

OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

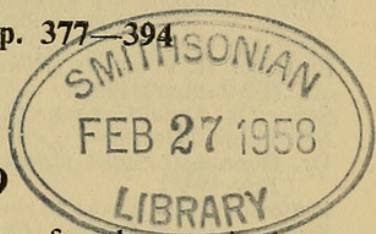
Edited by

FRANCIS HEMMING, C.M.G., C.B.E.
Secretary to the Commission

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OPINION 499

Designation under the Plenary Powers for the nominal genus *Protopeltura* Brögger, 1882, of a type species in harmony with accustomed usage and validation under the same Powers of the emendation to *Peltura* of the generic name *Peltoura* Milne Edwards (H.), 1840 (Class Trilobita)



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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 499

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Vice-President : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

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(Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)

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Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum V Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)

OPINION 499

DESIGNATION UNDER THE PLENARY POWERS FOR THE
NOMINAL GENUS "PROTOPELTURA" BRÖGGER,
1882, OF A TYPE SPECIES IN HARMONY WITH
ACCUSTOMED USAGE AND VALIDATION
UNDER THE SAME POWERS OF THE
EMENDATION TO "PELTURA" OF THE
GENERIC NAME "PELTOURA" MILNE
EDWARDS (H.), 1840 (CLASS
TRILOBITA)

RULING :—(1) The following action is hereby taken
under the Plenary Powers :—

(a) All designations, indications and selections of type
species for the genus *Protopeltura* Brögger, 1882
(Class Trilobita) made prior to the present Ruling
are hereby set aside and the nominal species
Peltura praecursor Westergaard, 1909, is hereby
designated to be the type species of the above
genus.

(b) The emendation to *Peltura* of the generic name
Peltoura Milne Edwards (H.), 1840 (Class Tri-
lobita), is hereby validated.

(2) The under-mentioned generic names are hereby
placed on the *Official List of Generic Names in Zoology*
with the Name Numbers severally specified below :—

(a) *Protopeltura* Brögger, 1882 (gender : feminine)
(type species, by designation under the Plenary
Powers in (1)(a) above : *Peltura praecursor*
Westergaard, 1909) (Name No. 1242) ;

(b) *Peltura* (emend. under the Plenary Powers in (1)(b)
above of *Peltoura*) Milne Edwards (H.), 1840
(gender : feminine) (type species by selection by
Corda (A.J.C.) (1847) : *Entomostracites scarabae-
oides* Wahlenberg, [1821]) (Name No. 1243).

(3) The under-mentioned specific names are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified below :—

- (a) *praecursor* Westergaard, 1909, as published in the combination *Peltura praecursor* (specific name of type species of *Protopeltura* Brögger, 1882) (Name No. 1468) ;
- (b) *acanthurus* Angelin, 1854, as published in the combination *Olenus? acanthurus* (Name No. 1469) ;
- (c) *scarabaeoides* Wahlenberg, [1821], as published in the combination *Entomostracites scarabaeoides* (specific name of type species of *Peltura* (emend. of *Peltoura*) Milne Edwards (H.), 1840) (Name No. 1470) ;
- (d) *bucklandii* Milne Edwards (H.), 1840, as published in the combination *Peltura* [sic] *bucklandii* (Name No. 1471).

(4) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name No. 1096 :—

Peltoura Milne Edwards (H.), 1840 (an Invalid Original Spelling for *Peltura*, spelling validated under the Plenary Powers in (1)(b) above).

(5) The under-mentioned family-group name is hereby placed on the *Official List of Family-Group Names in Zoology* with the Name No. 205 :—

PELTURINAE (correction of PELTURIDES) Corda (A.J.C.), 1847 (type genus : *Peltura* (emend. of *Peltoura*) Milne Edwards (H.), 1840).

(6) The under-mentioned family-group name is hereby placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* with the Name No. 237:—

PELTURIDES Corda (A.J.C.), 1847 (an Invalid Original Spelling for PELTURINAE).

