

# A Complete Bibliography of Publications in *History of Geo- and Space Sciences*

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254  
FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <http://www.math.utah.edu/~beebe/>

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Title word cross-reference	
27 [HDPG <sup>+</sup> 13].	4 [Hae16].
-day [HDPG <sup>+</sup> 13].	80th [Har11].
1 [Hul11]. <b>100th</b> [FS12]. <b>1767</b> [Apl19b]. <b>1770</b> [CAOV18, Sch10]. <b>18</b> [Sch10]. <b>18th</b> [SS11]. <b>1910</b> [Apl19a]. <b>1960s</b> [Dam18]. <b>1980</b> [Car14]. <b>19th</b> [NH12].	account [Vaq17]. <b>Actions</b> [ZC18]. <b>Adriatic</b> [Rai20]. <b>advanced</b> [SL14]. <b>aeromagnetic</b> [RSD <sup>+</sup> 13]. <b>aeronomy</b> [SG11]. <b>Africa</b> [Kot18, Mar16, Med13]. <b>After</b> [ML16]. <b>again</b> [ML16]. <b>airship</b> [RSD <sup>+</sup> 13]. <b>Alec</b> [LGGAGL <sup>+</sup> 19b]. <b>Alexander</b> [MKSG10]. <b>Alibag</b> [GDN15]. <b>Almstedt</b> [Gla20]. <b>America</b> [Aal15]. <b>Amundsen</b> [Dee11]. <b>ancient</b> [Mar12, Shc18]. <b>Andean</b> [Riv11, Car10]. <b>Andøya</b> [Thr18]. <b>anniversary</b> [FS12]. <b>Anthropic</b> [Cat11]. <b>Applications</b> [BMvRS12, Wil15]. <b>approach</b> [San17]. <b>Arc</b> [Puz19]. <b>Arctic</b> [RSD <sup>+</sup> 13]. <b>Arecibo</b>
<b>2</b> [Jør11, Oks11, Sta11b]. <b>2011</b> [Jør11, Sta11b]. <b>20th</b> [LGGAGL <sup>+</sup> 19b]. <b>21st</b> [JIZB <sup>+</sup> 19].	
<b>3</b> [Hol12].	

[Mat13]. **Arge** [She17]. **Arrhenius** [Kra13]. **Arthur** [GALGGL18]. **article** [BJB11]. **artist** [BN15]. **ASFC** [WKC18]. **aspects** [DPR12]. **assessment** [MKSG10]. **Association** [AFH<sup>+</sup>19, DÁ19, Cas19]. **atmosphere** [CW14]. **Atmospheric** [Apl18, AH13, BSB<sup>+</sup>20, FS17, MV19]. **attempt** [Ert11]. **attraction** [Sma18]. **Augustus** [BN15, Nat16]. **aurora** [Sch10, Sta11c, CAOV18, Sil12]. **Auroral** [EB12, Bur16, EB19, Nag13, FVZF14, Jør11, Kra13, MS12, SS11, SL14, Sta11a, Sta11b]. **auroras** [FGFL12]. **Australian** [WKC18].

**B** [BJB11]. **Ball** [Vaq17, DC18]. **based** [MKSG10]. **Bauer** [Har11]. **Became** [Mil09, Sch13]. **beginning** [IZJ19]. **beginnings** [Cas19]. **behind** [Cha18, Ekm16]. **belief** [Edw16, Sud14]. **Bernhard** [HDPG<sup>+</sup>13]. **between** [Ert11, ZC18, Har11]. **biography** [Bur12]. **Birkeland** [EB10]. **birth** [JK16]. **birthday** [Har11]. **body** [DÁ19]. **Book** [Apl19a, Apl19b, Bre16, Car14, Cha18, Nag13, Nat16, Ric12, Riv11, Sch13, Sil12, Tay10, Wil15]. **brief** [Cat11, HWD<sup>+</sup>18, MH13, RR19]. **Burt** [Apl19b, Apl19b].

**calendar** [Gaj19]. **Carl** [EB12, GT14, Nag13]. **cartographer** [BN15]. **Casagrande** [GALGGL18]. **case** [Gaj19, San17]. **Celsius** [Cha18, Ekm16]. **centenary** [IR17]. **Center** [Dam18, HWD<sup>+</sup>18]. **centers** [Wil18]. **Centre** [WKC18]. **Century** [Ric12, Bar15, GALGGL18, JIZB<sup>+</sup>19, LGGAGL19a, LGGAGL<sup>+</sup>19b, MV19, NH12, RTR11, SS11]. **Chalmers** [Apl18]. **Change** [Car10, DÁ19, Riv11]. **changes** [Ekm16, Cha18]. **chapter** [Kra15]. **charts** [MKSG10]. **Chatanika** [MH13]. **Chérifien** [Med13]. **China** [HWD<sup>+</sup>18]. **Christian** [SS11, NH12]. **Climate** [Apl19b, Car10, Riv11, Bar15]. **clouds** [DPR12]. **co** [Gla20]. **co-founder** [Gla20]. **coast** [Mar16]. **coastlines** [Shc18]. **Colaba** [GDN15]. **Colonial** [Car14, Ert10]. **Comment** [Jør11, Edw16, Sta11b]. **common** [JIZ19b]. **community** [ZC18]. **completely** [Ert11]. **configuration** [Shc20]. **contents** [Pis14]. **continuous** [SBLW14]. **Contribution** [GALGGL18, LGGAGL19a, LGGAGL<sup>+</sup>19b, Med13, Hae16, Val17]. **contributions** [Apl18, Dee11, Nis10]. **Cook** [WR18]. **cooperation** [MV19]. **coordinates** [Mar11, Mar12]. **cosmic** [FS12]. **cosmical** [Kra13]. **Cosmogenic** [BMvRS12, Wil15]. **COST** [ZC18]. **creation** [Med13]. **Cryospheric** [AFH<sup>+</sup>19, BJB11]. **curious** [Gaj19]. **current** [Bur12]. **Currents** [Mil09, Sch13]. **cycles** [HDPG<sup>+</sup>13]. **cycling** [HCB<sup>+</sup>10].

**Danish** [Jør11, Sta11b, NH12, Sta11a, Sta11c]. **Danmarks** [Sta11c]. **Darmstadt** [Dam18]. **day** [HDPG<sup>+</sup>13]. **death** [IR17]. **declination** [ML16]. **declining** [Kra15]. **Degree** [Cha18]. **Degrees** [Ekm16]. **density** [Sma18]. **designer** [BN15]. **developer** [NH12]. **development** [BJB11, EZ13, FS12, IZJ19, Med13, Puz19, Sch10, Val17, WKC18]. **different** [JIZ19b]. **Dioscuri** [FS17]. **directorship** [Bur16]. **discharges** [Ert11]. **discovery** [FS12, Her10]. **discrete** [FVZF14]. **distribution** [FVZF14]. **disturbances** [EB10]. **Dobrowolski** [BJB11]. **Dr.** [Har11, SG11]. **draughtsman** [BN15]. **Düll** [HDPG<sup>+</sup>13]. **Durham** [Apl18]. **during** [GALGGL18, LGGAGL19a, LGGAGL<sup>+</sup>19b, WR18]. **dynamics** [FVZF14].

**earliest** [DPR12]. **Early** [Nis10, DC18, GALGGL18, Hae16, Hol12, Hul11, IZJ19, LGGAGL19a, LGGAGL<sup>+</sup>19b, Nev14, Oks11, Ric12, SS11, SL14, WFB<sup>+</sup>19]. **Earth** [Cha18, Edw16, Edw16, Dee11,

