turn-of-the-century physical science may not be as dead as relativistic physics seems to have proclaimed it. (See, to name one ex-

ample, "Is There An Ether?"—*Industrial Research*, November, 1974, by Professor H.C. Dudley, Radiation Physics, University of Illinois Medical Center).

The idea, too, that elements considered immutable can, in fact, transmute one into another without being subjected to "heavy artillery" bombardment in particle accelerators is finding increasing support. Professor Olivier Costa de Beauregard, one of France's top nuclear theorists, has written an afterword to C. Louis Kervran's latest, and eighth, book on biological transmutations in which he supports Kervran with a new theory that in no way upsets any of the conventional laws of physics as thus far developed. (See C. Louis Kervran, *Preuves en Biologie de Transmutations a Faible Energie — Biological Proofs for Weak Energy Transmutations* — Maloine Publishers, Paris, 1975).

But what of the structure of the unseen universe itself? We are used to thinking of the cosmos as conglomerates of bodies of varying orders of magnitude from atoms, to molecules, to planets, to stars, to galaxies. What of its energetic matrix? It is not of passing interest that in the USSR, a country the ideological stance of which seems to have militated against conjecture beyond the realm of the strictly material, various theories are arising which, taken further, may herald a New Age of exciting ideas. Perhaps the dichotomy between the material and the spiritual is tending toward as much of a rapprochement in the land of the Soviets as it appears to be so tending elsewhere.

From two theories recently propounded in Russia it would appear that Earth, or Gaia — as the novelist William Golding suggested our planet should be called — after the name given to it by the ancient Greeks in celebration of their earth goddess — may be harboring a network, lattice or matrix of cosmic energy the study of which will give us more understanding of her structure than we

have heretofore possessed.

On the last day of 1973, *Komsomol's Pravda*, the official newspaper for the Soviet Union's younger generation, ran a controversial article: "Earth, What Are You Anyway?" The story suggested that, far from being a simple spheroid, our globe started out as a crystal with angular dimensions. Only after millennia of motion and the actions of many forces did this crystal round itself into a ball.

Certain Soviet scientists are now maintaining that the "boundaries" of the former crystal now lie buried and preserved within the body of our planet. Some of them may protrude, however imperceptibly, through its surface in the same way that parts of the skeleton bonily project through the taut skin of a thin or emaciated human or animal.

Nikolai Goncharov, a Muscovite historian enthralled by the ancient world, knew nothing of these new and disputable theories. It occurred to him to mark on a globe all the centers of earliest human culture. Somewhere within him an "intuitive impulse," as the Russian youth newspaper put it, suggested that there might be a pattern, a geometric regularity, behind their genesis.

It was only after Goncharov met Vyacheslav Morozov, a construction engineer, and Valery Makarov, a specialist in electronics, that his vague impulse became first a suspicion, then a hypothesis. After several years' work, it appeared in *Khimiya i Zhizn* (Chemistry and Life), the popular science journal of the USSR Academy of Sciences under the title: "Is the Earth a Large Crystal?"

The main thrust of the article, based on studies made by the three collaborators of data taken from fields as widely separated as archaeology, geochemistry, ornithology and meteorology, was the suggestion that the earth projects from within itself to the surface a dual geometrically regularized grid. The first part of this grid forms twelve pentagonal slabs over the sphere from which evi-

dence the research triumvirate suggested that the first shape of the earth had just such an outline. In other words, it was a dodecahedron.

While this allegation may seem fantastic at the outset, the idea of the earth as a geometric shape goes back in history at least to the Pythagorean school of thinking in ancient Greece. Its famous adherent, Plato, wrote that "the earth, viewed from above, resembles a ball sewn from twelve pieces of skin."

The other part of the grid, says the three Russians, causes the ball to be sewn from twenty equilateral triangles, making of the planet an icosahedron. By superimposing the entire dual grid over the face of the planet, the researchers say, they have discovered what possibly may be the earth's energy structure or skeleton.

