

Expanding Earth and Receding Seas

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Sea Levels have been receding for ages: how long we will never know? All we do know is what we are told by scientists, that sea levels are rising and will continue to rise due to Global Warming. This is Science Fiction. Sea levels will continue to decline. Sea levels around the United States and Canada have receded significantly in recent recorded history i.e. in the last five hundred years of European occupation. The Island of Manhattan has almost doubled its land size since the Dutch established their colony there in 1621. The recent discovery of a 200 year old hulk of a ship at the Ground Zero site shows that the sea has moved out 1800 feet in 200 years. Another ship's hulk discovered on Pearl Street 1000 feet from the sea tells us the same story. Pearl Street fronted on the East River 300 years ago. I site Manhattan in New York as an example because of its high profile. The Phenomenon, however, is not confined to North America alone. it is global. Worldwide the sea continues to recede and bequeath new land to us. The Earth is mysterious and has managed to delude us throughout the ages: especially over the last two hundred years since we have become, supposedly, more enlightened. This paper will show the mysterious historical correlation between Earth Expansion, Receding Seas, and the evolution and development of ancient civilizations.

1. Introduction

I come from the Northwest Territory of Canada, where Global Warming is very much in evidence. For example, the Inuit population over several generations has been observing that Hudson Bay is getting shallower as the sea recedes; yet they are told by the Government experts that the sea level is actually rising. As remote as Hudson Bay may appear to all of us here the same similarities in Sea level decline occur in all parts of the world. This recession of the seas is not only occurring today but has been occurring throughout history and prehistory as I will endeavor to show in this presentation.

In the process I will outline several conflicting arguments with, what is generally accepted thought. The points are in opposition to these main stream theories so I will beg your indulgence. I am by profession a Structural Engineer, not a scientist, and much of what I will relate to you was derived from practical examples experienced in engineering fieldwork over my lifetime. Engineers are constantly concerned with topographical elevations or levels and it is this particular peculiarity that I will be dealing with in this treatise.

A dread, a fear permeates our thoughts in recent years. There is a concern brought on by the media hype and various forecasters in the scientific fraternity that sea levels are rising and will continue to rise and inundate our cities, The cause of this alarm is "Global Warming" It is forcaster that because of this phenomenon the Ice Caps and Glaciers will melt. The resultant influx of fresh water from this massive polar source will cause sea levels to rise. I have no problem with "Global Warming" the earth is getting hotter: all the symptoms are there. How much of this hype is contrived is your guess as well as mine because we will all have to wait and see if sea levels are going to rise and inundate us in the next fifty years. That waiting period may prove too long for some of us like myself.

Global Warming, however, is not my focus today, I just made mention of that controversial subject as a preamble of what I am about to deal with.

Our earth is deceptive in her behavioral patterns as I will show. Seeing is not always believing. All theories formulated are based on observations and subsequent deductions made from those observations. The earth has managed to fool us continually because of observation made and deductions arrived at by those deductions. For example, if I say that Earthquakes are a manifestation of earth expansion. What makes me able to make such a statement. What observation do I base this assumption on? Well for one, when an earthquake occurs, it sometimes leaves a gap or fissure in the earth's surface. Is that gap or fissure indicative of expansion? Well, it did add to the surface to the earth in a infinitesimal way. Globally it didn't even seem to matter? However, thousands of earthquakes occur daily all over the world and many of them leave these fissures on land as well as under the sea. Collectively they constitute expansion on a global scale [15].

Volcanoes also contribute to the expansion process. They are constantly pumping Lava out on to the surface of the Planet. The greatest activity of these volcanoes around the Pacific contribute new land mass to the planet on both land and under the sea. When we consider that the sea covers 70% of the Planet we see that most of the lava pumped out from the earth is hidden from detection under the seas. All this lava adds dimension and girth to the earth's surface in a most mysterious way: a mystery which, again, evades detection.

Moreover, another by-product of land-mass mobility has apparently gone unnoticed by science. It is deserving of the same level of recognition accorded plate tectonics. If it has been noticed, It has been ignored, If it has not been ignored, then, there has been silence. This area is worthy of study and investigation for it relates to the understanding and knowledge of our planet's destiny. It is a fundamental part of proof that our planet earth is expanding.

