

PALEOBIOGEOGRAPHIC ASSOCIATIONS AMONG MISSISSIPPIAN BRYOZOANS

BY

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ABSTRACT

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Area cladograms produced by parsimony analysis of endemism coupled with seriation, paired group cluster, principal coordinates, and detrended correspondence analyses demonstrate endemic associations of Mississippian-age bryozoans. These methods identified three major biogeographic associations (North America I, North America II, and Old World Realms), and nine minor associations (Waverly, Keokuk, Warsaw, Burlington, St. Louis, Chester, Tethys I, Tethys II, Russia, Kazakhstan-Siberia Provinces). These associations, along with latitudinal diversity gradients, provide support for an early closure of the tropical seaway (Rheic Ocean) that existed between Laurussia and Gondwana, along with support for faunal shifts due to the onset of Gondwanan glaciation and the restriction of North American faunas from the more eastern Tethyan faunas.

DEDICATION

This thesis is dedicated to my mother, Christena Morgan, in recognition of her encouragement, support, and gift of an inquisitive mind.

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TABLE OF CONTENTS

LIST OF TABLES	vii
LIST OF FIGURES	viii
INTRODUCTION	1
TERMS	7
HYPOTHESES	11
Latitudinal Differences Have No Effect	11
Regional Lithotypic Differences Have No Effect	11
Global Climate Changes during the Late Mississippian Gondwanan Ice Age Have No Effect	12
METHODS	14
Data Collection	14
Data Filtering and Methodology for Latitudinal Diversity Gradients	14
Uncertainty and Data Reduction for Multivariate Analyses	15
Analytical Methodology	18
<i>Seriation</i>	18
<i>Parsimony Analysis of Endemicity (PAE)</i>	18
<i>Paired Group Cluster Analysis (PGCA)</i>	18
<i>Detrended Correspondence Analysis (DCA)</i>	19
<i>Principal Coordinates Analysis(PCO)</i>	20
ANALYTICAL RESULTS	21
Latitudinal Diversity Gradients	21
<i>Seriation</i>	23
<i>Parsimony Analysis of Endemicity (PAE)</i>	26
<i>Paired Group Cluster Analysis (PGCA)</i>	28
<i>Detrended Correspondence Analysis (DCA) and Principal Coordinates Analysis (PCO)</i>	34
DISCUSSION	38
Latitudinal Diversity Gradients	38
Patterns of Endemism	38
<i>Names and Provincial/Realm determinations</i>	38
<i>Vicariance and Geodispersal</i>	39
Mississippian Extinction Event	40
Faunal Gradients	41

<i>Onset of Late Mississippian Glaciation</i>	42
CONCLUSIONS	44
Introduction	44
Refutation of Ross and Ross (1985)	44
Glaciation and Extinction	45
APPENDIX A	48
APPENDIX B	381
APPENDIX C	400
LITERATURE CITED	404

LIST OF TABLES

Table 1. Generic diversity by stage	21
Table 2. Seriation patterns of endemism among genera within provinces. Provincial/realm abbreviations use the first three letters of each. EBC % calculated for genera and provinces respectively	24
Table 3. Endemic genera lost from North America in the Viséan/Serpukhovian transition	41
Table 4. Appendix A. Database of bryozoan occurrence records.	48
Table 5. Appendix B. Table of references for occurrences database (see Appendix A)	381
Table 6. Appendix C. Presence/absence data matrix used for PAE, PGCA, DCA, and PCO	400

LIST OF FIGURES

Figure 1. Generic diversity through the Mississippian subperiod. Axis 2 represents number of genera present within each zone	22
Figure 2. Majority consensus area cladogram, based on 15 trees of equal length (172 steps) using a random addition sequence, steepest descent option, and ACCTRAN optimization. CI= 0.2907, HI= 0.7093, RI= 0.5864. “Theoretical Outgroup” indicates a hypothetical area in which all taxa were absent.	27
Figure 3. Area cluster diagram defined using the Jaccard (1901) similarity index	29
Figure 4. Area cluster diagram defined using the Kulczynski (1927) similarity index	30
Figure 5. Reconstructed geographic distributions of Early Mississippian (Tournaisian/Visean) bryozoan realms in Gondwana, North America, Baltica, Siberia, and the Tethyan region, based on maps by Blakey (2010). Some OBUs slightly offset for ease of visibility.. . . .	32
Figure 6. Reconstructed geographic distributions of Late Mississippian (Serpukhovian) bryozoan realms in Gondwana, North America, Baltica, and Siberia, based on maps by Blakey (2010). Some OBUs slightly offset for ease of visibility.. . . .	33
Figure 7. DCA axes 1 versus 2	36
Figure 8. PCO axes 1 versus 2.	37

