

## My work on the Expanding Earth Theory

*Jan Koziar*

### I. Introduction

When Stephen Hurrell<sup>1</sup> turned to me, requesting this chapter, I found myself in a difficult situation. I had already written a similar text in 1991, recalling the period from 1970 to that date. The beginning of this period marked the emergence of Expanding Earth (EE) research in Wrocław. The text was published in the proceedings of a conference devoted to the 30th anniversary of establishment of the Department of Physical Geology at the Institute of Geological Sciences at the University of Wrocław (see next page, left). An English version of this text (see next page, right) is now available on my EE-website<sup>2</sup>.

At first, I thought I would write the chapter on the basis of this older text but I quickly realized that the result would be too voluminous. Finally, I decided to briefly mention this period and refer the more interested readers to this older text on my website. The main part of this chapter will be devoted to the period after 1991 and include mainly photographs and other graphical illustrations.

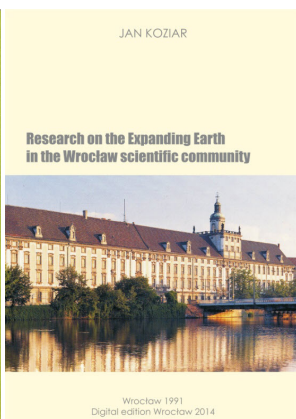
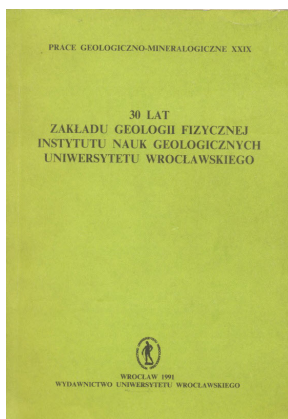
However first of all I would like to thank a few persons who I owe most in my work on Expanding Earth issues.

---

<sup>1</sup> See also the chapter by Stephen Hurrell.

<sup>2</sup> See [www.wrocgeolab.pl/research.pdf](http://www.wrocgeolab.pl/research.pdf)

## The Hidden History of Earth Expansion



---

*A review of research on the Expanding Earth in the Wrocław scientific community from the 1970s to 1991. Polish version (left) and English version (right). Available from my EE-website (see main text for details).*

---

## II. Acknowledgments

The persons presented below are those who helped me most in my work on the Expanding Earth (EE). I hereby extend my warmest thanks to them.



---

*Late professor Józef Oberc. My teacher and then boss. He supported my work on Expanding Earth and made it possible to carry it out at our institute.*

---

---

*Dr. Leszek Jamrozik. My former student and later a co-worker. Although he is no longer an active collaborator, he still remains a strong supporter of EE. We worked together closely for many years and discussed many issues of EE. He was my best conversation partner for EE discussions.*

---



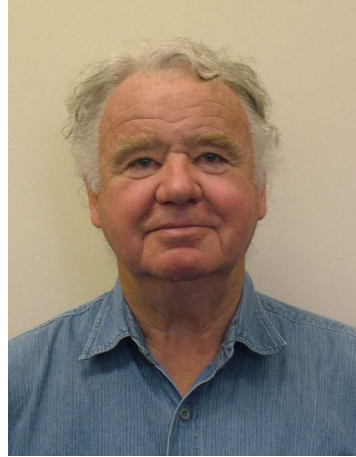
• V • *My work on the Expanding Earth Theory*



---

*Elżbieta Łysakowska, an architect. She helps me with computer graphics and editorial make up of texts for digital brochures and printed books. She also made my EE-website and operates it.*

---



---

*Professor Cliff Ollier from Australia. He helps me with the English proofreading of my texts.*

---



---

*Steven Athearn from the United States. He also helps me with the English proofreading of my texts.*

---



---

*Dr. Maria Debowska. She helps me with preliminary English proofreading of my texts.*

---

## The Hidden History of Earth Expansion

These, of course, are not the only persons who supported my works on EE. Some of them (but not everyone by far) are mentioned in this chapter and in the referenced brochure, concerning the period 1970-1991. Another group worth mentioning includes persons who were interested in EE, attended my lectures and contributed to a positive atmosphere around it. I warmly thank all of them, too.

### III. The beginning (1970-1991)

I first came across the concept of Earth expansion in September 1970, whilst preparing a list of topics for a physical geology seminar for the winter semester of 1970 to 1971. The paper entitled, *A new dynamic conception of the internal constitution of the Earth*<sup>1</sup> by Laszlo Egyed (1957), was placed on the list. At this time the paper, postulating just the expansion of the Earth, was not treated seriously by me. The situation changed rapidly and radically in November that year when I was checking the seminar elaboration written by my student Wojciech Nemec (now professor at University of Bergen). I realized then that Egyed's concept leads to the conclusion that oceanic ridges should be enlarged (lengthened) relative to their parent continental contours. And really such enlargement of oceanic ridges is an easily observable fact (though one that had not been noticed by Egyed). At this point I realized that the expansion of the Earth is also a fact.

In the beginning of 1971 I wrote a sixteen-page text with the following title and contents:

#### **Test of Egyed's hypothesis**

(contribution to the theory of migration of continents)

#### **Contents**

##### **1. Introduction**

1.1 The Taylor - Wegener

1.2 Egyed's hypothesis of an expanding Earth

##### **2. Consequences of Egyed's hypothesis**

##### **3. Stretching as a transformation. Characteristics.**

3.1 Stretching of a straight line

3.2 Stretching of a plain

3.2 Stretching of a surface of a sphere

---

<sup>1</sup> Egyed (1957).



• V • *My work on the Expanding Earth Theory*

**4. Stretched membrane and a rigid plate lying on it**

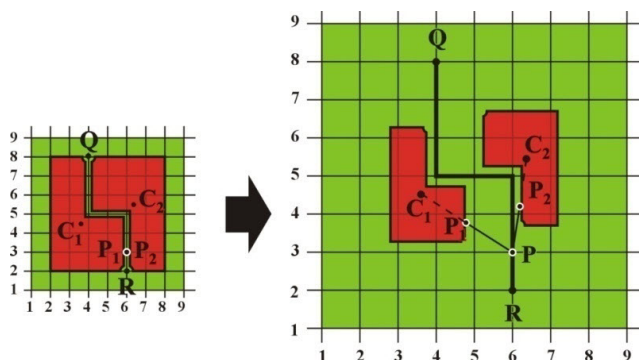
- 4.1 Transformation of contours of a plate fastened to a membrane at one point (a stable point of transformation)
- 4.2 Resultant friction force acting on a fastened plate
- 4.3 Stable point of transformation of a non-fastened plate
- 4.4 Case of a cracking plate

**5. Transformation of contours of continents**

- 5.1 Stable point of transformation of a spherical plate lying on an expanding sphere
- 5.2 Transformation of contours of continents using spherical coordinate system
- 5.3 Relationship between the geographical coordinate system and the spherical coordinate system of any position of poles

**6. Reconstruction of relative displacement of continents**

In point 4.4 above the following schematic reconstruction of Central and South Atlantic was presented (here is the graphically improved later version).



An improved and shortened version of this text was published only in 1994.

In March 1971 I presented the text to my boss professor Józef Oberc, then the chairman of the Department of Physical Geology of the Institute of Geological Sciences of the Wrocław University, where I had been employed since 1967.

Professor Oberc was very impressed by both the expansion of the Earth and my results. Subsequently he firmly and consistently supported my work on EE at our Institute.

## The Hidden History of Earth Expansion

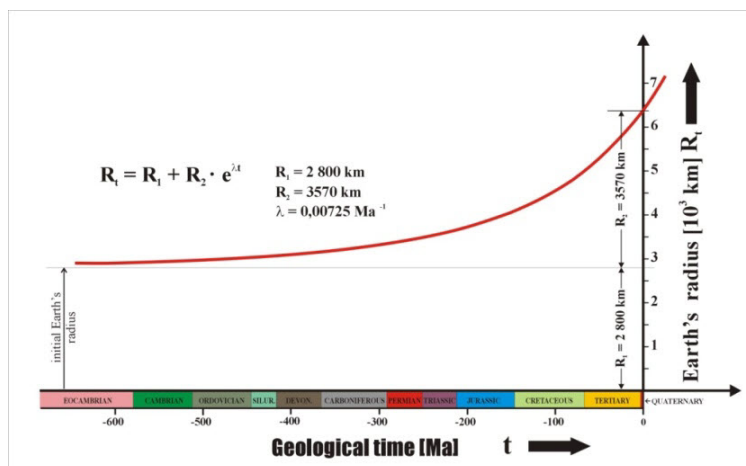
From the beginning, I have adopted the following fundamental principle in my work: **Every geological theory, model or interpretation which is contradictory to the expanding Earth is false and must be revised.** It turned out that the results of such revisions harmonized mutually with other facts, as would generally be expected. This was a firm indication that this was the correct direction. Although the specific forms of compatibility were often surprising they were Nature's answers to the questions asked. If my direction was false such (repeated) relations would be impossible.

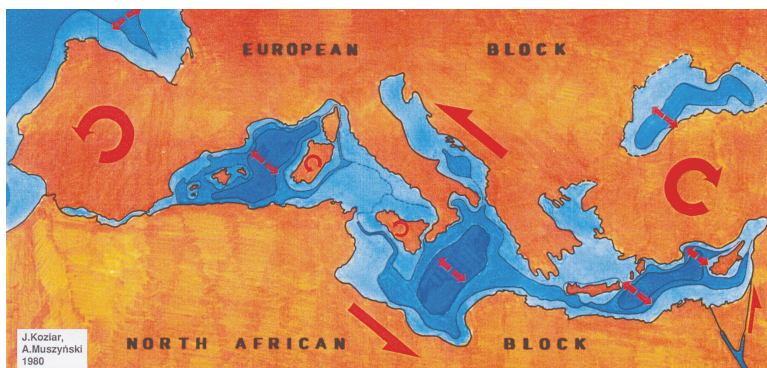
The biggest problem I had with such revision (reinterpretation), prior to 1991, was with intracontinental fold belts. I had less problems with island arcs and active continental margins. But in both cases (just compatible) tensional – diapiric – gravitational solutions were found. They were later improved. The biggest problem after 1991 was with satellite geodesy, but finally the solution was also found.

The main achievement of this early period (besides the mentioned tensional reinterpretations) was calculation (in 1974) of the function of growth of the Earth radius, based on measured increments of the lithosphere.

The function was published only in 1980. It was expressed, for the first time, by mathematical formula which enables the calculation (by differentiation) of the present annual increment in the earth radius – 2.6 cm/year – and present annual increase in the Earth's volume – 1320 km<sup>3</sup>/year. These were the first data of this kind and they were also published in 1980.

Another achievement was the tensional reconstruction of the Mediterranean area (see below), published together with Andrzej Muszyński in 1980.





After the imposition of martial law in Poland in December 1981, I engaged deeply in resistant activity. Beginning in October 1982 and until the end of February 1989 I was wanted by the communist police and had to act in hiding. This was a break of more than seven years in my work on EE. After the fall of communism in Poland, in February 1989, I was once again employed at our Institute on the previous terms. It was around this time that the first expansionists from abroad – Klaus Vogel from Germany and Yuriy Chudinov from Russia paid visits to our Institute.

## IV. After 1991

### 1. A brief note on my continuing work

After 1991 my work on EE continued to develop. Some of the more notable highlights from this period included obtaining a grant for the years 1997-2000 entitled *Expanding Earth*; giving a lecture course (based mainly on my own achievements) for undergraduate students: *Expanding Earth with basics geotectonics* (2001-2008); and establishing the Wrocław Geotectonic Laboratory in 2009, after my “retirement” at the end of 2008.

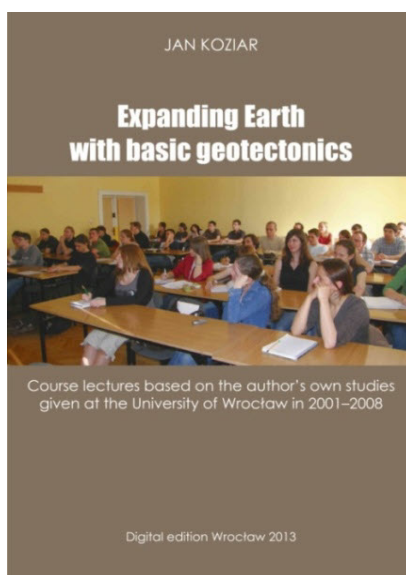
I have been extremely active with lecturing on EE. Apart from the course lectures for students in the 2000s, I have given all together about 150 public lectures on the topic.

There is no need to describe all my work on EE after 1991, a reader can familiarise themselves with it by looking at the list of all Wrocław papers on EE or at the contents of my course lectures for students (see below).

## The Hidden History of Earth Expansion



[www.wrocgeolab.pl/papers.pdf](http://www.wrocgeolab.pl/papers.pdf)



[www.wrocgeolab.pl/lectures.pdf](http://www.wrocgeolab.pl/lectures.pdf)

The reader can also look at my EE website (see below) and at the front covers of my (and co-authors) most important items which are presented in the next section.

Wrocławska Pracownia Geotektoniczna

Wrocław Geotectonic Laboratory

JAN KOZIAR

**EXPANDING EARTH**

HOME

INTRODUCTION

CONTENTS

NEW ITEMS

PLANNED ITEMS

LINKS

AUTHOR

**CONTENTS**

|   |   |
|---|---|
| 1. BASICS                                     | 5. SPACE GEODESY                        |
| 2. RECONSTRUCTIONS AND REGIONAL ANALYSIS      | 6. PHYSICAL AND COSMOLOGICAL BACKGROUND |
| 3. ISLAND ARCS AND ACTIVE CONTINENTAL MARGINS | 7. CRITICISM OF PLATE TECTONICS         |
| 4. INTRACONTINENTAL FOLD BELTS                | 8. HISTORY                              |

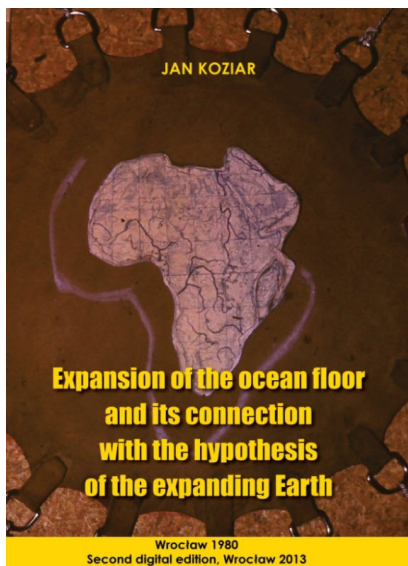
**POLISH**

**[www.wrocgeolab.pl](http://www.wrocgeolab.pl)**

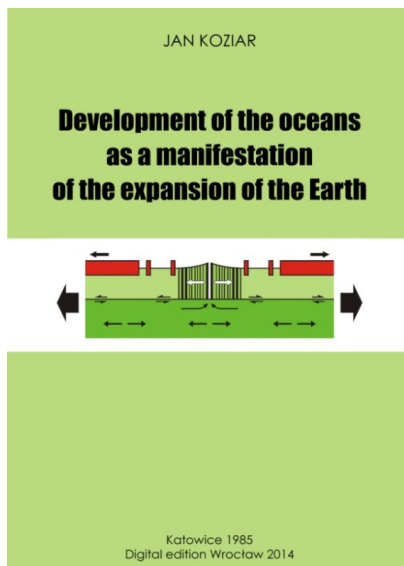
See also: Jan Koziar ResearchGate

• V • *My work on the Expanding Earth Theory*

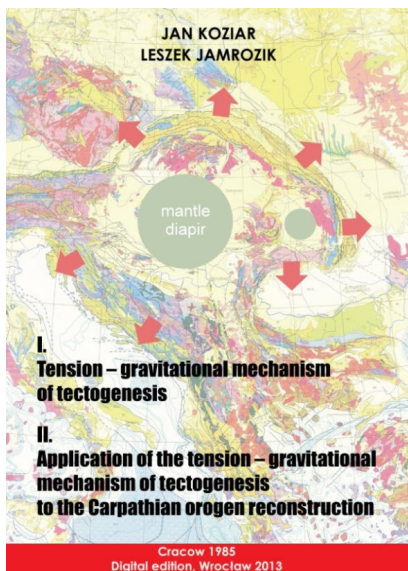
2. Front covers of my books and the more important digital brochures (some of joint authorship) accessible at my website



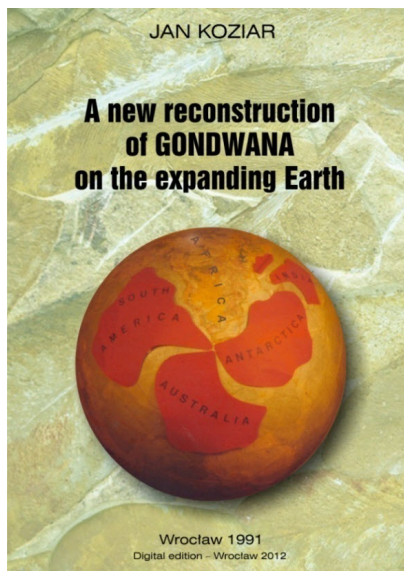
[www.wrocgeolab.pl/floor.pdf](http://www.wrocgeolab.pl/floor.pdf)



[www.wrocgeolab.pl/oceans.pdf](http://www.wrocgeolab.pl/oceans.pdf)



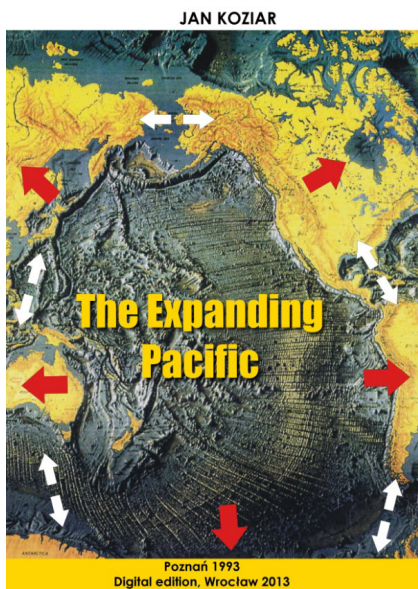
[www.wrocgeolab.pl/Carpathians.pdf](http://www.wrocgeolab.pl/Carpathians.pdf)



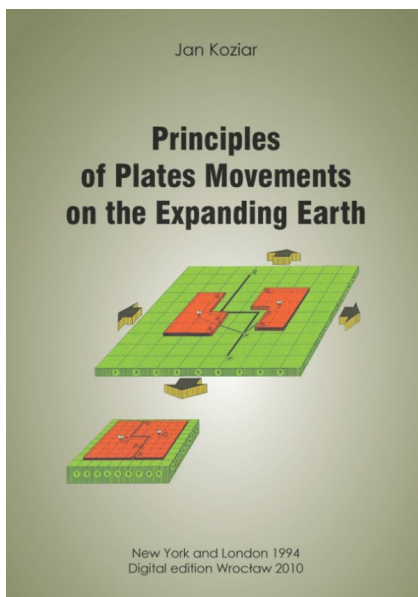
[www.wrocgeolab.pl/Gondwana.pdf](http://www.wrocgeolab.pl/Gondwana.pdf)



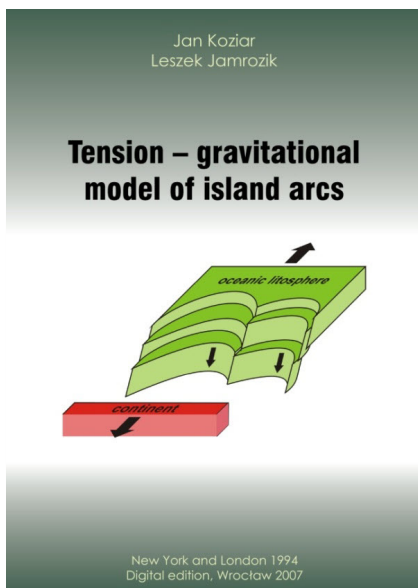
## The Hidden History of Earth Expansion



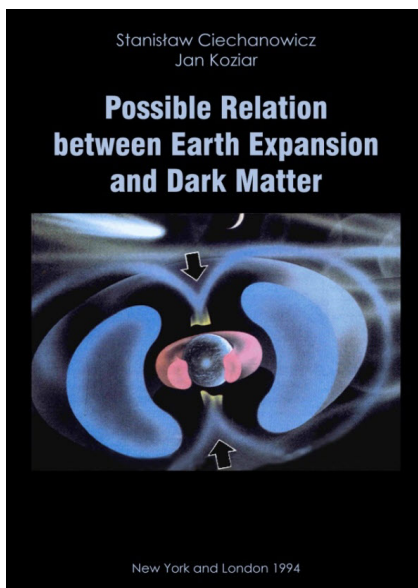
[www.wrocgeolab.pl/Pacific.pdf](http://www.wrocgeolab.pl/Pacific.pdf)



[www.wrocgeolab.pl/plates.pdf](http://www.wrocgeolab.pl/plates.pdf)

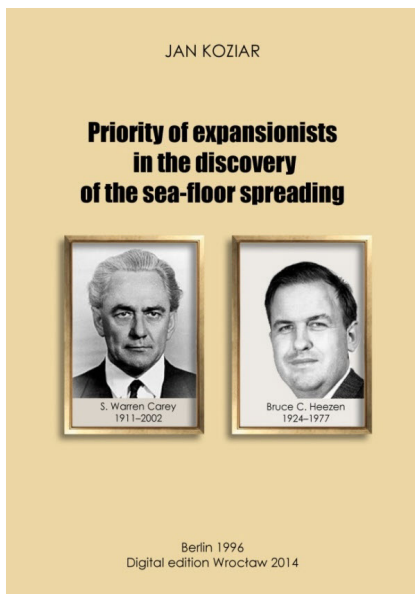


[www.wrocgeolab.pl/margins1.pdf](http://www.wrocgeolab.pl/margins1.pdf)

