

Trilobite Hall of Fame: Best of the Best

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Acadoparadoxides levisettii [H.o.F.]

Acadoparadoxides levisettii Geyer & Vincent, 2015

Middle Cambrian, Series 3, Agdzian Regional Stage

Jebel Warwmast Formation, Bèche à Micmacca Member, Morocconus notabilis biozone

Jebel Ougnate, near Tarhoucht, Eastern Anti-Atlas, Morocco

23 cm

* This is the actual specimen of *Acadoparadoxides levi-setti* once owned by Professor Levi-Setti.

Lower specimen: 20 cm





***Acidaspis cincinnatiensis* [H.o.F.]**

Acidaspis cincinnatiensis (Meek, 1873)

Orodovician

Kope Formation

Pendelton County, KY, U.S.A.

5 cm

One of the most elegant trilobite species ever to emerge from the American Midwest



***Albertella longwelli* [H.o.F.]**

Albertella longwelli (Palmer & Halley, 1979)

Middle Cambrian

Carrara Formation

Pahrump, Nevada, U.S.A.

8 cm

This is among the largest, best-preserved examples of this exotic trilobite.



Ameura missouriensis [H.o.F.]

Ameura missouriensis (Shumard, 1860)

Late Pennsylvanian (Missouri age)

Shawnee Formation, Doniphan Shale bed of Lecompton limestone member

Missouri

3 cm

Perhaps the premier specimen ever found of this super-rare species... from late in the trilobite evolutionary line.



Amphilichas cornutus [H.o.F.]

Amphilichas cornutus (Clarke, 1894)
Middle Ordovician
Rust Formation, Trenton Group
Walcott - Rust Quarry
Trenton Falls, New York, U.S.A.
6 cm

Lower image: 6 cm



Image courtesy of Martin Shugar

Only a scant few complete examples of this type have been pulled from the Walcott-Rust quarry's Ordovician rocks.



Asaphopsoides yongshunensis [H.o.F.]

Asaphopsoides yongshunensis (Liu, 1982)

Lower Ordovician, Tremadocian

Yinchufu Series

Yongshun, Hunan Province, China

16 cm

A fantastically preserved example of this large Ordovician trilo-type from China.



Asaphus kowalewskii [H.o.F.]

Asaphus kowalewskii Lawrow, 1856
Middle Ordovician, Middle Llanvirnian
Middle Aseri Regional Stage
Duboviki Formation
Volkhov River, St. Petersburg region, Russia
7.5 cm

This bizarre Russian species features eyes perched atop two-inch stalks.





Balizoma cf. variolaris [H.o.F.]

Balizoma cf. variolaris (Brongniart, 1822)
Middle Silurian, Wenlockian Stage, Homerian Substage
Much Wenlock Limestone Formation
Wren's Nest Hill, Dudley, West Midlands, England
4.2 cm

A magnificent, large example from the famed Dudley outcrops of England.



Boedaspis ensifer [H.o.F.]

Boedaspis ensifer (Whittington and Bohlin, 1960)