I. THE STATEMENT OF THE CASE

On 13th October 1955, Dr. Gunnar Henningsmoen (*Paleontologisk Museum, Universitet i Oslo, Norway*) submitted to the International Commission on Zoological Nomenclature the following application for the use of the Plenary Powers for the designation for the genus *Protopeltura* Brögger, 1882 (Class Trilobita) of a type species in harmony with accustomed usage:—

Proposed use of the Plenary Powers to designate a type species in harmony with accustomed usage for the genus "Protopeltura" Brögger, 1882 (Class Trilobita), a genus based upon a misidentified type species

By GUNNAR HENNINGSMOEN

(*Paleontologisk Museum, Universitetet i Oslo, Norway*)

The object of the present application is to ask the International Commission on Zoological Nomenclature to use its Plenary Powers to designate a type species in harmony with accustomed usage for the genus *Protopeltura* Brögger, 1882 (Class Trilobita) in order to avoid the confusion which would result from the application of the normal provisions of the *Règles*. *Protopeltura* Brögger is a genus based upon a misidentified type species and the Commission is asked to deal with this name under the special procedure prescribed for cases of this kind by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 158—159), as modified in certain minor respects by the Fourteenth International Congress of Zoology, Copenhagen, 1953 (1953, *Copenhagen Decisions zool. Nomencl.* : 68, Decision 128). The facts of the present case are set out briefly below.

2. *Protopeltura* was erected by Brögger in 1882 (: 105) as a subgenus of *Peltoura* Milne Edwards, 1840. This subgenus was based by Brögger on Norwegian material which he misidentified with the nominal species *Olenus ? acanthurus* Angelin, 1854 (: 44). This was the only nominal species cited by Brögger as belonging to *Protopeltura*.

3. Moberg & Möller (1898 : 265) were the first to point out that Brögger's material did not belong to the *Olenus ? acanthurus* of Angelin and that Angelin's species was referable to the genus *Parabolina* Salter, 1849.

4. In 1909 (: 48) Westergaard gave the name *Peltura praecursor* to the species which Brögger had misidentified as *Olenus ? acanthurus* Angelin. At this time Westergaard considered *Protopeltura* Brögger to be a synonym of *Peltoura* Milne Edwards. Later (1922 : 168) Westergaard accepted *Protopeltura* as a distinct genus with *Peltura praecursor* Westergaard as type species. This arrangement has been accepted by later workers and is now the general practice. At the present time several other species are regarded as belonging to *Protopeltura* Brögger.

5. In order to avoid the unnecessary and pointless name-changing which would result if the normal provisions of the *Règles* were to be applied in the present case and if in consequence it were necessary to sink the name *Protopeltura* Brögger, 1882, as a junior subjective synonym of *Parabolina* Salter, 1849, I now ask the International Commission on Zoological Nomenclature :—

- (1) under the procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948, for determining the type species of a genus based upon a misidentified type species, (a) to use its Plenary Powers to set aside all designations, indications or selections of a type species of *Protopeltura* Brögger, 1882, made prior to the Ruling now asked for, and (b), having done so, to designate *Peltura praecursor* Westergaard, 1909, to be the type species of the above genus ;
- (2) to place the under-mentioned generic name on the *Official List of Generic Names in Zoology* :—*Protopeltura* Brögger, 1882 (gender : feminine) (type species, by designation under the Plenary Powers under (1)(b) above : *Peltura praecursor* Westergaard, 1909) ;
- (3) to place the under-mentioned specific names on the *Official List of Specific Names in Zoology* :—
 - (a) *acanthurus* Angelin, 1854, as published in the combination *Olenus ? acanthurus* ;

- (b) *praecursor* Westergaard, 1909, as published in the combination *Peltura praecursor* (specific name of *Protopeltura* Brögger, 1882, by designation under the Plenary Powers as proposed in (1) above).