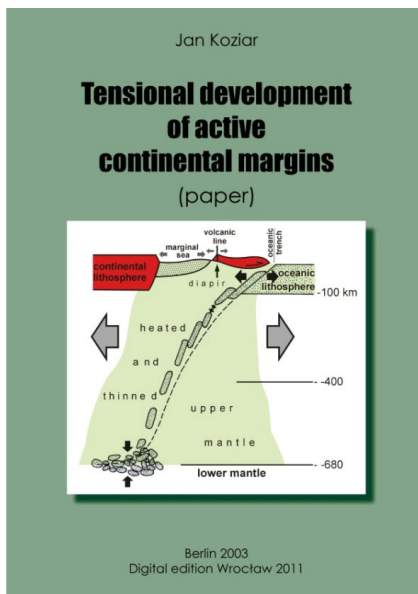


[www.wrocgeolab.pl/dark.pdf](http://www.wrocgeolab.pl/dark.pdf)

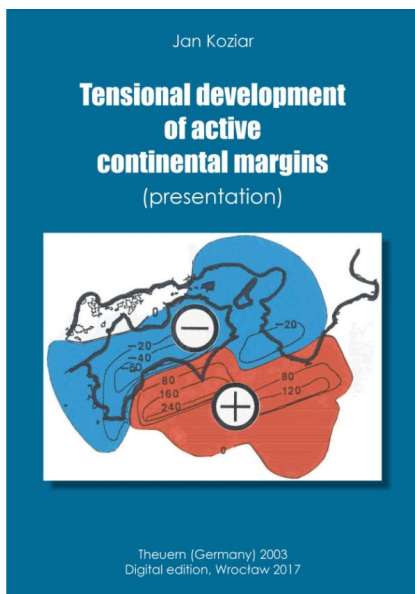
• V • *My work on the Expanding Earth Theory*



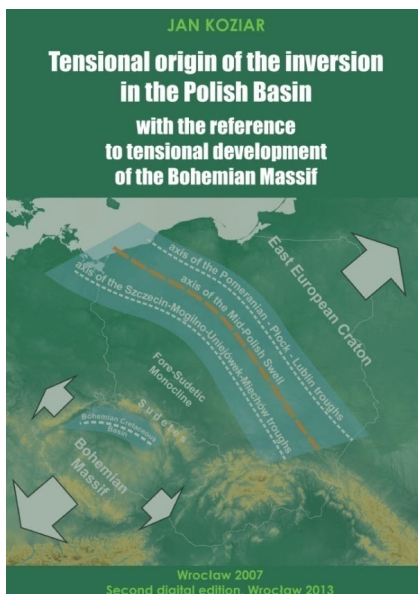
[www.wrocgeolab.pl/priority.pdf](http://www.wrocgeolab.pl/priority.pdf)



[www.wrocgeolab.pl/margins2.pdf](http://www.wrocgeolab.pl/margins2.pdf)



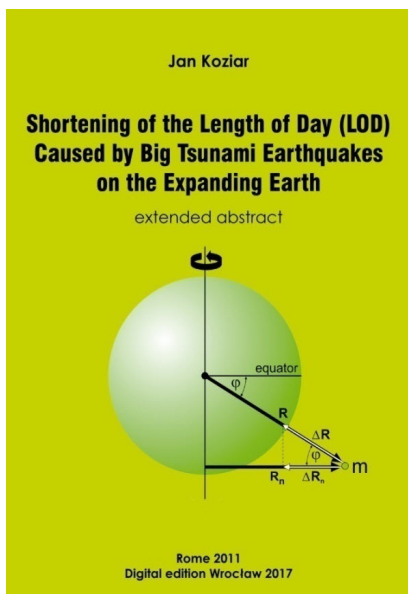
[www.wrocgeolab.pl/margins2a.pdf](http://www.wrocgeolab.pl/margins2a.pdf)



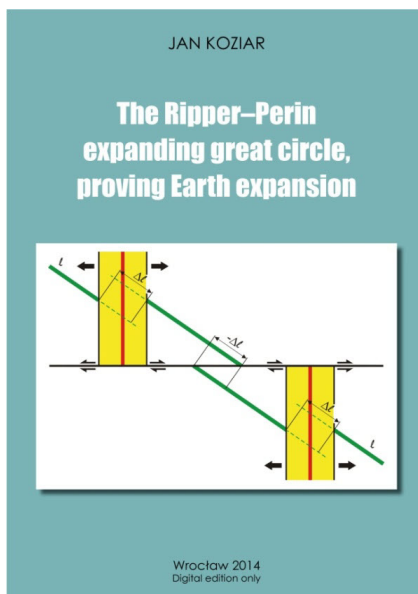
[www.wrocgeolab.pl/inversion.pdf](http://www.wrocgeolab.pl/inversion.pdf)



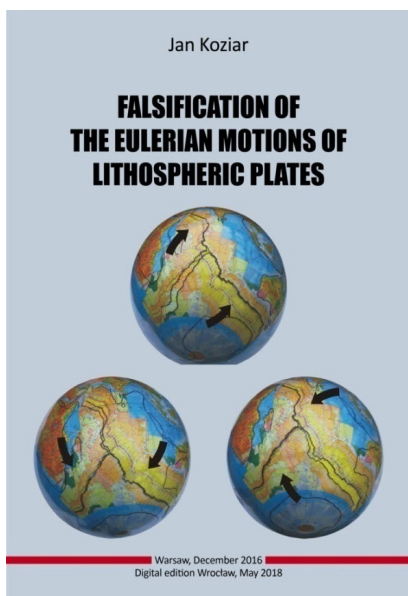
## The Hidden History of Earth Expansion



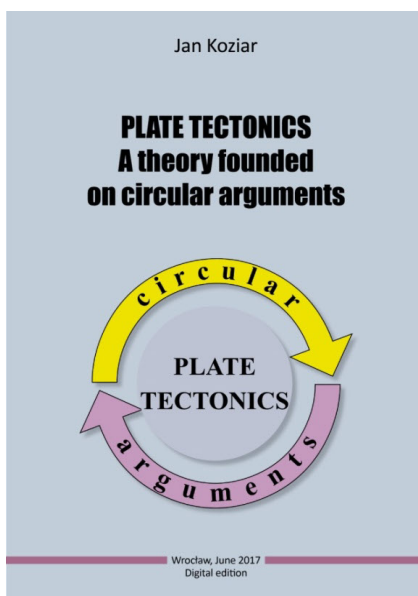
[www.wrocgeolab.pl/LOD.pdf](http://www.wrocgeolab.pl/LOD.pdf)



[www.wrocgeolab.pl/circle.pdf](http://www.wrocgeolab.pl/circle.pdf)

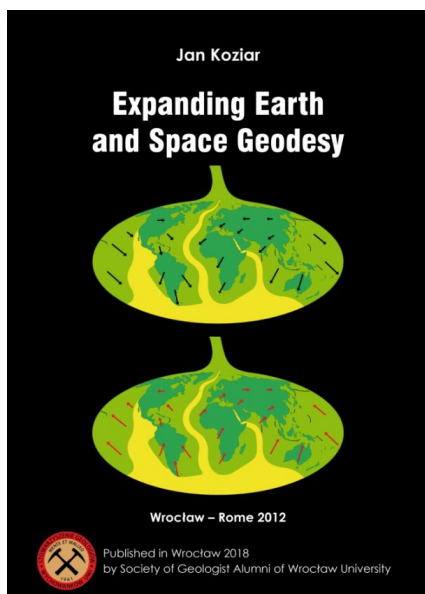


[www.wrocgeolab.pl/falsification2.pdf](http://www.wrocgeolab.pl/falsification2.pdf)

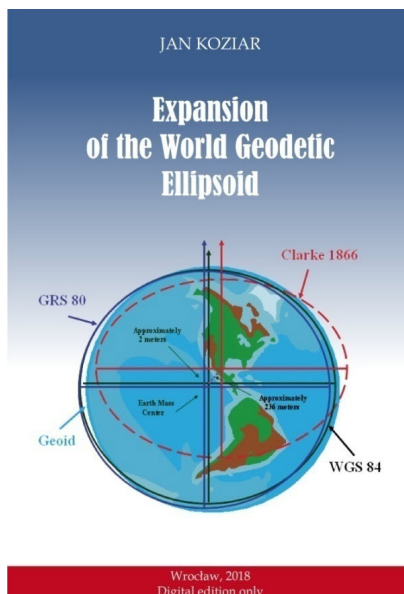


[www.wrocgeolab.pl/falsification3.pdf](http://www.wrocgeolab.pl/falsification3.pdf)

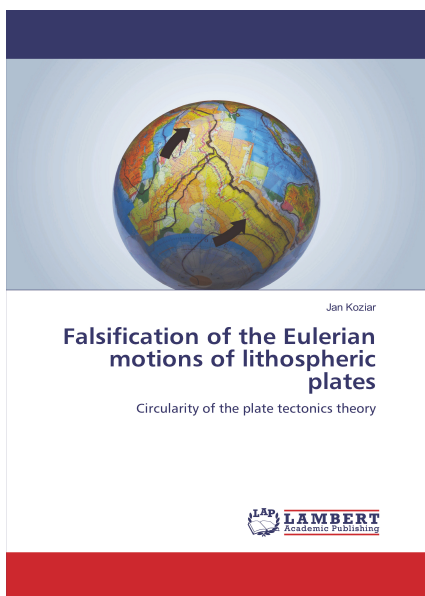
• V • *My work on the Expanding Earth Theory*



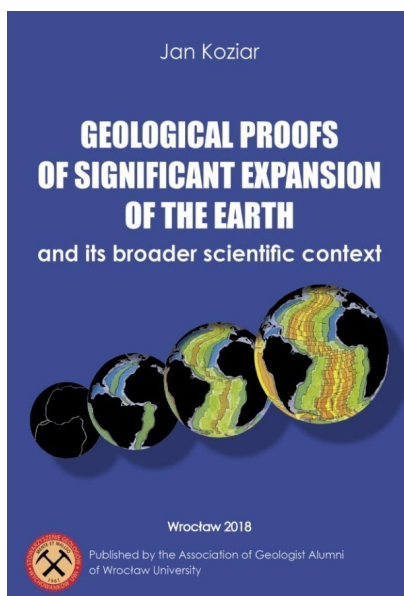
[www.wrocgeolab.pl/geodesy2.pdf](http://www.wrocgeolab.pl/geodesy2.pdf)



[www.wrocgeolab.pl/WGS.pdf](http://www.wrocgeolab.pl/WGS.pdf)



[www.wrocgeolab.pl/falsification\\_LAP.pdf](http://www.wrocgeolab.pl/falsification_LAP.pdf)



[www.wrocgeolab.pl/proofs.pdf](http://www.wrocgeolab.pl/proofs.pdf)

## The Hidden History of Earth Expansion

### 3. Hampering factors

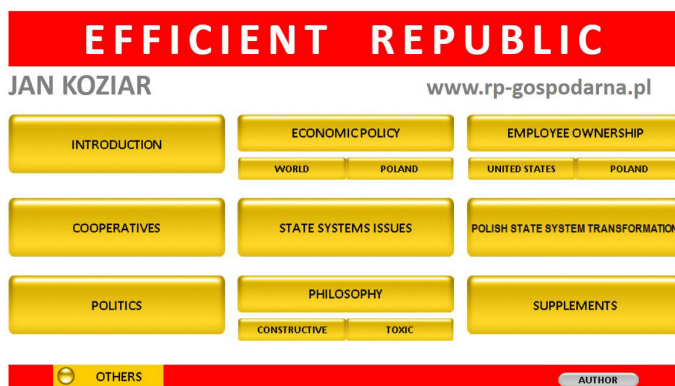
#### a. Social commitment

The “Solidarity” war with communism in 1980s occupied me completely at the expense of my EE work. I have written more about this in the recommended brochure about the period 1970-1991. I was then engaged in many topics of economy, politics, history and philosophy and published many papers and brochures on them. I continued this activity after the fall of communism in Poland and my re-emergence into public life in February 1989, including a new form that has become lectures. The social commitment has continued, with varying intensity, to the present. Of course, it significantly retards the work on EE.

My output on social topics is presented on a separate website. Its homepage is presented below.



Below there is a version, made specially for this chapter, with English headlines.



• V • *My work on the Expanding Earth Theory*

Of course, the contents are only in Polish. The number of items in this social website is about twice as many as in my EE website.

**b. Wrocław's "plate tectonics industry" supported by cognitive relativism**

In 1980s communism was failing in Poland but plate tectonics was invading. This happened also at our institute. When I returned to my job, a majority of the staff were already engaged in the Plate Tectonic (PT) paradigm. However, EE retained a favourable position. This balanced situation lasted up to the middle of the 1990s. Because Earth expansion theory had not made significant progress in global scientific community (though expansion itself made progress of above 10 centimetres in the Earth's radius in this time), its local opponents simply ignored it without offering any essential criticism. The only and primitive argument was that plate tectonics is accepted by almost all geologists throughout the world. It was said that it is impossible that so many and such prominent scientists could be wrong. My colleague, Stefan Cwojdzinski<sup>1</sup>, another expansionist, replied that those geologists are innocent because for the most part they had not heard about the theory or considered the evidence for it, while here, in Wrocław, the phenomenon had been presented comprehensively. But this did not help. The main reason for this unscientific attitude was another erroneous and dominant idea – the cognitive relativism disseminated by Thomas Kuhn and Karl Popper. This idea rationalizes and enables opportunism in science. According to this concept no theory is true. A theory can be only a ruling fashion. Very many geologists in Wrocław have decided to follow this ruling fashion which today is plate tectonics. They have insisted that they are "in good company".

I discuss the contagion of cognitive relativism and its mischievousness elsewhere.

Despite this unfavourable situation, the number of Wrocław's followers of EE has remained significant. However I had problems financing my research in the 2000s and by the second half of this decade the possibility of conducting these studies was seriously endangered. Luckily I was able to drift successfully with EE up to my retirement in 2008. After that I obtained a lifetime study leave (retirement) and a lifetime scholarship (pension), though rather small. In January 2009 I established the Wrocław Geotectonic Laboratory and my EE works have continued smoothly.

In the meantime our Wrocław plate tectonicists have devastated the Sudety geology with the concepts of subduction and terranes.

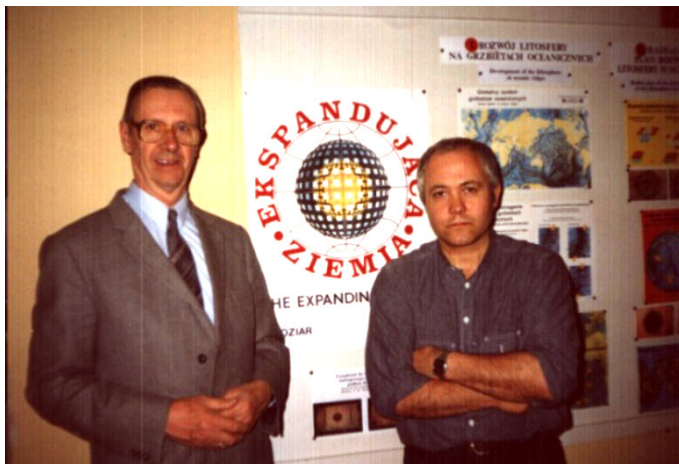
<sup>1</sup> See also the chapter by Stefan Cwojdzinski.

## The Hidden History of Earth Expansion

### V. Photographic illustrations of Wrocław's EE activity

#### 4. Visits of expansionists to Poland

##### a. First visits of expansionists after 1991 (K. Vogel and G. Scalera 1992)



*Klaus Vogel in front of my Expanding Earth poster in the Department of Physical Geology of the Institute of Geological Sciences (1992)*



*Giancarlo Scalera, Klaus Vogel and Leszek Jamrozik in front of our Institute of Geological Sciences (1992)*



• V • *My work on the Expanding Earth Theory*

**b. International conference “Problems of the Expanding Earth”  
(Wrocław-Sosnówka, 1994. Participants from abroad: S.W. Carey, E.  
Milanovski, K. Vogel and C. Strutinski<sup>1</sup>)**

**Public session (Wrocław University, Leopoldina Hall)**



*Samuel W. Carey during his lecture*



*Evgeni Milanovski during his lecture*



*Stefan Cwojdzinski during his lecture*



*Jan Koziar during his lecture*

<sup>1</sup> See also the chapter by Carl Strutinski.

## The Hidden History of Earth Expansion



*Samuel W. Carey during  
his lecture*



*Stanisław Ciechanowicz  
(a theoretical physicist of  
Uwr) during his lecture*



*Klaus Vogel during his lecture*



*Carl Strutinsky during his lecture*



• V • *My work on the Expanding Earth Theory*

**After the conference**



---

*Samuel W. Carey lecturing at the session of the Polish Geological Society, Lower Silesian Branch (Wrocław)*

---



---

*Samuel W. Carey after lecturing at the Silesian University (Sosnowiec). He is surrounded by my former students, then researchers of the university. From the left: Janusz Janeczek (later double rector of the university), Anna Malik and Jerzy Żaba*

---

**c. Maxlow's<sup>1</sup> visit to Poland 1997**

**Wrocław**



---

*Anita and James Maxlow in front of my EE poster*

---

<sup>1</sup> See also the chapter by James Maxlow.

## The Hidden History of Earth Expansion



---

*James Maxlow  
lecturing at our  
Institute*

---



---

*After the lecture.  
Expansionist  
Andrzej  
Muszyński (my  
former student,  
then a  
researcher-  
lecturer of the  
university) in the  
middle*

---



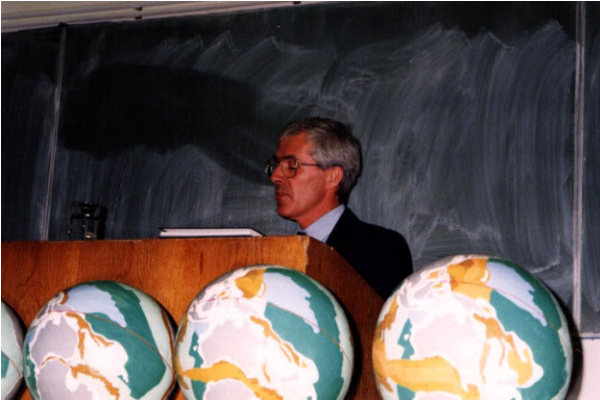
---

*With Maxlows on the tower  
of Wroclaw's Cathedral*

---

• V • *My work on the Expanding Earth Theory*

**Poznań**



---

*James Maxlow lecturing  
at Poznań University*

---



---

*After the lecture.  
Expansionist Andrzej  
Muszyński (my former  
student) in the middle*

---

**Warsaw**



---

*James Maxlow lecturing  
at Polish Geological  
Institute in Warsaw*

---

## The Hidden History of Earth Expansion

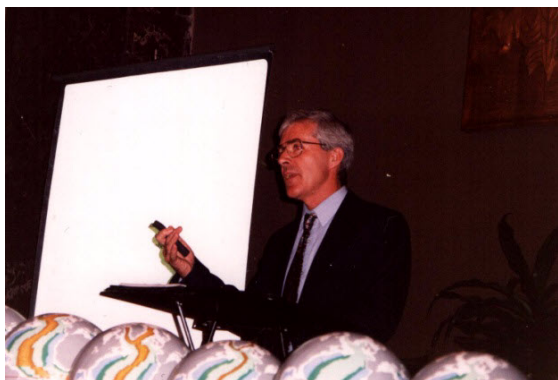


---

*Maxlows with Stefan  
Cwojdzinski in the  
Geological Museum of  
PGI*

---

### Cracow



---

*James Maxlow lecturing at  
Polish Geological Institute,  
Carpathian Branch (Cracow)*

---



---

*Maxlows at the salt  
statue of the Polish  
King Casimir the  
Great in the historical  
salt mine Wieliczka*

---



• V • *My work on the Expanding Earth Theory*

**d. Ollier's<sup>1</sup> visits to Poland**

**2010**



---

*In front of Lower Carbon  
flysch at Srebrna Góra (Lower  
Silesia)*

---



---

*On gabbro of Sleża, the holy mountain of  
Lower Silesia*

---

**2012**



---

*Cliff Ollier with his wife  
Janetta in my flat*

---

---

<sup>1</sup> See also the chapter by James Maxlow.