I will now proceed to present to you a number of examples of this insidious phenomenon of earth expansion: Receding Seas. This phenomenon is Global as earthquakes and volcanoes are and they are related in their sinister design. The phenomenon

occurs on every continent on earth so I will choose examples from a variety of locations in order to bring the subject matter graphically home to you.

I will start with Italy for two reasons. The first is that I am now preparing a paper for a conference to be held there in October and have a lot of material already prepared for that event. The second reason is that Italy and the history of Rome and its Empire is a prominent part of current history, i.e. in the last 2000 years and with which we, as scholars, are mostly familiar. It is therefore a suitable choice, because it provides us with relatively recent sea level conditions. These sea levels we will use as a basis to compare with sea levels at a much more remote time in history prior to Roman times.

The City of Rome, legend relates, was founded by twin brothers Romulus and Remus. In those long-gone times, the adjacent coast-line was described in history as a vast malarial swamp. A similar swampy inhospitable terrain covered all the coastline of Italy on the Mediterranean as well as the Adriatic. The early city was established on seven hills. The elevated location was doubtless the best available site for optimizing the settlements need for security, health and stability.(1)

Between 300 BC and 100 AD a spell of approximately four hundred years Ostia, a settlement at the estuary of the Tiber was "Portus Romanus" The chief Port of Rome. The Emperor Claudius built the first harbour by excavating on the foreshore. All the grain and other valuable commodities gathered from the far flung reaches of the Empire were brought by sea to the harbor at Ostia. From Ostia, barges, pulled along the Tiber by Oxen, moved the goods to Rome a distance of fourteen miles upriver.(1)(2)

Large Warehouses were built on the Tiber in Rome to store and distribute the goods. It was only fifty years ago, during highway construction these warehouses were unearthed.(1)(2)

The harbor at Ostia, despite frequent dredging, in time lost its battle against the receding sea. The popular misconception then as now was that the River Tiber silted up the harbor making it useless for shipping. The Emperor Trajan built another harbor, Portus, four miles to the west of Ostia and away from the mouth of the Tiber. That harbor also was soon rendered useless because of the receding sea. Successive attempts to keep it open by dredging proved futile.(1)(2)

Today both harbors built at Ostia by Claudius and at Portus by Trajan are three miles from the sea. Ostia is no longer at the estuary of the Tiber. The estuary is now three miles from Ostia. Today Rome's Fiumicino Airport covers a major portion of the site of Trajan's harbor at Portus.(1)

Ostia was also renowned in those bygone days for its salt production. The salt manufacturing process was basically simple. Large vats, or pans, as they were called, were constructed at sea level. The sea at high tide flooded into the vats. Before the tides went out again sluice gates were closed capturing the sea water in the vats. Today the salt pans can still be seen but they are also three miles from the sea and twenty feet above sea level.(1)(2)

On the Adriatic Coast of Italy, the city of Ravenna was once established as a Roman Naval Base. The city was constructed on stilts because of the swamps. Today the swamps are gone and the city of Ravenna is six miles inland.(9)

Racanati another town founded around this time on the Adriatic Marshes, enjoys a certain distinction as the birthplace of the famous tenor Beniamino Gigli, who died in 1957. As a student in London, I recall his remarks at a farewell concert prior to his retirement, that he was a proud son of that town. Though once a bustling port on the Adriatic, it was now six miles inland.

These few examples are representative of this region a relatively small portion of the earth's surface. They are preliminary to what I will show is a worldwide phenomenon.

In all comparisons it is useful to have a datum: a reference point.

Our reference point in all these comparisons or relative levels is historical data. So we have to go back further than the relatively recent history of Rome to find a comparable datum. What better datum can we find than sea levels in ancient Mesopotamia the so-called cradle of civilization.

Nineveh, history tells us, is the oldest city in Mesopotamia. Nineveh was established away back into prehistory. We know that it was the capital of the mighty Assyrian Empire. Nineveh was established on the estuary of the Tigris River when the sea was at Nineveh. Today Nineveh is 700 feet above sea level and 600 miles from the Persian Gulf.

The city of Ashur rose to prominence after the decline of Nineveh and the expansion of the Assyrian Empire. Ashur was established on estuary of the Tigris when it was washed by the tides. Ashur is 500 miles from the Persian Gulf today and nearly 450 feet above sea level.