Lower Ordovician

Volkhovian Level Formation

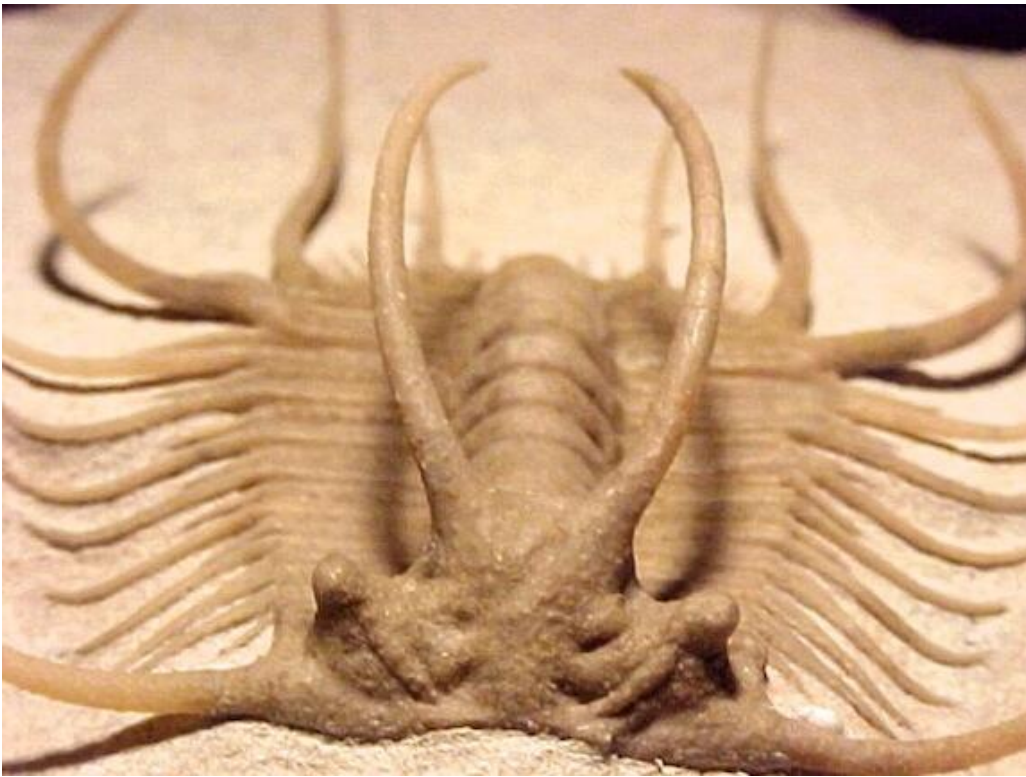
Putilovo Quarry,

St. Petersburg Region, Russia

2.8 cm

Considered by many to be one of the most dramatic trilobites in the world.







Bouleia dagincourti [H.o.F.]

Bouleia dagincourti (Ulrich, 1892)

Devonian

Belen Formation

La Paz, Bolivia

3 cm

An incredible positive/negative split of this rare Bolivian type.



Bristolia insolens [H.o.F.]

Bristolia insolens (Resser, 1928)
Lower Cambrian
Latham Shale Formation
San Bernadino County, CA, U.S.A.
7 cm

One of the oldest... and rarest... of all trilobites - from the Lower Cambrian layers of California.



Bumastus barriensis [H.o F.]

Bumastus barriensis Murchison, 1839

Lower Silurian

Rochester Shale Formation

Caleb's Quarry, Middleport, New York, U.S.A.

3.0 cm

A perfect specimen of this cosmopolitan Silurian species.



Calymene blumenbachii [H.o.F.]

Calymene blumenbachii Desmarest, 1817
Middle Silurian, Upper Wenlockian Stage
Much Wenlock Limestone Formation,
Wren's Nest Hill, Dudley, West Midlands, England
5.5 cm

The legendary “Dudley Locust” of the English midlands.

Lower image: 3.5 cm



Lowest image: 8.3 cm





Celmus barrandei [H.o.F.]

Celmus barrandei (Volborth, 1858)

Middle Ordovician

Asery Level Formation

Volchov river, St. Petersburg region, Russia

2 cm

A perfectly preserved, ultra-rare trilobite from the Ordovician of Russia.



Ceraurinus marginatus [H.o.F.]

Ceraurinus marginatus (Barton, 1913)