## The Hidden History of Earth Expansion



---

*Cliff Ollier with Jurand Wojewoda and his students at Sudety's Upper Cretaceous sandstones. Wojewoda (a researcher-lecturer of UWr) is my former student and expansionist*

---

### 5. My and co-workers' visits abroad

#### a. At Vogel's Werdau 1966



---

*With the signboard of Vogel's "Betonwerk". Before my lecture at Berlin's Technical University*

---



---

*With Vogel, his wife Eva – Maria, Leszek Jamrozik (right), Rudolf Gottfried and his wife (left) at Vogel's home*

---

• V • *My work on the Expanding Earth Theory*

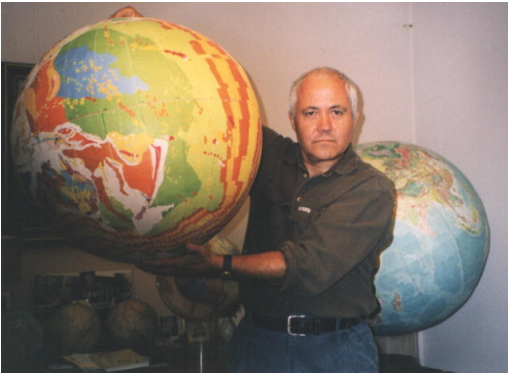
1999



---

*With David Oldroyd and Klaus Vogel at Vogel's home*

---



---

*With Vogel's globe at his home*

---

2003



---

*At Vogel's home after the Theuern conference. From the right: Karl-Heinz Jacob, Karl Luckert, Stefan Cwojdzinski, Klaus Vogel and me*

---



## The Hidden History of Earth Expansion

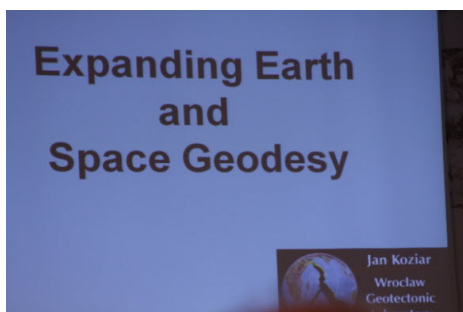
### b. At Sicily (Erice) Conference (2011)



---

*During one of my two lectures*

---



---

*The title of one of my two lectures*

---



---

*Stefan Cwojdzinski during one of his two lectures*

---

• V • *My work on the Expanding Earth Theory*



---

*With James  
Maxlow (left) and  
Klaus Vogel*

---



---

*With all participants of the Sicily conference. Picture reproduced with permission from the book “The Earth Expansion Evidence” edited by Giancarlo Scalera, Enzo Boschi, Stefan Cwojdzinski and published by Aracne.*

---

## The Hidden History of Earth Expansion

### c. Separate visits of Stefan Cwojdziański

Stefan Cwojdziański was present at Olympia (1993), Udine (2004) and Brisbane (2012) conferences. Beneath is a photo from Udine conference.



*From the right are: Stefan Cwojdziański, his wife Ewa, L.W. Dan Bridges, Andrzej Żelazniewicz, Klaus Vogel and Vedat Shehu*

### 3. The 3<sup>rd</sup> Polish Geological Congress (2016)



*During my lecture.*



*Stefan Cwojdziański during his lecture.*

- V • *My work on the Expanding Earth Theory*

## **VI. My geotectonic globes, 85 cm in diameter**

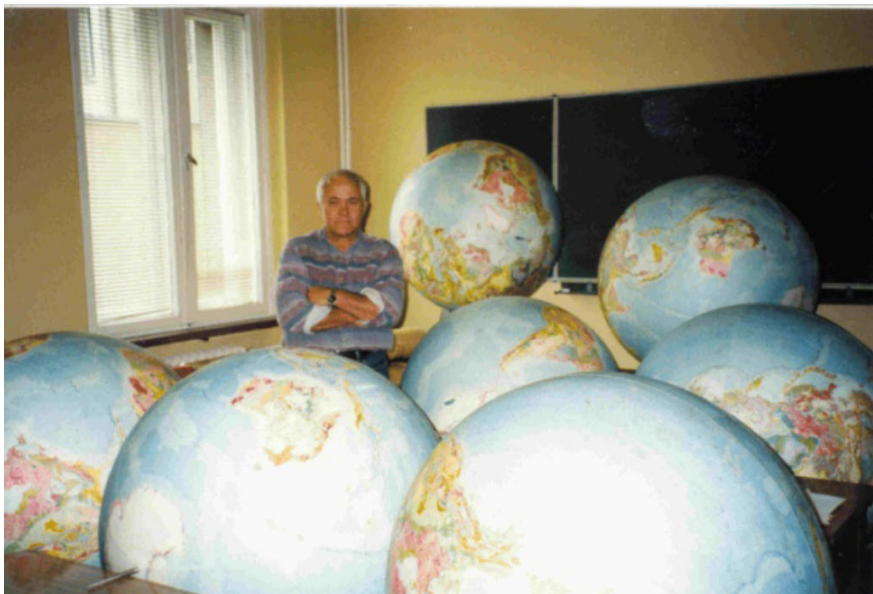
### **a. Construction**



---

*Transport of  
one of my globes  
from the  
modeler of  
Wrocław  
Opera, Tomasz  
Król (left) with  
his daughter  
Diana*

---



---

*Temporary accumulation of globes in the Department of Physical Geology*

---



## The Hidden History of Earth Expansion



*With professor Józef Oberc*

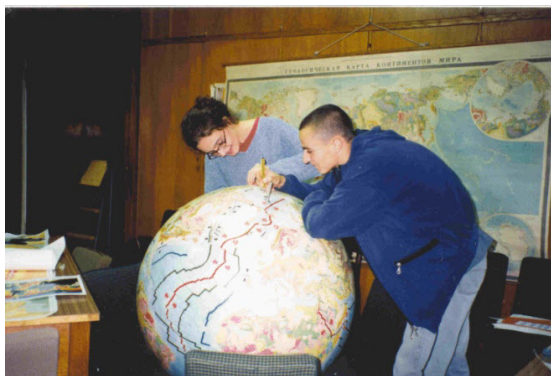
---



*Technician Janusz  
Marciniszyn fastening a  
globe to its frame*

---

### b. Cartography work



*Student Krzysztof Moskwa and  
his wife Katarzyna putting  
isochrones on one of my globes*

---



*Globe laboratory in our  
Department of Physical  
Geology*

---

• V • *My work on the Expanding Earth Theory*

**c. Exposition**



---

*One of my globes in the library of our institute. From the left: prof. Józef Oberc, Wioleta Pawlikowska, Barbara Serafin, Halina Czernianin and Elżbieta Dziemiańczuk*

---



---

*One of my globes in the Geological Museum of our institute. The Olliers and Dr. Antonina Pacholska by it*

---



---

*One of my globes on the stairwell of the Polish Geological Institute, Lower Silesian Branch (Wrocław). Cliff Ollier and Stefan Cwojdzinski in front of it*

---

## The Hidden History of Earth Expansion



---

*One of my globes at the ceremony of opening of the Marine Branch of Polish Geological Institute (Gdańsk – Oliwa)*

---

### **d. Making transparent bowls for lithosphere reconstructions**



---

*Making gypsum forms for transparent plastic bowls in the workshop of Wrocław's Film Production Company*

---



---

*Making the plastic transparent bowls in the same workshop*

---



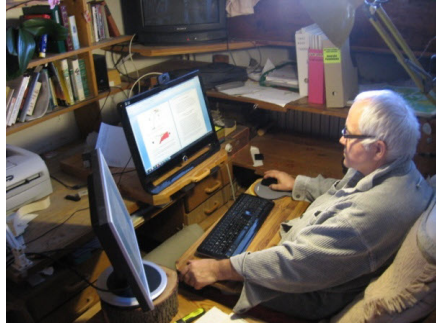
- V • *My work on the Expanding Earth Theory*

## VII. Wrocław Geotectonic Laboratory (WGL) Headquarters

### 1. Signboard and computer station



*The signboard of the WGL*



*Computer station of the WGL*

### 2. Globes



*Two big geological globes. One mobile and the other without frame which make it possible to do reconstructions around poles*



*Other geological globes and a bar chair, an important tool for analyze the big globes and big maps lying on a table*

### 3. Geological maps



*The WGL is equipped with rich sets of geological maps mainly continents and oceans. They created two groups of the old, mainly Russian and international, wall maps and modern maps in double forms: printed and digital. Beside is one of the three ceiling frames with the wall maps*

# The Hidden History of Earth Expansion

## 3. Physical methods of reconstruction



*I tried to make the first global reconstructions using wire models of continents*

*Other method were plastic models fastened to globes by bur*



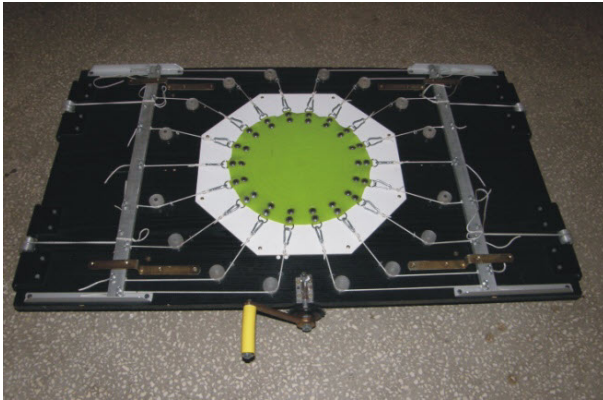
## • V • My work on the Expanding Earth Theory

---

*On previous page: The best method occurred to be the use of stiff transparent hemispheres of different sizes (left) and flexible spherical bigger models which are put to such a sphere from inside. Then the models are copied onto the stiff hemisphere. Because the models do not adhere precisely to the hemisphere from beneath the lines have to be drawn looking perpendicularly to the surface of the hemisphere. For longer contour of plates and continents the bean-shape flexible bowl is used (right side of the right photo) to gain better adherence. On the right photo the connection of Jurassic Pacific plate with North American continent is modeled on the Earth of 4460 km radius*

---

### 4. Stretching device



---

*Stretching device of WGL which transforms the bilateral tension to the radial one*

---



---

*Modelling the tensional development of the Pacific on the stretching device*

---

## VIII. Wrocław Geotectonic Laboratory (Field Station)

### 1. Main building



*The signboard of the  
Field Station of the WGL*

*The main building of the  
Field Station of the WGL  
i.e. my ancestor's  
subsidiary farm house*



*Historical inscription on  
top of the Field Station of  
the WGL*



• V • *My work on the Expanding Earth Theory*



---

*Inside the Field Station of the  
WGL*

---

**2. Barn and leisure**



---

*At work in the barn  
before the Sicily  
conference*

---



---

*At leisure in the nearby forest*

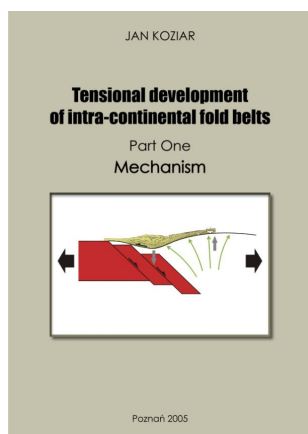
---

# The Hidden History of Earth Expansion

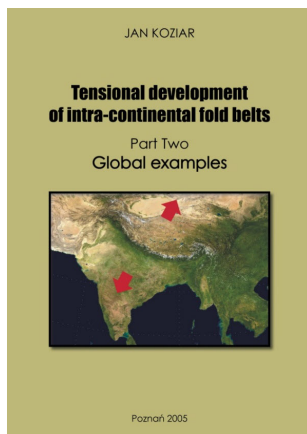
## IX. Planned items

### 1. The 4th Polish Geological Congress

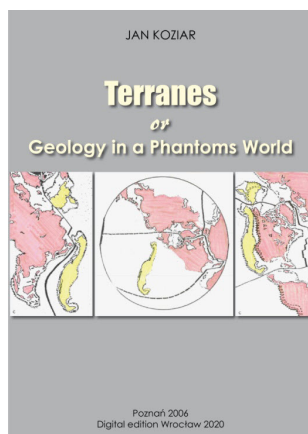
For June of this year (2020) the 4th Polish Geological Congress in Poznań is being organized. I will present there the topic: *Reconstruction of tensional development of European lithosphere*. The topic will be then presented on my website ([www.wrocgeolab.pl/Europe.pdf](http://www.wrocgeolab.pl/Europe.pdf)) immediately after the congress, and certainly before publication of this book. The first three digital brochures that follow will be placed on the website even before the congress.



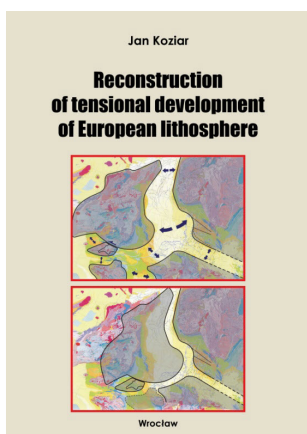
[www.wrocgeolab.pl/fold\\_belts\\_I.pdf](http://www.wrocgeolab.pl/fold_belts_I.pdf)



[www.wrocgeolab.pl/fold\\_belts\\_II.pdf](http://www.wrocgeolab.pl/fold_belts_II.pdf)



[www.wrocgeolab.pl/terranes.pdf](http://www.wrocgeolab.pl/terranes.pdf)



[www.wrocgeolab.pl/Europe.pdf](http://www.wrocgeolab.pl/Europe.pdf)

• V • *My work on the Expanding Earth Theory*

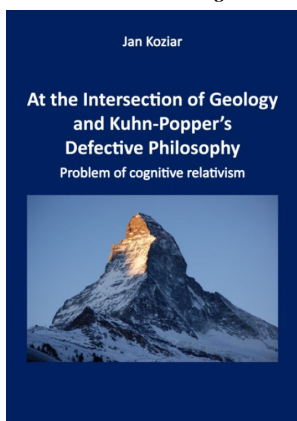
Versions of these were already published (in 2005 and 2006) but only in Polish. They are necessary for better understanding the topic which will be presented at the congress.

Thus, all together, four new brochures will be placed on my website before July 2020.

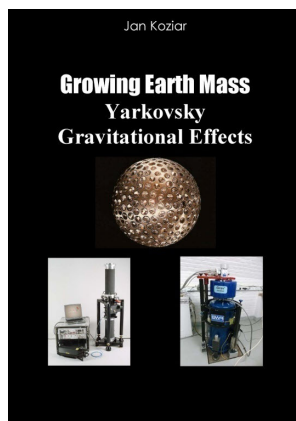
## 2. Other planned works

Next on the agenda, four digital brochures, announced in my last book *Geological proofs of the significant expansion of the Earth* ([www.wrocgeolab.pl/proofs.pdf](http://www.wrocgeolab.pl/proofs.pdf)), will be placed on my website (see below).

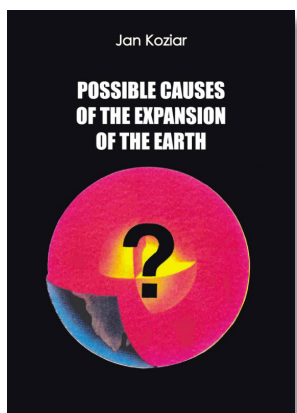
All these topics have been elaborated as PowerPoint presentations and have been the subject of lectures.



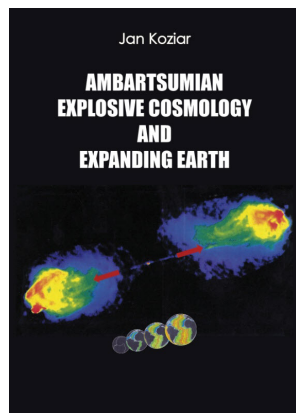
[www.wrocgeolab.pl/relativism.pdf](http://www.wrocgeolab.pl/relativism.pdf)



[www.wrocgeolab.pl/Yarkovsky.pdf](http://www.wrocgeolab.pl/Yarkovsky.pdf)



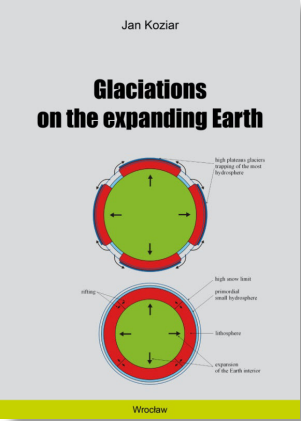
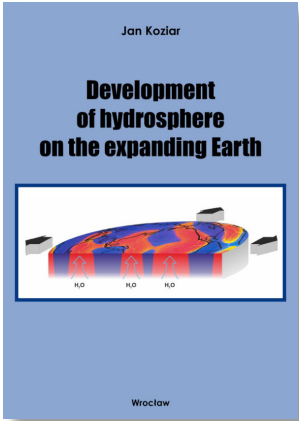
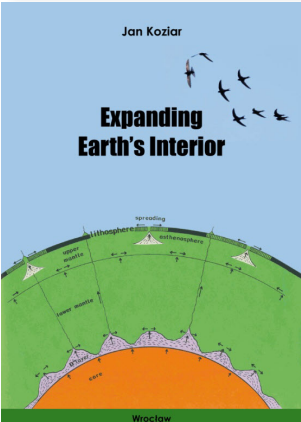
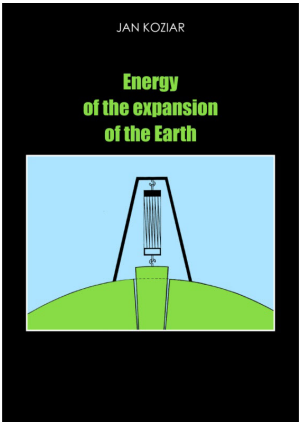
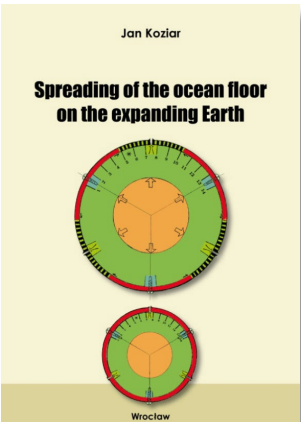
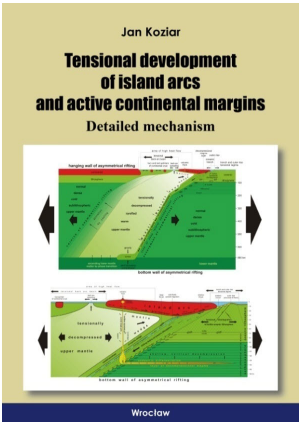
[www.wrocgeolab.pl/causes.pdf](http://www.wrocgeolab.pl/causes.pdf)



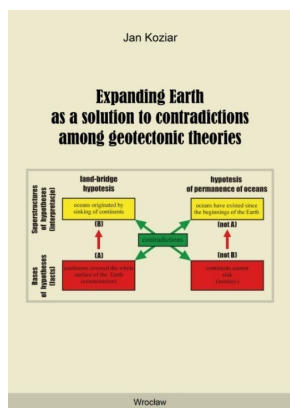
[www.wrocgeolab.pl/cosmology.pdf](http://www.wrocgeolab.pl/cosmology.pdf)

# The Hidden History of Earth Expansion

After that the following topics will be published:







Finally, precise reconstructions of the lithosphere on a smaller Earth will be accomplished. They are already advanced. The most important issue in this regard will be the precise closing of the Indian, Arctic and Pacific oceans. The precise reconstruction of the last of these is impossible without precise reconstruction of the former two. But each of these is impossible without precise reconstruction of the surrounding continental lithosphere. How this should be done I will show in the announced publication: *Reconstruction of tensional development of European lithosphere*.

## X. Final thoughts about Earth expansion today

The expanding Earth theory is not a paradigm, i.e. a theory about rules which govern some phenomena. Such a theory could be only falsified. Expanding Earth is a theory of the existence of some phenomenon. As such, it can be definitely proved (or falsified). I proved it in the book *Geological proofs of significant expansion of the Earth and its broader scientific context* where seven independent geological proofs, formulated by other authors, are gathered. Thus the significant expansion of the Earth is a real process.

Plate tectonics itself is a false theory founded on circular arguments as I demonstrated in a brochure: *Plate tectonics. A theory founded on circular arguments* and a book: *Falsification of the Eulerian motions of lithospheric plates. Circularity of the plate tectonics theory*.

I think that within about five years the significant expansion of the Earth may be accepted by the global scientific community.

The most simple and direct demonstration of the reality of EE would be delivered by updated calculation of the length of the longer

## The Hidden History of Earth Expansion

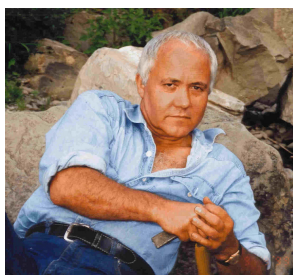
semi-axis of the World Geodetic Ellipsoid; see my brochure: *Expansion of the World Geodetic Ellipsoid* and the book mentioned above: *Falsification of the Eulerian motions of lithospheric plates. Circularity of the plate tectonics theory* (Supplement).

May be the predicted period will be longer but this does not change the fact that the significant expansion of the Earth is a real process.

### Acknowledgment

Many thanks to Steven Athearn for improving my English in this text.

## About the Contributor



**Jan Koziar** was born in 1943 in Wola Mielecka, SE Poland (then occupied by the Germans). In 1966 he graduated from the University of Wrocław - Faculty of Natural Sciences in geology. Then, after one year probation, was hired as a researcher-lecturer at the Institute of Geological Sciences, University of Wrocław. From 1970 he began to develop the expanding Earth theory. He was removed from the university for political reasons in 1982 but returned to work in 1989, working still in the field of geotectonics. In 2001 – 2008 he gave course lectures “Expanding Earth with basic geotectonics”. Pensioned in 2008, Koziar continues researching into the Expanding Earth theory in Wrocław, where he established the Wrocław Geotectonic Laboratory.

This essay was first published as a chapter in the 2020 book, *The Hidden History of Earth Expansion*, which is widely available from good bookshops in both Hardback and Paperback editions, as well as a Google eBook.

The *Hidden History of Earth Expansion* presents the personal histories of some of the most well-known researchers into Earth expansion in 14 original essays. In addition to furnishing us with their personal histories, as they strived to explore the seemingly overwhelming evidence for confirmation of Earth expansion, the authors' highlight areas where further research is required.

