Albert D. Kollar

Carnegie Museum of Natural History

Section of Invertebrate Paleontology

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* Section Head and Collection Manager, Section of Invertebrate Paleontology.
* M.S. Geology and Invertebrate Paleontology, University of Pittsburgh.
* Architectural Historian of Carnegie Museum’s Building Stones.

Awards**:**

2020: Walt Skinner Award for Professional Service to the Pittsburgh Geological Society.

2019: GSIS Award for Best Guidebook (professional) *Geology of the Early Iron Industry in Fayette County, Pennsylvani*a - Geological Society of America.

2017:George V. Cohee Public Service Award - Eastern Section American Association Petroleum Geologists.

**Established Endowments For Section Research and Support:**

* Section of Invertebrate Paleontology Architecture and Building Stone Research.
* *Lauradanae* Fund for Collection Support

# Pittsburgh Geological Society (PGS):

* President (2011 – 2014).
* Board Member. Director At Large, 2004 – 2010, 2015 – Current.

# Professional Memberships:

* ASMOSIA (Association for the Study of Marble & Other Stones in Antiquity).
* SPIA Sauvegarde du Patrimoine Industriel d’Autrefols, Saint Quentin Sur-Isere, France.
* Pittsburgh Geological Society (PGS).
* American Association of Petroleum Geologists (AAPG).
* Geological Society of America (GSA).
* International Congress on the Carboniferous and Permian Stratigraphy.

# Brachiopods species and Trilobite Genus/Species Named For Kollar:

* **Brachiopods**. *Tomiproductus* ***kollari*,** Carter, 1990. *New Brachiopods (Brachiopoda: Articulata) from the Late Osagean of the Upper Mississippi Valley*. ACM 59.
* *Rhynchopora* ***kollari*,** new species, Carter, 1999. Tournaisian (Early Osagean) *Brachiopods from a Bioherm in the St. Joe Formation near Kenwood, Oklahoma*. ACM 68.
* **Trilobites**. ***Kollarcephalus***: new genus, Brezinski, 2000. *Lower Mississippian Trilobites from Southern New Mexico*. JOP 74.
* ***Kollarcephalus*** *granatai* n. genus and species, Brezinski, 2000
* ***Kollarcephalus*** *placida* (Vogdes, 1896), Brezinski, 2000.

# Peer Reviewed Journal Covers:

 2022: Harper and **Kollar**. Pennsylvania Geology, Vol. 52, No. 3. Geology of a Former Pleistocene Bog in Bridgeville, Allegheny County, Pennsylvania.

 2022: Brezinski and **Kollar**. Pennsylvania Geology, Vol. 52, No. 2. Cross-bedded Loyalhanna Limestone in the Keystone Lime quarry at Springs, Somerset County, PA.

 2020: **Kollar** et al. Annals of Carnegie Museum, Vol. 86, No. 3. Connemara Marble at the Carnegie Institute Extension.

 2019: Harper, **Kollar**, Hughes. Pennsylvania Geology, Vol. 49, No. 4. A large eurypterid walks out of a stream onto a sand bar in what will one day become Elk County, Pa.

 2015: Harper and **Kollar**. Pennsylvania Geology, Vol. 45, No. 2. Slab of sandstone from the Lock Haven Formation (Upper Devonian) of north-central Pennsylvania littered with natural internal and external molds of fossils, mostly elongate brachiopod *Cyrtospirifer chemungensis* (Conrad).

**French Newspaper Articles 2022, 2016.** Carnegie Museum Geologist’s research on Échaillon Limestone In Isere Dept, France, A Global Heritage Stone used in Architecture.

# Forthcoming Publications:

 Wilson J. L., **A. D. Kollar**, et al. *The Biography of Baron de Bayet of Brussels,*

 *Belgium Fossil Collection at the Carnegie Museum of Natural History.*

 **Kollar, A. D.,** et al. *The Baron de Bayet Fossil Collection at the Carnegie*

 *Museum of Natural History****.*** *Exhibition and Research.*

 **Kollar, A. D**. *The Échaillon Limestone and Hauteville Limestone of France in Architecture*.

 **Kollar, A. D**. and J. A. Harper. Great Fossil Discovers of Western Pennsylvania in CMNH.

**Baron de Bayet Fossil Collection Project**: 1. R. Lawley Pliocene fossils (Wilson et al.) 2. Bayet Catalog (Mills et al.) 3. F. Krantz (Kollar et al.) 4. F. Coppi of Italy (Kyshakevych, R. & A. D. Kollar).