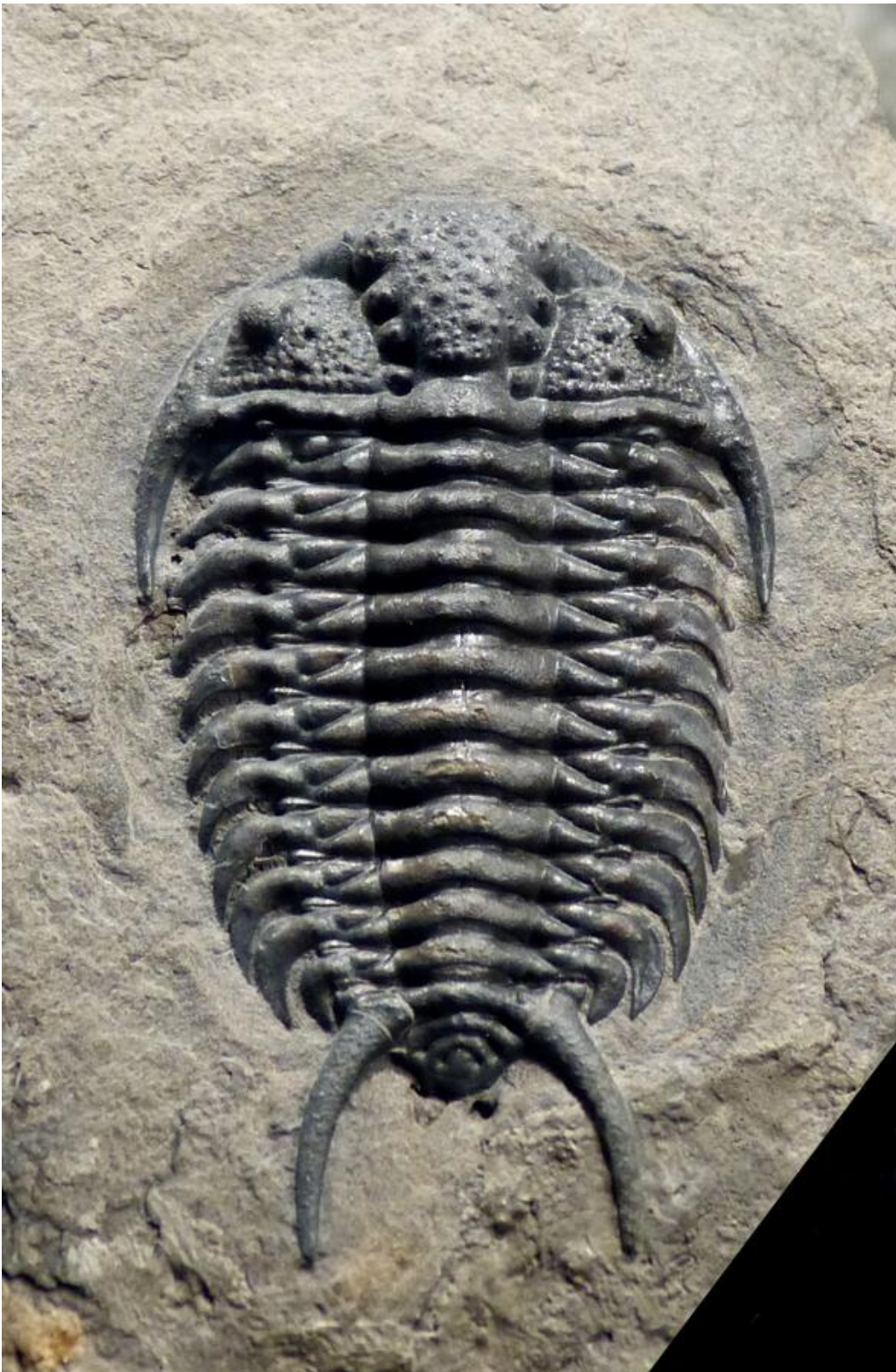
Upper Ordovician

Cobourg Formation

Colborne, Ontario, Canada

9 cm

One of the largest and most 3-D examples of this hallowed Canadian species.



Ceraurus sp. [H.o.F.]

Ceraurus sp.

Middle Ordovician

Rust Formation, Trenton group

Walcott - Rust Quarry

Trenton Falls, New York, U.S.A.

4.6 cm

A rare and detailed specimen from the Ordovician of New York.



Ctenocephalus cf. terranovicus [H.o.F.]

Ctenocephalus cf. terranovicus (Resser, 1937)
Middle Cambrian
Chamberlains Brook Formation, Adeyton Group
Manuels, Newfoundland, Canada
2.3 cm

A prime example from the famed Manuels River outcrops of Newfoundland.



Damesella paronai [H.o.F.]

Damesella paronai (Airaghi, 1902)

Middle Cambrian

Zhangxia Formation

Shandong Province, North China

11.5 cm

Incredible free-standing preparation highlights this rare Asian species.



Deiphon barrandei

Deiphon barrandei Whittard, 1934

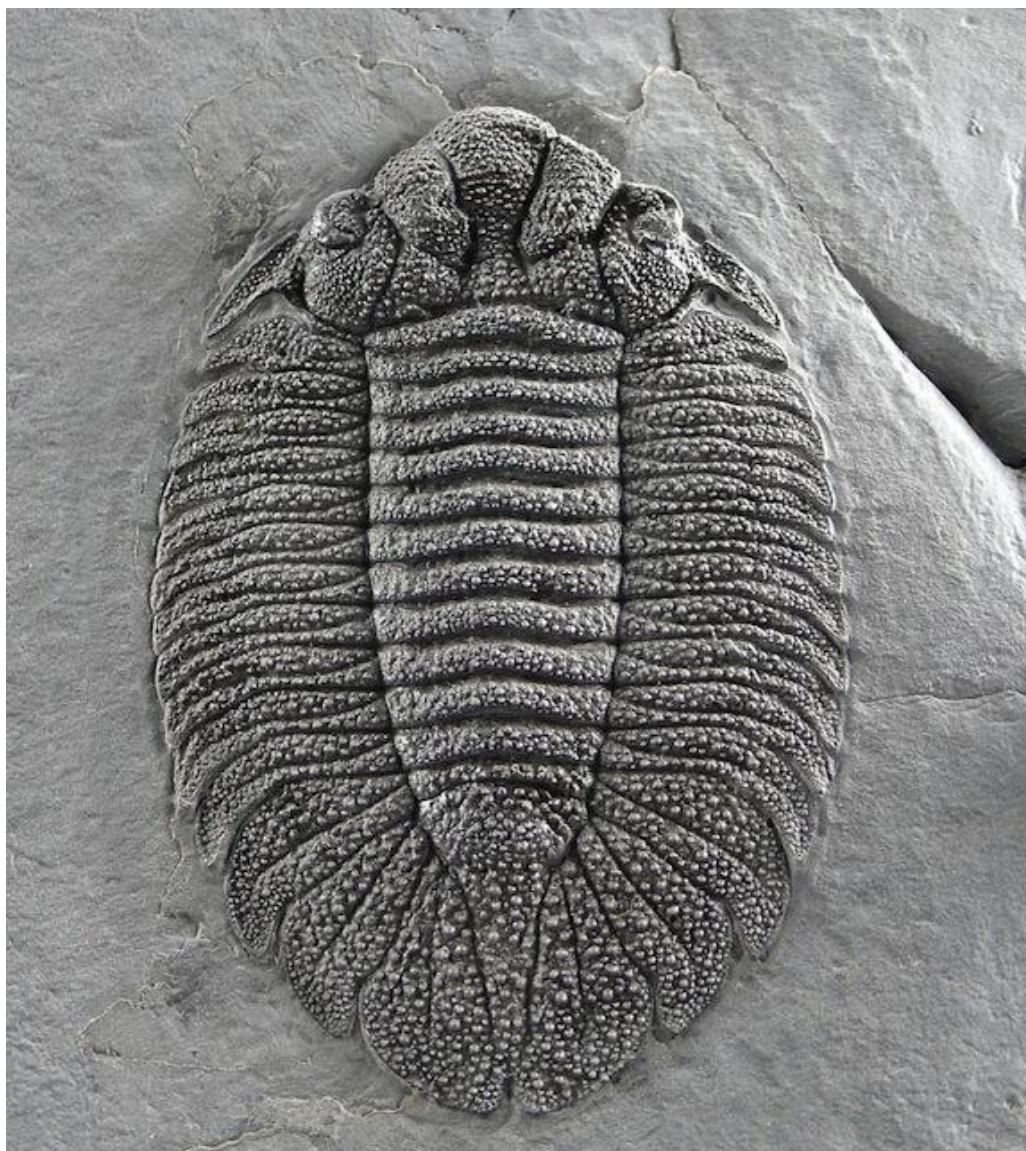
Middle Silurian, Upper Wenlockian Stage, Homerian Sub-stage