The chapters expressly written for the book are:

• **Introduction** •

The Science Innovators: an historical context 11  
*Stephen W. Hurrell*

• **Chapter I** •

From hunch to serious consideration 89  
*Hugh G. Owen*

• **Chapter II** •

My Memories and Ideas about the Expanding Earth 105  
*Cliff Ollier*

• **Chapter III** •

An insight into self-organizing processes in geology with respect to Earth expansion 131  
*Karl-Heinz Jacob*

• **Chapter IV** •

Modelling the Earth: a brief history 147  
*James Maxlow*



• **Chapter V** •

|                                       |     |
|---------------------------------------|-----|
| My work on the Expanding Earth Theory | 173 |
| <i>Jan Koziar</i>                     |     |

• **Chapter VI** •

|   |     |
|---|-----|
| My lifetime adventure with an expanding Earth | 217 |
| <i>Stefan Cwojdzinski</i>                     |     |

• **Chapter VII** •

|                               |     |
|-------------------------------|-----|
| Orogenesis on a growing Earth | 239 |
| <i>Carl Strutinski</i>        |     |

• **Chapter VIII** •

|                                   |     |
|-----------------------------------|-----|
| From dinosaurs to Earth expansion | 265 |
| <i>Stephen W. Hurrell</i>         |     |

• **Chapter IX** •

|                                  |     |
|----------------------------------|-----|
| The Problem with Earth expansion | 287 |
| <i>John B. Eichler</i>           |     |

• **Chapter X** •

|                                       |     |
|---------------------------------------|-----|
| A Personal History of Earth Expansion | 321 |
| <i>William C. Erickson</i>            |     |

• **Chapter XI** •

|   |     |
|---|-----|
| How I got involved with Earth Expansion | 351 |
| <i>David Noel</i>                       |     |

• **Chapter XII** •

|  |     |
|--|-----|
| Should Plate Tectonics be replaced by Expanding Earth? | 365 |
| <i>Zahid A. Khan and Ram Chandra Tewari</i>            |     |

• **Chapter XIII** •

|   |     |
|---|-----|
| The Geothery of Growing Earth: My Viewpoint of Cosmic<br>Core Kernel Transformation | 385 |
| <i>Vedat Shehu</i>  |     |

• **Chapter XIV** •

|                                  |     |
|----------------------------------|-----|
| Receding Seas of Earth expansion | 413 |
| <i>Richard Guy</i>               |     |
| References                       | 425 |
| Index                            | 465 |

## References

- Afshordi, N. Mann, Robert, B. and Pourhasan, R. (2014). The Black Hole at the Beginning of the Time. *Scientific American*.311 (2) 38-43.
- Ager, D.V. (1986). Migrating fossils, moving plates and an expanding Earth. *Modern Geology*, 10:377-390.
- Ahmad, F. (1960). Glaciations and Gondwanaland. *Geol. Surv. India. Rec.* 86, 637-674.
- Ahmad, F. (1990). The bearing of paleontological evidence on the origin of the Himalayas. In: A. Barto-Kyriakidis (Ed). *Critical aspects of the Plate Tectonics theory*. Theophrastus Publication, Greece. 1, 129-142.
- Aitchinson, J. C. and 4 others. (2007). Shoshonites in southern Tibet record Late Jurassic rifting of a Tethyan intra-oceanic island arc. *Jour. Geology*. 115, 197-213.
- Alfvén, H. (1942). On the cosmogony of the solar system. *Stockholms Observatoriums Annaler*, 14, 2-1.
- Alfvén, H. (1954). On the origin of the solar system. Oxford University Press, New York.
- Alfvén, Hannes (1984). Cosmology: Myth or Science? For the Golden Jubilee of the Indian Academy of Sciences, representing a culture which has investigated cosmology for four millennia, edited in *Jour. Astrophysics and Astronomy*, No. 5, 79-98.
- Alfvén, H. (1992) Cosmology: myth or science? *IEEE transactions on plasma science*, vol. 20, no. 6, pp. 590-600.
- Alfvén, H. Arrhenius, G. (1972). Origin and evolution of the earth-moon system. *The Moon*, 5(1-2), 210-230.
- Alfvén, H. Arrhenius, G. (1976). Evolution of the solar system. NASA. Document number NASA-SP-345.
- Ali, J.R. and Aitchinson, J.C. (2005). Greater India. *Earth Science Review*, 72, 169-188.
- Allaby, M. (2013). *A Dictionary of Geology and Earth Sciences*. ISBN-13: 978-0199653065.

## The Hidden History of Earth Expansion

- Amirmardfar, R. (2012). Relationship Between Gravity and Bio-Evolution - The Increasing Gravity Theory. In Boschi, Cwojdzinski & Scalera - editors (2012). The Earth expansion evidence – A Challenge for Geology, Geophysics and Astronomy.
- Anderson, D.L. Yu-shen zhang, Tanimoto T. (1992). Plume heads, continental lithospere, flood basalts and tomography. W: Storey B. Alabaster T. Pankhurst R.J. (eds.): Magmatism and the Causes of Continental Break-up. Geol. Soc. Special. Publ. 68: 99-124.
- Anderson, S.F. et al. (1999). Mapping low density galactic: third helium Lyman-alpha forest. *Astronomic* . 117, 56-62. DOI: 10.1086/300698; e-print: astro-ph/9808105 | PDF.
- Antoshkina, A. Königshof, P. (2008). Lower Devonian reef structures in Russia: An example from the Urals. *Facies*. Doi: 10.1007/s10347-008-0135-7.
- Aretz, M. Webb, G.E. (2003). Western European and eastern Australian Mississippian shallow-water reefs: A comparison. In: Proceedings of the XVth International Congress on Carboniferous and Permian Stratigraphy, Utrecht, The Netherlands, 10-16 August, 2003 (Ed. T.E. Wong), Roy. Ned. Acad. Arts Sci. 433-442.
- Armijo, R. (1984). Quaternary extension of the Tibet plateau: field observation and technical implication. *International Symposium Geology Himalayas*. 2, 17 (abstract).
- Arrhenius, G. De, B. R. & Alfvén, H. (1974). Origin of the ocean. In *The Sea*, volume vol. 5 (pp. 839–861). Wiley New York, NY.
- Badham, J.P.N. (1982). Strike-slip orogens – an explanation for the Hercynides. *J. Geol. Soc. London*, 139, 493-504.
- Barcelo, C. Liberati, S. Sonogo, S. Visser, M. (2009). Black Stars, Not Holes. *Scientific American* 301 February 46-52.
- Barnett, C.H. (1962). A suggested reconstruction of the land masses of the Earth as a complete crust. *Nature*, 195 (4840), 447-448.
- Becker, G. (1910). *Age of the Earth*. The Smithsonian institution, Washington.
- Beaudette, C.G. (2002). *Excess Heat: Why Cold Fusion Research Prevailed*. Oak Grove Press South Bristol, ME.
- Belousov, V.V. (1979). Why don't I accept Plate Tectonics? *EOS*, 207-211.
- Berhe, S.M. (1999.) Ophiolites in Northeast and East Africa: implications for Proterozoic crustal growth. (London: Journal of the London Geological Society; V. 147; No. 1, 51-57.



## References

- Bird, P. (2003). An updated digital model of plate boundaries. *Geochemistry. Geophysics. Geosystem.* 52, doi 10.1029/2001 GC 000252.
- Blackett, P.M.S., Bullard, E., Runcorn, S.K. (eds.) (1965). *A Symposium on Continental Drift.* The Royal Society, London, x +323 pp.
- Blinov, V.F. (1973). On the hypothesis of Earth's expansion. (In Russian). *FizikaZemli* 1, 27-35.
- Bogolepow (1930), *Die Dehnung de Lithoshare*, Zeit, dt, geol. Ges., 82: 206-228.
- Boucot, J. and Gray, J. (1987). The Tethyan concept during the Paleozoic. In: K.G. McKenzie (Ed). *Shallow Tethys 2.* A. A. Balkema, Rotterdam, 31-50.
- Bouilhol, P. Jagoutz, O. Hanchar, J. M. and Dudas, F.O. (2013). Dating the India-Eurasia collision through arc magmatic records. *Earth Planet Science Letter.* 366, 163-175.
- Boschi, Cwojdzinski & Scalera - editors (2012). *The Earth Expansion Evidence: A Challenge for Geology, Geophysics and Astronomy. Selected Contributions to the Interdisciplinary Workshop held in Erice, Sicily, Italy, 4-9 October 2011 at the Ettore Majorana Foundation and Centre For Scientific Culture.*
- Brezinski, D.K. Cecil, C.B. Skema, V.W. Stamm, R. (2008). Late Devonian glacial deposits from the eastern United States signal an end of the mid-Paleozoic warm period. *Palaeogeogr. Palaeoclim. Palaeocol.* 268, 143-151.
- Bridges, L.W. (2002). *Our expanding Earth. The ultimate cause.* Oran V. Siler Printing. Denver Colorado.
- Brownlee, R. & Cox, A. (1961). Early solar evolution. *Sky and Telescope*, (pp. 252–256).
- Brosske (1962). *Wachst die Erde mit Naturkatastrophen? Die 'Expansions-Theorie' (Does the Earth grow with natural catastrophes? The expansion theory.).* 'Sanus' L. Brosske, Abtlg. Verlag, Dusseldorf-Benroth 41.
- Brunnschweiler, R.O. (1983). Evolution of Geotectonic Concepts in the Past Century. In: Carey, S.W. (ed.): *Expanding Earth Symposium.* Sydney 1981, University of Tasmania, 9-15.
- Buchan, K.L. Ernst, R.E. (2004). Diabase dyke swarms and related units in Canada and adjacent regions. *Geological Survey of Canada Map 2022A*, scale 1:5,000,000, accompanying report 39 pp.
- Bullard, E. (1975). The emergence of plate tectonics: a personal view. *Annual Review of Earth and Planetary Sciences*, 3(1), 1-31.

## The Hidden History of Earth Expansion

- Bullard, E.B. Everett, J.E. and Smith, A.G. (1965). The fit of the continents around the Atlantic. *Philosophical Transaction of the Royal Society of London*, A258, 41-51.
- Burrett, C., Berry, R. (2000). Proterozoic Australia—Western United States (AUSWUS) fit between Laurentia and Australia, *Geology* 28, 103-106.
- Carey, S.W. (1955). Wegener's South America–Africa Assembly, Fit or Misfit? *Geological Magazine*, 92(3), 196-200.  
doi:10.1017/S0016756800063548.
- Carey, S.W. (1958). The tectonic approach to continental drift. In: Carey S. Warren (Ed). *Continental Drift – A Symposium* University of Tasmania, Hobart 177-355. Reprinted 1959.
- Carey, S.W. (1961). Palaeomagnetic evidence relevant to a change in the Earth's radius (a reply to Cox & Doell). *Nature*, 190 (4770), 36-36.
- Carey, S.W. (1976). *The Expanding Earth*. *Developments in Geotectonics*, 10, Elsevier, Amsterdam.
- Carey, S.W. (1978). A philosophy of the Earth and Universe. *Papers and Proceedings of the Royal Society of Tasmania*, 112, 5-19.
- Carey, S.W. (Editor) (1983). *The Expanding Earth*. A Symposium (Ed. S.W. Carey), University of Tasmania.
- Carey, S.W. (1983). Tethys and her forebears. In: *The Expanding Earth*. A Symposium (Ed. S.W. Carey), University of Tasmania, 169-187.
- Carey, S.W. (1988). *Theories of the Earth and Universe: A History of Dogma in the Earth Sciences*. Stanford University Press, Stanford, California, xviii+413 pp. ISBN 08047 1364 2.
- Carey, S.W. (1996). *Earth, Universe, Cosmos*. University of Tasmania, Hobart, pp. 204.
- Carey, S.W. (2000). *Earth, Universe, Cosmos*. 2nd Edition. University of Tasmania, Hobart.
- Cataldi, G. & D., Straser, V. (2016). Solar activity correlated to the M7.0 Japan earthquake occurred. *At New Concepts in Global Tectonics Journal*, V. 4, No. 2, p. 79-85.
- CGMW & UNESCO (1990). *Geological Map of the World*. Commission for the Geological Map of the World, Paris.
- Chatterjee, S., Hotton III, N. ( Editors) (1992). *New Concepts in Global Tectonics*. Texas Tech University Press. ix+ 449 pp.
- Chatterjee, S., Scotese, C.R. (2010). The wandering Indian plate and its changing Biogeography during the Late Cretaceous-Early Tertiary period. In: S. Bandyopadhyay (Ed). *New Aspects of Mesozoic Biogeography*. Springer-Verlag, Germany, 105-126.

## References

- Chatterjee, S., Bajpai, S. (2016). India's northward drift from Gondwana to Asia during the Late Cretaceous-Eocene. *Proc. Indian National Science Academy*, 82, 479-487.
- Chatterjee, S., Goswami, A. Scotese, C.R. (2013). The longest voyage: Tectonic, magmatic and paleoclimatic evolution of the Indian plate during its northward flight from Gondwana to Asia. *Gondwana Research*, 23,238-267.
- Choi, D.R. (2010). The January 2010 Haiti Seismic Disaster Viewed from the Perspective of the Energy Transmigration Concept and Block Tectonics. *NCGT Newsletter*, 54,. 36-54.
- Choi, D.R. Maslov, L. (2010). Global seismic synchronicity. *NCGT Newsletter*, 55, 66-74.
- Choi, D.S. Showman, A.P. Brown, R.H. (2009). Cloud features and zonal wind measurements of Saturn's atmosphere as observed by Cassini/VIMS. *J. Geophys. Res.* 114, E04007. Doi: 10.1029/2008JE003254.
- Ciechanowicz, S., Kozjar, J. (1994). Possible relation between Earth expansion and dark matter. In: F. Selleri, M. Barone (eds.), *Proceedings of the International Conference "Frontiers of Fundamental Physics"* (Olympia, Greece, 27–30 September, 1993). Plenum Press, New York and London, pp. 321–326.
- Close, F. (2004). *Particle Physics, a very short introduction*. (Oxford: Oxford University Press. 160. ISBN 0-19 280434-0.
- Colbert, E.H. (1973). Continental drift and the distributions of fossil reptiles. In: D.H. Tarling and S.K. Runcorn (Eds). *Implications of continental drift to the Earth Sciences*. Academic Press, 393-412.
- Colbert, E.H. (1984). Mesozoic reptiles: India and Gondwanaland. *Indian Journal Science*, 11, 25-37.
- Colpron, M., Nelson, J.L. (2009). A Palaeozoic Northwest Passage: incursion of Caledonian, Baltican and Siberian terranes into eastern Panthalassa, and the early evolution of the North American Cordillera. *Geol. Soc. London, Spec. Publ.* 318/1, 273-307. Doi: 10.1144/SP318.10.
- Condie, K.C. (1997). *Plate tectonics and crustal evolution*. Fourth Edition, (Oxford: Butterworth-Heinneman, An Imprint of Elsevier Science Linacre House, Jordan Hill, Oxford OX2 BDP 200 and Wheeler Road, Burlington, MA, USA. 282.
- Copper, P. (2002). Reef development at the Frasnian/Famennian mass extinction boundary. *Palaeogeogr. Palaeoclimat. Palaeoecol.* 181, 27-65.

## The Hidden History of Earth Expansion

- Copper, P. Scotese, C.R. (2003). Megareefs in Middle Devonian supergreenhouse climates. *Geol. Soc. Am. Spec. Paper* 370, 209-230.
- Cox, C.B. (1975). Distribution of Triassic tetrapods families. In: D.H.Tarling and S. K. Runcorn (Eds). *Implications of continental drift to the Earth Sciences*. Academic Press, 369-371.
- Crawford, A.R. (1979). Gondwanaland and the Pakistan Region. Pp. 103-110 in *Geodynamics of Pakistan*, Ed. A. Farah and K.A. De Jong. Geological Survey of Pakistan, Quetta.
- Creer, K.M. (1965). An expanding Earth? *Nature*, London 205, 539-544.
- Cwojdzinski, S. (1995) - Recenzja: R.Dadlez, W.Jaroszewski. *Tektonika*. Wyd. Nauk. PWN. *Prz. Geol.* 43, 3: 255 - 258. /Review of the book R.Dadlez, W.Jaroszewski. *Tektonics*. Sci Publ.PWN/.
- Cwojdzinski, S. (2001) Czy możliwa jest dyskusja naukowa w geotektonice. *Przeg. Geol.* 49, 10/1: 856 – 857 / Is the discussion in geotectonics possible ? *Geol. Rev.* 49. 10/1: 856-857.
- Cwojdzinski, S. (2003). The Tectonic Structure of the Continental Lithosphere Considered in the Light of the Expanding Earth Theory - A Proposal of a New Interpretation of Deep Seismic Data. *Polish Geol. Inst. Spec. Papers*, 9, 1-80.
- Cwojdzinski, S. (2004). Mantle plumes and dynamics of the Earth interior - towards a new model. *Prz. Geol. /Geol. Review* 52.8/2:817 - 826.
- Cwojdzinski, S. (2012). Geological Evolution of the Sudety Mts. (Central Europe) on the Expanding Globe. In: *The Earth Expansion Evidence, A challenge for geology, geophysics and astronomy. Selected Contribution to the Workshop, held in Erice, Sicily, Italy (4-9 October 2011)*. 263-273. Post-conference publication edited by GiacarloScalera (editor in chief), EnzoBoschi, and Stefan Cwojdzinski. Rome, 492.
- Cwojdzinski, S. (2016). History of a discussion: selected aspects of the Earth expansion v. plate tectonics theories. *Geological Society, London, Special Publications*, 442, SP442-24.
- Cwojdzinski, S., Koziar, J. (1995) Konferencja międzynarodowa - Zagadnienia ekspandującej Ziemi. Wrocław-Sosnowka, 14-17.11.1994. *Prz.Geol.* 43, 4: 349 - 351.
- Czechowski, L. & Leliwa-Kopystynski, J. (2013). Remarks on the Iapetus' bulge and ridge. *Earth Planets Space*, 65, 929-934. Doi: 10.5047/eps.2012.12.008.
- Daly, R.A. (1917). Metamorphism and its phases. *Geol. Soc. Am. Bull.* 28, 375-418.

## References

- Davydov, V.I. (2016). Biotic paleothermometry constrains on Arctic plates reconstructions: Carboniferous and Permian (Zhokhov Island, De-Longa Group Islands, New Siberian Archipelago. *Tectonics*, 35, 2158-2170. Doi: 10.1002/2016TC004249.
- Dearnley, R. (1965). Orogenic fold-belts, convection and expansion of the Earth. *Nature*, 206 (4991), 1284-1290.
- De Celles, P.G. Kapp, P. Gehrels, G. Ding, L. 2014. Paleocene-Eocene foreland basin evolution in the Himalaya of southern Tibet and Nepal: Implications for the age of initial India-Asia collision. *Tectonics*, 33, 824-849.
- De Hilster, D. (2008). The Growing Earth. p. 24. At: <[www.dehister.com/docs/TheGrowingEarth.ppt](http://www.dehister.com/docs/TheGrowingEarth.ppt)>, 77.
- De Lury, J.S. (1931). The auto-traction hypothesis of crustal dynamics and mechanics. *Science* (No. 1900), 73, 590.
- De Lury, J.S. (1941). Correlation of schistosity and tectonic theory. *Am. J. Sci.* 239, 57-73.
- Dewey, J.F. (2015). A harbinger of plate tectonics: a commentary on Bullard, Everett and Smith (1965) 'The fit of the continents around the Atlantic'. *Phil. Trans. R. Soc. A*, 373(2039), 20140227.
- Dewey, F., Bird, J.M. (1970). Plate Tectonics and geosynclines: *Tectonophysics*, 10, 624-638.
- Dewey, J.F. Shackleton, R.M. Chang C. Sun Yin. (1988). The tectonic evolution of the Tibetan plateau: *Phil. Trans. Royal Soc. London*, 379-413.
- Dickins, J.M. (1994). The nature of the oceans or Gondwanaland, fact and fiction. In: *Gondwana Nine*. A. A. Balkema, Netherland, 387-396.
- Dietz, R.S. (1961). Continent and Ocean Basin Evolution by Spreading of the Sea-Floor. *Nature*, London 190, 854-857.
- Dietz, R.S. Holden, J.C. (1970). Reconstruction of Pangea: break-up and dispersion of continents. *Permian to Recent. J. Geophys. Res.* 75: 4,939-4,956.
- Dilek, Y. and Robinson, P.T. (2003). *Ophiolites in Earth History: Geological Society of London Special Publication 218* edited by Dilek, Y. & Robinson, P. T. 723 p.
- Dilek, Y. Shallo, M. and H. Furnes. (2005). Rift-drift, seafloor spreading and subduction tectonics of Albanian ophiolites. *International Geology Review* V. 47. (New York: Taylor & Francis Group. 147-176.
- Dimitriev, L.V. Vinogradov, A.P. and Udentsev, G.B. (1971). Petrology of ultrabasic rocks from rift zones of The Mid-Indian Ocean Ridge. *Philosophical Transactions of the Royal Society of London. Series A*