Ekm16, Kra15, MKSG10, Sma18, Sud14]. **earthquake** [SBLW14]. **East** [Car14, Ert10]. **Ebstorf** [Pis14]. **Editorial** [AAE<sup>+</sup>10]. **education** [JSBWL16]. **Edwin** [Aal12]. **Egeson** [HCB<sup>+</sup>10]. **Eighteenth** [RTR11, Ric12]. **Eighteenth-Century** [Ric12, RTR11]. **EISCAT** [BGK<sup>+</sup>13, Hae16, Hol12, Hul11, Oks11]. **electricity** [AH13, Apl18, BSB<sup>+</sup>20, FS17]. **Elster** [FS17]. **emissions** [EB19]. **Empire** [OO14]. **Endeavour** [WR18]. **Envelope** [Mil09, Sch13]. **Environmental** [Fro10]. **Environments** [BMvRS12, Wil15]. **Erich** [CW14]. **establishment** [IZJ19]. **estimate** [Sma18]. **European** [ZC18]. **Euxinus** [Shc20]. **eventful** [Ric12]. **Evolution** [Apl19a]. **evolves** [JIZ19a]. **Expanding** [Kra15]. **expansion** [Edw16, Sud14]. **Explorer** [Bre16, Hai83]. **Extreme** [Sch15]. **Father** [PA12]. **field** [FGFL12, MKSG10]. **fields** [Dee11]. **Finland** [Oks11]. **Finnish** [Nev14]. **first** [BBJ11, PA12, RSD<sup>+</sup>13]. **flight** [RSD<sup>+</sup>13]. **Fluid** [Mil09, Sch13]. **Forecast** [WKC18]. **forms** [FVZF14]. **founder** [Gla20, IR17]. **founding** [EZ13]. **Francisco** [SBLW14]. **Franz** [Mei17]. **French** [BGK<sup>+</sup>13]. **Friedrich** [GT14, Gla20, IR17]. **frontier** [SWGM<sup>+</sup>19]. **Fürstenfeldbruck** [Sof15]. **future** [AFH<sup>+</sup>19, KSDJ19, MP19b]. **Gauss** [GT14]. **Geitel** [FS17]. **General** [GT14]. **Geo** [Jør11, Sta11b]. **Geodesy** [JIZ19b, Edw16, IR17, DÁ19]. **Geodetic** [Puz19]. **geographic** [Mar11, Mar12]. **Geographical** [JSBWL16, San17]. **Geographike** [Mar11, Mar12]. **Geography** [Shc20, Mar16, Shc18]. **geologic** [Aal12, Aal15]. **geologists** [Ric12]. **Geology** [RTR11, Ric12]. **Geomagnetic** [Sof15, EB10, SWS10]. **geomagnetism** [Kot18, SG11]. **Geophysical** [BSB<sup>+</sup>20, Gla20, ACFJ13, Mat13]. **Geophysics** [JIZ19b, JK16, Kra15, OO14]. **Georg** [SWS10]. **George** [HCB<sup>+</sup>10]. **Geoscience** [IZ16, NH12]. **geoscientific** [Med13]. **geotechnics** [GALGGL18, LGGAGL19a, LGGAGL<sup>+</sup>19b]. **German** [GT14, Gla20, Hae16, Mei17]. **Glaciers** [Car10, Riv11]. **global** [DÁ19, SL19]. **globe** [JIZ19b]. **Göttingen** [SBLW14]. **Graf** [RSD<sup>+</sup>13]. **gravimetric** [Pet16]. **gravimetry** [Edw16]. **gravity** [Kra15]. **Great** [CAOV18]. **Günther** [FS12]. **half** [Bar15]. **Hans** [FS17]. **Happiness** [Car14, Ert10]. **Harald** [Sta11c, Sil12]. **Harang** [Bur16]. **Hector** [Bre16, Hai83]. **Helena** [CWR17]. **Heliogeophysical** [KSDJ19]. **Helliwell** [CI12]. **Helmut** [IR17]. **Hermann** [Aal15]. **Hermanus** [Kot18]. **Heuson** [SS11]. **Hinton** [Aal12]. **Hist** [Jør11, Sta11b]. **Historian** [SG11]. **historic** [EB19]. **historical** [DPR12, FVZF14, Kot18, Pet16]. **History** [EZ13, Hae16, Hol12, Hul11, Oks11, Ric07, Sof15, Tay10, Wei16, Cat11, HWD<sup>+</sup>18, Her10, Jør11, Kra15, Mat13, MH13, MP19b, Nev14, OO14, PB11, RR19, Sta11a, Sta11b, Thr18, WFB<sup>+</sup>19, ACFJ13, Wil18]. **Hooke** [Ric12]. **human** [HDPG<sup>+</sup>13]. **Humboldt** [MKSG10]. **Hungary** [BSB<sup>+</sup>20]. **Hutton** [Sma18]. **hydrogen** [EB19]. **hydrological** [Val17]. **hydrology** [RR19]. **Hyphegesis** [Mar11, Mar12]. **hypothesis** [Edw16, Sud14]. **IACS** [AFH<sup>+</sup>19]. **IAGA** [MP19a]. **IAHS** [RR19]. **IAMAS** [MV19]. **IAPSO** [SWGM<sup>+</sup>19]. **IASPEI** [SL19]. **IAVCEI** [Cas19]. **Iceland** [Kri12]. **ideal** [DÁ19]. **improve** [Sma18]. **Incoherent** [MP19b, BGK<sup>+</sup>13, WFB<sup>+</sup>19]. **Indications** [Edw16]. **Indies** [Car14, Ert10]. **influence** [GDN15]. **initiation** [Puz19]. **Inseparability** [Her10]. **Institut** [Med13, Sta11c]. **Institute**

[EZ13, Nev14, Sta11c, Woo20]. **institutes** [ACFJ13]. **instrumentation** [FS12]. **International** [JIZ19b, Cas19, IZ16, MV19, AFH<sup>+</sup>19, DÁ19]. **Introduction** [ACFJ13, PB11]. **Introductory** [AAE<sup>+</sup>10]. **Investigating** [Cha18, Ekm16]. **Investigations** [FVZF14, EB10]. **investigators** [FS17]. **involvement** [BGK<sup>+</sup>13]. **ionisation** [CW14]. **Ionosphere** [EZ13]. **ionospheric** [PB11, SL14, Wei16, ZC18]. **Irkutsk** [MP19b]. **irradiance** [Sch15]. **irregular** [DÁ19]. **Irrigation** [Car14, Ert10]. **issue** [JIZ19b]. **István** [BSB<sup>+</sup>20]. **Italian** [PA12]. **IUGG** [IZJ19, JIZB<sup>+</sup>19, JIZ19a]. **J** [Har11]. **J.** [Apl18]. **Jagiellonian** [JSBWL16]. **James** [Aal12, Hai83, WR18, Bre16]. **January** [Sch10, CAOV18]. **Japanese** [Nis10]. **Javanese** [Ert11]. **Jicamarca** [WFB<sup>+</sup>19]. **Johann** [SS11]. **John** [Aal12]. **Johnson** [CWR17]. **Julius** [FS17]. **Juliusruh** [Wei16]. **Karl** [Gla20, RS18]. **Karsten** [Aal15]. **Kelvin** [AH13]. **Kew** [Apl19a]. **knowledge** [Dee11, GALGGL18, LGGAGL19a, LGGAGL<sup>+</sup>19b]. **known** [DPR12, SS11]. **Koch** [Nat16, BN15]. **Kolupaila** [Val17]. **Kossmat** [Mei17]. **Kristian** [EB10]. **latitude** [San17]. **Lavoisier** [Ric12]. **Leader** [Bre16]. **legacy** [Apl18, Kri12]. **Leibniz** [Ric12]. **length** [Shc18]. **level** [Rai20]. **life** [BN15]. **lightning** [DC18, Vaq17]. **Lights** [Bur16]. **little** [SS11]. **little-known** [SS11]. **Liverpool** [Woo20]. **Locales** [Ert10, Car14]. **location** [Mar16]. **Lord** [AH13]. **luminosity** [FVZF14]. **machines** [Woo20]. **MacIure** [Aal12]. **Magnetic** [Kot18, Dee11, FGFL12, GDN15, MKSG10, MP19a, PA12]. **Magnetism** [GT14]. **Maisach** [Sof15]. **major** [MP19a]. **maler** [Sta11c]. **malerier** [Sta11c]. **Man** [Cha18, Ekm16]. **manned** [Har11]. **Manuel** [CWR17]. **map** [Aal12, Pis14]. **mapmaker** [BN15, Nat16]. **mapping** [Aal15]. **Maskelyne** [Sma18]. **Maurycy** [JK16]. **maximum** [CW14]. **Measurements** [BSB<sup>+</sup>20, AH13, San17, Sch15, WR18]. **medieval** [Pis14]. **Melting** [Car10, Riv11]. **meridian** [Mar16]. **Meteorological** [Nev14, Sta11c]. **Meteorologiske** [Sta11c]. **Milankovitch** [Gaj19]. **millennia** [ZC18]. **mode** [CI12]. **model** [She17]. **models** [MKSG10]. **modern** [IR17, MKSG10]. **Moltke** [Sil12, Sta11c]. **Moltkes** [Sta11c]. **Moos** [GDN15]. **mortality** [HDPG<sup>+</sup>13]. **Mountains** [Mei17]. **Munich** [Sof15]. **my** [Aka15]. **Nanabhoy** [GDN15]. **Natural** [Ric07, Tay10]. **naturalist** [NH12]. **necessary** [FS12]. **Netherlands** [Car14, Ert10]. **Neumayer** [SWS10]. **noctilucent** [DPR12]. **nordlysets** [Sta11c]. **Northern** [Bur16, Rai20]. **Northwest** [Med13]. **northwestern** [Aal15]. **Norway** [Hol12, Pet16]. **Notes** [DPR12, OO14, Mei17]. **Obituary** [RS18, SG11]. **observations** [DPR12, Pet16]. **observatories** [ACFJ13]. **Observatory** [Apl19a, BSB<sup>+</sup>20, GDN15, PA12, Wei16, Bur16, Kot18, Mat13, Sof15, WFB<sup>+</sup>19]. **observed** [CAOV18]. **occasion** [IR17]. **Ocean** [Mil09, Sch13, SWGM<sup>+</sup>19]. **Oliva** [DC18]. **one** [GDN15]. **Origin** [She17]. **origins** [SL19]. **other** [GDN15]. **Ottoman** [OO14]. **Our** [Mil09, Dee11, MP19a, Sch13]. **outstanding** [MS12]. **Oxford** [Apl19b]. **P** [Jør11, Sta11b]. **Painter** [Sil12, Sta11c]. **paintings** [Sta11c]. **Papers** [Ric12]. **Paradigm** [Aka15]. **Paris** [ML16]. **part** [Hul11, Hae16, Hol12, Hul11, Oks11]. **past**