References

- Angelin, N. P., 1854. *Palaeontologia Scandinavica*. P. I. Crustacea Formationis Transitionis. Lipsiae (Lundae).
- Brögger, W. C., 1882. Die Silurischen Etagen 2 und 3 im Kristiania-gebiet und auf Eker. Universitätsprogramm für 2. Sem. 1882. Kristiania.
- Moberg, J. C. & Möller H., 1898. Om Acerocarezonen. *Geol. Fören. Förhandl.*, 20 Stockholm.
- Salter, J. W., 1849. Figures and Descriptions illustrative of British Organic Remains. Dec. 2. *Mem. Geol. Surv. U.K.* London.
- Westergaard, A. H., 1909. Studier öfver Dictyograptusskiffern och dess gränslager. *Lunds Univ. Årsskr.* (n.s.) (Afd. 2) 5 (No. 3) Lund.
- , 1922. Sveriges Olenidskiffer. *Sveriges geol. unders.*, Ser. Ca, no. 18. Stockholm.

II. THE SUBSEQUENT HISTORY OF THE CASE

2. Registration of the present application : Upon the receipt of Dr. Henningsmoen's application the question of the designation of a type species in harmony with accustomed usage for the genus *Protopeltura* Brögger, 1882 (Class Trilobita) was allotted the Registered Number Z.N.(S.) 1034.

3. Publication of the present application : The present application was sent to the printer on 30th November 1955 and was published on 9th June 1956 in Part 1 of Volume 12 of the *Bulletin of Zoological Nomenclature* (Henningsmoen, 1956, *Bull. zool. Nomencl.* 12 : 31—32).

4. Issue of Public Notices : Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* **4** : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 9th June 1956 (a) in Part 1 of Volume 12 of the *Bulletin of Zoological Nomenclature* (the Part in which Dr. Henningsmoen's application was published) and (b) to the other prescribed serial publications. In addition such Notice was given to four general zoological serial publications and to three palaeontological serials in Europe and America.

5. Support received : The publication of the present application and the issue of the Public Notices specified in paragraph 4 above elicited notes of support from two specialists C. J. Stubblefield (*London*) and H. B. Whittington (*Cambridge, Mass.*). Dr. Whittington's communication is reproduced in paragraph 6 below. The communication received from Dr. Stubblefield in which was put forward a supplementary application for the validation of the emendation to *Peltura* of the generic name *Peltoura* Milne Edwards (H.), 1840, is reproduced in paragraph 7 below.

6. Support received from H. B. Whittington (Museum of Comparative Zoology at Harvard College, Cambridge, Mass., U.S.A.) : On 30th July 1956, Dr. H. B. Whittington (*Museum of Comparative Zoology at Harvard College, Cambridge, Mass., U.S.A.*) addressed a letter to the Office of the Commission in support of several cases recently published in the *Bulletin of Zoological Nomenclature*. His remarks concerning the present application are as follows (Whittington, 1956, *Bull. zool. Nomencl.* **12** : 253) :—

I write to express my support for the following proposals :—*Protopeltura*

I believe the action suggested in each case will be welcome and will promote stability in nomenclature.

7. Support for the present application and submission of a supplementary application for the emendation to "Peltura" of the generic name "Peltoura" Milne Edwards (H.), 1840, received from C. J. Stubblefield (Geological Survey and Museum, London) : On 20th June 1956, Dr. C. J. Stubblefield (*Geological Survey and Museum, London*) submitted to the International Commission the following note in which, after supporting the application submitted by Dr. Henningsmoen, he proceeded to submit a supplementary application for the validation under the Plenary Powers of the emendation to *Peltura* of the generic name *Peltoura* Milne Edwards (H.), 1840 :—

Support for Gunnar Henningsmoen's proposal to designate a type species in harmony with accustomed usage for the genus "Proto-peltura" Brögger, 1882 and request for the validation under the Plenary Powers of the emendation to "Peltura" of "Peltoura" Milne Edwards (H.), 1840 (Class Trilobita)

By C. J. STUBBLEFIELD, D.Sc., F.R.S.