# Publications on Carnegie Museum Collections, Geology, and Paleontology:

Harper, J. A., and **A. D. Kollar**. 2022. Geology of a Former Pleistocene Bog in Bridgeville, Allegheny County, Pennsylvania. Pennsylvania Geology, 52:3-12.

Brezinski, D. K. and **A.D. Kollar**. 2022. Utilization and Origin of the Loyalhanna Limestone (Chesterian, Upper Mississippian) in Southwestern Pennsylvania. Pennsylvania Geology, 52:3-14.

Brezinski, D. K. and **A.D. Kollar.** 2021. Geology of Jumonville Glen. *In* Geology of Ohiopyle State Park and the Laurel Highlands of Southwestern Pennsylvania. 85th Annual Field Conference of Pennsylvania Georgists (Eds. J. Shaulis, F. Pazzaglia, and S. Linberg, p. 159 -162.

Harper, J. A., and **A. D. Kollar**. 2021. Fayette County’s Pioneering Iron Industry. *In* Geology of Ohiopyle State Park and the Laurel Highlands of Southwestern Pennsylvania. 85th Annual Field Conference of Pennsylvania Georgists (Eds. J. Shaulis, F. Pazzaglia, and S. Linberg, p. 207 -228.

Brezinski, D. K., and **A. D. Kollar. 2021.** Fauna and Lithofacies of the Loyalhanna Limestone (Chesterian, Upper Mississippian) and their Implications for its Origin in the Appalachian Basin. Annals of Carnegie Museum, 87:139 – 156.

**Kollar, A.D.,** et al. 2020.Carnegie Institute Extension Connemara Marble: Cross-Atlantic Extension Cross-Atlantic Connections between Western Ireland and Gilded Age Architecture in Pittsburgh, Pennsylvania. ACM 86:207 – 253.

Dumont, T, SPIA (**Albert D. Kollar).** 2020.Échaillon stone from France: a Global Heritage Stone Resource proposal. Geological Society of London Special Publication No 486 "Global Heritage Stone: Worldwide Examples of Heritage Stones”.

Harper, J.A., **A.D. Kollar** and Kay Hughes. 2019. *Reflections on Palmichnium kosinskiorum-The Footprints of Pennsylvania’s Elusive Elk County Monster*. Pennsylvania Geology, 49: 3 – 11.

SPIA (**Albert D. Kollar**). 2019. *La pierre de l’Echaillon*. 209.

**Kollar, A.D**., and J.A. Harper. Pennsylvanian Climate-Driven Sedimentary Cycles with Emphasis on the Monongahela Formation. *In* Gross, M. A., Harper, J. A., and **Kollar, A.D.** 2019**.** *Geology and Archaeology of Meadowcroft Rockshelter and the Multiple Ice Ages of Southwestern Pennsylvania*. Guidebook Pittsburgh Geological Society Fall Field Trip, 67.

Feely, M., Derek H. Wilton, Alessandra Costanzo, **Albert D. Kollar**, Dylan J. Goudie and Ambrose Joyce. 2019. *Mineral Liberation Analysis and Scanning Electron Microscopy of Connemara Marble: New Mineral Distribution Maps of an Iconic Irish Gem Material*. The Journal of Gemmology, 36:456-466.

**Kollar, A.D**. 2018. *The Pentelic Marble of the Carnegie Museum of Art, Hall of Sculpture, Pittsburgh, Pennsylvania*, in ASMOSIA XI Interdisciplinary Studies of Ancient Stone, Proceedings of Eleventh International Conference of ASMOSIA, Split, 18-22 May 2015, 491-500.