Much Wenlock Limestone Formation

Wren's Nest Hill, Dudley, West Midlands, England

3.5 cm

A superb example of the "Crown jewel" of Dudley trilobites.



Dicranopeltis nereus [H.o.F.]

Dicranopeltis nereus (Hall, 1863)

Lower Silurian

Rochester Shale Formation

Caleb's Quarry,

Middleport, New York, U.S.A.

7.5 cm

The finest example yet found of this outstanding lichid.



Dicranurus hamatus elegantus [H.o.F.]

Dicranurus hamatus elegantus (Campbell, 1977)

Lower Devonian

Haragan Formation

Coal County, Oklahoma, U.S.A.

10 cm

The easily recognizable “ram’s horn” trilobite from Oklahoma has a “sister” species in Morocco.



Didrepanon barrowi [H.o.F.]

Didrepanon barrowi (Lane, 1971)
Late Silurian
Bannisdale Slate Formation
White Howe, Southern Lake District
Cumbria, England
18 cm

One of the largest Cheirurid trilobites ever found in Europe.



Dikelocephalus minnesotensis [H.o.F.]

Dikelocephalus minnesotensis Owen, 1852

Upper Cambrian

St. Lawrence Formation

Sauk County, Wisconsin, U.S.A.

12 cm

This unique Ordovician specimen was on display at the Smithsonian for 25 years.



Ectenaspis homanolotoides [H.o.F.]

Ectenaspis homanolotoides (Raymond, 1920)

Upper Ordovician

Bobcaygeon Formation

Brechin, Ontario, Canada

16 cm

A nearly perfect example of this streamlined species.



Eldredgeops milleri [H.o.F.]

Eldredgeops milleri (Stewart, 1927)
Middle Devonian, Givetian
Silica Formation
Milan, Michigan, U.S.A.
Largest trilobite 7 cm

This is a wonderful “colony” of these legendary Midwestern phacopid trilobites.



Encrinurus egani [H.o.F.]

Encrinurus egani (Miller, 1880)

Silurian

Niagran Group

Lemont, Illinois, U.S.A.

4 cm

Here is a stalk-eyed wonder from the Silurian of Illinois.



Erbenochile erbeni [H.o.F.]

Erbenochile erbeni (Alberti, 1981)

Devonian

Timrharrhart Formation

Jebel Issomour, Morocco

6 cm

A perfect example of this monster-eyed Devonian species from Morocco.



Gabriceraurus sp. [H.o.F.]

Gabriceraurus sp.
Upper Ordovician
Verulam Formation
Hastings County, Ontario, Canada
9 cm

Here is a curious and still-undescribed subspecies of this large Ordovician trilobite.



Gabriellus kierorum [H.o.F.]

Gabriellus kierorum (Corbacho and Lopez-Soriano, 2013)

Lower Cambrian

Rosella Formation, Atan Group

Dease River, northern British Columbia, Canada

7 cm

A wonderful Lower Cambrian example showing just how dramatic trilobites appeared very early in their evolutionary growth.

Lower image: 11.25 cm

This specimen demonstrates, on the right posterior thoracic segments, what may be among the first examples of predation/regeneration in the fossil record.



Andy



Hemiarges paulianus [H.o.F.]