[AFH<sup>+</sup>19, KSDJ19]. **paved** [BGK<sup>+</sup>13]. **peak** [Ert11]. **Peck** [LGGAGL19a]. **periploi** [Shc18]. **personal** [Aka15, Bar15]. **perspective** [Bar15, Kot18]. **Peter** [MS12]. **physicist** [Kra13]. **physics** [Aka15, FS17]. **picture** [Pis14]. **Pioneer** [Cha18, EB12, Aal15, CI12, Ekm16, FS17, MS12, SL14, Nag13]. **pioneering** [EB10, NH12]. **Pius** [JK16]. **Planet** [Mil09, Sch13, MP19a]. **Poland** [JSBWL16, KSDJ19]. **Pontus** [Shc20]. **possibilities** [Puz19]. **precision** [Mar11]. **prediction** [KSDJ19, Woo20]. **Preface** [JIZ19b, Wil18]. **present** [AFH<sup>+</sup>19, Edw16, KSDJ19, MP19b]. **prime** [Mar16]. **Processes** [Fro10]. **project** [Puz19]. **promotion** [SL19]. **pseudoscientific** [Edw16, Sud14]. **Ptolemy** [Mar11, Mar12, Mar16, San17, Shc18, Shc20]. **pyramids** [Sma18].

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**SABRE** [NS14]. **Saint** [BGK<sup>+</sup>13]. **San** [SBLW14]. **Santin** [BGK<sup>+</sup>13]. **satisfactory** [Ert11]. **Scatter** [MP19b, BGK<sup>+</sup>13, WFB<sup>+</sup>19]. **scholar** [SS11]. **School** [JSBWL16]. **Schröder** [SG11]. **Sci** [Jør11, Sta11b]. **Science** [Apl19a, Mil09, BJB11, Bar15, Her10, Jør11, Kri12, Sta11a, Sta11b, Val17, Sch13]. **sciences** [MV19, AFH<sup>+</sup>19]. **scientific** [Apl18, Edw16, IZ16, Sud14]. **Scientifique** [Med13]. **Scientist** [Bre16, BJB11, Gla20]. **sea** [Rai20]. **Secchi** [PA12]. **seismology** [Edw16, SL19]. **Selection** [Ric12]. **service** [KSDJ19]. **Shadow** [Car10, Riv11]. **shaping** [Bar15]. **Sheeley** [She17]. **short** [Bur12, Mat13]. **Siegfried** [Har11]. **since** [Apl19b, Med13, Sch15]. **Skempton** [LGGAGL<sup>+</sup>19b]. **Skip** [Apl18]. **slow** [Edw16]. **small** [Cas19]. **Society** [Car10, Riv11, Gla20]. **solar** [Aka15, She17]. **some** [ML16]. **Sondrestrom** [MH13]. **Sophus** [MS12]. **South** [Aal15]. **southern** [Kot18]. **Space** [BMvRS12, Jør11, Sta11b, Wil15, WKC18, Edw16, Har11, Nis10]. **Spain** [DC18, Vaq17, CAOV18]. **spar** [Kri12]. **special** [Hul11, JIZ19b]. **spectral** [Sch15]. **sphere** [DÁ19]. **spheres** [JIZ19b]. **Spiral** [FGFL12]. **St.** [CWR17]. **STARE** [NS14]. **STARE/SABRE** [NS14]. **States** [Aal12]. **statistical** [San17]. **Stauning** [Jør11]. **Stephen** [Apl19b]. **Steponas** [Val17]. **Stoffregen** [SL14]. **Størmer** [Nag13, EB12]. **story** [NS14]. **structures** [FGFL12]. **Struve** [Puz19]. **Studies** [RTR11, San17, Ric12]. **Study**

- [Mil09, Sch13]. **Subdivision** [Mei17].  
**subjected** [DÁ19]. **subsequent** [BBJ11].  
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**supplementary** [Mei17]. **survey**  
[EB19, RSD<sup>+</sup>13]. **Svante** [Kra13]. **Swedish**  
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[BSB<sup>+</sup>20].  
**tales** [SWGM<sup>+</sup>19]. **teacher** [Gla20].  
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**Tromsø** [Bur16]. **twentieth**  
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**Victorian** [Apl19a]. **view** [Aka15]. **virtual**  
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**Wang** [She17]. **Warning**  
[Dam18, HWD<sup>+</sup>18, Wil18]. **way** [BGK<sup>+</sup>13].  
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**whistler** [CI12]. **whistler-mode** [CI12].  
**Wilfried** [SG11]. **Willy** [SL14]. **wind**  
[She17]. **work** [BN15]. **works** [San17].  
**world** [Pis14, Ric12].  
**years** [Hae16, ML16].  
**Zafra** [Vaq17]. **Zeppelin** [RSD<sup>+</sup>13]. **zero**  
[ML16].

## References

**Aplin:2010:IE**

- [AAE<sup>+</sup>10] K. Aplin, K. Arora, M. Ertesen, G. A. Good, G. P. Gregori, J. M. Herndon, T. Kikuchi, T. Kutsukake, T. V. Kuznetsova, S. Papamarinopoulos, R. J. Pellinen, P. Richet, K. Schlegel, W. Schröder, and V. Schwach. ■  
Introductory editorial. *History of Geo- and Space Sciences*, 1(1):1–2, ????. 2010.  
CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/1/1/2010/>.

**Aalto:2012:EJJ**

- [Aal12] K. R. Aalto. Edwin James' and John Hinton's revisions of Maclure's geologic map of the United States. *History of Geo- and Space Sciences*, 3(1):75–86, ????. 2012. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/75/2012/>.

- |                       |   |         |   |
|-----------------------|---|---------|---|
|                       | <b>Aalto:2015:HKP</b>   |         | <b>hist-geo-space-sci.net/10/97/2019/.</b>  |
| [Aal15]               | <p>K. R. Aalto. Hermann Karsten, pioneer of geologic mapping in northwestern South America. <i>History of Geo- and Space Sciences</i>, 6(1):57–63, ???? 2015. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/6/57/2015/">https://www.hist-geo-space-sci.net/6/57/2015/</a>.</p>   | [AH13]  | <p>K. L. Aplin and R. G. Harrison. Lord Kelvin’s atmospheric electricity measurements. <i>History of Geo- and Space Sciences</i>, 4(2):83–95, ???? 2013. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/4/83/2013/">https://www.hist-geo-space-sci.net/4/83/2013/</a>.</p>  |
| [ACFJ13]              | <p>K. Arora, D. Cole, J. Urrutia Fucugauchi, and M. G. Johnson. Introduction: “History of geophysical institutes and observatories”. <i>History of Geo- and Space Sciences</i>, 4(2):71, ???? 2013. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/4/71/2013/hgss-4-71-2013.pdf">https://www.hist-geo-space-sci.net/4/71/2013/hgss-4-71-2013.pdf</a>.</p>                                 | [Aka15] | <p>S.-I. Akasofu. Paradigm transitions in solar-terrestrial physics from 1900: my personal view. <i>History of Geo- and Space Sciences</i>, 6(1):23–43, ???? 2015. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/6/23/2015/">https://www.hist-geo-space-sci.net/6/23/2015/</a>.</p>                                      |
| [AFH <sup>+</sup> 19] | <p>Ian Allison, Charles Fierz, Regine Hock, Andrew Mackintosh, Georg Kaser, , and Samuel U. Nussbaumer. IACS: past, present, and future of the International Association of Cryospheric Sciences. <i>History of Geo- and Space Sciences</i>, 10(1):97–107, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/10/97/2019/">https://www.hist-geo-space-sci.net/10/97/2019/</a>.</p> | [Apl18] | <p>Karen L. Aplin. Atmospheric electricity at Durham: the scientific contributions and legacy of J. A. (“Skip”) Chalmers (1904–1967). <i>History of Geo- and Space Sciences</i>, 9(1):25–35, ???? 2018. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/9/25/2018/">https://www.hist-geo-space-sci.net/9/25/2018/</a>.</p> |