Brezinski, D.K., and **A. D. Kollar**. 2018. *Origin of the Carnegie Quarry Sandstone (Morrison Formation), Jurassic) at Dinosaur National Monument, Jensen, Utah*. PALAIOS Emphasizing the Impact of Life on Earth’s History, 33:94 – 105.

Brezinski, D. K. and **Kollar, A.D**. 2016. *Reevaluation of the Age and Provenance of the Giant Palmichnium Kosinskiorum Eurypterid Trackway, from Elk County, Pennsylvania*. ACM 84:1-7.

Lucas, S.G., **Kollar, A. D**., Berman, D.S., Henrici, A.C. 2016**.** *Pelycosaurian-Grade (Amniota: Synapsida) Footprints from the Lower Permian Dunkard Group of Pennsylvania and West Virginia*. ACM, 83:287-294.

Harper, J. L., and **A.D. Kollar**. 2015. *Reflections on “Spirifer disjunctus”, a group of Late Devonian brachiopods useful for correlations in Pennsylvania*. Pennsylvania Geology, 45:11-21.

Carter, J.L. Brezinski, D.K. **A.D. Kollar**, Dutro, T. 2014. *Brachiopoda Taxonomy and Biostratigraphy of the Redwall Limestone (Lower Mississippian) of Arizona*. Annals of Carnegie Museum (ACM), 82:257 – 290.

Brezinski, D.K. and **A.D. Kollar**. 2011. *Pennsylvanian climatic events and their congruent biotic responses in the central Appalachian Basin*, in Ruffolo, R.M., and Ciampaglio, C.N., eds. From the Shield to the Sea: Geological Field Trips from the 2011 Joint Meeting of the GSA Northeastern and North-Central Sections: Geological Society of America Field Guide 20:45 – 60. **Field trip leader**.

Berman, D.S., A. C. Henrici**,** D. K. Brezinski, **A.D. Kollar.** 2010.  *A new Trematopid Amphibian (Temnospondyl: Dissorophoidea) from the upper Pennsylvanian of western Pennsylvania: Earliest record of terrestrial vertebrates responding to a warmer, drier climate*. ACM, 78, 289 – 318.

Brezinski, D.K. and **A.D. Kollar**. 2008. *Geology of the Carnegie Museum Dinosaur Quarry Site of Diplodocus Carnegii, Sheep Creek, Wyoming*. ACM, 77, 243 – 252.

Carter, J.L., **A.D. Kollar**, and D.K. Brezinski. 2008. *Earliest report of the genus Phyricodothyris (Brachiopoda: Reticulariodea) in North America*. ACM, 77, 253 – 257.

Brezinski, D.K., and **A.D. Kollar (presenter).** 2006. *Paleoenvironmental Significance of Invertebrate Faunas from the Late Mississippian Loyalhanna Formation of the North-Central Appalachians Basin*. Geological Society of America, Abstracts with Programs, Poster 47.

Brezinski, D.K., and **A.D. Kollar (presenter)**. 2002. *Recovery from Crisis during Crisis: Earliest Carboniferous Buildups of Missouri and Arkansas*. Geological Society of America Abstracts with Programs, Poster 24.

# Architecture, Geology, and Cultural History of Carnegie’s Building Stones:

 2022. **Kollar, A.D**. *The Échaillon Stone and Hauteville Limestone in World Architecture*.

 Abstract with Programs, ASMOSIA XIII, 13th International Congress, Wein, Austria September 2022, 83.

 2021. **Kollar, A. D**. The Carnegie Library of Pittsburgh (1895) and Carnegie Institute

 Extension: The Story of the Carnegie Building Stones and Architectural Design.

 **Invited Presentation** “Crash the Carnegie” 125th Anniversary Celebration.

2021**.**  **Kollar, A. D.** DE L’ÉCHAILLON À L’ANNEXE DU CARNEGIE DE INSTITUTE DE PITTSBURGH ÉCHAILLON Stone from France: A Global HéritageStone Meeting, Saint-Quentin-sur- Isère, France.

