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Paleozoic age of the Walden Creek Group, Ocoee Supergroup in the Western Blue Ridge, Southern Appalachians: implications for evolution of the Appalachian margin of Laurentia

*by*

Unrug, R., Ausich, W.I., Bednarczyk, J., Cuffey R., Mamet B.L., Palmes, S.L., and Unrug, S.,

Geological Society of America Bulletin, v. xxx, p.yyy-yyy

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Columbus, Ohio**

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Table 1. WALDEN CREEK GROUP, FOSSIL LOCALITIES

Number	Locality	Map Sheet <sup>a</sup>	UTM Coordinates	Fossil Groups Present
1	Foothills Pkwy 1 <sup>st</sup> olistolith	Watts Bar Lake	16SGQ 71594067	B, F, O, P, T
2	Foothills Pkwy 3 <sup>rd</sup> olistolith	Watts Bar Lake	16SGQ 71483960	P
3	Junction Foothills Pkwy and Road TN 129	Watts Bar Lake	16SGQ 70963872	F
4	Road TN 129 Breccia Bed	Watts Bar Lake	16SGQ 170953871	B, M, P
5	Chilhowee Dam	Watts Bar Lake	16SGQ 67393760	F, O, P
6	Citico Creek Quarry	Watts Bar Lake	16SGQ 62603310	B, F, O, P
7	Citico Creek Beavens Branch	Watts Bar Lake	16SGQ 61183226	P
8	Jones Cove Dixon Mountain	Knoxville	17SKK 87906784	F, T
9	Jones Cove Road TN 399 E of Huff Cemetery	Knoxville	17SKK 87906784	F, P
10	Chavis Creek and Road 339 Holders Grove Church	Knoxville	17SKK 96026270	A, P
11	Chavis Creek S of Road 339	Knoxville	17SKK 95766525	A
12	Springtown Quarry	Cleveland	16SGQ 31350205	A, O, P
13	Road TN68 S of Tellico Plains	Cleveland	16SGQ 44601490	P, B
14	Road US 64 Ocoee River Valley	Cleveland	16SGQ 24148662	F

<sup>a</sup>1:100 000 scale metric topographic map.  
A - algae. B - bryozoans. F - foraminifers. O - ostracods. P - peimatezoans. T - trilobites.

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## Reference Collection list

OSU #	Specimen & locality	Fig. #	Description
49601	Bryozoan fragment Locality 6	Fig. 4 A	Rock sample CC1F
49602	Bryozoan fragment Branch with zoecia Locality 1	Fig. 4 B	Micropaleontological slide
49603	Bryozoan fragment Branch with dissepiments and zoecia Locality 1	Fig. 4 C	Micropaleontological slide
49604	Bryozoan fragment cf. <i>Fenestella elegans</i> Two stems with zoecia Locality 1	Fig. 4 D	Micropaleontological slide
49605	Crinoidal Limestone, agglutinated multi-chamber foraminifer, from clast in polymict conglomerate Locality 5	Fig. 5 A	Thin section CD 32A
49606	Pelmatozoan plates in oncolithic envelopes Locality 7	Fig. 5 B	Thin section 6-92-8
49607	Pelmatozoan columnal pentagonal outline, subpentagonal lumen holomeric Locality 1	Fig. 6 A	SEM stub 1