(*Geological Survey and Museum, London*)

Whilst supporting the case proposed by Cand. Real. G. Henningsmoen, I consider that the opportunity ought also to be utilized so that the International Commission on Zoological Nomenclature be requested to exercise its Plenary Powers for the purpose of validating, on grounds of over a hundred years' universal usage, the familiar spelling-emendation of the generic name *Peltoura* Milne Edwards (H.), 1840, to *Peltura* first made by Burmeister (H.), 1843 (*Die Organisation der Trilobiten*, Berlin : 83). It is admittedly not clear whether Burmeister's 1843 emendation was deliberate or a misprint. Corda (A.J.C.), however, in 1847 (*in* Hawle, I. and Corda, A.J.C., *Prodrom einer Monographie der böhmischen Trilobiten* : 127), unlike Burmeister, recognised the genus as valid and spelt its name in the form *Peltura* ; he selected as the type species *Paradoxides* [recte *Entomostracites*] *scarabaeoides* Milne Edwards [recte Wahlenberg, 1821] and gave a new illustration.

2. The genus *Peltoura* was described by Milne Edwards (H.) in 1840 (*Hist. nat. Crustacés . . . 3* : 344) as being based on two species *Entomostracites scarabaeoides* Wahlenberg [1821] ("Petrificata Telluris Svecanae . . .," *Nova Acta Soc. Sci. upsal.* 8 : 41) and *Peltoura bucklandii* Milne Edwards. The latter species, *P. bucklandii*, was removed from the genus *Peltura* on taxonomic grounds. For the sake of completeness

it is desirable however that the specific name *bucklandii* Milne Edwards should now be placed on the *Official List*.

3. It is consistent practice among trilobite workers to refer the generic name *Peltura* to Milne Edwards. Stability in spelling is desirable not only for palaeontological use but also for stratigraphy, for the name *Peltura* is used by stratigraphers for zonal index fossils of the Upper Cambrian in north-west Europe and eastern Canada.

4. I accordingly ask that, when it deals with Dr. Henningsmoen's application, the International Commission on Zoological Nomenclature should :—

(1) use its Plenary Powers to validate the emendation by Burmeister (H.) (1843) to *Peltura* of the generic name *Peltoura* Milne Edwards (H.), 1840 ;

(2) place the under-mentioned generic name on the *Official List of Generic Names in Zoology* :—

Peltura (emend. under the Plenary Powers under (1) above of *Peltoura*) Milne Edwards (H.), 1840 (gender : feminine) (type species, by selection by Corda (A.J.C.) (1847) : *Entomostracites scarabaeoides* Wahlenberg, [1821]) ;

(3) place the under-mentioned specific names on the *Official List of Specific Names in Zoology* :—

(a) *scarabaeoides* Wahlenberg, [1821], as published in the combination *Entomostracites scarabaeoides* (specific name of type species of *Peltura* (emend. of *Peltoura*) Milne Edwards (H.), 1840) ;

(b) *bucklandii* Milne Edwards (H.), 1840, as published in the combination *Peltura* (emend. of *Peltoura*) *bucklandii* ;

(4) place the under-mentioned generic name on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—*Peltoura* Milne Edwards (H.), 1840 (an Invalid Original Spelling for *Peltura*, a spelling validated under the Plenary Powers under (1) above).

8. Publication of C. J. Stubblefield's application for the validation of the emendation to " *Peltura* " of the generic name " *Peltoura* " Milne Edwards (H.), 1840 : Dr. Stubblefield's supplementary application for the validation under the Plenary Powers of the emendation to *Peltura* of the generic name *Peltoura* Milne

Edwards (H.), 1840, was published on 28th September 1956 (Stubblefield, 1956, *Bull. zool. Nomencl.* **12** : 252—253).