- Aplin:2019:BRK**
- [Apl19a] Karen L. Aplin. Book review: *Kew Observatory and the Evolution of Victorian Science 1840–1910. History of Geo- and Space Sciences*, 10(1):1–2, ????, 2019. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/1/2019/>.
- Aplin:2019:BRO**
- [Apl19b] Karen L. Aplin. Book review: *Oxford Weather and Climate since 1767* by Stephen Burt and Tim Burt. *History of Geo- and Space Sciences*, 10(2):267–268, ????, 2019. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/267/2019/>.
- Barry:2015:SCS**
- [Bar15] R. G. Barry. The shaping of climate science: half a century in personal perspective. *History of Geo- and Space Sciences*, 6(2):87–105, ????, 2015. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/6/87/2015/>.
- Bauer:2013:HSS**
- [BGK<sup>+</sup>13] P. Bauer, A. Giraud, W. Kofman, M. Petit, and P. Waldteufel. How the Saint Santin incoherent scatter system paved the way for a French involvement in EISCAT. *History of Geo- and Space Sciences*, 4(2):97–103, ????, 2013. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/4/97/2013/>.
- Barry:2011:RAB**
- R. G. Barry, J. Jania, and K. Birkenmajer. Review article: “A. B. Dobrowolski — the first cryospheric scientist — and the subsequent development of cryospheric science”. *History of Geo- and Space Sciences*, 2(1):75–79, ????, 2011. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/75/2011/>.
- Beer:2012:CRT**
- Jürg Beer, K. G. (Kenneth G.) McCracken, and R. von (Rudolf) Steiger. *Cosmogenic Radionuclides: Theory and Applications in the Terrestrial and Space Environments*. Physics of earth and space environments. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2012. ISBN 3-642-14650-3 (hardcover), 3-642-14651-1 (e-book). ISSN 1610-1677 (print), 1865-0678

- (electronic). xvi + 426 pp.  
LCCN QC913 .B44 2012.
- Brednich:2015:AKM**
- [BN15] Rolf Wilhelm Brednich and Sascha Nolden. *Augustus Koch — mapmaker: the life and work of Augustus Koch (1834–1901): artist, designer, draughtsman and cartographer*. Steele Roberts Aotearoa, Wellington, Aotearoa, New Zealand, 2015. ISBN 1-927242-87-8. 123 pp. LCCN GA1767.7.
- Brednich:2016:BRJ**
- [Bre16] Rolf W. Brednich. Book review: *James Hector. Explorer, Scientist, Leader. History of Geo- and Space Sciences*, 7(1):65–66, ???? 2016. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/65/2016/>.
- Bor:2020:MAE**
- [BSB<sup>+</sup>20] József Bór, Gabriella Sátori, Veronika Barta, Karolina Szabóné-André, Judit Szendrői, Viktor Wesztergom, Tamás Bozóki, Attila Buzás, , and Dávid Koronczay. Measurements of atmospheric electricity in the Széchenyi István Geophysical Observatory, Hungary. *History of Geo- and Space Sciences*, 11 (1):53–70, ???? 2020. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/11/1/53/2020/>.
- CAOV18**
- [Bur12] W. J. Burke. The ring current: a short biography. *History of Geo- and Space Sciences*, 3(2):131–142, ???? 2012. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/131/2012/>.
- Egeland:2012:RCS**
- [Bur16] Alv Egeland William J. Burke. Auroral research at the Tromsø Northern Lights Observatory: the Harang directorship, 1928–1946. *History of Geo- and Space Sciences*, 7(1):53–61, ???? 2016. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/53/2016/>.
- Carrasco:2018:GAJ**
- Víctor M. S. Carrasco, Enric Aragonès, Jorge Ordaz, and José M. Vaquero. The Great Aurora of January 1770 observed in Spain. *History of Geo- and Space Sciences*, 9(2):133–139, October 2018. ISSN 2190-5010 (print), 2190-5029 (electronic).
- Carey:2010:SMG**
- Mark (Mark P.) Carey. *In the Shadow of Melting*

- [Car14] M. Carey. Book review: *Locales of Happiness: Colonial Irrigation in the Netherlands East Indies and its Remains, 1830–1980*. *History of Geo- and Space Sciences*, 5(1):73–74, ???? 2014. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/73/2014/hgss-5-73-2014.pdf>. [CI12]
- [Cas19] Raymond A. F. Cas. IAV-CEI: from small beginnings to a vibrant international association. *History of Geo- and Space Sciences*, 10(1):181–191, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/181/2019/>. [CW14]
- [Cat11] R. B. Cathcart. Anthropic rock: a brief history. *History of Geo- and Space Sciences*, 2(1):57–74, ???? 2011. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/57/2011/>.
- Carey:2014:BRL**
- [Cha18] [Chapman:2018:BRM]
- David S. Chapman. Book review: *The Man behind Degree Celsius: A Pioneer in Investigating the Earth and its Changes*. *History of Geo- and Space Sciences*, 9(1):39–40, ???? 2018. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/39/2018/>.
- Carpenter:2012:RHP**
- D. L. Carpenter and U. S. Inan. Robert Helliwell, pioneer of whistler-mode research. *History of Geo- and Space Sciences*, 3(1):73–74, ???? 2012. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/73/2012/>.
- Carlson:2014:ERI**
- P. Carlson and A. A. Watson. Erich Regener and the ionisation maximum of the atmosphere. *History of Geo- and Space Sciences*, 5(2):175–182, ???? 2014. CODEN ???? ISSN 2190-5010

- (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/175/2014/>.
- Cartwright:2017:MJT** [DC18]
- [CWR17] David E. Cartwright, Philip L. Woodworth, and Richard D. Ray. Manuel Johnson's tide record at St. Helena. *History of Geo- and Space Sciences*, 8(1):9–19, ???? 2017. CODEN ??? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/8/9/2017/>.
- Drewes:2019:IAG** [Dee11]
- [DÁ19] Hermann Drewes and József Ádám. The International Association of Geodesy: from an ideal sphere to an irregular body subjected to global change. *History of Geo- and Space Sciences*, 10(1):151–161, ???? 2019. CODEN ??? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/151/2019/>.
- Damboldt:2018:RWC** [DPR12]
- [Dam18] Thomas Damboldt. The Regional Warning Center Darmstadt (from the 1960s until 1993). *History of Geo- and Space Sciences*, 9(1):49–51, ???? 2018. CODEN ??? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/49/2018/>.
- Dominguez-Castro:2018:ERB**
- Fernando Dom'inguez-Castro. An early record of ball lightning: Oliva (Spain), 1619. *History of Geo- and Space Sciences*, 9(1):79–83, ???? 2018. CODEN ??? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/79/2018/>.
- Egeland:2011:RAC**
- A. Egeland C. S. Deehr. Roald Amundsen's contributions to our knowledge of the magnetic fields of the Earth and the Sun. *History of Geo- and Space Sciences*, 2(2):99–112, ???? 2011. CODEN ??? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/99/2011/>.
- Dalin:2012:NHA**
- P. Dalin, N. Pertsev, and V. Romejko. Notes on historical aspects on the earliest known observations of noctilucent clouds. *History of Geo- and Space Sciences*, 3(1):87–97, ???? 2012. CODEN ??? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/87/2012/>.