2020. **Kollar, A.D.,** et al. Carnegie Institute Extension Connemara Marble: Cross-Atlantic Extension Cross-Atlantic Connections between Western Ireland and Gilded Age Architecture in Pittsburgh, Pennsylvania. ACM 86: 207 – 253.

2020. Dumont, T, SPIA (**Albert D. Kollar).** Échaillon stone from France: a Global Heritage Stone Resource proposal. Geological Society of London Special Publication No 486 "Global Heritage Stone: Worldwide Examples of Heritage Stones”.

2019. Feely, M., Derek H. Wilton, Alessandra Costanzo, **Albert D. Kollar**, Dylan J. Goudie and Ambrose Joyce. 2019. *Mineral Liberation Analysis and Scanning Electron Microscopy of Connemara Marble: New Mineral Distribution Maps of an Iconic Irish Gem Material*. The Journal of Gemmology, 36, 456-466.

2018**. Kollar, A.D**. 2018. *The Pentelic Marble of the Carnegie Museum of Art, Hall of Sculpture, Pittsburgh, Pennsylvania*, in ASMOSIA XI Interdisciplinary Studies of Ancient Stone, Proceedings of Eleventh International Conference of ASMOSIA, Split, 18-22 May 2015, 491-500.

2018**. Kollar, A. D**. 2018. *The Breche Sanguine Marble from Algeria in the Carnegie Museum Pittsburgh, Pennsylvania, U.S.A*. Abstract with Programs. ASMOSIA XII **A**ssociation for the **S**tudy of **M**arble & **O**ther **S**tones **I**n **A**ntiquity International Congress. 8 – 14 October,2018, Izmir, Turkey. 77.

2018**. Kollar, A. D.,** R. Fedosick, and K. Hughes. 2018. [*The Signature Dimension Stones Used by Longfellow, Alden and Harlow, Architects – In Classical Pittsburgh Architecture from 1887 - 1910* **(Invited Presentation**)](https://gsa.confex.com/gsa/2018AM/webprogram/Paper320435.html). Geological Society of America, Abstracts with Programs, v. 50, 201.

2018**. Kollar A.D.,** K. Hughes**,** and R. Fedosick. 2018. *A Review of Pittsburgh Stones and Architecture Styles from 1764 – 1938*. Geological Society of America, Abstracts with Programs, v. 50, 201.

2017**. Kollar, A.D**., M. Feely, A.M. Joyce Jr., R. Fedosick, K. Hughes. 2017. *The Industrial Archaeology of the Connemara Marble: Cross-Atlantic Connections between Western Ireland and the Carnegie Museum of Natural History, Pittsburgh, Pennsylvania*. Geological Society of America Abstracts with Programs, Pittsburgh, v. 49, 44.

2015**. Kollar, A.D.** 2015. *The Pentellic Marble of the Carnegie Museum of Pittsburgh, Pennsylvania U.S.A*. Abstracts ASMOSIA XI, **A**ssociation for the **S**tudy of **M**arble & **O**ther **S**tones **I**n **A**ntiquity, International Conference, Split, Croatia, 18-22 May.

# Architecture and Building Stones Blogs:

<https://carnegiemnh.org/125th-anniversary-carnegie-library-of-pittsburgh-outdoor-walking-tour/>

<https://carnegiemnh.org/carnegie-museum-grand-staircase/>

<https://carnegiemnh.org/carnegies-water-fountains/>

<https://carnegiemnh.org/facing-outward-looking-ahead-richard-serras-carnegie-as-part-of-an-125-year-legacy-of-architecture-and-outdoor-sculpture/>

# IP Collection Blogs:

Vincett, W., and **A.D. Kollar**. *Fossil on display in DITT - Lyme Regis, England Jurassic age fossils*. Virtual Exhibit

Mary Anning:  [https://carnegiemnh.org/mary-anning-for-the-love-of-the-blue-lias/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fmary-anning-for-the-love-of-the-blue-lias%2f&c=E,1,oYZDMggTNcakXeAYgOEYMjis_mt75P1ajM5EMcIwd4vEk_2WgIrOb0sLDDMQUqE1JNPU37wlX6oEztQQMavqmYvdLLTnQaybtH35JaJNlQL7P6Gp&typo=1)