Hemiarges paulianus (Clarke, 1894)

Ordovician

Verulam Formation

Ontario, Canada

3.5 cm

One of the finest examples of this rare lichid species from Ontario.



Hungioides bohemicus arouquensis [H.o.F.]

Hungioides bohemicus arouquensis (Thadeu, 1956)

Lower Ordovician
Valongo Formation
Portugal
41 cm

Only a handful of complete examples have ever been found of this huge Ordovician trilo-type.



Hypodicranotus striatulus [H.o.F.]

Hypodicranotus striatulus (Walcott, 1875)

Middle Ordovician

Rust Formation, Trenton Group

Walcott - Rust Quarry

Trenton Falls, New York, U.S.A.

3.5 cm

Perhaps the strangest trilobite ever found in the Ordovician layers of New York.



Isotelus maximus [H.o.F.]

Isotelus maximus Locke, 1838
Upper Ordovician
Richmond Formation, Arnheim Member
Mount Orab, Brown County, Ohio, U.S.A.
22 cm

A well-preserved example of the State Fossil of Ohio.



Megistaspidella acuticauda [H.o.F.]

Megistaspidella acuticauda (Angelin, 1854)

Middle Ordovician

Huk formation, Lysaker member

Slemmestad (near Oslo), Norway

8.5 cm

A needle-nosed asaphid species from Norway.



Meneviella venulosa [H.o.F]

Meneviella venulosa (Salter in Hicks, 1872)
Middle Cambrian
St. David's series
Waterfall Valley, Maentwrog, Gwynedd County
Wales, United Kingdom
10.7 cm

Note: A superb example of an exceedingly rare trilobite



Metopolichas breviceps [H.o.F.]

Metopolichas breviceps (Hall, 1864)

Silurian

Waldron Shale

Shelby County, Indiana, U.S.A.

6 cm

The only complete example known of this Silurian species from Indiana.



Metopolichas cf. platyrhinus [H.o.F.]

Metopolichas cf. platyrhinus (Schmidt, 1907)

Late Middle Ordovician

Elnes Formation

Norway

7 cm

One of the most unusual trilobite species, featuring a spatula-like rostrum.



Metopolichas huebneri [H.o.F.]

Metopolichas huebneri (Eichwald, 1843)
Middle Ordovician, Lower Llandeilian
Lasnamägi Regional Stage
Porogi Formation
Vilpovitsky quarry, St. Petersburg region, Russia
12 cm

A “monster” sized example of this rare Ordovician species.

Lower image: 5 cm





***Novakella copei* [H.o.F.]**

Novakella copei Fortey & Owens, 1987
Middle Ordovician, lower Llanvirnian Series, Abereiddian Stage
Hope Shales
Near Minstrely, Shropshire, England
12.2 cm

This is perhaps the largest complete cyclopygid trilobite ever found.



Odontocephalus ageria [H.o.F.]

Odontocephalus ageria (Hall, 1861)

Middle Devonian

Onondaga Limestone

Needmore Shale member

Perry Co, Pennsylvania, U.S.A.