- [EB10] **Egeland:2010:KBP**  
A. Egeland and W. J. Burke. Kristian Birkeland's pioneering investigations of geomagnetic disturbances. *History of Geo- and Space Sciences*, 1(1):13–24, ????. 2010. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/1/13/2010/>.
- [EB12] **Egeland:2012:CSA**  
Alv Egeland and William J. Burke. *Carl Størmer: Auroral Pioneer*, volume 393 of *Astrophysics and Space Science Library*. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 2012. ISBN 3-642-31456-2 (hardcover), 3-642-31457-0 (e-book). viii + 195 + 131 pp. LCCN QC971 .E34 2013. URL <http://link.springer.com/book/10.1007/978-3-642-31457-1>; <http://public.eblib.com/choice/publicfullrecord.aspx?p=1030573>; <http://site.ebrary.com/id/10617872>.
- [EB19] **Egeland:2019:AHE**  
Alv Egeland and William J. Burke. Auroral hydrogen emissions: a historic survey. *History of Geo- and Space Sciences*, 10(1):201–213, ????. 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/201/2019/>.
- [Edw16] **Edwards:2016:ISG**  
Matthew R. Edwards. Indications from space geodesy, gravimetry and seismology for slow Earth expansion at present — comment on “The Earth expansion theory and its transition from scientific hypothesis to pseudoscientific belief” by Sudiro (2014). *History of Geo- and Space Sciences*, 7(2):125–133, ????. 2016. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/125/2016/>. See [Sud14].
- [Ekm16] **Ekman:2016:MBD**  
Martin Ekman. *The man behind “Degrees Celsius”: a pioneer in investigating the Earth and its changes*. Summer Institute for Historical Geophysics, Godby, Åland Islands, Finland, 2016. ISBN 952-93-7732-0. 159 pp. LCCN ????
- [Ert10] **Ertsen:2010:LHC**  
Maurits W. Ertsen. *Locales of Happiness Colonial Irrigation in the Netherlands East Indies and Its Remains, 1830–1980*. VSSD, Delft, The Netherlands, 2010. ISBN 90-6562-241-1. ix + 238 pp. LCCN ????

- |   |   |
|---|---|
| <p><b>Ertsen:2011:CSA</b></p> <p>[Ert11] M. W. Ertsen. “A not completely satisfactory attempt” — peak discharges and rainfall-runoff relations for Javanese rivers between 1880 and 1940. <i>History of Geo- and Space Sciences</i>, 2(1):39–55, ???? 2011. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/2/39/2011/">https://www.hist-geo-space-sci.net/2/39/2011/</a>.</p> <p><b>Emelyanov:2013:HDR</b></p> <p>[EZ13] L. Ya. Emelyanov and T. G. Zhivulup. History of the development of IS radars and founding of the Institute of Ionosphere in Ukraine. <i>History of Geo- and Space Sciences</i>, 4(1):7–17, ???? 2013. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/4/7/2013/">https://www.hist-geo-space-sci.net/4/7/2013/</a>.</p> <p><b>Feldstein:2012:SSR</b></p> <p>[FGFL12] Y. I. Feldstein, L. I. Grozova, M. Förster, and A. E. Levitin. Spiral structures and regularities in magnetic field variations and auroras. <i>History of Geo- and Space Sciences</i>, 3(1):1–31, ???? 2012. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/3/1/2012/">https://www.hist-geo-space-sci.net/3/1/2012/</a>.</p> | <p><b>Froehlich:2010:ERH</b></p> <p>[Fro10] Klaus F. O. Froehlich, editor. <i>Environmental Radionuclides: Tracers and Timers of Terrestrial Processes</i>, volume 16 of <i>Radioactivity in the environment</i>. Elsevier, Amsterdam, The Netherlands, 2010. ISBN 0-08-043873-3 (hardcover), 0-08-091329-6 (e-book). ISSN 1569-4860. xiii + 438 pp. LCCN QC795.8.R3 E58 2010; TK9400 .A63 2008. URL <a href="http://www.sciencedirect.com/science/bookseries/15694860/16">http://www.sciencedirect.com/science/bookseries/15694860/16</a>.</p> <p><b>Fricke:2012:ADC</b></p> <p>[FS12] R. G. A. Fricke and K. Schlegel. 100th anniversary of the discovery of cosmic radiation: the role of Günther and Tegetmeyer in the development of the necessary instrumentation. <i>History of Geo- and Space Sciences</i>, 3(2):151–158, ???? 2012. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/3/151/2012/">https://www.hist-geo-space-sci.net/3/151/2012/</a>.</p> <p><b>Fricke:2017:JEH</b></p> <p>[FS17] Rudolf G. A. Fricke and Kristian Schlegel. Julius Elster and Hans Geitel — dioscuri of physics and pioneer investigators in atmospheric electricity. <i>History of Geo- and Space Sciences</i>,</p> |
|---|---|

- 8(1):1–7, ???? 2017. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/8/1/2017/>.
- Feldstein:2014:IAL**
- [FVZF14] Y. I. Feldstein, V. G. Vorobjev, V. L. Zverev, and M. Förster. Investigations of the auroral luminosity distribution and the dynamics of discrete auroral forms in a historical retrospective. *History of Geo- and Space Sciences*, 5(1):81–134, ???? 2014. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/81/2014/>.
- Gajic:2019:CCM**
- [Gaj19] Nenad Gajic. The curious case of the Milankovitch calendar. *History of Geo- and Space Sciences*, 10(2):235–243, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/235/2019/>.
- Galindo-Aires:2018:CKE**
- [GALGGL18] Rubén Galindo-Aires, Antonio Lara-Galera, and Gonzalo Guillán-Llorente. Contribution to the knowledge of early geotechnics during the twentieth century: Arthur Casagrande. *History of Geo- and Space Sciences*, 9(2):107–123, ???? 2018. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/107/2018/>.
- Gawali:2015:CAM**
- [GDN15] P. B. Gawali, M. G. Doiphode, and R. N. Nimje. Colaba-Alibag magnetic observatory and Nanabhoy Moos: the influence of one over the other. *History of Geo- and Space Sciences*, 6(2):107–131, ???? 2015. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/6/107/2015/>.
- Glassmeier:2020:KFA**
- [Gla20] Karl-Heinz Glassmeier. Karl Friedrich Almstedt — scientist, teacher, and co-founder of the German Geophysical Society. *History of Geo- and Space Sciences*, 11(1):71–80, ???? 2020. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/11/71/2020/>.
- Glassmeier:2014:CFG**
- [GT14] K.-H. Glassmeier and B. T. Tsurutani. Carl Friedrich Gauss — general theory of terrestrial magnetism — a revised translation of the German text. *History of Geo- and Space Sciences*, 5(2):107–123, ???? 2014. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/107/2014/>.

- (1):11–62, ???? 2014. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/11/2014/>.
- Haerendel:2016:HEP**
- [Hae16] Gerhard Haerendel. History of EISCAT — Part 4: On the German contribution to the early years of EISCAT. *History of Geo- and Space Sciences*, 7(2):67–72, ???? 2016. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/67/2016/>.
- Haig:1983:JHE**
- [Hai83] Bruce Haig. *James Hector explorer*. Following historic trails. Alberta Historical Resources Foundation, Calgary, Alberta, Canada, 1983. ISBN 0-920490-35-2 (paperback). 51 pp. LCCN F1060.8.
- Hartmann:2011:BUM**
- [Har11] G. K. Hartmann. “Between unmanned and manned space research”: Dr. Siegfried J. Bauer for his 80th birthday. *History of Geo- and Space Sciences*, 2(1):81–82, ???? 2011. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/81/2011/>.
- Halberg:2010:EGT**
- F. Halberg, G. Cornélissen, K.-H. Bernhardt, M. Sampson, O. Schwartzkopff, and D. Sonntag. Egeson’s (George’s) transtridecadal weather cycling and sunspots. *History of Geo- and Space Sciences*, 1(2):49–61, ???? 2010. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/1/49/2010/>.
- Halberg:2013:DCH**
- F. Halberg, N. Düll-Pfaff, L. Gumarova, T. A. Zenchenko, O. Schwartzkopff, E. M. Freytag, J. Freytag, and G. Cornelissen. 27-day cycles in human mortality: Traute and Bernhard Düll. *History of Geo- and Space Sciences*, 4(1):47–59, ???? 2013. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/4/47/2013/>.
- Herndon:2010:ISH**
- J. M. Herndon. Inseparability of science history and discovery. *History of Geo- and Space Sciences*, 1(1):25–41, ???? 2010. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/1/25/2010/>.