## The Hidden History of Earth Expansion

- Mathematical and Physical Sciences, V. 268, No. 1192. A discussion on Petrology of igneous and Metamorphic rocks from the Oceanic Flore. (London: The Royal Society,). 403-408.
- Ding, L., Maksatbek, S., Cai, F.L., Wang, H.Q., Song, P.P., Ji, W.Q., Zhang, L.Y., Mohammad, Q., Upendra, B. (2017). Processes of initial collision and suturing between India and Asia. *China Earth Sciences*, 60, 635-657.
- Doglioni, C., Green, D.H., Mongelli, F. (2005). On the shallow origin of hotspots and the westward drift of the lithosphere. *Geol. Soc. Am. Spec Paper 388*, 735-749. Doi: 10.1130/2005.2388(42).
- Doglioni, C., Carminati, E., Cuffaro, M., Scrocca, D. (2007). Subduction kinematics and dynamic constraints, *Earth-Science Reviews* 83, 125–175.
- Doglioni, C., Carminati, E., Crespi, M., Cuffaro, M., Penati, M., Riguzzi, F. (2015). Tectonically asymmetric Earth: From net rotation to polarized westward drift of the lithosphere. *Geosci. Frontiers*, 6, 401-418.
- Dorschner, J. (1986). *Planeten – Geschwister der Erde?* Urania Verlag, Leipzig, 128p.
- Dumoulin, J.A., Harris, A.G., Gagiev, M., Bradley, D.C., Repetski, J.E. (2002). Lithostratigraphic, conodont, and other faunal links between lower Paleozoic strata in northern and central Alaska and northeastern Russia. *Geol. Soc. Am. Spec. Paper 360*, 291-312.
- Drayson, A. (1859). *The Earth we inhabit, its past, present, and probable future.*
- du Toit, A.L. (1937) *Our Wandering Continents: An Hypothesis of Continental Drifting*, Oliver & Boyd, London, UK.
- Dziewoński, A.M., Anderson, D.I. (1984). Seismic tomography of the Earth's interior. *American Scientist*. 72: 483-494.
- Egyed, L., (1956). Determination of changes in the dimensions of the Earth from palaeogeographical data. *Nature*, 178, n.4532, 534-534.
- Egyed, L., (1957). A new dynamic conception of the internal constitution of the Earth. *Geol. Rundsch. B.* 46, p. 101–121.
- Eichler, J.B. (2011). A New Mechanism for Matter Increase Within the Earth. *Nexus*, April-May, 43-48; 82.
- Eichler, J.B. (2015). Rhetoric and paradigm change in science: Three case studies. Master's thesis, University of Arkansas at Little Rock.
- Eichler, J.B. (In press). *An Infinite Universe.*

## References

- Eisbacher, G.H. (1983). Devonian-Mississippian sinistral transcurrent faulting along the cratonic margin of western North America – A hypothesis. *Geology*, 11, 7-10.
- Eisenhower, D. (1961). President Dwight Eisenhower Farewell Address. <https://www.c-span.org/video/?15026-1/president-dwight-eisenhower-farewell-address>.
- Elbeze, A.C. (2013). On the existence of another source of heat production for the earth and planets, and its connection with gravitomagnetism. Published online: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3825064/> p.18
- Ellis, M. Watkinson, A.J. (1987). Orogen-parallel extension and oblique tectonics: the relation between stretching lieations and relative plate motions. *Geology*, 15, 1022-1026
- Elliston, J. (2003). Professor S.W. Carey's struggle with conservatism. In Scalera, G and Jacob, K-H. (Editors) 2003. *Why Expanding Earth? A book in honour of Ott. Christoph Hilgenberg*. INGV publisher Roma 97-114. (a reprint from Newsletters. The Australian Geologist, 125).
- England, P. Houseman, G. Sonder, L. (1985). Length scales for continental deformation in convergent, divergent, and strike-slip environments: analytical and approximate solutions for a thin viscous sheet model. *J. Geophys. Res.* 90 (No. B5), 3551-3557
- England, P. Jackson, J. (1989). Active deformation of the continents. *Earth Planet. Sci. Ann. Rev.* 17, 197-226.
- Erickson, F.P. (2008). *Absolute space, absolute time and absolute motion*. 2678. Publisher: Xlibris, ISBN: 978-1599261171.
- Erickson, W.C. (1980). *Orgonomic Geophysics: The Earth as an Orgonotic System*. Unpublished but posted online at Erickson (2001).
- Erickson, W.C. (1982). *Necessary Giants: Gravity and the Evolution of Dinosaurs*. Unpublished.
- Erickson, W.C. (1985). *Rogue Scientist from Down Under*. Unpublished but posted online at Erickson (2001).
- Erickson, W.C. (1988). *Ever Since Wegener: A Brief History of the Expanding Earth Hypothesis*. Unpublished but posted online at Erickson (2001).
- Erickson, W.C. (1989). *Bipedal Hopping and the Origin of Dinosaurs*. Unpublished but posted online at Erickson (2001).
- Erickson, W.C. (1990). *On the Origin of Dinosaurs and Mammals*. Unpublished but posted online at Erickson (2001).
- Erickson, W.C. (2001). *Bill Erickson's Earth Science Web Page*. <https://www.frontier-knowledge.com/earth>

## The Hidden History of Earth Expansion

- Ernst, W.G. (1971). Metamorphic zonations on presumably subducted lithospheric plates from Japan, California and the Alps. *Contrib. Min. Petr.* 34, 43-59.
- Ernst, W.G. (1973). Blueschist metamorphism and P-T regimes in active subduction zones. *Tectonophys.* 17,255-272.
- Ernst, W.G. (1993). Metamorphism of Franciscan tectonostratigraphic assemblage, Pacheco Pass area, east-central Diablo Range,, California Coast Ranges. *Geol. Soc. Am. Bull.* 105, 618-636.
- Eskola, P. (1939). Die metamorphen Gesteine. In: Die Entstehung der Gesteine. Ein Lehrbuch der Petrogenese. (Ed. C.W. Correns), Julius Springer, Berlin (Reprint 1970), 263-407.
- Evans, J.V. (1958). Insect distribution and continental drift. 134-141. In Carey (1958).
- Ewing, M., Heezen, B.C. (1956). Some problems of Antarctic submarine geology. *Geophys. Monogr.* 1(462), 75-81.
- Fairbridge, R.W., (1964). Thoughts about an expanding globe. In: Subramanion, A.P. and Balakrishna, S. (eds.): *Advancing Frontiers in Geology and Geophysics*. Osmania University Press, Hyderabad, 59-88.
- Farley, K.A. Neroda, E. (1998). Noble Gases in the Earth's Mantle. *Annual Review of Earth and Planetary Sciences*. Vol. 26: 189-218  
From:  
<http://www.annualreviews.org/doi/abs/10.1146/annurev.earth.26.1.189>
- Felt, H. (2012). *Soundings: The story of the remarkable woman who mapped the ocean floor*. ISBN: 978-0-8050-9215-8.
- Fernandez, M.S. Khosla, A. (2015). Para taxonomic review of the Upper Cretaceous dinosaurs eggshell belonging to the family Megaloolithidae from India and Argentina. *Historical Biology*, 27, 158-180.
- Ferry, J. (1992). Regional metamorphism of the Waits River Formation, Eastern Vermont: delineation of a new type of giant metamorphic hydrothermal system. *J. Petr.* 33, 45-94.
- Fleck, L. (1981). *Genesis and development of a scientific fact*. University of Chicago Press.
- Forsyth D., Uyeda, S.. (1975). On the Relative Importance of the Driving Forces of Plate Motion, *Geophysical Journal of the Royal Astronomical Society* 43, 163-200.
- Fox, S.W., Dose, K. (1977). *Molecular Evolution and the Origin of Life* (Revised ed.). Marcel Dekker, New York, 370 pp.

## References

- Fox, S.W, Harada, K., Kendrick, J. (1959). Production of spherules from synthetic proteinoid and hot water: *Science* 129: 1221-1223.
- Frankel, H. (2012). *The Continental Drift Controversy. A Four Volume Set.* Cambridge University Press.
- Frisch, W. Meschede, M. (2005). *Plattentektonik. Kontinentverschiebung und Gebirgsbildung.* Wissenschaftliche Buchgesellschaft, Darmstadt, 196p.
- Galilei, G. (1638). *Two New Sciences.* Holland.
- Ganapathy, R. Keays, R. R. Laul, J. & Anders, E. (1970). Trace elements in Apollo 11 lunar rocks: Implications for meteorite influx and origin of moon. *Geochimica et Cosmochimica Acta Supplement*, vol. 1, p. 1117.
- Ganapathy, R. & Anders, E. (1974). Bulk compositions of the moon and earth, estimated from meteorites. In *Lunar and Planetary Science Conference Proceedings*, vol. 5, pp. 1181–1206.
- Gansser, A. (1973). Facts and theories on the Andes. *J. Geol. Soc. London*, 129, 93-131.
- Gansser, (1991). Facts and theories on the Himalayas. *Eclogie. Geol. Helv.* 84, 33-59.
- Gapais, D. Le Corre, C. (1980). Is the Hercynian belt of Brittany a major shear zone? *Nature*, 288 (No. 5791), 574-576.
- Garzanti, E. Hu, X. (2014). Latest Cretaceous Himalayan tectonics: Obduction, collision or Deccan related uplift? *Gondwana research*, doi: 10.1016/j.gr.2014.1003.1010.
- Gibbons, A. S. and 4 others. (2015). A tectonic model reconciling evidence for the collisions between India, Eurasia and intra-oceanic arcs of the central-eastern Tethys. *Gondwana research*, doi: 10.1016/j.gr.2015.1001.1001.
- Gilliland, W.N. (1964). Extension of the theory of zonal rotation to explain global fracturing. *Nature*, 202, 1276-1278
- Gold, T. (1987). *Power from the Earth.* Dent, London. Pp. 208.
- Gold, T. (1988). *Das Jahrtausend des Methans. Die Energie der Zukunft – unerschöpflich, umweltfreundlich.* Econ Verlag Düsseldorf, Wien, 256p
- Gold, T. (1989). New ideas in science. *J. Sci. Explor.* 3/2, 103-112
- Gong, E. Zhang, Y. Guan, C. Chen, X. (2012). The Carboniferous reefs in China. *J. Palaeogeogr.* 1, 27-42. Doi: 10.3724/SP.J.1261.2012.00004.

## The Hidden History of Earth Expansion

- Goswami, A. and 4 others. (2013). A troodontid dinosaur from the latest Cretaceous of India. *Nature Communications*, 4, 1-5.
- Glenn, W. (1982). *The road to Jaramillo. Critical years of the revolution in Earth Science*. Stanford University Press. 459 pp.
- Greenfield, J. (1974). *Wilhelm Reich vs. the U.S.A.* W.W. Norton & Company, New York, 380 pp.
- Gurnis, M. Hall, C. Lavier, L. (2004). Evolving force balance during incipient subduction. *Geochemistry Geophysics Geosystem*, 5, 1-31.
- Gutenberg, B. (1951). *Internal constitution of the Earth*, volume 7. Dover Publications Inc.
- Guy, R. (2005). *The Mysterious Receding Seas*. ISBN: 978-1413439922
- Gurnis, M. Yang, T. Cannon, J. Turner, M. Williams, S. Flament, N. Müller, R.D. (2018). Global tectonic reconstructions with continuously deforming and evolving rigid plates. *Computers & Geosciences*, 116, 32-41. Doi: 10.1016/j.cageo.2018.04.007
- Hall, C.E. and 6 others. (2003). Catastrophic initiation of subduction following forced convergence across fracture zones. *Earth and Planetary Science Letters*, 212, 15-30.
- Hall, R. (1996). Reconstructing Cenozoic SE Asia. In: *Tectonic Evolution of SE Asia* (Eds. R. Hall, D.J. Blundell), *Geol. Soc. London Spec. Publ.* 106, 153-184
- Hall, R. (2002). Cenozoic geological and plate tectonic evolution of SE Asia and the SW Pacific: computer-based reconstructions, model and animations. *J. Asian Earth Sci.* 20, 353-431.
- Hall, R. (2012). Late Jurassic-Cenozoic reconstructions of the Indonesian region and the Indian Ocean. *Tectonophysics*. 570-571, 1-41. Doi: 10.1016/j.tecto.2012.04.021.
- Hallam, A. (1983). *Great Geological Controversies*. Oxford University Press.
- Hambry, M. J. & Harland, W. B. eds. (1981). *Earth's Pre-Pleistocene glacial record*. Cambridge: Cambridge University Press, London.
- Hanmer, S. Vignerresse, J.L. (1981). Mis en place de diapirs syntectoniques dans la chaîne hercynienne: Exemple des massifs leucogranitiques de Locronan et de Pontivy (Bretagne Centrale). *Bull. Soc. Geol. France*, S7-XXII/2, 193-202. Doi: 10.2113/gssgfbull.S7-XXII.2.193
- Hamilton, W.B. (1979). *Tectonics of the Indonesian Region*, US Geological Survey Professional Paper 1078. United States Government Printing Office, Washington, DC, ix + 345 pp.



## References

- Hamilton, W.B. (2011). Plate Tectonics began in neoproterozoic time, and plumes from deep mantle have never operated. *Lithos*, vol. 123, no. 1-4, pp. 1-20.
- Hamilton, W.B. (2019). Toward a myth-free geodynamic history of Earth and its neighbors, *Earth-Science Reviews* 198, 102905.
- Harrison, C.G.A. (2016). The present day number of tectonic plates. *Earth, Planet and Space*, 68, doi: 10.1186/s40623-016-0400-x.
- Heezen, B.C., (1959a). *Geologie sous-marine et déplacements des continents*. Colloques Internationaux du Centre National de la Recherche Scientifique, N° LXXXIII, Paris, 295-302.
- Heezen, B.C., (1959b). Paleomagnetism, continental displacements, and the origin of submarine topography. *International Oceanographic Congress. Reprints of Abstracts: Am. Assoc. Advance. Sci.*
- Heezen, B.C. (1960). The rift in the ocean floor. *Scientific America*, 203, 98-110.
- Heezen, B.C., Ewing, M. (1961). The mid-oceanic ridge and its extension through the Arctic Basin: *Geology of the Arctic*.
- Heezen, B.C., Tharp, M. (1965). Tectonic fabric of the Atlantic and Indian Oceans and continental drift. *Philosophical transactions of the Royal Society of London. Series A, Mathematical and Physical Sciences*, 258(1088), 90-106.
- Heezen, B.C., Tharp, M. (1966). *Physiography of the Indian Ocean*.
- Heirtzler, J.R. (1977). A Minority View in Geophysics, *Science* 196, 778.
- Hess, H.H. (1962). History of Ocean Basins. In Engel, A.E.J. James, H. L. and Leonard, B.F. (Editors). *Petrologic Studies. A volume in honour of A.F.B. Boddington*. Geological Society of America 599-620.
- Herndon, J.M. (2005). Whole-Earth decompression dynamics. *Curr. Sci.* 89/11, 1937-1941.
- Herndon, J.M. (2011). Geodynamic basis of heat transport in the Earth. *Curr. Sci.* 101/11, 1440-1450.
- Hilgenberg, H. (2003). The life and work of Ott Christoph Hilgenberg: as seen by his daughter, Helge Hilgenberg. In Scalera, G., Jacob, K-H., (Editors) (2003). *Why Expanding Earth? A book in honour of Ott Christoph Hilgenberg*. INGV publisher Rome. 465 pp with extensive bibliography.
- Hilgenberg, O.C. (1933). *Vom Wachsenden Erdball. (On Growing Earth)* Berlin Giessmann und Bartsch 56 pp.
- Hilgenberg, O.C. (1933/2003). The Formation and development of Earth: contraction or expansion. In: *Why Expanding Earth?* (Eds)

## The Hidden History of Earth Expansion

- Scalera, G. Jacob, K. Proceedings of the Lautenthal Colloquium held on May 26, 2001 in honor of Ott Christoph Hilgenberg. Rome (2003).
- Hilgenberg, O.C. (1960?/2003). The formation and development of the Earth: contraction or expansion? (Fragments from the last unpublished manuscript). In Giancarlo Scalera, and Karl-Heinz Jacob (eds): Why Expanding Earth? A book in honour of O.C. Hilgenberg. Proceedings of the Lautenthal Colloquium, held on May 26, 2001. INGV publisher Rome, 53-64.
- Hilgenberg, O.C. (1962). Rock magnetism and the Earth's palaeopoles. *Geofisica pura e applicata*, 53(1), 52-54.
- Hilgenberg, O.C. (1966). Die Paläogeographie der expandierenden Erde vom Karbon bis zum Tertiär nach paläomagnetischen Messungen. *Geologische Rundschau*, 55(3), 878-924.
- Hilgenberg, O.C. (1967/2015). Why Earth expansion? Rheologic evidence of the Earth's expansion.  
<https://www.dinox.org/publications/Hilgenberg1967.pdf>
- Hilgenberg, O.C. (1974). Geotektonik, neuartig gesehen. *Geotektonische Forschungen (Geotectonic Research)*, 45, Schweizerbartsche Verlagsbuchhandlung, Stuttgart, 194p.
- Hodgin, R.C. (2008). NASA snaps photo of remote planet. Information by (November 13, 2008). At: <http://www.tgdaily.com/trendwatch-features/40192-nasa-snaps-photo-of-remote-planet-25-light-years-away-using-visible-light->
- Holland, H.D. (1984). *The Chemical Evolution of the Atmosphere and Oceans*. Princeton, N.J.: Princeton University Press.
- Hole, M. J. & Natland, J. H. (2019). Magmatism in the North Atlantic Igneous Province; mantle temperatures, rifting and geodynamics. *Earth Science Reviews*, [Earth\_2018\_391]. <https://doi.org/10.1016/j.earscirev.2019.02.011>
- Holmes, A. (1913). *The Age of the Earth*.
- Holmes, A. (1931). Radioactivity and Earth Movements. *Transactions of the Geological Society of Glasgow*, 18, 559-606, 1931, <https://doi.org/10.1144/transglas.18.3.559>.
- Holmes, A. (1944). *Principles of Physical Geology*. Thomas Nelson, xii+532, reprinted 1945, revised and expanded 1965.
- Holmes, A. (1965). *Principles of Physical Geology*. Second edition. Nelson, London, pp.1288.
- Holmes, D., Holmes, A. (1978). *Principles of Physical Geology*. Third edition.

## References

- Hooft, G. (2007). The conceptual basis of quantum field theory. In: *The Oxford Handbook of Philosophy and physics*. (Ed. Robert Batterman, p. 661-729).
- Hoshino M. (1998). *The Expanding Earth: Evidence, Causes and Effects*. Tokai University Press, 295 pp.
- Hu, X. and 5 others. (2016). The timing of India-Asia collision onset – Fact, theories, controversies. *Earth Science Review*, 160, 264-299.
- Huisman, R.S., Beaumont C. (2014) Rifted continental margins: The case for depth-dependent extension, *Earth and Planetary Science Letters* 407 148-162.
- Hurrell, S.W. (1994). *Dinosaurs and the Expanding Earth*. One-off Publishing, 222 pp. ISBN 0952260301
- Hurrell, S.W. (2011). *Dinosaurs and the expanding Earth: One explanation for the gigantic sizes of some pre-historic life*. U.K.: One off, 3rd edition. ISBN 9780952 26037 0
- Hurrell, S.W. (2011). Ancient life's gravity and its implications for the expanding Earth. (Extended abstract). In *Extended Abstracts of the 37th Interdisciplinary Workshop of International School Geophysics. Sicily. "The Earth Expansion Evidence: A challenge for Geology, Geophysics and Astronomy"* Volume: Pre-conference book - Extended abstracts. DOI: 10.13140/2.1.1522.4643.
- Hurrell, S.W. (2012). Ancient Life's Gravity and its Implications for the Expanding Earth. In *The Earth expansion evidence – A Challenge for Geology, Geophysics and Astronomy - Selected Contributions to the Interdisciplinary Workshop of the 37th International School of Geophysics*. Aracne Editrice, Roma.  
<https://www.earth-prints.org/handle/2122/8838>
- Hurrell, S.W. (2014). A New Method to Calculate Palaeogravity Using Fossil Feathers. *NCGT Journal*, v. 2, no. 3, September, 2014. p 29-34.
- Hurrell, S.W. (2017). Early speculations about Earth expansion by Alfred Wilks Drayson (1827-1901) and William Thorp (1804-1860).  
<https://dinox.org/hurrell2017>
- Hurrell, S.W. (2018). A palaeogravity calculation based on weight and mass estimates of *Giraffatitan* (= *Brachiosaurus*) *brancai*.  
<https://dinox.org/hurrell2018a>
- Hurrell, S.W. (2019a). Palaeogravity calculations based on weight and mass estimates of four *Tyrannosaurus rex* specimens.  
<https://dinox.org/hurrell2019a>

## The Hidden History of Earth Expansion

- Hurrell, S.W. (2019b). A palaeogravity calculation based on weight and mass estimates of *Acrocanthosaurus atokensis*.  
<http://dinox.org/hurrell2019b>
- Hurrell, S.W. (2019c). Palaeogravity calculations based on weight and mass estimates of two *Coelophysis bauri* specimens.  
<http://dinox.org/hurrell2019c>
- Hurrell, S.W. (2019d). A Palaeogravity calculation based on weight and mass estimates of *Gigantoraptor erlianensis*.  
<http://dinox.org/hurrell2019d>
- Hurrell, S.W. (2019e). A Palaeogravity calculation based on weight and mass estimates of *Ankylosaurus magniventris*.  
<http://dinox.org/hurrell2019e>
- Hurrell, S.W. (2019f). A Palaeogravity calculation based on weight and mass estimates of *Euoplocephalus tutus*.  
<http://dinox.org/hurrell2019f>
- Hurrell, S.W. (2019g). A Palaeogravity calculation based on weight and mass estimates of *Megalosaurus bucklandii*.  
<http://dinox.org/hurrell2019g>
- Hurrell, S.W. (2019h). Palaeogravity calculations based on weight and mass estimates of *Paraceratherium transouralicum*.  
<http://dinox.org/hurrell2019h>.
- Hutton, J. (1788). Theory of the Earth: or an investigation of the laws observable in the composition, dissolution, and restoration of land upon the globe. Royal Society of Edinburgh.
- Hutton, J. (1795). Theory of the Earth. Volume I.
- Hsü, K. (ed.), (1982). Mountain Building Processes. Academic Press, London, pp.263.
- Ingersoll, R.V. (1988). Tectonics of sedimentary basins. Geol. Soc. Am. Bull. 100, 1704-1719.
- Irving, E. (1977). Drift of major continental blocks since the Devonian. Nature, 270, 304-309.
- Ishikawa, A., Pearson, D.G., Dale, C.W. (2011). Ancient Os isotope signatures from the Ontong Java Plateau lithosphere: tracing lithospheric accretion history, Earth and Planetary Science Letters 301 159-170.
- Jackson, H.R. and Gunnarson K. (1990). Reconstructions of the Arctic: Mesozoic to Present. Tectonophysics 172, 303-322.
- Jacob, K.-H. (1974). Deutung der Genese von Fluoritlagerstätten anhand ihrer Spurenelemente, insbesondere an fraktionierten seltenen Erden (Interpretation of the genesis of fluorine deposits