The city of Babylon was established on the Estuary of the Euphrates River when the sea level was at Babylon. Today Babylon is 400 miles from the sea and 150 feet above sea level.

The City of Ur of the Chaldees was established on the estuary of Euphrates. The city is famous as being the birthplace of Abraham the Patriarch of the Jewish people. When Abraham lived at Ur it was a teeming bustling seaport on the Gulf. Today Ur is 250 miles from the sea and 120 feet above sea level.

The city of Baghdad in antiquity was established on the estuary of the Tigris and at one time had a harbor. Today Baghdad is 350 miles from the sea and 135 feet above sea level.

Historians are not aware of the phenomenon of Receding Seas. They tell us that Nineveh, the capital of the ancient Assyrian Empire, was the oldest city in Assyria. They can only relay a portion of the story because they are unaware of the rest of the facts. What they don't know is that Nineveh is not just the oldest city in the Assyrian Empire but it is the oldest city in all Mesopotamia. All the other cities established on the Tigris and Euphrates Rivers were established in descending order of age coming downward from Nineveh. Nineveh was therefore not just, the oldest city in Assyria but it was the first city in all of Mesopotamia.(16)

So using the sea level of 700 feet at ancient Nineveh as a datum we can now relate that sea level with the sea level decline that has taken place downward from Nineveh to Ostia during the ensuing thousands of years.

We can also use this datum to interpolate and compare in related regression sea levels in other parts of the Mediterranean.

In Egypt for example, the city of Ramses figured significant in Jewish History and in the Exodus story. The location of this city was lost from the historical records. Archaeologists were aware

of its historical significance and importance. The historical records revealed that Ramses had once existed as a harbor. Archaeologists therefore concentrated their search along the Mediterranean coast. Ramses was finally discovered by a farmer and purely by accident. The farmer was working in his field when his plough struck a huge stone. The stone had hieroglyphs which when deciphered by experts revealed that they had discovered the ancient city. Ramses was discovered in 1888 and the historic discovery was only equaled by the mysterious conundrum it posed. The city was discovered 6 miles inland on the Nile Delta.(12)

The same historical information was known about the city of Pithom: it had a harbor. Having found Ramses it was relatively easy to find Pithom but Pithom to their surprise had no harbor. It was discovered close to the city of Ismailia which is in the middle of the Suez Canal.(12)

Pharaoh, in order to gain access to the Red Sea, built a canal from a tributary of the Nile to Pithom. Pithom, from the historical records, is located very near to where the Israelites crossed the Red Sea. The depression of the ancient canal can still be seen to end at Pithom indicating clearly that the Red Sea was there. Today however the Red Sea has receded 50 miles from Pithom. That is to say 50 miles from where the Israelites made their historic crossing.(12)

The ancient city of Thebes was the capital of upper Egypt. Egyptian Civilization like all ancient civilizations developed downward from highlands. Egyptian Civilization started up in the highlands of Sudanese plateau and the Abyssinian highlands. This development is indicated by the downward development I have just indicated which took place in Mesopotamia the cradle of civilization. The ancient harbour of Thebes has been discovered on the Red Sea and Archaeologists were puzzled. The source of their puzzlement? The Harbour facilities or docks were high above the current sea level in the Red Sea.(12)

It is important to add at this juncture the point I have just glossed over. All ancient civilizations evolved first of all in high mountain regions around the world. The only explanation for this is the height of sea levels back then. Sea levels have been receding steadily from prehistoric times to the present day. Why is this so.? How is it that this has never been known before, I will deal with these answers later.(17)

When Saint Paul travelled in the Mediterranean spreading the gospel in the first century, he stopped on occasion in Ephesus which is in modern Turkey. At that time Ephesus had a harbor. Today the city of Ephesus is six miles inland.(3)(10)

The ancient city of Troy on the Aegean Sea had a harbor. It was vast enough to accommodate all 1,000 Greek ships in the invasion to capture Helen. Today the city of Troy is six miles inland.(6)(7)

The City of Mycenae in Greece was also famous for its part in the Trojan War. It was the port from which the Greek Armada sailed to lay siege to Troy. Today, however, Mycenae is six miles inland.(6)(7)

So I have here shown these examples around the Mediterranean, The Adriatic and the Aegean Seas, and I have also indicated that Nineveh was also once at sea level. Enter

For purposes of comparison let us leave the Mediterranean and take a look at what has been happening along the Coastline of Britain.