- |   |  |  |
|---|--|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Holt:2012:HEP</b></div> <p>[Hol12] O. Holt. History of EISCAT — Part 3: The early history of EISCAT in Norway. <i>History of Geo- and Space Sciences</i>, 3(1):47–52, ???? 2012. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/3/47/2012/">https://www.hist-geo-space-sci.net/3/47/2012/</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Hultqvist:2011:HEP</b></div> <p>[Hul11] B. Hultqvist. History of EISCAT — Part 1: On the early history of EISCAT with special reference to the Swedish part of it. <i>History of Geo- and Space Sciences</i>, 2(2):115–121, ???? 2011. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/2/115/2011/">https://www.hist-geo-space-sci.net/2/115/2011/</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>He:2018:BHR</b></div> <p>[HWD<sup>+</sup>18] Han He, Huaining Wang, Zhanle Du, Xin Huang, Yan Yan, Xinghua Dai, Juan Guo, and Jialong Wang. A brief history of Regional Warning Center China (RWC-China). <i>History of Geo- and Space Sciences</i>, 9(1):41–47, ???? 2018. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/9/41/2018/">https://www.hist-geo-space-sci.net/9/41/2018/</a>.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>[IR17]</b></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Ihde:2017:FRH</b></div> <p>Johannes Ihde and Andreas Reinhold. Friedrich Robert Helmert, founder of modern geodesy, on the occasion of the centenary of his death. <i>History of Geo- and Space Sciences</i>, 8(2):79–95, ???? 2017. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/8/79/2017/">https://www.hist-geo-space-sci.net/8/79/2017/</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Ismail-Zadeh:2016:GIR</b></div> <p>Alik Ismail-Zadeh. Geoscience international: the role of scientific unions. <i>History of Geo- and Space Sciences</i>, 7(2):103–123, ???? 2016. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/7/103/2016/">https://www.hist-geo-space-sci.net/7/103/2016/</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Ismail-Zadeh:2019:IBE</b></div> <p>Alik Ismail-Zadeh and Jo Ann Joselyn. IUGG: beginning, establishment, and early development (1919–1939). <i>History of Geo- and Space Sciences</i>, 10(1):25–44, ???? 2019. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <a href="https://www.hist-geo-space-sci.net/10/25/2019/">https://www.hist-geo-space-sci.net/10/25/2019/</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Joselyn:2019:IE</b></div> <p>Jo Ann Joselyn and Alik Ismail-Zadeh. IUGG evolves (1940–2000). <i>History of</i></p> | <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>[JIZ19]</b></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>[JIZ19a]</b></div> |
|---|--|--|

- Geo- and Space Sciences*, 10(1):45–72, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/45/2019/>.
- [JIZ19b] [Jør11] **Joselyn:2019:PSI**
- Jo Ann Joselyn and Alik Ismail-Zadeh. Preface to the special issue “The International Union of Geodesy and Geophysics: from different spheres to a common globe”. *History of Geo- and Space Sciences*, 10(1):17–24, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/17/2019/>.
- [JIZB<sup>+</sup>19] [JSBWL16] **Joselyn:2019:IC**
- Jo Ann Joselyn, Alik Ismail-Zadeh, Tom Beer, Harsh Gupta, Masaru Kono, Uri Shamir, Michael Sideris, , and Kathryn Whaler. IUGG in the 21st century. *History of Geo- and Space Sciences*, 10(1):73–95, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/73/2019/>.
- [JK16] [Kot18] **Jackowski:2016:MPR**
- Antoni Jackowski and Kazimierz Krzemień. Maurycy Pius Rudzki and the birth of geophysics. *History of Geo- and Space Sciences*, 7(1):23–25, ???? 2016. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/23/2016/>. See [Sta11a, Sta11b].
- Jorgensen:2011:CDA**
- T. S. Jørgensen. Comment on “Danish auroral science history” by P. Stauning in Hist. Geo Space Sci., 2, 1–28, 2011. *History of Geo- and Space Sciences*, 2(2):85–86, ???? 2011. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/85/2011/>. See [Sta11a, Sta11b].
- Jackowski:2016:GTR**
- Antoni Jackowski, Izabela Soljan, Elzbieta Bilska-Wodecka, and Justyna Liro. Geographical tourism research and education at the Jagiellonian University School of Tourism in Poland (1936–1939). *History of Geo- and Space Sciences*, 7(2):91–101, ???? 2016. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/91/2016/>.
- Kotze:2018:HMO**
- Pieter B. Kotzé. Hermanus Magnetic Observatory: a historical perspective

- of geomagnetism in southern Africa. *History of Geo- and Space Sciences*, 9(2):125–131, ???? 2018. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/125/2018/>.
- Kragh:2013:SAC**
- [Kra13] Helge Kragh. Svante Arrhenius, cosmical physicist and auroral theorist. *History of Geo- and Space Sciences*, 4(2):61–69, ???? 2013. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/4/61/2013/>.
- Kragh:2015:EED**
- [Kra15] Helge Kragh. Expanding Earth and declining gravity: a chapter in the recent history of geophysics. *History of Geo- and Space Sciences*, 6(1):45–55, ???? 2015. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/6/45/2015/>.
- Kristjansson:2012:ISL**
- [Kri12] L. Kristjánsson. Iceland spar and its legacy in science. *History of Geo- and Space Sciences*, 3(1):117–126, ???? 2012. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/117/2012/>.
- Klos:2019:HPS**
- Zbigniew Klos, Iwona Stanisławska, , and Beata Dziak-Jankowska. Heliogeophysical prediction service in Poland: past, present and future. *History of Geo- and Space Sciences*, 10(1):193–199, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/193/2019/>.
- Lara-Galera:2019:CKEa**
- [LGGAGL19a] Antonio Lara-Galera, Rubén Galindo-Aires, , and Gonzalo Guillán-Llorente. Contribution to the knowledge of early geotechnics during the twentieth century: Ralph Peck. *History of Geo- and Space Sciences*, 10(1):3–15, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/3/2019/>.
- Lara-Galera:2019:CKEb**
- [LGGAGL<sup>+</sup>19b] Antonio Lara-Galera, Rubén Galindo-Aires, Gonzalo Guillán-Llorente, , and Vicente Alcaraz Carrillo de Albornoz. Contribution to the knowledge of early geotechnics during the 20th century: Alec Westley Skempston. *History of Geo- and*

- [Mar11] C. Marx. On the precision of Ptolemy's geographic coordinates in his *Geographike Hyphegesis. History of Geo- and Space Sciences*, 2(1): 29–37, ???? 2011. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/225/2019/>. [Mat13]
- Marx:2011:PPG**
- [Mar12] C. Marx. Rectification of the ancient geographic coordinates in Ptolemy's *Geographike Hyphegesis. History of Geo- and Space Sciences*, 3(1):99–112, ???? 2012. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/99/2012/>. [Med13]
- Marx:2012:RAG**
- [Mar16] Christian Marx. The western coast of Africa in Ptolemy's *Geography* and the location of his prime meridian. *History of Geo- and Space Sciences*, 7(1): 27–52, ???? 2016. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/27/2016/>. [Mei17]
- Marx:2016:WCA**
- [Mat13] J. D. Mathews. A short history of geophysical radar at Arecibo Observatory. *History of Geo- and Space Sciences*, 4(1):19–33, ???? 2013. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/4/19/2013/>. [Mathews:2013:SHG]
- Mathews:2013:SHG**
- [Med13] F. Medina. Contribution of the “Institut Scientifique Chérifien” to the development of geoscientific research in Northwest Africa since its creation in 1914. *History of Geo- and Space Sciences*, 4(2):73–82, ???? 2013. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/4/73/2013/>. [Medina:2013:CIS]
- Medina:2013:CIS**
- [Mei17] Guido Meinhold. Franz Kossmat — subdivision of the Variscan Mountains — a translation of the German text with supplementary notes. *History of Geo- and Space Sciences*, 8(1): 29–51, ???? 2017. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/8/29/2017/>. [Meinhold:2017:FKS]
- Meinhold:2017:FKS**