INTRODUCTION

The purpose of this study is to discover and test endemic associations of Mississippian bryozoans in geographic space, and to track the changes among these associations through time. Biogeographic studies have been used to provide evidence for geographic differentials in mass extinctions, temporal trends in species, genus, and family endemism, geodispersal, and vicariance, along with support for phylogenetic divergence (e.g. Tuckey (1990), Anstey *et al* (2003), Gorjunova (2004), Powers and Bottjer (2007), McCoy and Anstey (2010), Tolokonnikova and Ernst (2010)). In this study, fossil bryozoan occurrence records are used to provide evidences of endemic assemblages, gradient occurrences, and faunal shifts. As supported by the database compiled for this study, it is clear that the Phylum Bryozoa is ideally suited for this type of study because it is geographically pandemic and diverse at the genus level (e.g. McKinney, 1994).

This study focuses on fossil bryozoans, which are the remains of sessile marine invertebrates with a hard secreted calcareous skeleton (Bassler 1953, Boardman *et al* 1983). This secreted skeleton and its internal morphology are what are typically used in paleontological analyses to diagnose bryozoans to the species level, and the skeleton's durability likely contributed to certain families and genera (e.g. *Fenestella*) dominating some limestone assemblages. Despite the widespread distribution and abundance of records of fossil Bryozoa, no biogeographic research has been done specifically on the Mississippian bryozoan fauna since Bambach (1990), although major trends during the entire Carboniferous were touched upon by Gorjunova *et al* (2004).

Research is needed in order to bridge a gap in the biogeographic history of Bryozoa, and to test hypotheses put forward by Ross and Ross (1985). To correct this deficiency in biogeographic analysis, a database detailing bryozoan occurrences worldwide has been constructed. Numerical data extracted from this database were reduced using filtering techniques and were used to supply data for univariate (*i.e.*, seriation and latitudinal gradient) and multivariate (*i.e.*, parsimony analysis of endemism, paired group cluster, principal coordinates, and detrended correspondence) analyses. Parsimony Analysis of Endemism (PAE) and Paired Group Cluster Analysis (PGCA) analyze the binomial matrix were used to provide support for recognition of large scale biogeographic assemblages (realms and provinces). Detrended Correspondence Analysis (DCA) and Principal Coordinates Analysis (PCO) are both ordination methods which provide evidence of multivariate gradients in faunal distributions. Such ordines can easily be interpreted as independent axes reflecting differences in geologic time, or macroecological differences in these fossil assemblages, such continental separation, water depth, or other major physical gradients present in the epeiric seas of the Mississippian.

As would be expected in most macro-scale studies reliant upon published research, a biogeographic study of this magnitude utilizes 148 years of collected reports of occurrences and accurate data in order to draw any scientific conclusions. Studies using similar data compilations include: Tuckey (1990), Anstey *et al* (2003), McCoy and Anstey (2010). The current study assumes that compiled reports are accurate geographic records, without taxonomic error, and conform to the taxonomic standard at the time of each publication so that obsolete, archaic, and synonymized names can be

converted to their modern counterparts. Some species have received generic reassignments by subsequent authors. This study accepts the decisions of the most recent published revisors. The conclusions of this study apply strictly to Bryozoa, although patterns discovered may be correlated with those of other phyla.