## References

- based on trace elements, with emphasis on fractionated rare earths), TU Berlin, 99 pp.
- Jacob, K.-H. (2010). Über Selbstorganisation und ihre Bedeutung für die Geologie. (About self-organization and its importance in geology). *Zeitschrift für Geologische Wissenschaften (ZGW)*, Berlin, 38, 295-310, 6 plates.
- Jacob, K.-H., Dietrich, S., Krug, H.-J. (1994). Self-organization in mineral fabrics. In: *Fractals and Dynamic Systems in Geosciences* (Ed.: J.H. Kruhl), Springer, 259-268.
- Jacob, K.-H., Dietrich, S. (2012). Electric Field Forces and Self-Organization. From Common Concepts to New Insights. In: *The Earth Expansion Evidence – A Challenge for Geology, Geophysics and Astronomy. Selected Contributions to the Interdisciplinary Workshop of the 37th International School of Geophysics EMFCSC, Erice (4-9 October, 2011)* (Eds.: G. Scalera, E. Boschi, S. Cwojdzinski), 407-419.
- Jagoutz, O., Royden, L., Holt, A.F., Becker, T.W. (2015). Anomalously fast convergence of India and Eurasia by double subduction. *Nature Geosciences Letters*. 8, 475-478.
- Japsen, P. Bidstrup, T. Lidmar-Bergström, K. (2002). Neogene uplift and erosion of southern Scandinavia induced by the rise of the South Swedish Dome. In A.G. Doré, J.A. Cartwright, M.S. Stoker, J.P. Turner & N. White (eds.): *Exhumation of the North Atlantic margin: timing, mechanisms and implications for petroleum exploration*, 299–314. Geological Society, London, Special Publication 162.
- Jardetzky, W.S. (1929). La rotation zonale de la planète et les dérives continentales. *Acad. Roy. Serbe, Glas. Belgrade*, 134, 150-157
- Jardetzky, W. (1954). The principal characteristics of the formation of the Earth's crust. *Science*, 119 (No. 3090), 361-365
- Jiang, S. He, M. Yue, W. Qi, B. & Liu, J. (2007). Observation of  $^3\text{He}$  and  $^3\text{H}$  in the volcanic crater lakes: possible evidence for natural nuclear fusion in deep Earth. In *8th International Workshop on Anomalies in Hydrogen/Deuterium Loaded Metals, Sicily, Italy: Citeseer*.
- Ji'an S. Mingguo Z. Lüqiao Z. Daming L. (2004). Identification of Five Stages of Dike Swarms in the Shanxi-Hebei-Inner Mongolia Border Area and Its Tectonic Implications. *Acta Geologica Sinica – English Edition*, 78, 320-330.
- Johnson, A. (2019). *The Earth... but not as We Know It*.



## The Hidden History of Earth Expansion

- Johnson, B.D. Powell, C. McA. and Veevers, J.J. (1980). Early spreading history of the Indian Ocean between India and Australia. *Earth and Planetary Science Letters* . 47, 131-143.
- Johnson, M.R.W. (2002). Shortening budgets and the role of continental subduction during the India-Asia collision. *Earth Science Review*. 59, 101-123.
- Jones, S. & Ellsworth, J. (2003). Geo-fusion and cold nucleosynthesis in tenth international conference on cold fusion. Cambridge, MA: LENR-CANR. org.
- Jordan, P. (1966). *Die Expansion der Erde*. Vieweg, Braunschweig, 182p.
- Jordan, P. (1973). The expanding earth. *The Physicist's Conception of Nature*.
- Kahle, C.F. (1974). Plate Tectonics—Assessments and Reassessments. American Association of Petroleum Geologists. SBN-10: 0891812997. ISBN (electronic): 9781629812182.
- Karna Lidmar-Bergström, Mats Olvmo & Johan M. Bonow (2017). The South Swedish Dome: a key structure for identification of peneplains and conclusions on Phanerozoic tectonics of an ancient shield, GFF, DOI: 10.1080/11035897.2017.1364293.
- Kasting, J. F. & Howard, M. T. (2006). Atmospheric composition and climate on the early earth. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 361(1474), 1733–1742.
- Ketner, K.B. (2012). An alternative hypothesis for the mid- Paleozoic Antler orogeny in Nevada. USGS, Prof. Paper 1790, 11p.
- Khan, Z.A. and Tewari, R.C. (2016). The concept of Gondwanaland and Pangaea- A appraisal: *Journal of Applied Geology and Geophysics*, v.4, p.44-56. doi: 10.9790/0990-0403024456.
- Khan, Z.A. and Tewari, R.C. (2017). Problems in accepting Plate Tectonics and subduction as a mechanism of Himalayan evolution. *Jour. Applied Geology and Geophysics*. 5, 81-100.
- Khan, Z.A. and Tewari, R.C. (2018). Indus-Yarlung Tsangpo Suture zone concept- A second opinion. *Jour. Tethys*, 5, 218-239.
- Kiessling, W. Flügel, E. Golonka, J. (1999). Paleoreef maps: Evaluation of a comprehensive database on Phanerozoic reefs. *AAPG Bulletin*, 83/10, 1552-1587.
- King, L.C. (1983). *Wandering Continents and Spreading Sea Floors on an Expanding Earth*. Wiley, Chichester, pp. 232.

## References

- Keindl, J. (1940) Dehnt sich die Erde aus? Eine geologische Studie. (Is the Earth expanding? A geological study.), Herold-Verlag Dr. Franz Wetzels & Co., Munchen-Solln, pp.50.
- Klootwijk, C.T. (1986). Greater India's margin: Paleomagnetic evidence for large-scale continental subduction, In: K.G. McKenzie (Ed).Shallow Tethys 2. A. A. Balkema, Rotterdam, 529.
- Kokus, M. (2004). Alternate theory of gravity and geology in seismic prediction. In New Concepts in Global Tectonics; Urbino Workshop 29-31 Aug. Italy.
- Kort, L. (1949). Das Wachen der Earth und die Wanderung der Kontinente. Buchdruckerei, Hannover, pp. 53.
- Koziar, J. (1980). Ekspansja den oceanicznych I jej zwiazek z hipotaza ekspansji Ziemi. Sprawozdania Wroclawskiego Towarzystwa Naukowego, 35, 13-19. [Expansion of the ocean floors and its connection with the hypothesis of the expanding Earth. Reports of the Wroclaw Scientific Society, vol. 35B. Ossolineum, Wroclaw, pp. 13–19.]
- Koziar, J. (1985). Rozwój oceanów jako przejaw ekspansji Ziemi. Geologia nr 8. Uniwersytet Slaski, Katowice, s. 109–114. [Development of the oceans as a manifestation of Earth's expansion. Geology no. 8. The Silesian University, Katowice, pp. 109–114.]
- Koziar, J. (1991). Prace nad problemami ekspansji Ziemi w ocerodku wroclawskim. Acta Universitatis Wratislaviensis, nr 1375, s. 110–156. [Research on the Expanding Earth in the Wrocław scientific community. Acta Universitatis Wratislaviensis, no. 1375, pp. 110–156.]
- Koziar, J. (1991). Nowa rekonstrukcja Gondwany na ekspanduj<sup>1</sup>cej Ziemi, na tle rekonstrukcji dotychczasowych. Acta Universitatis Wratislaviensis, nr 1375, s. 357–396. [A new reconstruction of Gondwana on the expanding Earth. Acta Universitatis Wratislaviensis, no. 1375, pp. 357–396.]
- Koziar, J. (1993). Rozwój Pacyfiku i jego znaczenie dla współczesnej geotektoniki. W: J. Skoczylas (red.), Streszczenia referatów, tom II. Polskie Towarzystwo Geologiczne – Oddział w Poznaniu i Instytut Geologii Uniwersytetu im. Adama Mickiewicza w Poznaniu, Poznań, s. 45–56. [Development of the Pacific and its significance to the contemporary geotectonics. (The expanding Pacific). In: J. Skoczylas (ed). Lecture summaries. vol. II. The Polish Geological Society – Poznań Branch and the Institute of Geology of the Adam Mickiewicz University in Poznań, Poznań, pp. 45–56.]

## The Hidden History of Earth Expansion

- Koziar, J. (1994). Principles of plate movements on the expanding Earth. In: *Frontiers of Fundamental Physics*. Eds. M. Barone & F. Selleri. Plenum Press. New York & London: 301 - 307.
- Koziar, J. (2003). Tensional development of active continental margins. In: K. H. Jacob (ed.), *Materials of the International Conference „Erdexpansion – eine Theorie auf dem Prüfstand“* (24–25 May, 2003, Ostbayern Schloss Theuern (Germany). Technische Universität, Berlin, pp. 27–35.
- Koziar, J. (2005). Tensyjny rozwój orogenów sródladowych. Część I, Mechanizm. W: J. Skoczylas (red.), *Streszczenia referatów, tom XIV*. Polskie Towarzystwo Geologiczne – Oddział w Poznaniu i Instytut Geologii Uniwersytetu im. Adama Mickiewicza w Poznaniu, Poznań, s. 131–156. [Tensional development of intracontinental fold belts. Part I, Mechanism. In: J. Skoczylas (ed.), *Lecture summaries, vol. XIV*. The Polish Geological Society – Poznań Branch and the Institute of Geology of the Adam Mickiewicz University in Poznań, Poznań, pp. 131–156.]
- Koziar, J. (2005). Tensyjny rozwój orogenów óródladowych. Część II, Przykłady regionalne. W: J. Skoczylas (red.), *Streszczenia referatów, tom XIV*. Polskie Towarzystwo Geologiczne – Oddział w Poznaniu i Instytut Geologii Uniwersytetu im. Adama Mickiewicza w Poznaniu, Poznań, s. 157–196. [Tensional development of intracontinental fold belts. Part II, Global examples. In: J. Skoczylas (ed.), *Lecture summaries, vol. XIV*. The Polish Geological Society – Poznań Branch and the Institute of Geology of the Adam Mickiewicz University in Poznań, Poznań, pp. 157–196.]
- Koziar, J. (2006). Terrany, czyli geologia w krainie duchów. W: J. Skoczylas (red.), *Streszczenia referatów, tom XV*. Polskie Towarzystwo Geologiczne – Oddział w Poznaniu i Instytut Geologii Uniwersytetu im. Adama Mickiewicza w Poznaniu, Poznań, s. 47–98. [Terranes: or geology in a phantoms world. In: J. Skoczylas (ed.), *Lecture summaries, vol. XV*. The Polish Geological Society – Poznań Branch and the Institute of Geology of the Adam Mickiewicz University in Poznań, Poznań, pp. 47–98.]
- Koziar, J. (2007). Tensional origin of the inversion in the Polish Basin with reference to tensional development of the Bohemian Massif. Extended abstract. In: B. Kontny, V. Schenk (eds.), *Abstracts of the 8th Czech – Polish Workshop „On Recent Geodynamics of the Sudety Mts. and Adjacent Areas”* (Kłodzko, Poland, 29–31 March, 2007). Wrocław University of Environmental and Life Sciences, Wrocław, pp. 17–21.

## References

- Koziar, J. (2011). Shortening of the Length of Day (LOD) Caused by Big Tsunami Earthquakes on the Expanding Earth (extended abstract). In: S. Cwojdzinski, G. Scalera (eds.), Pre-Conference Extended Abstracts Book of the 37th Course of the International School of Geophysics. Interdisciplinary Workshop on "The Earth Expansion Evidence: A challenge for Geology, Geophysics and Astronomy." (Ettore Majorana Foundation and Centre for Scientific Culture, Erice, Sicily, 4–9 October, 2011). Istituto Nazionale di Geofisica e Vulcanologia, Rome, pp. 55–58.
- Koziar, J. (2012). Expanding Earth and Space Geodesy. Society of Geologist Alumni of Wroclaw University. Wroclaw 2018.
- Koziar, J. (2018). Falsification of the Eulerian motions of lithospheric plates. Circularity of the plate tectonics theory. LAP LAMBERT Academic Publishing.
- Koziar, J. (2018). Geological proofs of significant expansion of the Earth and its broader scientific context. Association of Geologist Alumni of Wroclaw University, Wroclaw, PL. ISBN 978-83-950414-1-9.
- Koziar, J., Jamrozik, L. (1985). Application of the tension–gravitational model of the tectogenesis to the Carpathian orogen reconstruction. In: Proceeding reports of the XIIIth Congress of the Carpatho – Balkan Geological Association (Cracow, Poland, 5–10 September, 1985), part I. Polish Geological Institute, Cracow, pp. 200
- Koziar, J., Jamrozik, L. (1994). Tension–gravitational model of island arcs. In: F. Selleri, M. Barone (eds.), Proceedings of the International Conference "Frontiers of Fundamental Physics" (Olympia, Greece, 27–30 September, 1993). Plenum Press, New York and London, pp. 335–337.
- Koziar, J., Muszyński, A. (1980). Spostavki meždu ekstenzjonnoto rozvitije na Srediziemno i Ėerno morje. Spisanje na Blgarskoto Geologičesko Družestva, god. XLI, kn. 3, s. 247–259. [Correlations of extensional development of the Mediterranean and the Black Sea. Review of the Bulgarian Geological Society, vol. 41, no. 3, pp. 247–259.]
- Krause, D.W. and 4 others. (1997). Cosmopolitanism among Gondwanian Late Cretaceous mammals. *Nature*, 390, 178–208.
- Krouss, L. (2014). A Beacon from the Big Bang. *Scientific American* 4, 311.59–67.
- Krug, H.-J., Dietrich, S., Jacob, K.-H. (1994). The formation and fragmentation of periodic bands through precipitation and Ostwald ripening. In: *Fractals and Dynamic Systems in Geosciences* (Ed.: J.H. Kruhl), Springer, 269–289.

## The Hidden History of Earth Expansion

- Kuhn, T. (1970). The structure of scientific revolutions. University of Chicago press, 2nd ed edition.
- Kundt, W. (1998). The Gold effect: Odyssey of scientific research. arXiv:astro-ph/9810059v1, 54 S.
- Larson R.L. Pitman W.C. (III), Golovchenko X. Cande S.C. Dewey J.F. Haxby W.F. & LaBrecque (mapcompilers) (1985). The Bedrock Geology of the World. Freeman & Co. New York.
- Lay, T. Hernlund, J. Buffett, A.B. (2008). Core–mantle boundary heat flow. In Nature Geoscience, No. 1, p. 25-32.
- Laya-Pereira, J.C. (2012). Permian carbonates in the Venezuelan Andes. Doctoral Thesis, Durham Univ. 330p.
- Leclerc, G-L. (1751). Theory of the Earth.
- Le Grand, H.E. (1988). Drifting Continents and Shifting Theories. Cambridge University Press.
- Le Pichon, X. (1968). Sea-floor spreading and continental drift. J.Geophys.Res. 73, 12:3661 - 3697.
- Le Pichon, X. (2001). My Conversion to Plate Tectonics. In Oreskes, N. (editor), Le Grand, H.E. (2001). Plate tectonics: An insider's history of the modern theory of the Earth. Westview Press.
- Lerner, E. (1992). The Big Bang never happened. Vintage Books, New York.
- Lewis, C. (2000). The Dating Game: One Man's Search for the Age of the Earth, Cambridge University Press, ISBN 0-521-89312-7
- Leyton, M. Monroe, J. (2017). The Source for Up to Half of Earth's Internal Heat Is Unknown. Web: [https://www.realclearscience.com/articles/2017/08/05/the\\_source\\_for\\_up\\_to\\_half\\_of\\_earths\\_internal\\_heat\\_is\\_unknown.html](https://www.realclearscience.com/articles/2017/08/05/the_source_for_up_to_half_of_earths_internal_heat_is_unknown.html)
- Liang Rixuan, Bai Wanji. (1984). Genesis of ultramafic rocks in Yarlu-Zhangbo ophiolite belt. International Symposium Geology Himalaya, 1, 117-118 (Abstract).
- Lindemann, B. (1927). Kettengebirge, Kontinentale Zerspaltung und Erdexpansion. Gustav Fischer Publishers, Jena. 186p.
- Love, J.J. Thomas, J.N. (2013). Insignificant solar-terrestrial triggering of earthquakes. Geophysical Research Letters. Vol.40, is. 6:1165-1170.
- Lovelock, J.E. (1979). Gaia: A new look at life on Earth. Oxford University Press, Oxford, 176 pp.
- Low, F. S. Kristna, S. (1970). Narrow band infrared photometry of alfactory. Nature: 3. 23. 13-22.



## References

- Lyell, C. (1830). *Principles of Geology: being an attempt to explain the former changes of the Earth's surface, by reference to causes now in operation. Part I.*
- Managadze, G.G., Cherepin, V.T., Shkuratovm Y.G., Kolesnik, V.N., Chumikov, A.E. (2011). Simulating OH/H<sub>2</sub>O formation by solar wind at the lunar surface, *Icarus* 215, 449–451.
- Mardfar - See Amirmardfar.
- Makarenko G.F. (1983). Volcanic Seas on Earth and Moon. (In Russian), (Moscow, Izdatel's tvo Nedra.
- Marvin, D. (2018). The Expanding Earth and the Implications on the Geophysics of Earth. 44p.
- Marvin, J.H. (2003). The Nuclear Heart of the Earth. Interview at: <http://www.spacedaily.com/news/earth-03k.html>.
- Marvin, J.H. (2014). Herdon's Earth and the Dark Side of Science; Perface at: [http://nuclearplanet.com/Herdon's\\_Earth%20.html](http://nuclearplanet.com/Herdon's_Earth%20.html).
- Molnar, P. Tapponnier, P. (1975). Cenozoic tectonics of Asia: effects of a continental collision: *Science*, 189, 419-426.
- Manuel K. Oliver (2009). Earth's Heat Source, the Sun. At: *Energy & Environment* 20131-144.  
<https://arxiv.org/ftp/arxiv/papers/0905/0905.0704.pdf>.
- Mareschal, J-C. et al. (2012). Geoneutrinos and the energy budget of the Earth. *Journal of Geodynamics*, Vol. 54, p. 43– 54.
- Maxlow, J. (1995). Global Expansion Tectonics: The geological implications of an expanding Earth. Unpublished Master of Science thesis, Curtin University of Technology, Perth, Western Australia.
- Maxlow, J. (2001). Quantification of an Archaean to Recent Earth Expansion Process Using Global Geological and Geophysical Data Sets. PhD thesis, Curtin University of Technology, Western Australia.
- Maxlow, J. (2002). Quantification of an Archaean to recent Earth Expansion Process using Global Geological and Geophysical Data Sets. Unpublished PhD thesis, Curtin University of Technology, Perth, Western Australia.
- Maxlow, J. (2003). Quantification of an Archaean to Recent Earth expansion process. In Scalera, G and Jacob, K-H. (Editors) 2003. *Why Expanding Earth? A book in honour of Ott. Christoph Hilgenberg.* INGV publisher Roma. 335-349.
- Maxlow, J. (2005). *Terra non firma Earth: Plate Tectonics is a myth.* Terrella Press.

## The Hidden History of Earth Expansion

- Maxlow, J. (2014). *On the Origin of Continents and Oceans: A Paradigm Shift in Understanding*. Perth, Western Australia: Terrella Press.
- Maxlow, J. (2015). *Expansion Tectonics: A Complimentary Download*. Terrella Press, 114p.
- Maxlow, J. (2018). *Beyond Plate Tectonics: Unsettling settled science*. Aracne Editrice, Roma. [www.aracneeditrice.it](http://www.aracneeditrice.it)
- McCarthy, D. (2003). The trans-pacific zipper effect: disjunct sister taxa and matching geological outlines that link the pacific margins. *Journal of Biogeography*, 30(10), 1545–1561. <https://doi.org/10.1046/j.1365-2699.2003.00929.x>
- McCarthy, D. (2011). *Here be dragons: how the study of animal and plant distributions revolutionized our views of life and Earth*. OUP Oxford.
- McElhinny M.W. Lock J. (1996). IAGA paleomagnetic databases with Access. *Surveys in Geophysics*, 17, 575-591.
- McKenzie, D.P. (1977). Plate Tectonics and Its Relationship to the Evolution of Ideas in the Geological Sciences, *Daedalus* Vol. 106 No. 3, 97-124.
- Menard, H.W. (1986). *The Ocean of Truth: A Personal History of Global Tectonics*. Princeton University Press.
- Meservey, R. (1969). Topological inconsistency of continental drift in the present-sized earth. *Science*.
- Meyerhoff, A.A., Tanner, I., Morris A.E.L., Martin, B.D., Agocs, W.B., Meyerhoff, H.A. (1992). Surge tectonics: a new hypothesis of Earth dynamics. In: Chatterjee, S. and Hotton, N. (eds.): *New Concepts in Global Tectonics*. Texas Tech. University Press, Lubbock, 309-409.
- Meyerhoff, A.A. (1995). Surge-tectonic evolution of southeastern Asia: A geohydro-dynamics approach. *Jour. Southeast Asian Earth Sciences*, 12, 143-247.
- Meyerhoff, A.A., Boucot, A.J., Meyerhoff, H.D., Dickins, J.M. (1996). Phanerozoic faunal and floral realms of the Earth: The intercalary relations of the Malvinokaffric and Gondwana faunal realm with the Tethyan faunal realm. *Mem Geological Society of America* No. 189.
- Miller, E.L. Kuznetsov, N. Soboleva, A. Udoratina, O. Grove, M.J. Gehrels, G. (2011). Baltica in the Cordillera? *Geology*, 39/8, 791-794. Doi: 10.1130/G31910.1.
- Mizuno, T. (1998). *Nuclear transmutation: the reality of cold fusion*. Infinite Energy Press Concord.