The Town of Sandwich located on the south Coast of Britain once was located on a large harbor. The Town boasted that its harbour could hold all the ships in the British Empire. Today Sandwich is three miles inland.(18)

The town of Richborough also on the south coast of Britain was once a Roman Naval port. Today Richborough is also three miles inland. All the cinque ports on the southeastern coast of Britain have lost their harbors since the Middle Ages and are now inland.(18)

Camber Castle a famous fort on the south coast of Britain was commissioned by Henry VIII. It was built on the seashore. The fort became obsolete before it was completed because by that time the sea had receded. The sea had receded beyond the cannon range of the fort.(18)

In Wales there are approximately four hundred forts and Castles most of which were once built on the sea. Today none of them are remotely related to the sea they once overlooked. In addition all the coastal roads built by the Romans are now far inland.(18)

Two miles off the coast at Penzance on Britain's south coast there is a castle. The castle of St Michael Mount is related to the Abbey San Michael in France. In times past the tides moved in and out across the two miles that separated the Castle from the Mainland. Today the Castle is fast becoming part of the mainland as you can now walk to the Castle without fear of the tides. On the seafront at Panzance there is a municipal swimming pool. It was pointed out to me that the Municipal swimming pool was built on land deserted by the sea.(18)

On the Normandy coast of France the Abbey San Michel was built on a rock five miles out in the English Channel. Construction of the Abbey started one thousand years ago in 1013. At that time the Abbey was surrounded by a tidal movement of 45 feet. Over the years it has been observed that the tides are ebbing further and further from the Abbey. Today the sea floor deserted by the sea is grazing sheep and the Abbey is fast becoming part of the French Mainland.

I have put forward several examples using known historical locations and landmarks to illustrate graphically the receding Seas Phenomenon throughout history. I have used these historical locations, pointed out previously, in order to establish a sea level datum at Nineveh in ancient Mesopotamia. My intention was to use this ancient sea level as a datum against which we can interpolate sea levels downward from Nineveh that many thousands of years ago. I then illustrated how this same recession thousands of years later doomed the Port of Ostia and later sealed the fate of Portus. I have used this same Nineveh Datum to take us through the middle ages to show how receding seas encapsulated Sandwich and Richborough on the south coast of Britain.

I will now attempt to bring you up to date on the progressive recession of sea level to demonstrate that the sea level recession is still going on today. Having dealt with many examples in the Old World I will now site current examples from the New World. So Let us cross the Atlantic and focus on some locations in North America.

During recent excavation for the foundations of the New World Trade Center in New York the hulk of a ship was unearthed. Archaeologists were called in to examine the find. They determined that the ship was 200 years old. They also confirmed that two hundred years ago the New York Docks were in that location. The ship was found eighteen hundred feet from the Hudson River on the West side of Manhattan. In time the city will encroach on more of the Hudson River shoreline as the sea level falls' The New York public library recently featured an exhibition, which I attended, showing the dramatic changes in the New York and Brooklyn waterfronts over four hundred years. It is commonly known that the Coastline of Manhattan and Brooklyn have grown a quarter mile over that time period. The Island of Manhattan is now almost twice its original size since the Dutch settled it four hundred years ago. It is also known that the entire coastline consisted of marshes which have long since disappeared.(13)

The New York Public Library featured an exhibition in early 2010, which I attended. It showed the dramatic changes in the New York and Brooklyn shorelines over four hundred years. It is commonly known that the coastlines of Manhattan and Brooklyn have grown a quarter mile over that period. The Island of Manhattan is now almost twice its original size since the Dutch settled there in 1621. It is also know that the entire coastline consisted of marshes.

On the East side of Manhattan the hulk of another ship was unearthed some years ago during construction work on Pearl Street'. The find was made near the junction of Wall Street and Pearl Street. Three hundred years ago Wall Street ended at Pearl Street, because Pearl Street was on the East River waterfront. Today Wall Street has extended another quarter mile beyond Pearl Street. Pearl Street was also superceded by three other Streets out towards the East River, namely Water Street, Front Street and FDR Drive. In time the city expansion will take in more of the East River as the sea recedes.