Some, but not all, of the previous researchers of Mississippian Bryozoa (Ross: 1981a, 1981b, 1982, 1984; Ross and Ross, 1981, 1985) depict the Mississippian as having a regionally homogenous and globally cosmopolitan distribution of bryozoan genera. Their view provides an overly generalized depiction of Mississippian bryozoan generic distributions, and little data or analysis was put forward to explain where these conclusions came from. Within those papers (cited above) Ross and Ross speak of compiling a large database of bryozoan occurrences, but provided no analytical details of how they arrived at their conclusions. Although parsimony and other methods were common and available at the time of publication, the methods instead are neither explained nor commented on within the Ross articles. Bryozoan researchers of other Paleozoic periods (e.g. Tuckey (1990), Anstey *et al* (2003), McCoy and Anstey (2010)) have depicted bryozoan distributions as reflecting highly differentiated provinces and realms. These articles' results, which utilize multivariate methods (e.g., PAE and DCA), are in stark contrast to those of Ross and Ross, and indicate that their cosmopolitan hypotheses subject to testing. Ross and Ross' conclusions are correct if one examines only the pandemic genera. Such genera are usually abundant within Mississippian paleocommunities, and emphasizing their ecological role leads to Ross and Ross' conclusions. The study by Gorjunova *et al* (2004) identified fenestellids in particular as eurytropic and pandemic. Their study also identified the Early Carboniferous as a time

of radiation and production of endemic taxa in the amplexoporines, hexagonellines, and rhabdomesines. This study will completely ignore extremely pandemic genera, especially fenestellids, and emphasize only the genera displaying endemism.

No global database has ever been developed for these fossil organisms in this subperiod, despite publications revealing considerable abundance and diversity of Mississippian Bryozoa globally (e.g. McKinney [United States], Owen [Britain and Scotland], Bancroft [Ireland], Sakagami [Japan], and others). Published studies of bryozoans of similar scale and scope, dealing with older periods, are surprisingly limited, but include works by: Anstey (1986), Anstey *et al* (2003), Tuckey (1990 a, b), Tuckey and Anstey (1992), Horowitz *et al* (1996), Jimenez-Sanchez and Villas (2009), McCoy and Anstey (2010), among others. An unpublished master's thesis by Holmquist (2008) represents the only known unpublished study of similar size and scope.

Other studies have suggested that specific bryozoan genera are known to prefer different substrate and paleoenvironmental conditions during the Mississippian, such as the genus *Archimedes* and other fenestrate bryozoan genera (McKinney, 1979a, 1979b, 1980; McKinney and Gault, 1980) but are contradicted by Gorjunova *et al* (2004). These preferences, if supported, alone would suggest there should be some regional associations among bryozoan genera preferring specific habitats, excluding fenestellines. In related sessile marine filter feeding faunas, Lane and Sevastopulo (1990) noted that, among crinoid genera, over 52.7% are endemic to North America and 20.3% to Europe during the Mississippian. Five coral regions are recognizable in North America alone from the Mississippian (Sando *et al.*, 1975), although Hill (1973) only recognizes three during the same time interval. Bambach (1990) compiled data from

several invertebrate groups (Brachiopoda, Crinoidea, Rugosa, Tabulata, Bivalvia, and Ammonoidea) and recognized “11 or 12 well established provinces from the Early Carboniferous” (Bambach, 1990 (pp 321)). Bambach (1990) also states: “The discovery of a near constant number of provincial units through the Late Paleozoic also differs from the recently expressed view of early cosmopolitanism and increasing provinciality through this interval” (Bambach, 1990 (pp 322)). As expressed by Bambach (1990), the distribution of other invertebrates differs greatly from the cosmopolitan distributions of genera suggested for the bryozoans, and provide further support for endemic associations of bryozoans, both in North America and potentially elsewhere.

As stated above, the purpose of this study is to discover and test endemic associations of Mississippian bryozoans in geographic space, and to track the changes among these associations through time. This study covers global distributions of Bryozoa through a span of 41.1 million years, from the Tournaisian through the Serpukhovian Stages. Covering such a large duration of time allows comparison of endemic associations through time and space, as well as providing context for interpretation of these associations. These patterns in time and space are linked associations of genera confined to specific but fairly large geographic regions. For example, Boucot (1975) named the Eastern Americas Realm to encompass the same linked associations of brachiopods in both eastern North America and part of South America. Biogeographic reorganization is a phenomenon that results from the dissolution of the linkages holding such associations together. Phenomena like this are commonly caused by extinction events, in which large-scale ecological reorganization characterizes the post extinction recovery episode (*e.g.* Anstey *et al*, 2003). New

biogeographic associations come into being by colonization of vacant habitats by dispersing taxa, and development of new biome macroecology through the stabilization of biotic communities over the entire region of the province or region. If biogeographic reorganization events exist, reorganized endemism patterns can be distinguished, and the endemic faunas making up the reorganized provinces and realms can be identified.