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49608	Pelmatozoan columnal pentagonal outline, subpentagonal lumen holomeric Locality 1	Fig. 6 B	SEM stub 1
49609	Pelmatozoan columnal circular outline, circular lumen holomeric Locality 1	Fig. 6 C	SEM stub 1
49610	Pelmatozoan columnal circular outline, pentabale lumen holomeric Locality 1	Fig. 6 D	Micropaleontological slide
49611	Pelmatozoan uniserial crinoid brachial Locality 1	Fig. 6 E	SEM stub 2
49612	Pelmatozoan isotomous axillary brachial crinoid ? Locality 1	Fig. 6 F	SEM stub 2
49613	Ostracod fragment <i>Zygbolba</i> ( <i>Zygbolbina</i> ) Locality 1	Fig. 7 A	Micropaleontological slide
49614	Ostracod fragment <i>Amphisella</i> cf. <i>A. primaeva</i> Locality 5	Fig. 7 B	Micropaleontological slide
49615	Ostracod fragment <i>Aechmina</i> cf. <i>A. sesquipedalis</i> Locality 5	Fig. 7 C	Micropaleontological slide
49616	Ostracod fragment Beirichiid-like form cf. <i>Ulrichia</i> Locality 5	Fig. 7 D	Micropaleontological slide

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49617	Ostracod fragment cf. <i>Bairdiocypris</i> Locality 1	Fig. 8 A	Micropaleontological slide
49618	Ostracod fragment cf. order Spirobardia Locality 1	Fig. 8 B	Micropaleontological slide
40619	Ostracod fragment 1/4 broken valve ? Family Aechminidae Locality 1	Fig. 8 C	Micropaleontological slide
40620	Trilobite, fragment of pleural spine Locality 1	Fig. 9 A	Micropaleontological slide
40621	Trilobite, fragment of genal spine Locality 1	Fig. 9 B	Micropaleontological slide
40622	Trilobite, fragment of ornamented spine Locality 1	Fig. 9 C	Micropaleontological slide
40623	Trilobite, fragment of ornamented spine Locality 8	Fig. 9 D	Micropaleontological slide
40624	<i>Psammosphaera cava</i> Moreman Locality 3	Fig. 11 A	Micropaleontological
40625	<i>Blastammina polymorpha</i> Eisenack Locality 6	Fig. 11 B	Micropaleontological slide
40626	<i>Stegnammina moremani</i> Dunn Locality 6	Fig. 11 C	Micropaleontological slide
40627	<i>Sorosphaera osgoodensis</i> Stewart and Priddy Locality 5	Fig. 11 D	Micropaleontological slide

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40628	<i>Sorospaera inflata</i> McClellan Locality 5	Fig. 12 A	Micropaleontological slide
40629	<i>Stomasphaera brassfieldensis</i> Mound Locality 6	Fig. 12 B	Micropaleontological slide
49630	<i>Lagenamina stilla</i> Moreman Locality 6	Fig. 12 C	Micropaleontological slide
49631	<i>Scyphocodon verrucosus</i> Kristan - Tollman Locality 6	Fig. 12 D	Micropaleontological slide
49632	Ostracod - brachiopod grainstone Locality 12	Fig. 8 D	Thin section 12-90-21M Rock sample 12-90-21M
49633	<i>Navia</i> sp Locality 11	Fig. 10 A, B	Thin section 4-90-18
49634	Mollusc shell cross-section Locality 4	Fig. 10 C	Thin section 5-90-10B
49635	Bryozoan fragments (8 pcs) Locality 1	Not illustrated	Micropaleontological slide
49636	Bryozoan fragments (15 pcs) Locality 4	Not illustrated	Micropaleontological slide
49637	Bryozoan fragments (3 pcs) Locality 8	Not illustrated	Micropaleontological slide
49638	Pelmatozoan columnals (39 pcs) Locality 1	Not illustrated	Micropaleontological slide
49639	Pelmatozoan fragments (16 pcs) Locality 2	Not illustrated	Micropaleontological slide
49640	Pelmatozoan fragments (30 pcs) Locality 4	Not illustrated	Micropaleontological slide
49641	Pelmatozoan fragments (16 pcs) Locality 6	Not illustrated	Micropaleontological slide