The Environmental Protection Agency in New York is concerned that the Marshes are drying up and dying in Jamaica Bay, New York. The entire bay opening on the east river is drying up. The explanation is simple. The Marshes are supported by sea level. When the sea level recedes and falls it drains the marshes and they dry up and die. That is also a Global occurrence as mentioned previously about the marshes in Italy.

When the first colonists landed in North America the entire east coast was marshlands. Today they are all gone or going.

At this juncture it is important to make a point about sea levels. It is amazing that over thousands of years the receding seas phenomenon has never been recognized or detected scientifically. There are several reasons for this, one of the most prevalent being that sea levels through the ages have always been assumed constant. Another reason is that all ancient cities were established on River Estuaries. As the cities lost their harbors due to the receding seas the inhabitants attributed the reason to the river silting up. This concept still persists to the present time. Of course no notice was taken of the actual decline and fall of the sea level because sea level was never the culprit it was always the siltation of the rivers. Once science can recognize and accept that this phenomenon of receding seas exists it will open up thrmen-dous new discoveries for the future and unearth many mysteries

from the past. It will also usher in a new age of enlightenment in Geology and earth sciences.

The most prominent reason for the lack of detection through the ages is the slow progress of recession on the human time-scale. By this I mean that the average human life expectancy today is in the region of seventy years. Long ago it was much less. During the average lifetime the recession process is so small that it is almost indiscernable to the human observer. That human observer would have had to have a almost daily association with the sea to discern any significant difference over a seventy year span. Any observation, no matter how well intentioned, would be rendered almost impossible by the daily in and out movement of Tides. In order for anyone to observe any meaningful fall in sea level that person would have to live for one hundred years. They would have to span the gap of a few generations. During that time they would have to remain focused constantly on that objective and that objective alone. Fortunately a recent a solution has been found albeit a most unlikely one which will without a doubt solve the mystery of receding seas once and for all.(14)

The State of New Jersey has been using aerial photography for mapping and surveys since 1922. Sometime in the last fifty years aerial photographs have revealed that the land mass on the Jersey coastline had been growing outward as the sea recedes. The State claims Riparian Rights on any lands washed by the tides so they have laid claim to these new lands left behind by the receding sea. The new land is prime waterfront and as such is being sold to Casino and Hotel owners at top dollar to benefit the school fund. Donald Trump built his Taj Mahal Casino on these lands and so did the Playboy Club. But that is not all.(14)

The state has become cognizant of the rewards that can accrue from this land bonanza. They have been poring over old maps and surveys. Their intention is to try to determine where the seashore was back at the time of the American war of independence when the colonist broke away from Britain. They see a tax bonanza in the making. The state's intention is to collect retroactive land taxes from all the land owners that have benefited from these emerging sea lands in the past two hundred years. The State has proceeded to lodge caveats on all the suspect lands. Prospective buyers and sellers of these lands will have to pay the state tax to have the caveats lifted.(14)

The citizens are however fighting back. They claim that the state can only claim taxes on lands that they can prove they own and that only dates back to 1922 when they first starting using aerial photography.(14)

The New York Times article was first published in the June 5, 1981 edition. The article was entitled "Jersey's Rights to Shore Prove Costly to Casinos". It relates that the State of New Jersey has discovered that the seas are receding and are gaining economically from the knowledge.

We therefore have to ask ourselves: how has this happened? Why is it that all these previously named locations that were all once on the sea end up so far inland today? What explanation is there for all these changes?

To answer these queries it is important that we lay another misconception to rest. All the cities I have mentioned previously Ostia, Ephesus, Recanati, Nineveh, Babylon, Ur, Baghdad, Pithom, Ramses, Sandwich, Richborough and all the cinque ports

on the south east coast of Britain were all established on river estuaries for obvious reasons: a ready supply of water and access to the sea. The popular explanation along all these estuaries is that the river silted up. This is the popular misconception. It clouds the real issue which is the receding sea.