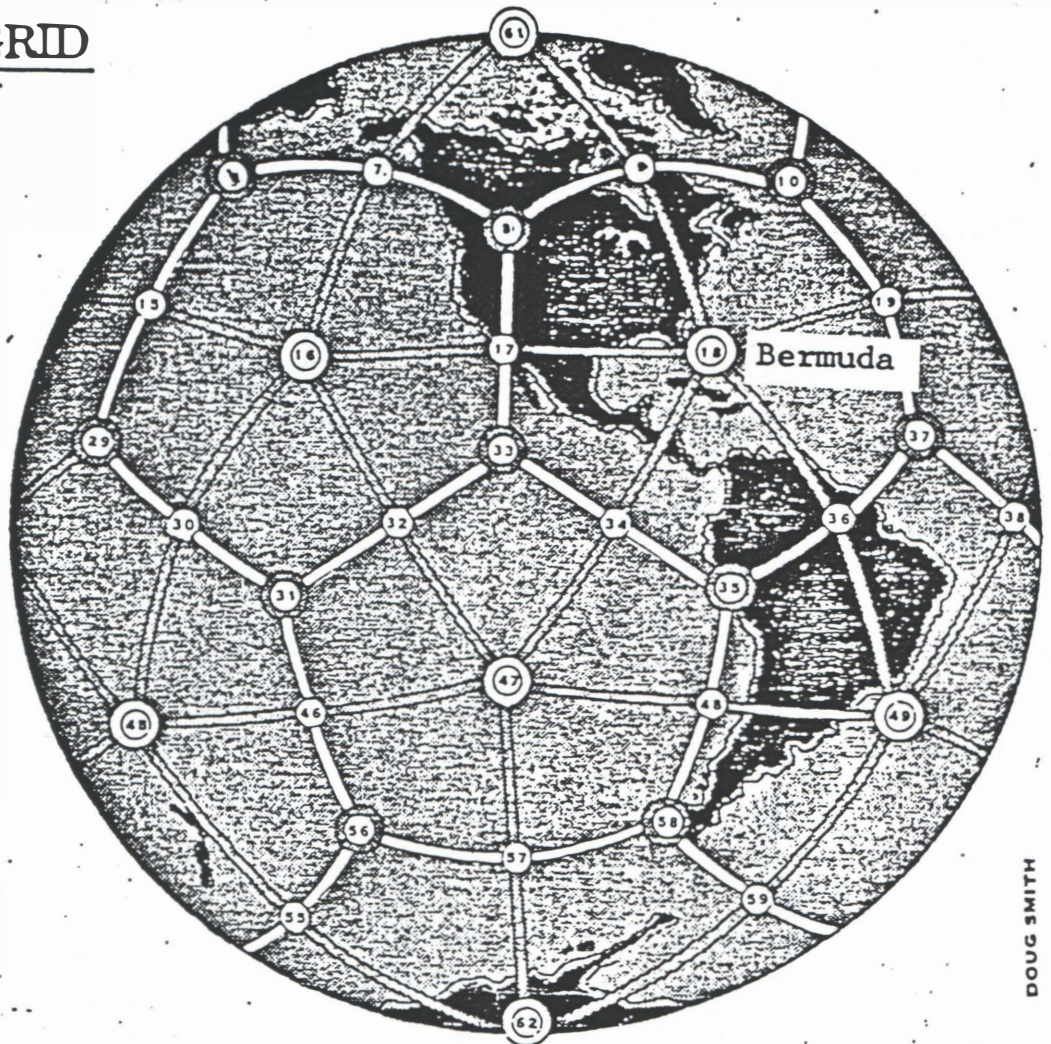
Though any mathematician might skeptically complain that the sphere could be decomposed in another 1001 ways, the Russians hold that intriguing characteristics for the dodecahedral-icosahedral "sewings" appear when it is carefully noted where the "seams" pass or where they intersect over features in the earth's makeup.

The first intriguing characteristic found by the Russians was that the ribs of their dual grid coincide with mid-oceanic ridges, core faults and zones of active risings and depressions on the ocean floors. If one looks at vertices of the triangles, one finds one of them in the region near Florida at, or very near, the center of the much-heralded "Devil's Bermuda Triangle," recently celebrated for the mysterious disappearance of ships and planes. The Russians also mention that Ivan Sanderson, the professional biologist who founded the Society for the Investigation of the Unexplained in Columbia, New Jersey, has written that the triangle is not the only infamous region on the earth's surface but that there are nine others.

The ten regions, says Sanderson, are symmetrically situated around the globe, five above, five below, at equal distances from the equator.

PLANETARY GRID

Chris Bird



DOUG SMITH

Had the American investigator thought to add two more points, at the north and south poles, say the Russians, his scheme would have precisely coincided with the model which they have adopted. (The twelve points are 12, 14, 16, 18, 20, 41, 43, 45, 47, 49, 61, 62.)

Another characteristic which caught the attention of the threesome was that of the coincidence of the various edges of their polygons with the junctures of "slabs" or "plates" which many scientists credit with being the regions where volcanic and seismic activity proliferate. Checking magnetic maps, the Russians also found that the centers of all world magnetic anomalies overlap with the vertices of the polygons in their grid. They point out that, in crystals, the most interesting events take place at the nodes and edges of the crystal lattice. If their hypothesis is correct, as they allege, just such a structural "lattice" may run through our planet to determine events occurring on its surface.