## References

- Molnar, P. (2007). An examination of evidence used to infer late Cenozoic “Uplift” of mountain belts and other high terrain: What scientific question does such evidence pose? *Journal of the Geological Society of India*, 70, 395-410.
- Moore, E.M. (1991). Southwest U.S.—East Antarctic (SWEAT) connection: A hypothesis. *Geology* 19, 425-428.
- Moore, E.M., Kellogg, L.H. and Dilek, Y. (2000). Tethyan Ophiolites, mantle convection and tectonic historical contingency: A resolution of the ophiolite conundrum. *GSA. Inc. Special Paper #349 in Ophiolites and Oceanic Crust: New Insight from the Field Studies and the Drilling Program*, 349, 3-12.
- Myers, L.S. (2004). Earth expanding rapidly by external accretion expansion. In *Urbino Workshop 29-31 August*.
- Myers, L.S. (2008). A growing and expanding Earth is no longer questionable. (Washington, D.C.: American Geophysical Union, Spring Meeting, 26a. Myers).
- Myers, L.S. (2015). *Gravity: The Source of Earth's Water*. Page Publishing Inc. ISBN-13: 978-1682137116.
- Najman, Y. and 9 others. (2010). Timing of India-Asia collision: geological, biostratigraphic and paleomagnetic constraints. *Jour. Geophys. Research*, 115, 1978-2012.
- Neuendorf, K.K.E., Mehl Jr, J.P., Jackson, J.A. (Editors) (2011). *Glossary of Geology (Fifth Edition), Revised*, American Geosciences Institute, Alexandria, Virginia.
- Neiman, V.B., 1962: *Razsirjajuscajsja Zemlja (The expanding Earth)*. Gosudarstvennoje Izdatelstwo Geograficeskoj Literatury, Moskwa.
- Nicolas, A., Bouchez, J.L., Blaise, J., Poirier, J.P. (1977). Geological aspects of deformation in continental shear zones. *Tectonophysics*, 42, 55-73.
- Nicolas, A., Poirier, J. P. (1976): *Crystalline Plasticity and Solid State Flow in Metamorphic Rocks*. J. Wiley & Sons, London, 444p.
- Nicolis, G., Prigogine, I. (1987). *Die Erforschung des Komplexen*. Piper, München, Zürich, 384 pp.
- Noel, D. (1986). Nut tree distributions and the expansion of the Earth. [http:// wayback.archive-it.org/1941/20100524190351/http://www.wanatca.org.au/Q-Yearbook/Y11all.pdf](http://wayback.archive-it.org/1941/20100524190351/http://www.wanatca.org.au/Q-Yearbook/Y11all.pdf)
- Noel, D. (1989). *Nuteeriat: nut trees, the expanding Earth, Rottneest Island, and all that—*. Published for the Planetary Development Group, Tree Crops Centre by Cornucopia Press. Reprint available from

## The Hidden History of Earth Expansion

- Amazon, <https://www.amazon.com/Nuteeriat-Expanding-Rottneest-Island-P-Book/dp/1982976624/>
- Noel, D. (2012). Inside The Earth -- The Heartfire Model.  
<http://www.aoi.com.au/bcw/Heartfire/index.htm>
- Noel, D. (2013). Inside the Earth -- The Heartfire Model.  
<http://www.aoi.com.au/bcw/Heartfire/index.htm>
- Noel, D. (2017a). EP302: The Earth-Expansion Model Part A --The Death of Plate Tectonics. <http://www.aoi.com.au/EP/EP302.htm>. [A revision of "Fixed-Earth and Expanding-Earth Theories -- Time for a Paradigm Shift?"  
<<http://www.aoi.com.au/bcw/FixedorExpandingEarth.htm>> 2004.]
- Noel, D. (2017b). EP303: The Earth-Expansion Model Part B -- Answers to A Hundred Puzzles. <http://www.aoi.com.au/EP/EP303.htm> [A revision of "Fixed-Earth and Expanding-Earth Theories -- Time for a Paradigm Shift?"  
<<http://www.aoi.com.au/bcw/FixedorExpandingEarth.htm>> 2004.]
- Noel, D. (2017c). XT807: The Concore Model of planet and star interiors. <http://www.aoi.com.au/Extracts/XT807.htm> [An extract from Inside "The Earth -- The Heartfire Model". ref. 9, 2012]
- Norin, E. (1946). Geological expedition in Western Tibet: Report Sino-Swedish Expedition, Stockholm, 1-229.
- Nutman, A.P. Clark R.L. Friend C.R.L. Bennett V.C. McGregor V.C. (2004). Dating of the Ameralik dyke swarms of the Nuuk district, southern West Greenland: mafic intrusion events starting from c. 3510 Ma. *Journal of the Geological Society*, 161, 421-430; DOI: 10.1144/0016-764903-043.
- Ogrisseg, J. (2009). Dogmas may blinker mainstream scientific thinking. <https://www.japantimes.co.jp/life/2009/11/22/life/dogmas-may-blinker-mainstream-scientific-thinking/>
- Ollier, C.D. (1969). 'Weathering', Oliver & Boyd, Edinburgh, 304.
- Ollier, C.D. (1981). *Tectonics and Landforms*, Longman, Harlow, 324.
- Ollier, C.D. (2002). The structure and origin of mountains: Pre-planation and post-planation gravity structures. in Dramis F. Farabollini P. Molin P. (Eds.) Large-scale vertical movements and related gravitational processes. In: *Proc. International Workshop, Camerino-Roma 21-26 June 1999*, Studi Geologici Camerti, Numero Speciale; pp.147- 155, Edimond,
- Ollier, C.D. (2003). The origin of mountains on an expanding Earth, and other hypotheses. In Scalera,G. & Jaob, H. (eds) *Why Expanding Earth*. 129 – 160 . INGV Publisher, Rome.

## References

- Ollier, C.D. (2004). The evolution of mountains on passive continental margins. 59 – 88 In: Slaymaker, O. and Owens, P. (eds.): *Mountain Geomorphology*. Edward Arnold, London, Città di Castello (Italy).
- Ollier, C.D. (2006). A plate tectonics failure: the geological cycle and conservation of continents and oceans. *Annals of Geophysics*, Supplement to Vol. 49, N. 1, Chapter 8, 427-436.
- Ollier, C.D. (2007). Exceptional planets and moons, and theories of the expanding Earth. *New Concepts in Global Tectonics*, 45, 52-54.
- Ollier, C.D. (2012a). Dykes, crustal extension and global tectonics. In Scalera, G. Boschi, E. and Cwojdzinski (eds.) *The Earth Expansion Evidence – a challenge for Geology, Geophysics and Astronomy. Selected Contributions to the Interdisciplinary Workshop of the 37th International School of Geophysics EMFCSC*, Erice (4-9 October 2011), 207 – 304.
- Ollier, C.D. (2012b). Extension everywhere: rifts, continental margins and island arcs. In Scalera, G. Boschi, E. and Cwojdzinski (eds.) *In The Earth Expansion Evidence—a challenge for Geology, Geophysics and Astronomy. Selected Contributions to the Interdisciplinary Workshop of the 37th International School of Geophysics EMFCSC*, Erice (4-9 October 2011), 61 – 76.
- Ollier, C.D., Koziar, J. (2007). Dlaczego cykle geologiczne tektoniki p<sup>3</sup>yt nie sprawdzaj<sup>1</sup> się? *Przegląd Geologiczny*, tom 55, nr 5, s. 375–382. [Why the plate tectonics rock cycles do not work? *Geological Review*, vol. 55, no. 5, pp. 375–382.]
- Ollier, C.D. Pain, C.F. (2000). *The Origin of Mountains*, Routledge, London.
- Ollier, C.D. Pain C.F. (2019). Neotectonic mountain uplift and geomorphology. *Geomorfologiya*. 2019;(4):3-26. <https://doi.org/10.31857/S0435-4281201943-26>.
- Öpik, E. (1971). Cratering and the moon's surface. In *Advances in Astronomy and Astrophysics*. Elsevier, vol. 8, pp. 107–337.
- Oreskes, N. (1989). *The Rejection of Continental Drift: Theory and Method in American Earth Science*.
- Oreskes, N. (editor), Le Grand, H.E. (2002). *Plate tectonics: An insider's history of the modern theory of the Earth*. Westview Press.
- Orlando, T.M., Jones, B.M., Aleksandrov, A.B., Hibbits, C.A., Dyar, M.D. (2018). A Solar Wind Source of Water in the Polar Regions of the Moon? *Lunar Polar Volatiles 2018 (LPI Contrib. No. 2087)*.
- Orlenok, V. (2010). *Global volcanism and oceanization of the Earth and planets*. Kaliningrad: I.Kant State University of Russia Press, 167.

## The Hidden History of Earth Expansion

- Ortoleva, P. (1984). *Geochemical Self-Organization*. Oxford Monogr. Geol. Geophys., 23, 411 pp.
- Owen, H.G. (1976). Continental displacement and expansion of the Earth during the Mesozoic and Cenozoic. *Philosophical Transactions of the Royal Society of London*. A 281, 223-291.
- Owen, H.G. (1983). *Atlas of continental displacement 200 million years to the Present*. Cambridge Earth Sciences Series. Cambridge University Press. i-x, 1-159, 76 maps.
- Owen, H.G. (1984). The Earth Is Expanding and We Don't Know Why. In *New Scientist*, No. 22, Nov. 22, 1984. 27-
- Owen, H.G. (1996). Boreal and Tethyan late Aptian to late Albian ammonite zonation and Palaeobiogeography. *Mitteilungen aus dem Geologisch-Paläontologischen Institut der Universität Hamburg*. 77, 461-481.
- Owen, H.G. (2012). Earth expansion - Some Mistakes, What Happened in the Palaeozoic and the Way Ahead. In Scalera G. Boschi, E. and Cwojdzinski, S Editors. *The Earth Expansion Evidence – A challenge for Geology, Geophysics and Astronomy* Erice, Sicily, 4-9 October 2012, 77-89.
- Owen, L.A. (2004). Cenozoic evolution of global mountain systems. 132 – 152 In: Slaymaker, O. and Owens, P. (eds.): *Mountain Geomorphology*. Edward Arnold, London.
- Patriat, F., Achache, J. (1984). The Indian-Eurasian collision. A synthesis of oceanic magnetic anomalies and the comparison with continental paleomagnetic studies. *International Symposium Geology Himalayas*, 2, 14 (abstract).
- Peale, J.S. (1999). Origin and Evolution of the Natural Satelits. *Annu. Rev. Astron. Astrophys.* 37:533–602.
- Peishong, Bao and Wang Xibin. (1984). The two suites of volcanic in the Yarlung-Zhangbo River ophiolite belt - a discussion on the emplacement mechanism of ophiolites. *International Symposium Geology Himalaya 1*, 103-105 (Abstract).
- Pfeuffer, J. (1981). *Die Gebirgsbildungsprozesse als Folge der Expansion der Erde*. Glückauf, Essen, 125 pp.
- Pisarevsky, S. (2005). *Global Paleomagnetic Database (GPMDB V 4.6)*. Tectonics Special Research Centre of the University of Western Australia Web site (<http://www.tsrc.uwa.edu.au/>).
- Pitcher, W.S. Atherton, M.P. Cobbing, E.J. Beckinsale, R.D. (1985). *Magmatism at a Plate Edge*. Blackie, Halstead Press, Glasgow, 328p.
- Playfair, J. (1802). *Illustrations of the Huttonian Theory of the Earth*.



## References

- Poirier, J.P. (1976). Crystalline Plasticity and Solid State Flow in Metamorphic Rocks. J. Wiley & Sons, London, 444p.
- Popper, K.. (1963). Science as falsification. In *The Growth of Scientific Knowledge* (pp. 33–39). London: Routledge.
- Prasad, G. R. Verma, O. Flynn, J.J. and Goswami, A. (2013). A late Cretaceous vertebrate fauna from the Cauvery basin, South India: Implications for Gondwanian paleogeography. *Jour. Vertebrate Paleontology*, 33, 1260-1268.
- Pratt, D. (2000). Plate Tectonics: A paradigm under threat. *Jour. Scientific Exploration*. 14, 307-352.
- Priestley, J. (1767). *The History and Present State of Electricity*. London.
- Puchkov, V.N. (2009). The evolution of the Uralian orogen. (London: Geological Society, Special publication, V. 327, 2009), 161-195. DOI: 10.1144/SP327.9.
- Rage, J.C. (2003). Relationships of the Malagasy fauna during the Late Cretaceous: Northern of southern routes? *ActaPaleontologicaPolonica*, 48, 661-662.
- Rage, J.C. (2016). Gondwana, Tethys and terrestrial vertebrates during Mesozoic and Cenozoic. In: *Gondwana and Tethys*. M.G. Audrey-Charles and A. Hallam (Eds.). Geological Society of America Special publication 37, 255-273.
- Raiverman, V. (1992). Trans-Asiatic lineaments and Himalayan orogeny, In: A. K. Sinha (Ed). *Himalayan Orogen and global tectonics*: Oxford & IBH. Publication, New Delhi, 121-156.
- Raiverman, V. (2002). Foreland sedimentation in Himalayan tectonic regime: A relook at the Orogenic process: B.S. M. P.S. Publ, New Delhi, 1- 378.
- Rattcliffe, H. (2017). A review of Anomalous Redshif Data. In: *The Galileo of Polmar*. Essay in memory of Alton Arp edited by Christofer C. Fulton and Martin Cocus.
- Reading, H.G. (1980). Characteristics and recognition of strike-slip fault systems. In: *Sedimentation in Oblique-Slip Mobile Zones* (Eds. P.F. Balance, H.G. Reading), *Internat. Assoc. Sedimentol. Spec. Publ.* 4, 7-26.
- Reich, W. (1945/1982). *The Bioelectrical Investigation of Sexuality and Anxiety*. Farrar, Straus and Giroux, New York, xi + 161 pp.
- Reich, W. (1949/1951/1973). *Ether, God and Devil/Cosmic Superimposition*. Farrar, Straus and Giroux, New York, 308 pp.

## The Hidden History of Earth Expansion

- Reston, T. (2007). Extension discrepancy at North Atlantic nonvolcanic rifted margins: Depth-dependent stretching or unrecognized faulting? *Geology* 35, 367-370.
- Rickard, M.J. (1969) Relief of curvature on expansion - a possible mechanism of geosynclinal formation and orogenesis. *Tectonophysics* 8(2): 129 - 144.
- Reitan, P.H. (1968a). Frictional heat during metamorphism: quantitative evaluation of concentration of heat generation in time. *Lithos*, 1, 151-163.
- Reitan, P.H. (1968b). Frictional heat during metamorphism: quantitative evaluation of concentration of heat generation in space. *Lithos*, 1, 268-274.
- Reitan, P.H. (1988). Global dynamics and the temperatures of metamorphism. *Bull. Geol. Inst. Univ. Uppsala, N.S.* 14, 21-24.
- Rogers, (1985). Quote given in Carey (1988).
- Romanowicz, B., Gung, Y. (2002). Superplumes from the Core-Mantle Boundary to the Lithosphere: Implications for Heat Flux." *Science* 96.5567. (Stanford, CA: Highwire Press, 2002).513-516. DOI: 10.1126/science.1069404.
- Romans, B. (2008). Subduction Denialism, Part 1: The Backstory. <https://clasticdetritus.com/2008/11/14/subduction-denialism-part-1-the-backstory/>
- Roques, M. (1941). Les schistes cristallins de la partie sud-ouest du Massif Central Français. *Mém. Serv. Carte géol. France*, 512p.
- Rubin, V.C. (1988). Dark matter in the universe. *Proceedings of the American Philosophical Society*, vol. 132, no. 3, pp. 258-267.
- Runcorn, S.K. (Ed.). (1962). *Continental drift*. Elsevier.
- Runcorn, S.K. (Ed.). (1969). *The Application of the Modern Physics to The Earth and Planetary Interiors*. (N.A.T.O. Advanced Study Institute)
- Rust, J. and 15 Others. (2010). Biogeographic and evolutionary implications of a diverse paleobiota in amber from the early Eocene of India. *Proc. National Academy Science*, 107, 18360-18365.
- Sarwar, G. and Khalil, Y.S. (2017). The saga of India's drift and supra-subduction origin of the ophiolites on its northwestern margin, Pakistan. *New Concepts in Global Tectonics Journal*. 5, 27-47.
- Scalera, G. (2003). Samuel Warren Carey. Commemorative memoir. In Scalera, G. and Jacob, K-H., (Editors) 2003. *Why Expanding Earth? A book in honour of Ott Christoph Hilgenberg*. *Proceedings of the 3rd Lautenthaler Montanistisches Colloquium*, Mining Industry Museum,

## References

- Lautenthal (Germany) May 26, 2001 (INGV Publication, Rome), 85-95.
- Scalera G. (2003). The expanding Earth: a sound idea for the new millennium. In: G. Scalera and K.-H. Jacob (eds.): *Why Expanding Earth? – A book in Honour of Ott Christoph Hilgenberg*. Proceedings of the 3rd Lautenthaler Montanistisches Colloquium, Mining Industry Museum, Lautenthal (Germany) May 26, 2001 (INGV Publication, Rome), 181-232.
- Scalera, G. (2003). Bibliographical sources for the expanding Earth. In: G. Scalera and K.-H. Jacob (eds.): *Why Expanding Earth? – A book in Honour of Ott Christoph Hilgenberg*. Proceedings of the 3rd Lautenthaler Montanistisches Colloquium, Mining Industry Museum, Lautenthal (Germany) May 26, 2001 (INGV Publication, Rome).
- Scalera, G. (2006). The Mediterranean as a slowly nascent ocean. *Annals of Geophysics, Supplement to V. 49, No. 1*, 451-482.
- Scalera, G. (2008). Great and old earthquakes against great and old paradigms – paradoxes, historical roots, alternative answers. *Advances in Geosciences*, 14, 41-57.
- Scalera, G. (2009). Mantovani and his ideas on the expanding Earth, as revealed by his correspondence and manuscripts. *Annals of Geophysics*, 52(6), 615-648.
- Scalera, G. (2011). South American volcanoes and great earthquakes. Article Cwojdzinski. Rome, (2012), 492.
- Scalera, G. (2011). The Earth Expansion Evidence, A challenge for geology, geophysics and astronomy. Contribution to the Interdisciplinary Workshop, held in Erice, Sicily, Italy (4-9 October 2011). Post-conference publication edited by Giancarlo Scalera (editor in chief), Enzo Boschi, and Stefan Cwojdzinski. Rome (2012), 492.
- Scalera, G. (2013). The vague volcano-seismic clock of the South American Pacific margin. *Advances in Geosciences*, 35, 89-103.
- Scalera G., Braun, T. (2003). Ott. Christoph Hilgenberg in twentieth century Geophysics. In Scalera, G and Jacob, K.-H., (Editors) 2003. *Why Expanding Earth? A book in honour of Ott Christoph Hilgenberg*. INGV publisher Roma. 25-41.
- Scalera, G., Jacob, K.-H., (Editors) (2003). *Why Expanding Earth? A book in honour of Ott Christoph Hilgenberg*. INGV publisher Rome. 465 pp with extensive bibliography.
- Scalera, G. (editor in chief): Hilgenberg, O. C. (2003/1933/1939) Formation and development of the: contraction or expansion. In Giancarlo Scalera, and Karl-Heinz Jacob (eds): *Why Expanding Earth?*

## The Hidden History of Earth Expansion

- Proceedings of the Lautenthal Colloquium, held on May 26, 2001  
Honour off OttChistoph Hilgenberg. INGV, Rome 2003.
- Scalera, G., Boschi, E. and Cwojdzinski (Editors) (2012). The Earth Expansion Evidence – A challenge for Geology, Geophysics and Astronomy. Selected Contributions to the Interdisciplinary Workshop of the 37th International School of Geophysics EMFCSC, Erice (4-9 October 2011), Aracne Editrice, Rome, 494pp.
- Schaer, J.P. and Rogers, J. (1987). The Anatomy of Mountain Ranges. Princeton University Press, Princeton, N.J. pp.298.
- Sharaf, M. (1983). Fury on Earth, A Biography of Wilhelm Reich. St. Martin's Press, New York, xiii + 550 pp.
- Schirber, M. (2005). Core of a Supernova Goes Missing. At: <http://www.space.com/1168-core-supernova-missing.html>.
- Scholz, C.H. (1980). Shear heating and the state of stress on faults. J.Geophys. Res. 85 (No. B11), 6174-6184
- Scholz, C.H. Beavan, J. Hanks, T.C. (1979). Frictional metamorphism, argon depletion, and tectonic stress on the Alpine Fault, New Zealand. J. Geophys. Res. 84 (No. B12), 6770-6782
- Schwinner, R.G. (1924). Scherung, der Zentralbegriff der Tektonik. Cbl. Miner. Geol. Paläont. 469-479
- Sciama, W. D. (2012/1959) The unity of the Universe. Courier Corporation ISBN 0486135896 p. 256.
- Scoppola, B. Boccaletti, D. Bevis, M. Carminati, E. Doglioni, C. (2006). The westward drift of the lithosphere: A rotational drag? Geol. Soc. Am. Bull. 118/1-2, 199-209. Doi: 10.1130/B25734.1.
- Scotese, C.R. (1994). Paleogeographic maps. In: Klein, G. D. ed. Pangea: paleoclimate, tectonics, and sedimentation during accretion, zenith, and breakup of a supercontinent. Geological Society of America Special Paper, 288.
- Scotese, C.R. (2014). Atlas of Permo-Carboniferous Paleogeographic Maps (Mollweide Projection), Maps 53-64, Vol. 4, The Late Paleozoic, PALEOMAP Atlas for ArcGIS, PALEOMAP Project, Evanston, IL.
- Seclaman, M. (1982). Semnificatia genetica a liniatiilor minerale in sisturile cristaline din Carpatii Meridionali. St. Cerc. Geol. Geofiz. Geogr.Ser. Geol. 27,8-17.
- Seebeck, T.J. (1826). Über die magnetische Polarisation der Metalle und Erze durch Temperaturdifferenz. Ann. Phys., 82/3, 253-286.
- Shannon, M. C. & Agee, C. B. (1998). Percolation of core melts at lower mantle conditions. Science 280, 1059 – 1061.