9. Issue of Public Notices relating to the Supplementary Application submitted by C. J. Stubblefield (London) : Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* **4** : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the supplementary application was given on 28th September 1956 (a) in Part 9 of Volume 12 of the *Bulletin of Zoological Nomenclature* (the Part in which Dr. Stubblefield's supplementary application was published) and (b) to the other prescribed serial publications. In addition such Notice was given to four general zoological serial publications and to three palaeontological serials in Europe and America.

10. Support received from Christian Poulsen (Copenhagen) (i) for Gunnar Henningsmoen's original application and (ii) for the Supplementary Application submitted by C. J. Stubblefield : Letters of support were received in the Office of the Commission from Professor Christian Poulsen (*Universitetets Mineralogisk-Geologiske Institut, Mineralogisk Museum, Copenhagen*) both for Dr. Henningsmoen's original application (letter 5th October 1956) and for Dr. Stubblefield's Supplementary Application (letter dated 30th October 1956). The communications so received were as follows (Poulsen, 1956, *Bull. zool. Nomencl.* **12** : 319):—

(a) Letter dated 5th October 1956

I heartily support the application made by Dr. G. Henningsmoen regarding designation of a type species for *Protopeltura* Brögger, 1882 (Class Trilobita), and I highly recommend the procedure proposed in connection with this application.

(b) Letter dated 30th October 1956

This letter is written in order to inform the International Commission that I fully support Dr. C. J. Stubblefield's request for the validation

under the Plenary Powers of the emendation to *Peltura* of *Peltoura* Milne Edwards (H.), 1840 (Class Trilobita), and that I highly recommend the other actions proposed in connection with this matter.

11. Support for C. J. Stubblefield's Supplementary Application received from R. Tripp (Glasgow) : On 16th December 1956, Mr. R. Tripp (*Glasgow*) sent the following note to the Office of the Commission in support of Dr. Stubblefield's supplementary application in the present case (Tripp, 1957, *Bull. zool. Nomencl.* 13 : 72) :—

I strongly support Dr. Stubblefield's request that the specific name *bucklandii* Milne Edwards should be placed on the *Official List of Specific Names in Zoology*, despite the fact that McCoy, F., rejected *P. bucklandii* in 1851 (*Systematic description of the British Palaeozoic fossils in the Geological Museum of the University of Cambridge*, Fasc. 1 : 151) as a name "given to an unintelligible figure, without description of any of the essential parts", a view followed by subsequent authors. In my opinion, however, Milne Edwards's description and illustration are adequate to define the species.

12. No Objection Received : No objection to the action recommended respectively by Dr. Henningsmoen and by Dr. Stubblefield in the present case was received from any source.

13. Extension of the Prescribed Waiting Period in respect of the application in regard to the generic name "Protopeltura" Brögger, 1882, submitted by Gunnar Henningsmoen : At the close on 9th December 1956 of the period of six months following the publication in Part 1 of Volume 12 of the *Bulletin of Zoological Nomenclature* of the application in regard to the generic name *Peltopeltura* Brögger, 1882, submitted by Dr. Gunnar Henningsmoen, Mr. Hemming, as Secretary, executed a Minute extending the Prescribed Waiting Period in respect of the foregoing application to 28th March 1957, thus securing that the said Period and that in respect of the supplementary application in regard to the proposed validation of the emendation to *Peltura* of the generic name *Peltoura* Milne Edwards (H.), 1840, submitted by Dr. C. J. Stubblefield should terminate on the same day. The adoption

of this procedure made it possible for both the original application and the supplementary application to be submitted to the Commission simultaneously for decision.

III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

14. Issue of Voting Paper V.P.(57)32 : On 4th April 1957 a Voting Paper (V.P.(57)32) was issued in which the Members of the Commission were invited to vote either for, or against, "the proposal relating to names *Protopeltura* Brögger, 1882, and *Peltura* Milne Edwards (H.), 1840 (Class Trilobita) as set out in Points (1) to (3) in paragraph 5 on page 32 of Volume 12 of the *Bulletin of Zoological Nomenclature* [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Opinion*] and as supplemented in Points (1) to (4) in paragraph 4 on page 253 of the same volume" [i.e. in the paragraph numbered as above in the paper reproduced in paragraph 7 of the present *Opinion*].

15. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 4th July, 1957.

16. Particulars of the Voting on Voting Paper V.P.(57)32 : At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(57)32 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-five (25) Commissioners (arranged in the order in which Votes were received) :*

Hering ; Vokes ; Lemche ; Prantl ; Bonnet ; Esaki ; Hankó ; Holthuis ; Boschma ; Jaczewski ; Dymond ; Bodenheimer ; Tortonese ; Key ; do Amaral ; Riley ; Hemming ; Bradley (J.C.) ; Stoll ; Mertens ; Sylvester-Bradley ; Cabrera ; Mayr ; Kühnelt ; Miller ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

17. Declaration of Result of Vote : On 5th July 1957, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(57)32, signed a Certificate that the Votes cast were as set out in paragraph 16 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

18. Family-Group-Name Problems Involved : On 24th September 1957, Mr. Hemming as Secretary executed the following Minute giving directions as to the action to be taken in regard to the family-group-name problems involved in the present case, a matter which through some inadvertence had not been dealt with either in the application submitted by Dr. Henningsmoen and/or in the supplementary application submitted by Dr. Stubblefield :—

Family-group-name implications arising in connection with the
generic names "**Protopeltura**" Brögger, 1882, and
"**Peltura**" Milne Edwards (H.), 1840
(Class Trilobita)

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

When recently I re-examined the documentation associated with Dr. G. Henningsmoen's application regarding the generic name *Protopeltura* Brögger, 1882 (Class Trilobita) and the supplementary application for the acceptance of the emendation to *Peltura* of the

generic name *Peltoura* Milne Edwards (H.), 1840 subsequently submitted by Dr. C. J. Stubblefield, I found to my regret that the family-group-name implications arising in connection with the above generic names had been overlooked when the foregoing proposals were originally under consideration.

2. In view of the fact that the foregoing is a matter which under the "Completeness-of-Opinions" Rule must be dealt with in the Ruling to be given in the *Opinion* embodying the decisions in regard to the above applications taken by the Commission in its vote on Voting Paper V.P.(57)32, I immediately applied for information and advice to Dr. C. J. Stubblefield, one of the applicants in the present case. Dr. Stubblefield's reply is attached to the present Minute as an Annexe. It will be seen from Dr. Stubblefield's letter that the generic name *Peltura* (emend. of *Peltoura*) Milne Edwards (H.), 1840, has been taken as the base for a family-group name, the nominal taxon so recognised being currently treated by specialists as being a subfamily and known accordingly as the PELTURINAE. It will be seen further that the name *Protopeltura* Brögger, 1882, has not been taken as the base for a family-group name, this genus being currently placed in the subfamily PELTURINAE.

3. In the circumstances I now as Secretary hereby direct that in accordance with the Rule specified in paragraph 2 above the following entries be made in the Ruling to be prepared for the purpose of giving effect to the vote taken by the Commission on Voting Paper V.P.(57)32 :—

- (1) the family-group name PELTURINAE (correction of PELTURIDES) Corda (A.J.C.), 1847 (type genus : *Peltura* (emend. of *Peltoura*) Milne Edwards (H.), 1840) be placed on the *Official List of Family-Group Names in Zoology* ;
- (2) the family-group name PELTURIDES Corda (A.J.C.), 1847 (an Invalid Original Spelling for PELTURINAE) be placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology*.