Turning next to meteorological maps, the authors of the Khimiya i

Zhizn' article found that all global centers of maximal and minimal atmospheric pressure occur at the nodes of the grid, that they coincide with areas in which hurricanes originate, and that the paths of hurricanes follow the ribs of the grid, as do many of the earth's prevailing winds and water currents.

Other coincidences detected by Goncharov, Morozov and Makarov include: the mid-Atlantic underwater ridge traced out by two of the ribs of a dodecahedron (from intersections 10 to 37); by rotating the entire grid such that one of the ribs of an icosahedron falls along the globe's axis, the ridges and faults which did not fall along the edges of a dodecahedron are coincidental with those of icosahedrons; the regions of the earth receiving maximal amounts of solar radiation seem to match those over which the grid's intersections occur (the most important being located at intersections 1, 17 and 41).

The authors state that there is evidence that the intersections of the grid, which makes up a kind of power matrix, are activated alternately,

like traffic lights, and operate for certain intervals of time.

When they showed their grid system to a geologist, V.I. Avinsky, he affirmed that the earth is in no way an ideal sphere, but a so-called cardioid, with convexity and concavity, the divergences of which correspond exactly to the intersections of the grid over the globe. They go on to maintain that at one of these points (intersection 40) in the new African republic of Gabon, there was recently discovered a "natural atomic reactor" which operated over 1.7 billion years ago and at which a concentration of U-235 reached a level necessary for the beginning of a chain reaction.

Among other anomalies presented by the grid, the authors cite the presence of large deposits of mineral ores which lie along the faults or folds of the earth's crust and often follow the grid's ribs. Rich oil deposits, such as the gigantic Tyumen oil field (intersection 3) have been found where ribs cross. "Is it possible," write the authors, "that our dodecahedral-icosahedral system can be of more than theoretical interest for



geologists, geophysicists and geochemists?"

The research trio notes that global geological structures have begun to be examined from outer space, both by astronauts and through pictures taken from satellites. Some of these have already been correlated with the ribs of the grid. The Russian cosmonaut, Sevastyanov, has written that the Ural fold region projects further to the south than is shown on existing maps, extending almost all the way to the Persian Gulf along one of the ribs. A gigantic fault from Morocco to Pakistan, neatly coinciding with the cosahedral rib (from intersections 20 to 12) has also been determined from space.

The authors claim that their examination of color photographs taken from Gemini spacecraft have revealed to them clearly circular geological structures some 200-350 kilometers in diameter which are located in Morocco (intersection 20), California (intersection 17) and near Florida (intersection 18). Study of geochemical and biogeochemical phenomena, the authors hold, may tend to bear out

that the "earth crystal" will prove to have had, and to have, an important effect on the planet's biosphere. They state that in Europe and Asia (intersections 2 and 4), there are two large biogeochemical regions in the soils of which one type of element is lacking while others are in excess. This has led, in turn, to special developments in the natural selection of plants and animals. At Lake Baikal (intersection 4), according to the authors, three quarters of the animals and plants are unique.

Since ornithologists these days favor the idea that migratory birds may unerringly voyage due to their sensitivity to the earth's magnetic field, the authors ask whether the major regions for the wintering of birds occurs at certain intersections of their system (12, 20 and 41).

Even man, say the authors, has been unable to escape the influence of the earth-crystal on the biosphere of which he is a part. Maintaining that cultural development itself could have been accelerated by the energies emitted at intersections of their grid, they believe that their supposi-

tion is partially borne out by the fact that the birthplaces of such ancient cultures as the Egyptian at the mouth of the Nile, the Mohenjo-Daro in the Indus Valley, Ancient Ireland, Peru, Easter Island, Northern Mongolia and others are located right at the intersections of their system. They state that, by using the location of the pyramids at Gizeh as intersection 1, they can construct the entire grid system to conform more fruitfully to all the anomalies listed above than by using geological, geophysical or any other guidelines.

Commenting on the Khimiya i Zhizn' article, M. Favorskaya, a doctor of mineralogical sciences, writes: "Geologists are becoming increasingly interested in the relationships between zones and junctions on our planet and long-established geochemical and thermal activity. These phenomena evidence the existence of anomalies in the earth's structure and provide cause for investigating the reasons for such irregularities. The problem becomes even more interesting in light of the fact that, in many cases, there is a correspon-

PLANETARY GRID

Chris Bird

dence between large deposits and these active zones."

