

- *An international journal for New Concepts in Global Tectonics* -

NCGT JOURNAL

Volume 3, Number 3, September 2015. ISSN 2202-0039. Editor: Dong R. CHOI (editor@ncgt.org). www.ncgt.org

Editorial board

Ismail BHAT, India (bhatmi@hotmail.com); Giovanni P. GREGORI, Italy (giovanni.gregori@idasc.cnr.it);
Louis HISSINK, Australia (lhissink1947@icloud.com); Leo MASLOV, USA (lev.maslov@cccs.edu);
Nina PAVLENKOVA, Russia (ninapav@mail.ru); David PRATT, Netherlands (dp@davidpratt.info);
Karsten STORETVEDT, Norway (Karsten@gfi.uib.no); Boris I. VASILIEV, Russia (tesla@poi.dvo.ru);
Takao YANO, Japan (yano@rs.tottori-u.ac.jp)

CONTENTS

From the Editor Howard DeKalb and the double matrix fracture pattern.....	256
Letters to the Editor	257
Articles	
Energy balance in the tectonosphere. <i>Vadim GORDIENKO</i>	263
Advective heat and mass transfer in the Earth's tectonosphere. <i>Vadim GORDIENKO</i>	282
Relationship between M8+ earthquake occurrences and the solar polar magnetic fields. <i>Ben DAVIDSON, Kongpop U-YEN and Christopher HOLLOMAN</i>	310
Dow Jones industrial average peaks, seasonality and lunar phase. <i>David McMINN</i>	323
Mountain ranges – A new comer in Earth history. <i>Karsten M. STORETVEDT</i>	334
On discovery of a new planetological phenomenon: tectonic coupling of planets and their satellites. <i>Gennady G. KOCHMASOV</i>	357
North-South American Super Anticline. <i>Dong R. CHOI and Yoshihiro KUBOTA</i>	367
Protecting stilt buildings from damage due to Rayleigh waves during large magnitude earthquakes located at distance from epicenter – case from India. <i>Arun BAPAT</i>	378
Special papers: The 16 September 2015 M8.3 Chile Earthquake	
Analysis of psychometric parameters associated with seismic precursors in Central Chile. <i>Ariel R. CÉSPED</i>	383
Blot's energy transmigration law and the September 2015 M8.3 Coquimbo Earthquake, Chile. <i>Dong R. CHOI and John CASEY</i>	387
A surge and short-term peak in northern solar polar field magnetism prior to the M8.3 earthquake near Chile on September 16, 2015. <i>Ben DAVIDSON</i>	391
Solar wind ionic and geomagnetic variations preceding the M8.3 Chile Earthquake. <i>Valentino STRASER, Gabriele CATALDI and Daniele CATALDI</i>	394
Outgoing longwave radiation anomaly prior to big earthquakes: A study on the September 2015 Chile Earthquake. <i>N. VENKATANATHAN, Philip PHILIPOFF and S. MADHUMITHA</i>	400
Space weather conditions prior to the M8.3 Chile Earthquake, <i>Kongpop U-YEN</i>	405
Anomalies in jet streams that appeared prior to the 16 September 2015 M8.3 Chile Earthquake. <i>Hong-Chun WU</i>	407
Publications	
Planetary influence on the Sun and the Earth, and a modern Book-Burning. <i>Nils-Axel MÖRNER</i> (ed.).....	409
Obituary	
Howard F. DeKalb. <i>Dana DeKALB</i>	411
Financial support and About the NCGT Journal	412