ANNEXE TO MINUTE EXECUTED BY THE SECRETARY ON
24TH SEPTEMBER 1957)

Letter dated 23rd September, 1957 from Dr. C. J. Stubblefield
(Geological Survey and Museum, London)

I find that A. J. C. Corda in "Prodrom einer Monographie der Böhmischen Trilobiten" 1847, p. 118, erected a family PELTURIDES. You will recall that the ending -IDES was normally given by Corda for

his family names. Harrington, H. J. and Leanza, A. F., 1952, *Rev. Asoc. [correct spelling—one "s"] Geol. Argentina*, VII, 3, p. 195, erected a subfamily PELTURINAE apparently under the impression that the authorship was theirs. This treatment was repeated by these authors in the "*Ordovician Trilobites of Argentina*", Kansas, 1957, pp. 61 and 88.

G. Henningsmoen in his monograph "The Trilobite Family Olenidae", *Norsk. Vidensk.-Akad. Oslo, I. Mat.-Naturv. Kl.* 1957, No. 1, p. 220, correctly ascribed the subfamily PELTURINAE to Corda.

The genus *Protopeltura* has never been the root of a family or subfamily name; the genus in fact is usually assigned to the PELTURINAE.

19. Preparation of the Ruling given in the present "Opinion" : On 25th September 1957, Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission by its Vote on Voting Paper V.P.(57)32, subject to the clarification in regard to the family-group-name position specified by the Secretary in the Minute executed on 24th September 1957, the text of which is reproduced in paragraph 18 of the present *Opinion*.

20. Original References : The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

acanthurus, *Olenus* ?, Angelin, 1854, *Pal. scand.*, I (Crust. Format. Transit. : 44)

bucklandii, *Peltoura*, Milne Edwards (H.), 1840, Roret's Suite à Buffon, *Hist. nat. Crust.* 3 : 345

Peltoura Milne Edwards (H.), 1840 (an Invalid Original Spelling for *Peltura*)

*Peltura*¹ (emend. of *Peltoura*) Milne Edwards (H.), 1840, Roret's Suite à Buffon, *Hist. nat. Crust.* 3 : 344

¹ The emendation *Peltura* was published by Burmeister (H.) in 1843 (*Die Organisation der Trilobiten*, Berlin : 83).

praecursor, *Peltura*, Westergaard, 1909, Brögger, 1882, *Lunds Univ. Årsskr.* (n.s.) (Afd. 2) **5** (No. 3) : 48

Protopeltura Brögger, 1882, Silur. Etagen 2 und 3 Kristianiagebiet u. Eker; Kristiania : 105

scarabaeoides, *Entomostracites*, Wahlenberg, [1821], *Nov. Acta Soc. Sci. upsal.* **8** : 41

21. The following is the reference for the selection of a type species for nominal genus specified in the Ruling given in the present *Opinion* :—

<p>For <i>Peltura</i> (emend. of <i>Peltoura</i>) Milne Edwards (H.), 1840</p>	<p>Corda (A.J.C.), 1847, in Hawle (I) & Corda (A.J.C.), <i>Prodrom Monogr. böhm. Trilobiten</i> : 127</p>
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22. The following are the original references for the family-group names placed on the *Official List* and *Official Index* of the names of nominal taxa belonging to the family-group by the Ruling given in the present *Opinion* :—

PELTURINAE (correction of PELTURIDES) Corda (A.J.C.), 1847, *Prodrom Monogr. böhm. Trilobiten* : 118

PELTURIDES Corda (A.J.C.), 1847 (an Invalid Original Spelling for PELTURINAE)

23. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

24. The present *Opinion* shall be known as *Opinion* Four Hundred and Ninety-Nine (499) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Fifth day of September, Nineteen Hundred and Fifty-Seven.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING



International Commission on Zoological Nomenclature. 1958. "Opinion 499 Designation under the Plenary Powers for the nominal genus *Protopeltura* Brögger, 1882, of a type species in harmony with accustomed usage and validation under the same Powers of the emendation to *Peltum* of the generic name *Peltoura* Milne Edwards (H.) 1840 (class Trilobita)." *Opinions and declarations rendered by the International Commission on Zoological Nomenclature* 17, 377–394.

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