She reports that at the International Volcanological Symposium held in Bucharest, Rumania, in September 1973, a Czech scientist (Ya. Kutina) presented a paper entitled "The Planetary Network of Faults and Its Significance in the Prognosis of Ore Deposits," according to which the junctions of a network were located at equal distances from one another. While suggesting that the hypothesis that the earth may be a crystal is most intriguing, Favorskaya stresses that, as a geologist, she was interested in the amount of evidence its authors put forward and adds that their statements regarding a "periodic activation of the system's junctions" is in agreement with the current conceptions of many geologists and mineralogists. A great deal of work remains to be done to prove out the theory, concludes Favorskaya.

To further tantalize young Soviet readers into study of the Goncharov-Morozov-Makarov hypothesis, the editors of *Komsomol'skaya Pravda* printed an illustration of a sphere with "horns," thirty eight examples of which were found, made of gold, in Vietnam and one, of bronze, in France.

The shape of these spheres and the marking upon them, say the editors, have not been understood by scientists. Some have maintained that the spheres represent calendars, others that they are astrological symbols of some kind. "As you may have guessed," they continue, "the three researchers, Goncharov, Morozov and Makarov have their own interpretation: Does this object not resemble their structural model in number of edges and nodes?"

Even before the article on the earth-grid had appeared, *Tekhnika i Molodezhi* (Technics and Youth), one of the USSR's leading journals for popular science, came out in September 1973 with an article by Vitaly Kabachenko, a sculptor from Sochi, a Georgian seaside resort on the Black Sea.

"While studying photos of the earth taken from space," it began, "I have discovered an effect of integration: a deep-seated structure of the lithosphere (the upper hard core of the earth) which sometimes literally 'shines through' accumulated sediments so that the topography corresponds to subsurface structures."

Kabachenko's article, entitled "Discovering Invisible Links" indicates that the starting point of his studies was a collection of geological maps. Like Goncharov, Morozov and Makarov, he detected — with what seems to be an artist's "third eye" — a kind of grid upon them, though on a much smaller scale and composed of squares. This grid he interprets as the projection of a three-dimensional cubiform lattice around which the structure of the lithosphere is organized.

Stating that it would be logical to conclude that the lattice is not only within the earth itself but also above its surface, Kabachenko reasoned that its presence should be detectable in the structure of mobile media such as water and clouds and that whatever has taken place in the lithosphere over millions of years at a slow pace, must take place in water and clouds much faster, within hours or minutes.

Kabachenko asserts that he has verified this assumption through the study of many pictures taken from planes and satellites. "I have noted on many occasions how, in the sky, a barely noticeable network of nebulous streaks form," he writes. "They gradually expand and the network becomes less and less clear among the thickening clouds. I also observed how on the surface of the ocean black streaks would appear and intersect one another at the same angles. More surprising is the fact that clouds corresponded to the dark streaks. This phenomenon, systematically repeated, led to the following idea: the grid of streaks on the surface of the ocean must in turn reflect the structural peculiarity of the ocean bottom. This means that by looking at

a photo taken from space one might form a picture of the structural peculiarities of the lithosphere by examining the lace-like structure of clouds and dark streaks of the hydrosphere. I call this phenomenon 'the effect of regularity'."

Kabachenko suggests that ore deposits in the planet might be concentrated in zones which cannot always be clearly seen under the mantle of sediments and that the study of clouds and the ocean might provide an "X-ray photo" of the deep-seated structure of our earth.

Then, abruptly, Kabachenko seems to anticipate part of the findings of the research trio as set forth above. "On pictures of the earth taken from space probes," he writes, "it can be clearly seen that with an increase in the altitude from which they are taken, the smaller grid contains elements of a larger structure which basically characterizes the face of our planet."

To explain the invisible but all-permeating structural network he believes he has come upon, Kabachenko points to an experiment performed at the Institute of Crystallography of the USSR Academy of Sciences by a doctor of physical and mathematical sciences, G.I. Dietler, in 1963. Dietler covered the surface of a tiny seed crystal with an insulating film of paraffin and put it in a solution made up of a super-saturated solution of a given compound. He was surprised to note that the tiny crystal began to grow as if there were no insulating film. The deposition on the film went on as dictated by the structural seed. This remote effect can be explained, according to Kabachenko, by the fact that information on the structure of the tiny crystal was "recorded in the form of electrical fields which were not fully shielded by the film."

The same could have happened on our planet, according to Kabachenko, the lithosphere's formation having depended upon the electrostatic field of the earth which is only beginning to be studied.