10 cm

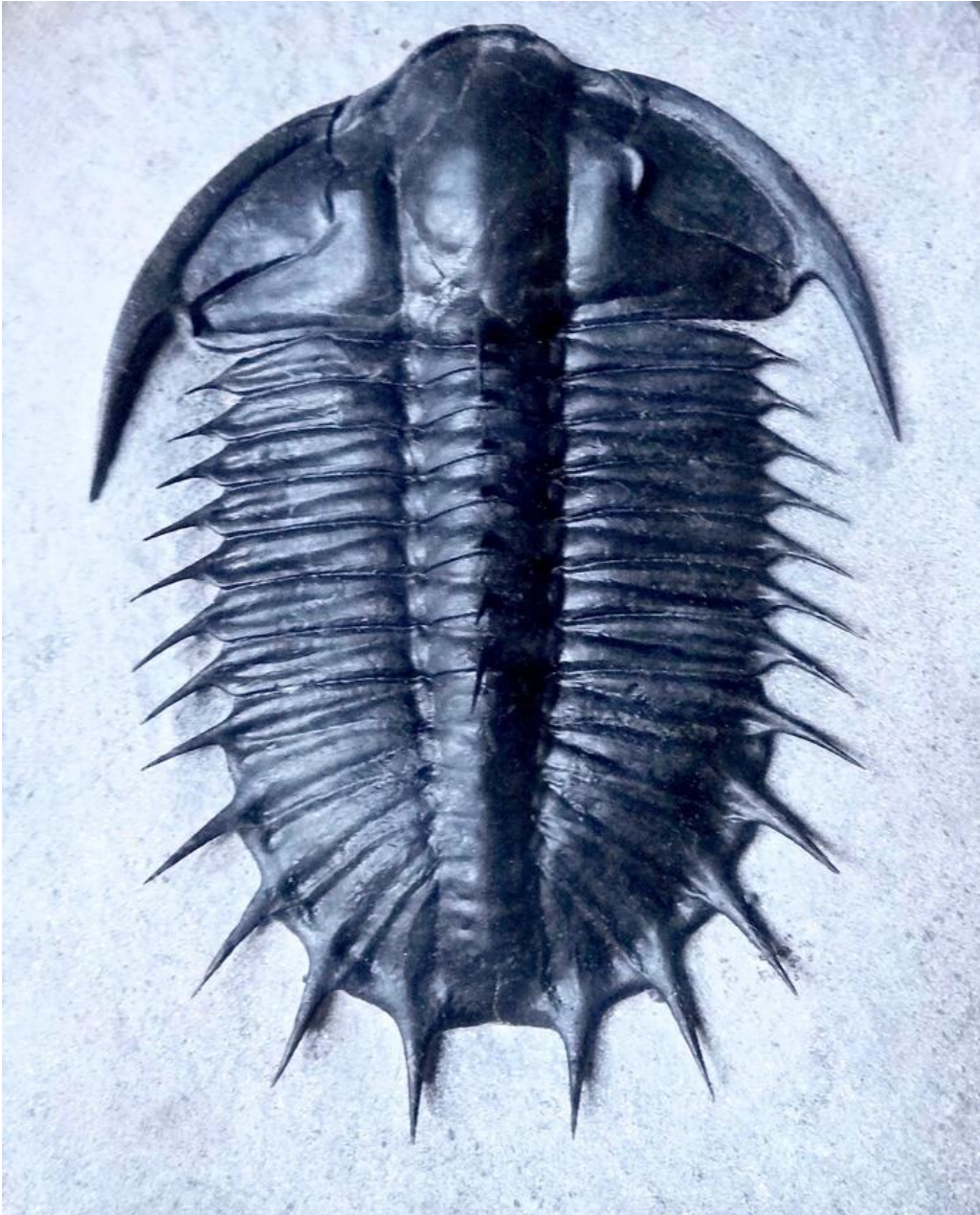
The distinctive “cow catcher” off the cephalon marks this famous species from the Devonian of Pennsylvania.



Ogygiocarella angustissima [H.o.F.]

Ogygiocarella angustissima (Salter, 1865)
Lower Ordovician, Llanvirnian Stage
Llanfawr Mudstones Formation, teretiusculus Biozone.
Pencerrig Lake, near Builth Wells, Powys, Wales.
7.5 cm

This species was the very first scientifically described trilobite, all the way back in 1698.



Olenoides superbus [H.o.F.]

Olenoides superbus (Walcott)
Middle Cambrian
Marjum Formation, House Range
Millard County, Utah, U.S.A.
12 cm

A dramatically prepared example of this unusual Middle Cambrian trilo-type.

Lower specimen: 15 cm





Orygmaspis (Parabolinoides) contracta [H.o.F.]

Orygmaspis (Parabolinoides) contracta Frederickson, 1949
Upper Cambrian, Furongian
McKay Group, Taenicephalus Zone, Parabolinoides sub zone
Cranbrook, British Columbia, Canada
6 cm

This elegant specimen from British Columbia features a small bite mark on the left mid thorax.



Paraceraurus aculeatus [H.o.F.]

Paraceraurus aculeatus (Eichwald, 1857)

Upper Ordovician, Caradocian

Kukruse Regional Stage

Viivikonna Formation

Alekseevka quarry, St. Petersburg region, Russia

10 cm







Paraceraurus exsul [H.o.F.]

Paraceraurus exsul (Beyrich, 1846)

Middle Ordovician

Asery Level Formation

Vilpovitsky Quarry, St. Petersburg Region, Russia

16.0 cm

Perhaps the largest species of this world-wide genus.



Paradoxides davidis trapezopyge [H.o.F.]

Paradoxides davidis trapezopyge Bergström & Levi-Setti 1978

Middle Cambrian

Manuels River Formation

Manuels River, Newfoundland, Canada

22 cm

A beautiful example from Newfoundland, which when compared to similar types in England, Morocco and Sweden, helps explain Plate Tectonics.



Paradoxides davidis [H.o.F.]

Paradoxides davidis Salter, 1863
Middle Cambrian
St. David's Group, Davidis zone
Porth-y-rhaw, St. David's, Pembrokeshire, Wales, U.K.
23 cm