**Major Young:**  [https://carnegiemnh.org/a-century-ago-a-donor-walked-into-the-carnegie-museum/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fa-century-ago-a-donor-walked-into-the-carnegie-museum%2f&c=E,1,RzzVouOiljmgINwHidZ-PSoMEN11N9MAmvMTEtzTQzUEo7of-V-HesKAMe3CvGDVJgIygb9SvGCP471kJZbaRG_bKrnS5Yd9h5g3aRcoi-Zwh56fYNsD2d9JJg0,&typo=1)

**Smoking Fossils**:  [https://carnegiemnh.org/smoking-fossils/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fsmoking-fossils%2f&c=E,1,DnTcohZ4Vd6_jCJumnLGQOjgeUx-wnq0Ey-6rDj5uKKWAYX7-v9hbqoVO-N2dMMN2jxwd2VR5Cmd2Y02nwgR9A8TS3EaMdgxVUaTeFuZsgDC0f53bwnn-yfnVA,,&typo=1)

**Graham Netting**. [https://carnegiemnh.org/from-collector-to-director/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2ffrom-collector-to-director%2f&c=E,1,jdJnypylhrxs6EWF1O63Ca8aWXykY9hnnXi1UpmwRyMrOCePKPAA8Km_Dejst_bne158Xk5cOYXJJvk4YSMNRBwfBbWWnUt7rliaaWCG&typo=1)

**Bayet Intro:**  1st Bayet. <https://carnegiemnh.org/bayets-bounty-invertebrates/> [https://carnegiemnh.org/bayets-bounty-invertebrates/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fbayets-bounty-invertebrates%2f&c=E,1,OoLKUx6vWVsdi4QRFBI0Npnm3W9fIdVGGebA8jQ2BbtP_obx4RhVqxP2Wpe0ojPmSSRnu_VfJyXNOw5_HnXVeXjQ0s1ysCxlO16P3rTf_0b9hdutsLGHHlTiZ84,&typo=1)

[https://carnegiemnh.org/meet-the-mysterious-mr-ernest-bayet/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fmeet-the-mysterious-mr-ernest-bayet%2f&c=E,1,HhPxrgPZ7a5DDMPJ0UA-61FhtyB95-DGqguduK0TAMVNPQG4kuaECVpl8y1_Dj_HmaFOjiohs6YolsXrAIpnGFGjQwOf29eUCJaIDOnVbHIyoQ,,&typo=1)

 **Bayet-Stilwell Series**

Part 1:  [https://carnegiemnh.org/behind-the-scenes-with-the-baron-de-bayet-and-l-w-stilwell-collection-part-1-crossing-the-atlantic-with-a-boatload-of-fossils/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fbehind-the-scenes-with-the-baron-de-bayet-and-l-w-stilwell-collection-part-1-crossing-the-atlantic-with-a-boatload-of-fossils%2f&c=E,1,51ahVt79NXIXVyS9w8GlMYV3GAsTipojGPd6d9mLvOiBE0uCFo9R6z9tmNJD9qAOMge7PlbIoXlek6R36dXDYfS_g3a48TdCE1nWqTyT&typo=1)

Part 2:  [https://carnegiemnh.org/bayet-deadwood-wild-west/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fbayet-deadwood-wild-west%2f&c=E,1,vfdcUj_5xcRLlBk_F2PSSunuWm71oxJokxgi5H9dd8ua-gbwJBApb0GbSbBPqoKc07EZAkCm2455xVsJCqssy_Z6Phmp_g7_GYfyt5AV69GIHtpRRekf26c0&typo=1)

Part 3:  [https://carnegiemnh.org/badlands-bayet-stilwell-collection/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fbadlands-bayet-stilwell-collection%2f&c=E,1,w1ZYQQK73RhwjKNPnUVPRG0aFBdafaXsnGl7L_v5AWgmhFAxOS5b4q3f-H2Ue3-Lteqhv7lisDhdbvDFlIcVxh9SOgEXHq5Bk4D4kkYTohFQUa4cDxM,&typo=1)