## References

- Shehu, V. (1971). The age and origin of the porphyry granite of Fierza. (In Albanian).Bul.Of Sc. Tirana Univ.No 1 p 127 - 141.
- Shehu, V. (1988). Developing Earth. (In Albanian). Tirana, Albania. Sht. Bot. 8 Nëntori, 180.
- Shehu, V. (2004). The Earth, a sample of universe in our hands, according to the Earth expansion through growing and developing processes. New Concepts in Global Tectonics. Urbino Italy: Workshop, Aug. 29- 31.
- Shehu, V. (2005). The Growing and Developing Earth. No. Charleston, S.C.: BookSuege, LLC (2005), ISBN 1-4196-1963-3, USA, 218.
- Shehu, V. (2009). The Growing and Developing Earth. (In Albanian).Tiranë, Albania: Sht. Bot. Dudaj. 361.
- Shehu, V. (2012/2011). Earth Expansion through Activity of the Earth Core-Kernel as an active cosmic Object. In: The Earth Expansion Evidence, A challenge for geology, geophysics and astronomy. Selected Contributions to the Interdisciplinary Workshop, (held in Erice, Sicily, Italy 4-9 October. 2011). 243-262. Post-conference publication edited by GiacarloScalera (editor in chief), EnzoBoschi, and Stefan Cwojdzinski. 263-273. Rome.
- Shehu, V. (2016). The Earth's Core, an Energetic Cosmic Object. Printed by Create Space, An Amazon.com Company. USA 2016. 80p. <https://www.amazon.ca/Earths-Core-Energetic-Cosmic-Object/dp/1512290874>.
- Shen, W.B, et al. (2008). The expanding Earth: evidences from temporary gravity fields and space geodesic GEPH. Research Abstracts V. 10 EGU2008-A-0473.
- Shields, O. (1979). Evidence for initial opening of the Pacific Ocean in the Jurassic. Paleogeography, Paleoclimatology, Paleocology 26, 181-220.
- Shields, O. (1997). Is plate tectonics withstanding the test of time? Annali di Geofisica, Vol XL, 1-8.
- Smiley, C.J. (1992). Plaeofloras, faunas, and continental drift: Some problem areas. In: S. Chatterjee and N. Hotton (Eds). New Concepts in Global Tectonics. Texas Tech. University Press, 241-257.
- Smith, A.G. (2006). Tethyan Ophiolite emplacement, Africa to Europe motion, and Atlantic spreading. In: The Tectonic Development of the Eastern Mediterranean Region. A.H.F. Robertson and D. Mountrakis, (Eds.). (London Geographical Society, Special Publication 260, 1-9.
- Smith, A.G. and Hallam, A. (1970). The fit of the southern continents: Nature, 225, 139-144.

## The Hidden History of Earth Expansion

- Smith, A.G. Briden, J.C. and Drewry, G.E. (1973). Phanerozoic World Maps. In Hughes, N.F. *Organisms and Continents through time. Special Papers in Palaeontology*. 12, 1-43.
- Smith, A.G. Hurley, A.M and Briden, J.C. (1980). *Phanerozoic Palaeocontinental World Maps*. Cambridge University Press Earth Science Series. 107 pp.
- Smith A. G. Smith D. G. & Funnell B. M. (1994). *Atlas of Mesozoic and Cenozoic coastlines*. Cambridge University Press.
- Soja, C.M. Antoshkina, A.I. (1997). Coeval development of Silurian stromatolite reefs in Alaska and the Ural Mountains: Implications for paleogeography of the Alexander terrane. *Geology*, 25/6, 539-542.
- Spencer, E.W. (1977). *Introduction to the Structure of the Earth*. McGraw-Hill, Paperback, 640p.
- Steiner, J., (1967). The sequence of geological events and the dynamics of the Milky Way galaxy. *Jour. Geol. Soc. Australia*, 14, 99-132.
- Steiner, L. (2014). Von der alpinen Schub- zur Gleitdecke. (From Alpine thrust nappe to downsiding thrust sheet). *Z. geol. Wiss.*, 41-42, 185-196.
- Steinhorsson S., Thoraninsson S. (1997). Iceland. In: Moores E.M. and Fairbridge R.W. (eds.) *Encyclopedia of European and Asian Geology*. Chapman & Hall, London, 341-352.
- Stern and Gerya (2018) Subduction initiation in nature and models: A review, *Tectonophysics* 746, 173-198.
- Stevens, G. (1988). John Bradley: a New Zealand pioneer in continental drift studies. *Geol. Soc. New Zealand Newsletter*, No 17: 30–38. Quoted in Frankel (2012) Volume II.
- Strick, J.E. (2015). *Wilhelm Reich, Biologist*. Harvard University Press, Cambridge, MA, 487 pp.
- Stille, H. (1936). The present tectonic state of the Earth. *Bull. Am. Assoc. Petrol. Geol.* 20, 849-80.
- Storetvedt, K.M. (1997). Our evolving planet: Earth history in a new perspective. *Alma Mater*, Bergen, pp. 456.
- Storetvedt, K.M. (2010). Falling plate tectonics–rising new paradigm: salient historical facts and current tuation. *NCGT Newletter*, 55, 4-34.
- Strong, D.F. Hanmer, S.K. (1981). The leucogranites of southern Brittany: origin by faulting, frictional heating, fluid flux and fractional melting. *Can. Mineralogist*, 19, 163-176.
- Strutinski, C. (1987). Strike-slip faults – what are they really standing for? General features with exemplifications from the Romanian



## References

- Carpathians. *Studia Univ. Babes-Bolyai, Geologia-Geographia*, XXXII/2, 47-59.
- Strutinski, C. (1990). The importance of transcurrence phenomena in mountain building. In: *Critical Aspects of the Plate Tectonics Theory, Volume II* (Eds. V. Belousov et al.), Theophrastus Publ. S.A. Athens, 141-166.
- Strutinski, C. (1994). An orogenic model consistent with Earth expansion. In: *Frontiers of Fundamental Physics* (Eds. M. Barone, F. Selleri), Plenum Press, New York, 287-294.
- Strutinski, C. (1997). Causal Relations between Crustal Transcurrent Systems and Regional Metamorphism, with Reference to the Upper Proterozoic - ?Cambrian Formations of Central Dobrogea. Doctoral Thesis (Unpublished, in Romanian), Universitatea Bucuresti, 288p
- Strutinski, C. (2012). Contradictory aspects in the evolution of life hinting at gravitational acceleration through time. In: *The Earth Expansion Evidence. A Challenge for Geology, Geophysics and Astronomy*. (Eds.: G. Scalera, E. Boschi, S. Cwojdzinski). Selected contributions to the Interdisciplinary Workshop of the 37th International School of Geophysics EMFCSC, Erice (4-9 October 2011), Aracne Editrice, Rome, 343-364.
- Strutinski, C. (2013). Wachsende Schwerkraft – Triebfeder der Evolution? <http://www.wachsende-erde.de/web-content/bilder/strut/Strutinski-Wachsende%20Schwerkraft.pdf>
- Strutinski, C. (2015). Zwei Jahrhunderte Geologie. Von Abraham Gottlieb Werner zu Samuel Warren Carey. [http://www.wachsende-erde.de/web-content/2\\_material6strutinski1.html](http://www.wachsende-erde.de/web-content/2_material6strutinski1.html)
- Strutinski, C. (2016). Massenextinktionen aus Sicht der Hypothese eines wachsenden Erdballs. <http://www.wachsende-erde.de/web-content/bilder/strut/massenextinktionen5.pdf>
- Strutinski, C. (2017). An alternative view on subduction zones. Powerpoint presentation at the 2nd International Physics Conference, Brussels, 28-30 August 2017. *J. Phys. Chem. Biophys.* 7/3 (Abstract), 64. Doi: 10.4172/2161-0398-C1-023.
- Strutinski, C. (2018a). Fragmentation of the northeastern paleo-Indian oceanic domain by a creeping lithospheric current : Evidence from the Ontong Java Plateau. *J. Phys. Chem. Biophys.* 8 (Abstract), 74. Doi: 10.4172/2161-0398-C2-031.
- Strutinski, C. (2018b). Plattentektonik passé. Wie Mantelströme und Erdwachstum den indopazifischen Raum gestalten. Eigenverlag, Saarbrücken, 127p.

## The Hidden History of Earth Expansion

- Strutinski, C. (2019). Orogene auf einer wachsenden Erde („Vergiss dein Schulwissen – die Erde ist anders“). Powerpoint to the Presentation held in the Heiner Studt Studio, Hamburg, 18.10.2019.
- Strutinski, C. Paica, M. Bucur, I. (1983). The Supragetic Nappe in the Poiana Rusca Massif – an argumentation. *An. Inst. Geol. Geofiz*, LX, 221-229.
- Strutinski, C. Puste, A. (2001). Along-strike shearing instead of orthogonal compression: A different viewpoint on orogeny and regional metamorphism. *Himalayan Geol.* 22/1, 191-198.
- Strutinski, C. Stan, R. Puste, A. (2003). Geotectonic hypotheses at the beginning of the 21st century. In: *Why Expanding Earth? A Book in Honour of Ott Christoph Hilgenberg* (Eds. G. Scalera, K.H. Jacob), INGV, Rome, 259-273.
- Stuart, F.M. Lass-Evans, S. Fitton, J.G. and Ellam, R.M. (2003). High  $^3\text{He}/^4\text{He}$  ratios in picritic basalts from Baffin Island and the role of a mixed reservoir in mantle plumes. *Nature*, 424, 57-59.
- Sudiro, P. (2014). The Earth Expansion Theory and its transition from scientific hypothesis to pseudoscientific belief. *History of Geo-and Space Sciences*, No 135-148. Web: <https://www.hist-geo-space-sci.net/5/135/2014/hgss-5-135-2014.pdf>.
- Suess, E. (1889). *Dass Antilitz der Erde*, 2, Pt. 3, Die mere der Erdee, Vienna. 704p.
- Sullivan, W. (1974). *Continents in motion; the new Earth debate*. New York, NY: McGraw-Hill.
- Sylvester, A.G. (1988). Strike-slip faults. *Geol. Soc. Am. Bull.* 100, 1666-1703
- Szpak, S. Mosier-Boss, P. Gordon, F. Dea, J. Miles, M. Khim, J. Forsley, L. (2008). LENR research using co-deposition. In *Proc. the 14th Int. Conf. on Condensed Matter Nuclear Science*, Washington, DC (pp. 766–771).
- Tarling, D.H. Runcorn, S.K. (1973). *Implications of Continental Drift to the Earth Sciences*. (NATO Advanced Study Institutes) Symposium, University of Newcastle, England April 1974. Academic Press. Volume 2, 1184 pp.
- Tchalenko, J.S. (1970). Similarities between shear zones of different magnitudes. *Geol. Soc. Am. Bull.* 81, 1626-1640.
- Tchudinov, J.W. (1998) *Global Eduction Tectonics of the Expanding Earth*. VSP. Utrecht, the Netherlands.
- Tebbe, J. (1980). Print and American culture. *American Quarterly*, 32(3), 259–279.

## References

- Tharp, M., Frankel, H. (1986). Mappers of the deep. Natural history. New York NY, 95(010), 48-48.
- Thompson, D.W. (1917/1966). On Growth and Form. Cambridge University Press, xiv + 346 pp.
- Thomson, W. (1854). Thermo-electric currents. Trans. Roy. Soc. Edinburgh, 21, 123-171.
- Turcotte, D.L., Oxburgh, E.R. (1973). Mid-plate Tectonics, Nature 244, 337-339.
- Tuttle, R.J. (2012). The Fourth Source: Effects of Natural Nuclear Reactors. Universal Publishers, 580p.
- Van Andel, T.H. 1984. Plate Tectonics at the threshold of middle age. Geologie en Mijnbouw, 63, 337-341.
- Vanderhaeghe, O., Teyssier, C. (1997). Formation of the Shuswap metamorphic core complex during late orogenic collapse of the Canadian Cordillera: Role of ductile thinning and partial melting of the mid- to lower crust. Geodinam. Acta, 10/2, 41-58. Doi: 10.1080/09853111.1997.11105292
- Vanderhaeghe, O., Burg, J.P., Teyssier, C. (1999). Exhumation of migmatites in two collapsed orogens: Canadian Cordillera and French Variscides. In: Exhumation Processes: Normal Faulting, Ductile Flow and Erosion (Eds. U.Ring, M.T. Brandon, G.S. Lister, S.D. Willett), Geol. Soc. London, Spec. Publ. 154, 181-204.
- Van der Voo, French, A.R. (1974). Apparent polar wandering for the Atlantic-bordering continents: Late Cambrian to Eocene. Earth Science Review. 10, 99-119.
- Van Hinsbergen, D.J. Steinberger, B. Doubrovine, P. V. and Gassoller, R. (2011). Acceleration and deceleration of India-Asia convergence since Cretaceous: Roles of mantle plumes and continental collision. Jour. Geophysics Research, 116, doi: 10.1029/2010JB 008081.
- Van Steenis, C.G.G.J. (1963). Pacific Plant Areas, Vol. 1, Monograph 8, Manila: National Institute of Science and Technology.
- Vaucher, A. Nicolas, A. (1991). Mountain building: strike-parallel motion and mantle anisotropy. Tectonophys. 185, 183-201
- Veevers, J.J., Powell, C. McA. and Johnson, B.D. (1980). Sea-floor constraints on the reconstruction of Gondwanaland. Earth and Planetary Science Letters. 51, 435-444.
- Verhoogen, J. (1980). Energetics of the Earth. National Academy of Sciences, Washington, D.C. 139p.
- Verma, O. and 4 Others. (2016). Historical biogeography of the Late Cretaceous vertebrates of India: Comparison of Geophysical and

## The Hidden History of Earth Expansion

- Paleontological data. In: A. Khosla and S. G. Lucas (Eds). Cretaceous Period Biotic Diversity and Biogeography. Bull. New Mexico Museum Natural History and Sciences, 71, 317- 330.
- Vine, F.J., Matthews, D.H. (1963). Magnetic Anomalies over Oceanic Ridges. Nature London 199, 947-949.
- Vogel, K. (1983). Global Models and Earth expansion. In Carey, S.W. The Expanding Earth – A Symposium. Sidney, 1981. University of Tasmania 17-27.
- Vogel, K. (1984). Beiträge zur Frage der Expansion der Erde auf der Grundlage von Globenmodellen. Z. geol. Wiss. 12, 563-573.
- Vogel, K. (1990). The expansion of the Earth - an alternative model to the plate tectonics theory. In: Critical Aspects of the Plate Tectonics Theory; Volume II, Alternative Theories. Theophrastus Publishers, Athens, Greece, 14-34.
- Vogel, K. (2003). Global models of the expanding Earth. In Scalera, G and Jacob, K-H. (Editors) 2003. Why Expanding Earth? A book in honour of Ott Christoph Hilgenberg. INGV publisher Roma, 351-356.
- Vogel, K. (2012). Contribution to the Question of Earth Expansion Based on Global Models. In: The Earth Expansion Evidence, A challenge for geology, geophysics and astronomy. "Selected Contributions to the Interdisciplinary Workshop," (held in Erice, Sicily, Italy 4-9 October. 2011). Post-conference publication edited by Giacarlo Scalera (editor in chief), Enzo Boschi, and Stefan Cwojdzinski. 161-172. Rome.
- Wallin, E.T. Noto, R.C. Gehrels, G.E. (2000). Provenance of the Antelope Mountain quartzite, Yreka Terrane, California: Evidence for large-scale late Paleozoic sinistral displacement along the North American Cordilleran margin and implications for the mid-Paleozoic fringing-arc model. Geol. Soc. Am. Bull. Spec. Paper 347, 119-131. Doi: 10.1130/0-8137-2347-7.119.
- Walther, H.J., von Gehlen, K., Haditsch, G., Maus, H.J. (1999). Lagerstättenkundliches Wörterbuch. GDMB, Clausthal, 688 pp.
- Wang C. Jin A. (2006). Mechanism of the Mafic Dyke Swarms Emplacement in the Eastern Block of the North China Craton. In: Hou G. and Li J. (eds.) Precambrian Geology of the North China Craton. Journal of the Virtual Explorer, Electronic Edition, ISSN 1441-8142, vol. 24, paper 3, doi:10.3809/jvirtex.2006.00161.
- Wegener, A. (1912). Die Entstehung der Kontinente und Ozeane. Geologische Rundschau 3, 276-292.

## References

- Wegener, A. (1912). *The Origins of continents and oceans*. (Dover Earth Science: 1915). Originally presented at A Yearly Meeting of the German Geological Society (6 January, 1912).
- Wegener, A. (1915). *Die Entstehung der Kontinente und Ozeane* (The Origin of Continents and Oceans). Sammlung Vieweg Nr. 23, Braunschweig, 94p.
- Wegener, A. (1924). *The Origin of Continents and Oceans*. (trans. 3rd ed.). Methuen, London; Dutton & Co. New York, pp.212.
- Wegener, A. (1966). *The origin of continents and oceans* (trans. 4rd ed.). Dover Publications, New York.
- Welsh, W.E. Doyle, L.R. (2013). World with two stars. *Scientific American* 309 (5): 4. (Nov. 2013). 40-47. DOI: 10.1038/scientificAmerican.1113-40.
- Wenbin S, and Sung-Ho, N. (2017). Atmospheric acceleration and Earth expansion deceleration of the Earth rotation. *Geodesy and Geodynamics*. 8, 421-426.
- Wertenbaker, W. (1974). *The Floor Of The Sea: Maurice Ewing and the Search to Understand the Earth*. ISBN: 978-0316931212.
- Wilhelm Reich Infant Trust.  
<https://www.wilhelmreichtrust.org/biography.html>.
- Winchester, S. (2001). *The map that changed the world*. Viking, pp.338.
- Wingate, M.T.D., Pisarevsky, S.A., Evans, D.A.D. (2002). Rodinia connections between Australia and Laurentia: no SWEAT, no AUSWUS?, *Terra Nova* 14, No. 2, 121-128.
- Wood, J.A. (1968). *Meteorites and the origin of planets*. New York: The McGraw Hill Companies, 117.
- Wood, R.M. (1979). Is the Earth getting bigger! Some geologists believe that our world is expanding. *New Scientist* 8 February 1979. p 387-388.
- Wood, R.M. (1985). *Dark Side of the Earth*. Harper Collins Publishers.
- Wright, L.A. Troxel, B.W. (1969). Chaos structure and Basin and Range normal faults: Evidence for a genetic relationship. *Geol. Soc. Am. Abstracts with Programs*, 1/7, 242.
- Wright, L.A. Troxel, B.W. (1973). Shallow fault interpretation of Basin and Range structure, southwestern Great Basin. In: *Gravity and Tectonics* (Eds. K.A. de Jong, R. Scholten), Wiley, New York, 397-407.
- Xiao W., Songlian A O., Yang L, Chunming H Bo W, Zhang J E, Zhang, Z Y, Rui L, Zhan Yu C and Soong S H (2017) Anatomy of composition and nature of plate convergence: Insights for alternative thoughts for terminal India-Eurasia collision. *China Earth Sciences*, 60, 1015-1039.

## The Hidden History of Earth Expansion

- Yano, T. Vasiliev, B.I. Choi, D.R. et al. (2011). Continental rocks in Indian Ocean. NCGT Newsletter 58, (Australia NGCT.org, 2011). 09-28.
- Yuecheng, C. et al. (1998). A new interpretation of the Himalayan orogenic belt. Chinese Science Bulletin, 43.1, 83-84. DOI: 10.1007/BF02885523.
- Young, C. J. Lay, T. (1987). The core-mantle boundary. Earth Planet Science Annual Review, 15, (1987).25-46.
- Young, T.E. (2010). Cloudy with a chance of stars. Scientific American V. 302. 34-41.DOI:10.1038/scientific American 0210-34.
- Zagorevski, A. et al. (2008). Tectonic architecture of an arc-arc collision zone, Newfoundland Appalachians. Annals of Geophysics, Supplement to V.49, No. 1. Special Paper #436 in Draut A. Clift, P.D. and D.W. Scholl (Eds.). Formation and application of the sedimentary record in arc collision zones. (Boulder, CO: Geographical Society of America, Inc. Special Paper #346,). 309-334.
- Zheng, H. Powell, C.M. Zhou, Z.A.J. Dong, G. (2000). Pliocene uplift of the northern Tibet Plateau. Geology, 28, 715-718.
- Zolensky, M.E. et al. (2006). Mineralogy and petrology of Comet 81 P/Wild 2 Nucleus Samples. In Science, V. 314, No. 5806. (Stanford, CA: Highwire Press, 2006).1735-1739.