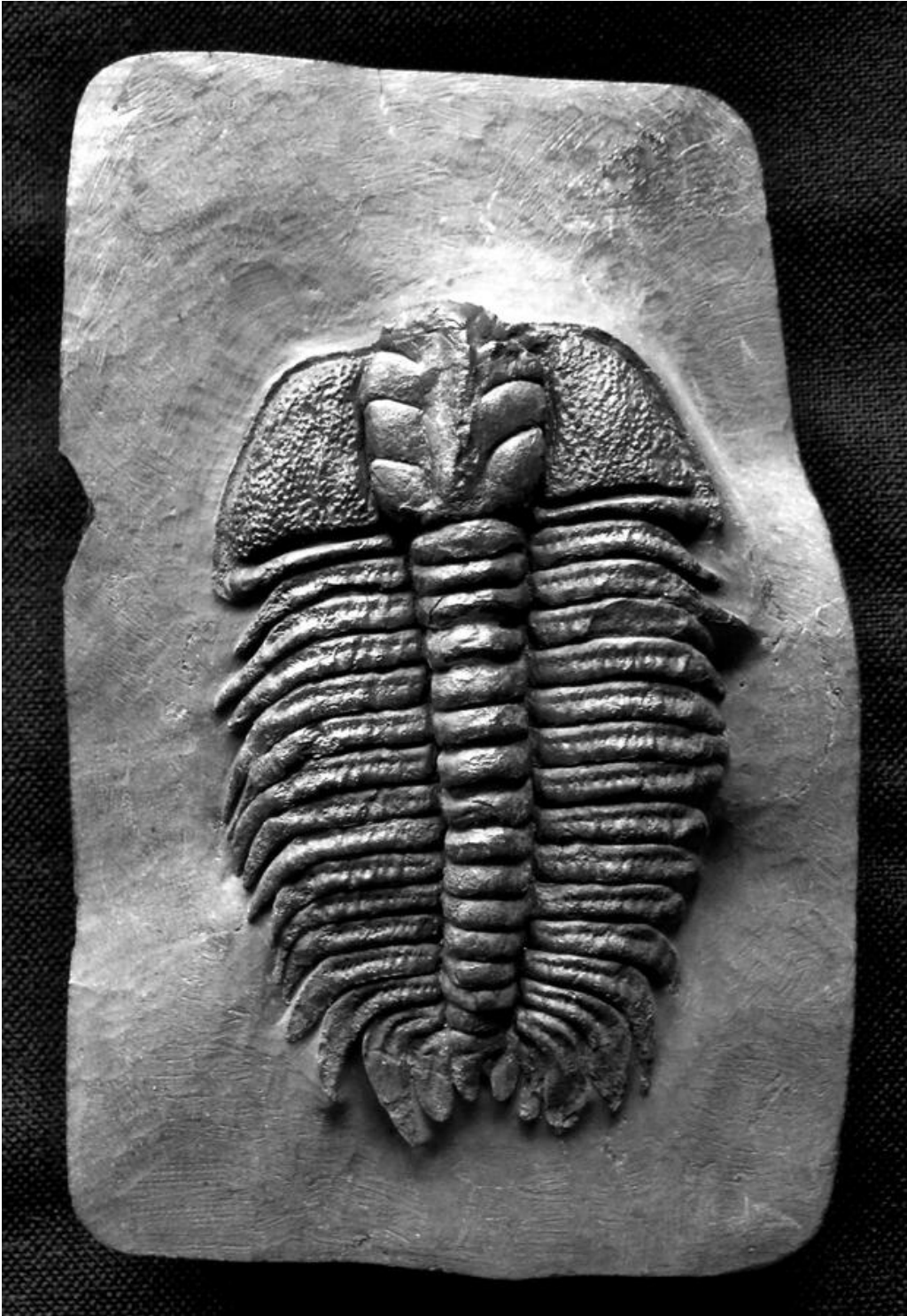
One of the best examples of this rare species from the Middle Cambrian of England.



Paradoxides sp. [H.o.F.]

Paradoxides sp.
Middle Cambrian
Jamtland, Sweden
25 cm

One of the largest examples of this species ever found in the Middle Cambrian rocks of Sweden.



Placoparina sedgewickii sedgewickii [H.o.F.]

Placoparina sedgewickii sedgewickii (McCoy, 1849)