- [hist-geo-space-sci.net/  
8/29/2017/](https://www.hist-geo-space-sci.net/8/29/2017/)
- McCready:2013:CSR**
- [MH13] M. A. McCready and C. J. Heinselman. The Chatanika and Sondrestrom radars — a brief history. *History of Geo- and Space Sciences*, 4(1):1–6, ???? 2013. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/4/1/2013/>.
- Mills:2009:FEO**
- [Mil09] Eric L. Mills. *The Fluid Envelope of Our Planet: How the Study of Ocean Currents Became a Science*. University of Toronto Press, Toronto, ON, Canada, 2009. ISBN 0-8020-9697-2. xii + 434 pp. LCCN GC29 .M55 2009.
- Mandea:2010:AHC**
- [MKSG10] M. Mandea, M. Korte, A. Soloviev, and A. Gvishiani. Alexander von Humboldt’s charts of the Earth’s magnetic field: an assessment based on modern models. *History of Geo- and Space Sciences*, 1(2):63–76, ???? 2010. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/1/63/2010/>.
- ML16**
- [MP19a]
- Mills:2009:FEO**
- MP19b**
- MS12**
- Mandea:2016:ASY**
- Mioara Mandea and Jean-Louis Le Mouël. After some 350 years — zero declination again in Paris. *History of Geo- and Space Sciences*, 7(2):73–77, ???? 2016. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/73/2016/>.
- Mandea:2019:IMR**
- Mioara Mandea and Eduard Petrovský. IAGA: a major role in understanding our magnetic planet. *History of Geo- and Space Sciences*, 10(1):163–172, ???? 2019. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/163/2019/>.
- Medvedev:2019:IIS**
- Andrey V. Medvedev and Alexander P. Potekhin. Irkutsk incoherent scatter radar: history, present and future. *History of Geo- and Space Sciences*, 10(2):215–224, ???? 2019. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/215/2019/>.
- Moss:2012:SPT**
- K. Moss and P. Stauning. Sophus Peter Tromholt: an

- outstanding pioneer in auroral research. *History of Geo- and Space Sciences*, 3(1):53–72, ???? 2012. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/53/2012/>. [Nev14]
- MacCracken:2019:ICI**
- [MV19] Michael C. MacCracken and Hans Volkert. IAMAS: a century of international co-operation in atmospheric sciences. *History of Geo- and Space Sciences*, 10(1):119–136, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/119/2019/>. [NH12]
- Nagarajan:2013:BRC**
- [Nag13] N. Nagarajan. Book review: *Carl Størmer, Aurora Pioneer*. *History of Geo- and Space Sciences*, 4(2):107–108, ???? 2013. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/4/107/2013/hgss-4-107-2013.pdf>. [Nis10]
- Nathan:2016:BRA**
- [Nat16] S. Nathan. Book review: *Augustus Koch — Mapmaker*. *History of Geo- and Space Sciences*, 7(1):63–64, ???? 2016. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/63/2016/>. [Nevanlinna:2014:EHF]
- H. Nevanlinna. On the early history of the Finnish Meteorological Institute. *History of Geo- and Space Sciences*, 5(1):75–80, ???? 2014. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/75/2014/>. [Nielsen:2012:CTV]
- J. K. Nielsen and S. Helama. Christian Theodor Vaupell, a Danish 19th century naturalist and a pioneering developer of the Quaternary geoscience. *History of Geo- and Space Sciences*, 3(2):143–150, ???? 2012. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/143/2012/>. [Nishida:2010:EJC]
- A. Nishida. Early Japanese contributions to space weather research (1945–1960). *History of Geo- and Space Sciences*, 1(1):1–12, ???? 2010. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/1/1/2010/>.

- Nielsen:2014:SSS**
- [NS14] E. Nielsen and W. Schmidt. The STARE/SABRE story. *History of Geo- and Space Sciences*, 5(1):63–72, ???? 2014. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/63/2014/>.
- Oksman:2011:HEP**
- [Oks11] J. Oksman. History of EISCAT — Part 2: The early history of EISCAT in Finland. *History of Geo- and Space Sciences*, 2(2):123–128, ???? 2011. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/123/2011/>.
- Ozcep:2014:NHG**
- [OO14] F. Ozcep and T. Ozcep. Notes on the history of geophysics in the Ottoman Empire. *History of Geo- and Space Sciences*, 5(2):163–174, ???? 2014. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/163/2014/>.
- Ptitsyna:2012:FSF**
- [PA12] N. Ptitsyna and A. Altamore. Father Secchi and the first Italian magnetic observatory. *History of Geo- and Space Sciences*, 3(1):33–45, ???? 2012. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/33/2012/>.
- Pellinen:2011:IHI**
- [PB11] R. Pellinen and A. Brekke. Introduction: “The history of ionospheric radars”. *History of Geo- and Space Sciences*, 2(2):113–114, ???? 2011. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/113/2011/hgss-2-113-2011.pdf>.
- Pettersen:2016:HRG**
- [Pet16] Bjørn Ragnvald Pettersen. A historical review of gravimetric observations in Norway. *History of Geo- and Space Sciences*, 7(2):79–89, ???? 2016. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/79/2016/>.
- Pischke:2014:EMT**
- [Pis14] G. Pischke. The Ebstorf Map: tradition and contents of a medieval picture of the world. *History of Geo- and Space Sciences*, 5(2):155–161, ???? 2014. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/155/2014/>.

- [www.hist-geo-space-sci.net/5/155/2014/](http://www.hist-geo-space-sci.net/5/155/2014/).
- Puziene:2019:SGA**
- [Puz19] Ruta Puziene. The Struve Geodetic Arc: the development of the triangulation, technical possibilities, and the initiation of the project. *History of Geo- and Space Sciences*, 10(2): 269–277, ???? 2019. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/269/2019/>.
- Raicich:2020:SLR**
- [Rai20] Fabio Raicich. A 1782–1794 sea level record at Trieste (northern Adriatic). *History of Geo- and Space Sciences*, 11(1):1–14, ???? 2020. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/11/1/2020/>.
- Richet:2007:NHT**
- [Ric07] Pascal Richet. *A Natural History of Time*. University of Chicago Press, Chicago, IL, USA, 2007. ISBN 0-226-71287-7 (hardcover). xiv + 471 pp. LCCN QE508 .R5413 2007. URL <http://www.loc.gov/catdir/enhancements/fy0707/2006033992-b.html>; <http://www.loc.gov/catdir/enhancements/fy0707/2006033992-d.html>; <http://www.loc.gov/catdir/toc/ecip073/2006033992.html>.
- Richet:2012:BRH**
- [Ric12] P. Richet. Book review: From Hooke and Leibniz to Rouelle and Lavoisier, the eventful world of early geologists. A review of “*Studies on Eighteenth-Century Geology, a Selection of Papers*” by Rhoda Rappaport”. *History of Geo- and Space Sciences*, 3(1):113–115, ???? 2012. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/113/2012/hgss-3-113-2012.pdf>.
- Rivera:2011:BRS**
- [Riv11] A. Rivera. Book review: “*In the Shadow of Melting Glaciers. Climate change and Andean Society*”. *History of Geo- and Space Sciences*, 2(2): 97–98, ???? 2011. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/97/2011/hgss-2-97-2011.pdf>.
- Rosbjerg:2019:IBH**
- Dan Rosbjerg and John Rodda. IAHS: a brief history of hydrology. *History of Geo- and Space Sciences*, 10(1):109–118, ???? 2019. CODEN ????. ISSN

- [RS18] Bodo W. Reinisch and Christian Schlegel. Obituary: Karl Rawer (1913–2018). *History of Geo- and Space Sciences*, 9(1):105–106, ???? 2018. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/105/2018/>. **Reinisch:2018:OKR**
- [RSD<sup>+</sup>13] O. M. Raspovov, S. N. Sokolov, I. M. Demina, R. Pellinen, and A. A. Petrova. The first aeromagnetic survey in the Arctic: results of the Graf Zeppelin airship flight of 1931. *History of Geo- and Space Sciences*, 4(1):35–46, ???? 2013. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/4/35/2013/>. **Raspovov:2013:FAS**
- [RTR11] Rhoda Rappaport, Kenneth L. Taylor, and M. J. S. Rudwick, editors. *Studies on Eighteenth-century Geology*. Variorum collected studies series. Ashgate Variorum, Farnham, UK, 2011. ISBN 1-4094-2959-8 (hardcover). 350 (est.) pp. LCCN QE13.E85 R358 2011. **Rappaport:2011:SEC**
- [San17] Luca Santoro. A statistical approach to latitude measurements: Ptolemy's and Riccioli's geographical works as case studies. *History of Geo- and Space Sciences*, 8(2):69–77, ???? 2017. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/8/69/2017/>. **Santoro:2017:SAL**
- [SBLW14] H. Steffen, W. Brunk, M. Leven, and U. Wedeken. From San Francisco to Tohoku — 111 yr of continuous earthquake recording in Göttingen. *History of Geo- and Space Sciences*, 5 (1):1–10, ???? 2014. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/1/2014/>. **Steffen:2014:SFT**
- [Sch10] W. Schröder. The development of the aurora of 18 January 1770. *History of Geo- and Space Sciences*, 1 (1):45–48, ???? 2010. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/1/45/2010/>. **Schroder:2010:DAJ**
- [Sch13] V. Schwach. Book re-
- [Schw13] **Schwach:2013:BRF**