Siltation does not hold up as the likely explanation when we consider the height of Nineveh to the sea level in the Gulf today which is 700 feet. Or for that matter from Ur to the Gulf which is 125 feet difference. We can see that the disparity in height rules out siltation. Siltation is usually blamed but no notice is taken of the actual drop in sea level. The drop in sea level over time is incongruous with siltation: there must be some other insidious reason.

Misconceptions go beyond just blaming rivers for siltation. Such misconceptions are in fact misleading and tend to cloud the real issues. The issue here is that we have simply accepted the explanation without further query and in fact accepted it for thousands of years.

We should have gone beyond the siltation explanation a long time ago and looked beyond for the real reason, but there was no real reason to be concerned. It was a simple or obvious explanation. But it was a superficial one because it had no depth.

The point I want to make here is that we are still being constantly misled up to this present day by superficial and simple, what I call observational misinterpretations. I use this description to illustrate just that. For example for thousands of years we have been told that rivers silted up, but now I am attempting to show you that rivers are not the causative force that influences sea level. It only appears that way because the receding sea is the real culprit.

Geologists have actually propounded that the demise of Ostia as a port was caused by the lifting of the floor of the Tiber. That explanation is derived from the Post Glacial Rebound theory which has been taught to every Student of Geology for over 100 years. Here again we have accepted this theory for over 100 years but is it really Post Glacial Rebound or is it that the opposite is true? Let's take a look back into relatively recent history just about 100 years ago.

Between 1832 and 1835 Charles Darwin, the Naturalist, circled the South American Continent and entered the Pacific Ocean in his research ship "Beagle". He landed on several locations along the coastline of South America and on islands in the Pacific. He made copious notes and took quantities of specimens of plant and animal life as well as Insects, along the way.(4)

Darwin was a friend of Llyle the Geologist and was no doubt influenced by Llyle in his thinking and observations. The influence was not reciprocal, however, for Llyle did not believe in Darwin's theory of "Evolution."

Everywhere Darwin went in his travels he observed that the land appeared to have uplifted from the sea. He described his observation as "Raised Beaches" He deduced from that observation that the land was lifting from the sea; hence the raised beaches. It is believed that he was influenced by Llyle in conceiving that the land mass was rising from the sea.(4)

It would not have occurred to Darwin, Llyle or anyone else at that time that perhaps the opposite was really occurring, i.e. that the Sea was receding away from the Landmass leaving the beaches apparently raised.(4)

Sad to say it still does not occur to anyone today that the opposite is occurring. The reason for this, as I have pointed out before is that we all take the sea level for granted: it never moves. It is there forever at the same level all around the world. In other words sea level is accepted as a constant without thought or question. Sea level is etched in stone. When scientists tell us that sea levels are going to rise they are actually saying that sea levels are going to rise above the level it has always been. This is what they are really intimating. The point is so ingrained in our mind-set that it needs not be even mentioned. It is implied.

Darwin Llyle and everyone else at that time accepted that sea level was a constant and so does everyone else today. But as you can see that is not the case. Sea level is receding and has been doing so for a very long time and still continues to recede today.

Darwin, as I said, was not a Geologist; he was a Naturalist. When he observed the "Raised Beaches" he deduced that the land was rising. His deduction was accepted by the scientific fraternity and became doctrine. Aggazzi the Swiss Glacierologist later adopted Darwin's misinterpretation of a rising land mass and concluded that the land mass was rising because the Ice age Glaciers had melted. The Explanation was that the Ice age had burdened the landmass and now that the Ice had melted the land was rebounding. The Theory of Post Glacial Rebound was born.

Every student of Geology is taught about Isostatic or Post Glacial rebound, because it has become entrenched in our Geological Curriculum. From the examples I have shown you here in this presentation I ask you to draw your own conclusions. Did Darwin base his theory on an observational misinterpretation and by so doing steer us away from what is really occurring. Could it be that this simple misinterpretation has misled us for one hundred years. Based on what I have shown so far, could it be that what he deduced as a rising land mass was the opposite of what was really occurring. I ask that you deliberate and draw your own conclusions. Could your conclusions spell the end of the Post Glacial Rebound Theory?

I have attempted to show in my presentation that our Planet Earth is expanding. Earthquakes are a manifestation of the expansion process.

As our planet expands/ grows if you will the Sea recedes from shorelines worldwide. The overall result of this expansion process is the influence it has had on all ancient civilizations.