Part 4:  [https://carnegiemnh.org/behind-the-scenes-with-the-baron-de-bayet-and-l-w-stilwell-collection-part-4-buying-and-selling-fossils-in-the-19th-century/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fbehind-the-scenes-with-the-baron-de-bayet-and-l-w-stilwell-collection-part-4-buying-and-selling-fossils-in-the-19th-century%2f&c=E,1,AnbCjzdHtBTzhTfR_J6UAgGeEaUNy39-ySl_-Jln6Hmeo8eNEneTClZaxWjVJ3vr-2Vme6XZyXy8tR1zTnJ4HZneiY6a7xONV6GSFhHTIpC9Y9jJXKMYQrAzJw,,&typo=1)

[https://carnegiemnh.org/student-of-the-world-stearns-and-bayet/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fstudent-of-the-world-stearns-and-bayet%2f&c=E,1,V9Bl2tY1xLbavcJH8JjLKYXVnpTc3vjf_5R19pN7GyY4tU-5_bcbkW4YHlOg_TDPnkaDL-JyNzF7iOxryvQxBRPWv-MiNIS72Rq4EojqZfU,&typo=1)

[https://carnegiemnh.org/century-old-fossil-mystery-stearns-and-bayet/](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcarnegiemnh.org%2fcentury-old-fossil-mystery-stearns-and-bayet%2f&c=E,1,voP54dk4hQfiABEgbt9vhiPggsfIcxGjWehjdITp8Ltzx0QGtUY_yjY04BqrQcTz26dAq_UdnPd3dC5z8mwn_f2kjqcD12wZH0jbbRbm5_q0xA,,&typo=1)

<https://carnegiemnh.org/bayet-and-krantz-16-words-part-1/>

<https://carnegiemnh.org/meet-the-mysterious-mr-ernest-bayet/>

[https://www.thesciencewriter.org/uncharted/baron-bayet-fossil-collection](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fwww.thesciencewriter.org%2funcharted%2fbaron-bayet-fossil-collection&c=E,1,MuwhUjup1wzs7J-QYaYRNmqjSAbbJzRIzp68obX1jmGo9nei-1knZD5LO6AePwec1t1tpgeUo5dLlkwgaRgM4P2ePuZSHg-iyJ4HSezYGEk5&typo=1)

Carnegie’s Fossil Fuels Exhibits. <https://carnegiemnh.org/understanding-fossil-fuels-through-carnegie-museums-exhibits/>

To Cross A Bridge. <https://carnegiemnh.org/to-cross-a-bridge-fern-hollow-bridge-in-pittsburgh-a-geology-story/>

Yellowstone Geology:

Dineen. P. <https://carnegiemnh.org/finding-answers-from-museum-to-mountains-and-back-again/>

# Landscape Paintings, Geology, and Climate:

2018**. Kollar, A.D**. 2018. “*How Geology and Climate Influenced the Landscape Paintings of John Kane”.* Presented to the Squirrel Hill Historical Society.

2018. Wendel, J. 2018. *A Window into the Emerging Anthropocene...Through Art*. Excerpts from **Kollar** and Hughes presentation at the Geological Society of America Anthropocene Symposium. EOS.org Earth and Space News, April 99, 15 – 17.

2017**. Kollar, A.D**., and K. Hughes. 2017. *Geology of the Landscape Paintings at the Carnegie Museum of Art, A Reflection of the “*Anthropocene”, 1860 to 2017. Geological Society of America, Abstracts with Programs, v. 49, 243.

2016**. Kollar, A.D**. 2016. *How Geology and Climate Change Influenced the Pittsburgh Landscape Paintings of William C. Wall, Russell, and John Kane*. Museum and More A Presentation to the Patrons of the Carnegie Museum of Pittsburgh.

2015**. Kollar, A.D**. 2015. *Geology and John Kane Landscapes and Climate*. Presented to Museum of Art Docents.

2010**. Kollar, A.D.,** and D.K. Brezinski. 2010*. Geology, Landscapes and John Kane’s Landscape Paintings*. PA*l*S Publication 10, 5.