- view: “*The Fluid Envelope of our Planet: How the Study of Ocean Currents Became a Science*”. *History of Geo- and Space Sciences*, 4(2):105–106, ???? 2013. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/4/105/2013/hgss-4-105-2013.pdf>. [Shc20]
- Schmidtke:2015:EUS**
- [Sch15] G. Schmidtke. Extreme ultraviolet spectral irradiance measurements since 1946. *History of Geo- and Space Sciences*, 6(1):3–22, ???? 2015. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/6/3/2015/>. [She17]
- Schlegel:2011:HGA**
- [SG11] K. Schlegel and G. Gregori. “Historian of geomagnetism and aeronomy”: Obituary — Dr. Wilfried Schröder. *History of Geo- and Space Sciences*, 2(1):83–84, ???? 2011. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/83/2011/>. [Sil12]
- Shcheglov:2018:LCP**
- [Shc18] Dmitry A. Shcheglov. The length of coastlines in Ptolemy’s *Geography* and in ancient periploi. *History of Geo- and Space Sciences*, 9(1):9–24, ???? 2018. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/9/2018/>.
- Shcheglov:2020:CPE**
- Dmitry A. Shcheglov. The configuration of the Pontus Euxinus in Ptolemy’s geography. *History of Geo- and Space Sciences*, 11(1):31–51, ???? 2020. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/11/31/2020/>.
- Sheeley:2017:OWS**
- Neil R. Sheeley, Jr. Origin of the Wang–Sheeley–Arge solar wind model. *History of Geo- and Space Sciences*, 8(1):21–28, ???? 2017. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/8/21/2017/>.
- Silverman:2012:BRH**
- S. Silverman. Book review: “*Harald Moltke — Painter of the Aurora*”. *History of Geo- and Space Sciences*, 3(1):127–129, ???? 2012. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/3/127/2012/>.

- net/3/127/2012/hgss-3-127-2012.pdf.
- [Sof15] **Soffel:2015:HMM**  
H. C. Soffel. History of the Munich–Maisach–Fürstenfeldbruck Geomagnetic Observatory. *History of Geo- and Space Sciences*, 6(2):65–86, ???? 2015. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/6/65/2015/>.
- [SL14] K. Schlegel and H. Lühr. Willy Stoffregen — an early pioneer of advanced ionospheric and auroral research. *History of Geo- and Space Sciences*, 5(2):149–154, ???? 2014. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/149/2014/>.
- [SS11] **Schlegel:2011:JCH**  
K. Schlegel and S. Silverman. Johann Christian Heuson, a little-known auroral scholar of the early 18th century. *History of Geo- and Space Sciences*, 2(2):89–95, ???? 2011. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/89/2011/>.
- [SL19] **Schweitzer:2019:IOP**  
Johannes Schweitzer and Thorne Lay. IASPEI: its origins and the promotion of global seismology. *History of Geo- and Space Sciences*, 10(1):173–180, ???? 2019. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/173/2019/>.
- [Sta11a] **Smallwood:2018:APV**  
John R. Smallwood. The attraction of the pyramids: virtual realization of Hutton’s suggestion to improve Maskelyne’s 1774 Earth density estimate. *History of Geo- and Space Sciences*, 9(1):1–7, ???? 2018. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/1/2018/>.
- [Sta11b] **Stauning:2011:DAS**  
P. Stauning. Danish auroral science history. *History of Geo- and Space Sciences*, 2(1):1–28, ???? 2011. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/1/2011/>. See comment [Jør11] and reply [Sta11b].
- Stauning:2011:RCD**  
P. Stauning. Reply to Comment on “Danish auroral science history” by P. Stauning

- in Hist. Geo Space Sci., **2**, 1–28, 2011. *History of Geo- and Space Sciences*, 2 (2):87, ???? 2011. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/2/87/2011/>. See [Sta11a, Jør11].
- Stauning:2011:HMN**
- [Sta11c] Peter Stauning. *Harald Moltke: nordlysets maler: Harald Moltkes malerier på Danmarks Meteorologiske Institut (Danish) Harald Moltke: painter of the aurora: Harald Moltke's paintings at the Danish Meteorological Institute*. Forlaget Epsilon.dk, Frederiksberg, Danmark, 2011. ISBN 87-993384-3-2. 216 pp. LCCN ND723.M55 S83 2011.
- Sudiro:2014:EET**
- [Sud14] P. Sudiro. The Earth expansion theory and its transition from scientific hypothesis to pseudoscientific belief. *History of Geo- and Space Sciences*, 5(1):135–148, ???? 2014. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/5/135/2014/>. See comment [Edw16].
- Smythe-Wright:2019:ITO**
- [SWGMP+19] Denise Smythe-Wright, W. John Gould, Trevor J. McDougall,
- Throne:2018:HAR**
- Stefania Sparnocchia, , and Philip L. Woodworth. IAPSO: tales from the ocean frontier. *History of Geo- and Space Sciences*, 10(1):137–150, ???? 2019. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/137/2019/>.
- Schroder:2010:GNG**
- [SWS10] W. Schröder, K.-H. Wiederkehr, and K. Schlegel. Georg von Neumayer and geomagnetic research. *History of Geo- and Space Sciences*, 1(2):77–87, ???? 2010. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/1/77/2010/>.
- Taylor:2010:BRN**
- [Tay10] K. L. Taylor. Book review: “*A Natural History of Time*”. *History of Geo- and Space Sciences*, 1(1):43–44, ???? 2010. CODEN ????. ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/1/43/2010/hgss-1-43-2010.pdf>.

- 141–156, ???? 2018. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/141/2018/>.
- Valiuskevicius:2017:SKC**
- [Val17] Gintaras Valiuskevicius. Steponas Kolupaila's contribution to hydrological science development. *History of Geo- and Space Sciences*, 8(2): 57–67, ???? 2017. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/8/57/2017/>. [WFB<sup>+</sup>19]
- Vaquero:2017:BLR**
- [Vaq17] José M. Vaquero. Ball lightning: a Renaissance account from Zafra (Spain). *History of Geo- and Space Sciences*, 8(1):53–56, ???? 2017. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/8/53/2017/>. [Wil15]
- Weiss:2016:HJI**
- [Wei16] J. Weiß. History of the Juliusruh ionospheric observatory on Rügen. *History of Geo- and Space Sciences*, 7(1):1–22, ???? 2016. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/7/1/2016/>. [Wil18]
- Woodman:2019:EHJ**
- Ronald F. Woodman, Donald T. Farley, Ben B. Balsley, , and Marco A. Milla. The early history of the Jicamarca Radio Observatory and the incoherent scatter technique. *History of Geo- and Space Sciences*, 10(2): 245–266, ???? 2019. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/10/245/2019/>.
- Wilkinson:2015:BRC**
- P. Wilkinson. Book review: *Cosmogenic Radionuclides: Theory and Applications in the Terrestrial and Space Environments*. *History of Geo- and Space Sciences*, 6(1):1–2, ???? 2015. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/6/1/2015/>.
- Wilkinson:2018:PHR**
- Phil Wilkinson. Preface: History of regional warning centers. *History of Geo- and Space Sciences*, 9(1):37, ???? 2018. CODEN ???? ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/37/2018/>.
- Wilkinson:2018:DAS**
- Phil Wilkinson, John A.
- [WKC18]

- Kennewell, and David Cole. The development of the Australian Space Forecast Centre (ASFC). *History of Geo- and Space Sciences*, 9(1):53–63, ???? 2018. CODEN ????, ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/53/2018/>.
- Woodworth:2020:TPM**
- [Woo20] Philip L. Woodworth. Tide prediction machines at the Liverpool Tidal Institute. *History of Geo- and Space Sciences*, 11(1):15–29, ???? 2020. CODEN ????, ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/11/15/2020/>.
- Woodworth:2018:TMJ**
- [WR18] Philip L. Woodworth and Glen H. Rowe. The tidal measurements of James Cook during the voyage of the Endeavour. *History of Geo- and Space Sciences*, 9(1):85–103, ???? 2018. CODEN ????, ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/85/2018/>.
- Zolesi:2018:RCA**
- [ZC18] Bruno Zolesi and Ljiljana R. Cander. The role of COST Actions in unifying the European ionospheric community in the transition be-
- tween the two millennia. *History of Geo- and Space Sciences*, 9(1):65–77, ???? 2018. CODEN ????, ISSN 2190-5010 (print), 2190-5029 (electronic). URL <https://www.hist-geo-space-sci.net/9/65/2018/>.