Middle Ordovician, Llanvirn series, Llandeilian Stage, teretiusculus Biozone

Llan-ffawr Mudstone Group

Pencerrig, Builth Inlier, Wales

8 cm

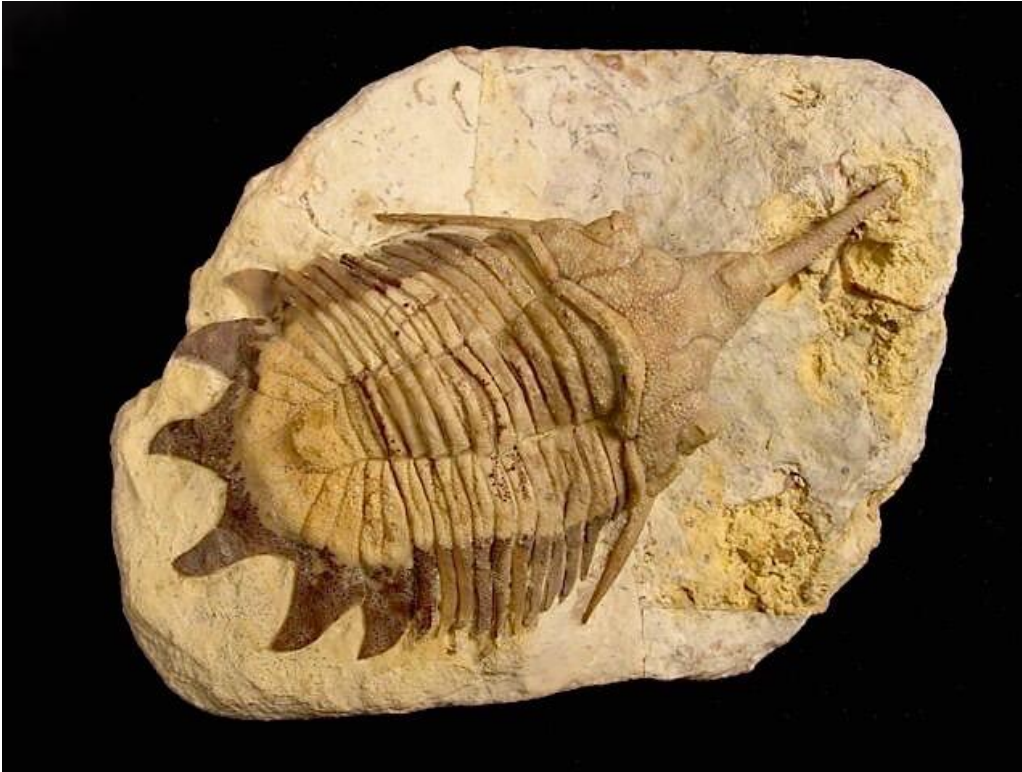
A large and nearly perfect example of this rare species.



Placoparina sedgwicki shelvensis [H.o.F.]

Placoparina sedgwicki (McCoy, 1849) **shelvensis** (Hughes, 1969)
Middle Ordovician, Lower Llanvirn Series, Abereiddian Stage
Shelve Formation, Hope Shale Member, artus Biozone
Whitsburn, Shropshire, England
5 cm

Beautiful and crisp preservation distinguishes this English specimen.



Probolichas kristiae [H.o.F.]

Probolichas kristiae Carlucci, Westrop, Amati, 2010
Upper Ordovician
Bromide Formation, Pooleville Member
Arbuckle Mountains, Oklahoma, U.S.A.
9 cm

One of the rarest and strangest trilobites in the world.



Pseudomera cf. barrandei [H.o.F.]

Pseudomera cf. barrandei (Billings, 1865)
Middle Ordovician
Antelope Valley Limestone
Nye County, Nevada
9 cm

A magnificent, large and exceedingly rare trilobite from the Ordovician of Nevada.



Pudoproetus fernglenensis [H.o.F.]

Pudoproetus fernglenensis (Weller, 1909)

Lower Mississippian
Lake Valley Formation
New Mexico, U.S.A.
6 cm

A well-preserved proetid from near the end of the trilobites' long run through Deep Time.



Quadrops flexuosa [H.o.F.]

Quadrops flexuosa (Morzadec, 2001)

Devonian

El Oufal Formation,

Jebel Oufatène, Morocco

7.5 cm

A smattering of free-standing spines – along with a strange rostral projection --distinguish this Devonian type from Morocco.



Radiaspis sp. [H.o.F.]

Radiaspis sp.

Middle Devonian, Eifelian
Bou Tchrafine Formation
Jorf, near Erfoud, Morocco
5.8 cm

Note: Exquisitely prepped example of an exceedingly rare trilobite.



Raymondites spiniger [H.o.F.]

Raymondite spiniger (Hall, 1847)

Upper Ordovician

Bobcaygeon Formation

Brechin, Ontario, Canada

4.3 cm

This is perhaps the best-preserved example of this unusual Ordovician species.



Scotoharpes spasskii [H.o.F.]

Scotoharpes spasskii (Eichwald, 1840)

Middle Ordovician

Asery Level Formation

Vilpovitsky Quarry, St. Petersburg region, Russia

2.5 cm

Some think the cephalic design of this Ordovician trilobite resembles a futuristic spaceship.



Toxochasmops (Toxochasmops) bissetti [H.o.F.]

Toxochasmops (Toxochasmops) bissetti (Reed, 1906)

Upper Ordovician

South Threave Formation, Farden Member, 'Starfish Bed'

Lady Burn, near Girvan, Ayrshire, Scotland

7.5 cm

A superb large example of this rare species.



Trimerus (Trimerus) delphinocephalus [H.o.F]

Trimerus (Trimerus) delphinocephalus Green, 1932
Middle Silurian, Upper Wenlockian Stage, Homerian Sub-stage
Much Wenlock Limestone Formation
Stores cavern, Castle Hill, Dudley, West Midlands, England
13.7 cm

An excellent large example of this classic rare Dudley trilobite.