# Regional Field Guides and Poster:

2022. **Kollar, A.D**. Co-leader. IRIS Field Trip Jumonville Glen National Park Battlefield Park, June 13, 2022.

2021. **Kollar, A. D**. Co-leader. Guidebook for the 85th Annual Field Conference of Pennsylvania Geologists October 7-9, 2021. Geology of Ohiopyle State Park-and the Laurel Highlands of Southwestern Pennsylvania Editor Robin Anthony, Pennsylvania Geological Survey, Pittsburgh, Pennsylvania.

2019**. Kollar, A.D**. 2019. *New Geology Along the Montour Trail Guide* issued on-line.

2019. Gross, M. A., Harper, J. A., and **Kollar, A.D.** 2019**.** *Geology and Archaeology of Meadowcroft Rockshelter and the Multiple Ice Ages of Southwestern Pennsylvania*. Guidebook Pittsburgh Geological Society Fall Field Trip.

2019**. Kollar, A.D**., and D. A. Billman. 2019. *The Last Ice Age in Western Pennsylvania: A Changing Climate as Seen in the Glacial Landscapes*. Guidebook Pennsylvania Council of Professional Geologists.

2018. Harper, J.A., and **A.D. Kollar**. 2018. *Geology of the Early Iron Industry in Fayette County, Pennsylvania*. Pittsburgh Geological Society Field Trip. Awarded **Best Professional Guidebook 2019** by Geological Society of America.

2015. **Kollar, A.D.,** Harper, J.A., David Cale. 2015. *Karst, caves, and Chestnut Ridge. Geology of the Laurel Caverns Area, Fayette CO., Pennsylvania*. PA*l*S Field Trip, PA*l*S Publication 20.

2014**. Kollar, A.D**., Harper, J.A., Norman L. Samways. 2014. *Geology and History of Ironmaking in Western Pennsylvania*. PA*l*S Publication 19.

2011. Brezinski, D.K. and **Kollar, A.D.** 2011.*Pennsylvania climatic events and their congruent biotic responses in the central Appalachian Basin*. The Geological Society of America Field Guide 20.

2009. Brezinski, D. K., and **A.D. Kollar**. 2009. *Geology of North Park*. In cooperation with Allegheny County Park Department and RAD. 5.

2008. **Kollar, A.D.** 2008. *Tales of the French and Indian War during 1758: Forbes Road from Fort Bedford to Pittsburgh*: Pittsburgh Geological Society, 30p.

2004. Brezinski, D.K., and **A.D. Kollar**. 2004. *Lewis and Clark Expedition 1803 – 1806. Geology, Invertebrate Paleontology, and the Lewis and Clark Trail*. Poster and Seminar, National Park Signature Event, St. Charles, Mo.

# Co-Founder: PA*l*S (Patrons and Lauradanae Supporters) a Geology and Paleontology Outreach Program with Publications.

# PA*l*S Guides of Regional Geology, Cultural History and Fossil Climate Change:

Number 21. Harper, J. A. 2016. *The Geological Evolution of Pittsburgh’s Three Rivers*. PA*l*S Publication 21, 5.

Number 20. **Kollar, A.D**., Harper, J.A., and D. Cale. 2015. *Karst, caves, and Chestnut Ridge. Geology of the Laurel Caverns Area, Fayette CO., Pennsylvania*. PA*l*S Field Trip, PA*l*S Publication 20.

 Number 19. **Kollar, A. D**., Harper, J. A., and N.L. Samways. 2014. Geology and History of ironmaking in western Pennsylvania. Field Trip Guidebook, PA*l*S Publication 19, 31.

Number 18. Brezinski, D.K., and C. K. Brezinski. 2014. *Geology of Pennsylvania’s Coal*. PA*l*S Publication 18, 5.

Number 17. Brezinski, D. K., and **A.D. Kollar**. 2014. *PAlS Climate Scavenger Hunt*. PA*l*S Publication 17, 5.

Number 16. Samways, N. L., J. A. Harper, **A.D., Kollar**, and D. J. Vater. 2014. *Geology and History of Ironmaking in Western Pennsylvania.* PA*l*S Publication 16, 5.

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