Sea levels all over our planet were once much higher when the planet was smaller, perhaps the size of the moon. As it expanded the mountains emerged from the oceans and in time those mountain tops fostered early civilizations. As the seas receded and more landmass became exposed civilizations moved on to them and that gave rise to territorial expansion and mobility.(14)

All early civilizations originated in the higher regions of the world. The most famous being the Egyptian Civilization that followed the Nile downward from the Sudanese Plateau.(14)

The Mesopotamian Civilization started high in the Zagros Mountains and came downward in the progression of cities I have mentioned before.(11)

The Indus Civilization came downward on the Indus River and established successive cities such as Mahenjo Daro and Harappa. Harappa higher up in on the Indus River predates Mahenjo Daro by three thousand years showing that it was estab-

lished, flourished and died before Mahenjo Daro was established further down the Indus valley.(5)

Chinese civilization started on the Yellow River Plateau and came downward on that river valley.

The Tibetan people have a mystical origin and still live at elevations in excess of 18000 feet above sea level. The Tibetans mine salt commercially from the bed of an ancient sea at 18000 feet above sea level today.

The Incas, another mystical people lived in the Andes at heights in excess of 15000 feet above sea level.

This recession of the seas seriously implicate earth expansion and earth expansion is seriously implicated by earthquakes. Earthquakes are the catalyst of expansion and receding seas are conclusive proof of that expansion.

So in conclusion we ask, what causes the Earth to expand or grow. The first and most prominent causative force is heat. The Earth is getting hotter and the heat is being generated from within the earth. The internal heat of the earth is capable of melting rock. The rock is under tremendous pressure in the earth. The earth pumps out inestimable amounts of this molten rock or magma on to the earth's surface. Magma is ejected from the earth under intense pressure. As it comes to the surface to become Lava it explodes to eight times its original volume within the earth. As it increases in volume it loses density and adds that much more volume to the earth's surface. This expansion process has been ongoing since the earth was the size of the Moon, i.e. 2000 miles in diameter. The earth is today 7800 miles in diameter. (Rand McNally Atlas Table) below.

Age:	4500	3500	2800	1000	Present
Size Ratio:	1.0	1.2	1.36	1.82	1.93
Radius In Miles	2060	2500	2750	3750	3980

Table 1. Earth's Expansion Over 4500 Million Years

Where will all this lead eventually? We may ask, The Earth is expanding and so is the Sun, Scientists tell us that the Sun will get so large that by about 4000 million years it will incinerate our Planet Earth. I doubt that by that time any of the human species will inherit the Earth.

The Earth's surface area is being increased both on land and under the sea. Earthquakes and Volcanoes are dictating the expansion process and heat is the engine of growth. Earthquakes are the actual expansion manifestations which give release to the internal tension built up in the crust. Volcanoes eject Magma which creates increased volume on the surface of the earth. This volume is added both on land and under the sea. When we consider that the sea covers 70% of the earth's surface we can understand that the greater area of expansion is under the sea: hidden from our eyes.

The Mid Atlantic Ridge is pushing Europe away from North America by approximately six feet every sixty years. The sea floor is spreading with new lava being pumped out continuously from the center of the earth. The Atlantic is expanding and so is the Pacific. The earth will keep on expanding due to this ongoing process until it has reached approximately twice its current size. At that time it will be a much hotter Planet. The Red Sea is Expanding. The Baja Peninsular is breaking away from Mainland Mexico. Britain is splitting away from Europe. The Mid Atlantic Ridge is expanding: tearing the Atlantic Ocean apart. Africa is being torn in two by the great rift valley and the Red sea will in a few million years eventually enter Africa at the Horn. The seas are getting hotter and the currents moving faster as a result. (NASA Ocean Maps)

The Sun is expanding, Mars is expanding and several of the other planets discovered in recent times have been found to be expanding, The Universe is expanding so WHY NOT THE EARTH?

Before closing I must also point out that to this very day the Port Authorities from New York to Hong Kong still spend colossal sums on dredging their harbors in order to keep them open. They still don't know that they are fighting against the receding sea: They are working against the same insidious element Claudius and Trajan fought at Ostia 2000 years ago and they still think that the nemesis is sedimentation.

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