Kabachenko's theory was commented on by Dr. Valdimir Neiman, a geologist and mineralogist, who noted that for a long time specialists have pointed to various manifestations of regularities and discontinuities of terrestrial structures. The dean of the Moscow Institute of Engineering, Geodesy, Aerial Photography and Cartography, V. Piotrovsky, showed that dimensions in the earth's relief are not random but distributed in definitive groups, or clusters.

An amateur astronomer, M. Shemlyakin, says Neiman has determined that chains of craters on the moon form series wherein the diameter of each successive crater is the square root of 2 greater than the preceding one, and that the distance between the centers of the craters changes correspondingly.

Neiman, who has published a book on the transmutation of elements, a theory thus far also enunciated only by the French savant, C. Louis Kervran, says that he has the notion that elements may have evolved on earth in a similar way proceeding from Nitrogen to Silicon to Iron to Cadmium to Radium according to the formula: N-14 to Si-28 to Fe-56 to Ca-112 to Radium-224, with the atomic weight doubling over a strictly determined period of time. In other words the regularity can be seen not only in space but in time as well.

Neiman claims that Kabachenko has studied hundreds of aerial photos from which he has determined a system of known — as well as unknown but predictable — geophysical fault zones which tie into a single global network. This hierarchy of zones, ranging from extremely large to extremely small, he then mentally extends down into the finest crystalline structures. His whole grid system thus resembles lattices within lattices, all of different orders of magnitude, to make up a general lattice of the entire universe.

Having found that clouds seem to form along the rods of the lattice, and extending this conception to solid bodies, Kabachenko, reports Neiman,

learned to feel the dynamics of terrestrial elements. With his apparent supersensory powers, he has also found anomalies in the pictures of structures on the moon and Mars. From his studies he believes that in a zone where two unequal "halves" join, a "fusion of matter" takes place, the fusion following a spiral path winding its way around one of the rods of the lattice.

"Looking with Kabachenko's eyes," writes Neiman, "I also begin to notice the same thing. I believe the reader can notice it too. By adopting this point of view one inescapably comes to the conclusion that the opposing parts — the "beginning" and the "end" — of any formations of geological elements must be unequal and polar in nature. Take the Urals for instance (one could take another area just as well). That mountain range begins by zigzagging in the Arctic. Continuing southwards, it suddenly becomes wider at the latitude of Sverdlovsk. What happened to the easternmost strip of Urals north of Sverdlovsk?

Neiman regrets that hardly any study has been given to the question of polarity. As for the "lattice of the universe," as he and Kabachenko dub it, Neiman holds that within it are located not only planets and stars but galaxies and intra-galactic space as well.

Stating that many scientists rely on the concept of a primordial initial chaos to explain the formation of the cosmos — meteorites coming together at random to form planets, life arising from randomly coalesced organic molecules — Neiman says he rejects this idea. "Rather," he writes, "one may assert that there exist in nature regulatory pulsations correlating the actions of its separate links by magnifying some phenomena and minimizing others. For example, a Moscow engineer has determined that at times of alignment of the Earth, Mars and Jupiter, the temperature on earth increases sharply and that, simultaneously, the number of sunspots increases and the so-called

proton flares occur (as studied by V. Kozloy, a member of the Kola Peninsula branch of the USSR Academy of Sciences)."

"It is the lattice," writes Neiman, "that governs the path of the pulses through space. Each group of signals travels along the faces of the lattice. It is not by chance that photos taken in polarized light reveal the lattice much more clearly. The lattice also accounts for the appearance and preservation in space of such two dimensional formations as the rings of Saturn and, on Earth, of these regular systems of fissures which geologists call faults or linear structures which are accompanied by high electrostatic fields. At the nodes of the lattice where three groups of signals intersect, or are 'focused,' are the locations where matter most probably is created. And depending on the order of magnitude of the lattice, various "point-like formations" are brought into being such as planets, stars and galaxies.

"The very possibility that something can be 'born out of nothing' (actually at the expense of the energy forms of matter) has already been theoretically predicted," stresses Neiman. "If this is so, then there is undoubtedly a reverse process in which matter disappears into 'black holes'."

The ideas of the fusion of matters taking place in a spiral fashion are reminiscent of a number of theories not the least is that of the late Dr. Wilhelm Reich, who claimed that the life force, or aether, which he called orgone, travelled in spiral waves which when superimposed on each other caused the creation of matter.

It would be of great interest to learn if readers of The New Age Journal can adduce new evidence in support of the hypotheses advanced by the Russians with whom the author is in contact.

Chris Bird is a contributing editor to NAJ and co-author of the best-seller, The Secret Life of Plants.