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49642	Ostracod fragments (8 pcs) Locality 1	Not illustrated	Micropaleontological slide
49643	Ostracod fragments (2 pcs) Locality 4	Not illustrated	Micropaleontological slide
49644	Trilobite fragments (5 pcs) Locality 1	Not illustrated	Micropaleontological slide
49645	Trilobite ? fragments (3 pcs) Locality 8	Not illustrated	Micropaleontological slide
49646	Psammosphaera cava Moreman Locality 1	Not illustrated	Micropaleontological slide
49647	Blastammina polymorpha Eisenack Locality 1	Not illustrated	Micropaleontological slide
49648	Lagenamina ? sp Locality 14	Not illustrated	Micropaleontological slide
49649	Pelmatozoan plates in silicified crinoidal limestone Locality 13	Not illustrated	Rock sample 12-90-12
49650	Psammosphaera cava Moreman Locality 6	Coated for SEM	Micropaleontological slide
49651	Psammosphaera cava Moreman Locality 6	Coated for SEM	Micropaleontological slide
49652	Blastammina polymorpha Eisenack Loc. 6	Coated for SEM	Micropaleontological slide

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49653	Pelmatozoan plates Locality 2	Not illustrated	Thin section 5-90-9D
49654	Pelmatozoan plates Locality 5	Not illustrated	Thin section 5-90-13A
49655	Pelmatozoan plates Locality 5	Not illustrated	Thin section CD 32A
49656	Pelmatozoan plates Locality 6	Not illustrated	Thin section CCQ 3A
49657	Pelmatozoan plates Locality 6	Not illustrated	Thin section CCQ 5B
49658	Pelmatozoan plates Locality 6	Not illustrated	Thin section CCQ 90B
49659	Pelmatozoan plates Locality 13	Not illustrated	Thin section CCQ B2
49660	Pelmatozoan plates Locality 6	Not illustrated	Thin section C3
49661	Pelmatozoan plates Molluscs, Phosphatic brachiopods Locality 6	Not illustrated	Thin section Citico
49662	Phosphatic brachiopods Ostracod? Locality 6	Not illustrated	Thin section CC 1H
49663	Pelmatozoan plates Locality 6	Not illustrated	Thin section CCQ 5A
49664	Pelmatozoan plates Locality 6	Not illustrated	Thin section CCQ 7
49665	Pelmatozoan plates Locality 6	Not illustrated	Thin section CC 124

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49666	Agglutinated foraminifers Locality 6	Not illustrated	Thin section CC 123
49667	Pelmatozoan plates Locality 9	Not illustrated	Thin section 12-15-4C
49668	Pelmatozoan plates Locality 9	Not illustrated	Thin section 12-14-11B
49669	Pelmatozoan plates Locality 10	Not illustrated	Thin section 4-90-11F
49670	Pelmatozoan plates tectonically stressed Locality 10	Not illustrated	Thin section 4-90-11H
49671	Pelmatozoan plates Bryozoan? Mollusc ? vermiform tubes ? Locality 10	Not illustrated	Thin section 4-90-11
49672	Pelmatozoan plates vermiform tubes ? Locality 4	Not illustrated	Thin section 12-9-3C
49673	Epiphytale tuft Calcareous sponge Locality 12	Not illustrated	Thin section 12-90- 21A
49674	Bryozoan, poorly preserved Locality 12	Not illustrated	Thin section 6-92-14
49675	Cyanobacterial strand and proauloporid algae Locality 12	Not illustrated	Thin section 12-90-21B
49676	Cyanobacterial strand and proauloporid algae Locality 12	Not illustrated	Thin section 12-90-21C

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49677	Cyanobacterial strand and proauloporid algae Locality 12	Not illustrated	Thin section 12-90-21D
49678	Cyanobacterial strand and proauloporid algae Locality 12	Not illustrated	Thin section 12-90-21E
49679	Cyanobacterial strand and proauloporid algae Locality 12	Not illustrated	Thin section 12-90-21F
49680	Cyanobacterial strand and proauloporid algae Locality 12	Not illustrated	Thin section 12-90-21G
49681	Proauloporid ? algae calcareous sponge Locality 12	Not illustrated	Thin section 12-90-21