TERMS

Due to the plethora of biogeographic terms in use and their meanings, the terms used in this paper will follow a predominance of those used by Anstey *et al* (2003):

1. *Area* (Lincoln et al. 1982). The overall geographical distribution of a taxon. Local areas are a defined subset of the total area. In this study, “local area” is approximately the size of a county in the United States, and references to taxa occurring within a single formation. “Total area” refers to the global geographic extent of the Phylum Bryozoa in the Mississippian.
2. *Province*. A large geographic area biotically distinct and separated by physical or climactic barriers from adjacent provinces. Endemic taxa contribute 25-50% of the provincial biota. Synonym of *region* (Hallam, 1994).
3. *Realm*. A large portion of the Earth consisting of several related provinces (Anstey *et al*, 2003).
4. *Vicariance*. The presence of sister taxa in adjacent areas separated by a barrier. One or more barriers develop and fragment a once-continuous distribution of an ancestral taxon into divided but contiguous distributions of its descendant taxa (Croizat, 1982; Cox and Moore, 2000). Sister areas in area cladograms are normally interpreted as derivations of a fragmented ancestral area. Major nodes in area cladograms represent the development of large-scale barriers that fragmented ancestral distributions.
5. *Geodispersal* (Lieberman and Eldredge, 1996). Pattern of congruent range expansion caused by removal of a major barrier, and replicated across several clades.

6. *Lesser Pangaea* (Ross, 1990). The combination of Gondwana and Laurussia, indicating the closure of the Rheic Ocean. This supercontinent does not include the landmasses of Siberia, Kazakhstan, and the China blocks.
7. *Laurussia*. Composite continent of Laurentia and Baltica. During the Early Silurian, Laurentia and Baltica collided via the Caledonian Greenland-Scandian orogeny, creating the supercontinent Laurussia. This continent persisted through the Late Carboniferous/Early Permian, when the suturing of the southern margin of Laurussia to Gondwana, and requisite closure of the Rheic Ocean, was complete (Selley *et al*, 2004). In paleontology, the closure of the Rheic Ocean seaway is largely viewed as the point when Laurussia ceases to exist, but in other disciplines, specific tectonic events, like the parallelization of the movements of Gondwana and Laurussia, may mark the preferred convention in changing the name of the paleocontinent. In this thesis, Laurussia will be used to in the paleontological sense, and is understood to have continued from the Silurian through the Carboniferous (Kuznetskov, 2008; Nance *et al*, 2010; Zeigler, 1989).
8. *EBC*. Estimated biogeographic completeness. Anstey *et al* (2003, pg. 309) estimated the ratio of generic absence to total occurrences within 12 Ordovician and Silurian biomes by tabulating the number of expected occurrences in a seriation table constructed using data from an external database, then interpreting gaps in the seriation table as absent, but implied, occurrences. The percentage of this difference in total expected genera and those observed provided an estimated biogeographic completeness of genera for each biome.

9. *PAE*. Parsimony analysis of endemism (Rosen and Smith, 1988). Anstey *et al* (2003, pg 309) used cladistic techniques combined with occurrence data to generate cladograms representative of geographical relationships through time and geographic space. This analysis relies on shared endemic taxa between local areas, and groups these areas based on the assumption that those areas with shared endemics have a closer relationship either currently or in the past than those areas without shared endemics.
10. *OBU*. Operational biogeographic unit. Tuckey (1990) used the concept of the “operational taxonomic unit” and applied this to biogeographic distributions of Ordovician bryozoans, using local areas as taxa and genera presence or absence as taxonomic indicators. This data could then have multivariate analyses and cladistic techniques applied to search for patterns and relationships within geographic distributions of taxa.
11. *PGCA*. Paired group cluster analysis. Hammer and Harper (2006, pg 212-215) uses PGCA as a measure of similarity between local areas based upon their taxonomic presence/absence data. The Jaccard and Dice indices are given special mention in regard as being more commonly used, more sensitive to sample size, and the differences in the way the samples are weighted.
12. *PCO*. Principal Coordinates analysis (Torgerson, 1958). Hammer and Harper (2006, pg 224-226) use PCO as an indirect ordination method; requiring no *a priori* knowledge of environmental or geographic positions of data. Results of PCO are interpreted according to the gradient produced, and rely upon the researcher’s experience and thorough understanding of the effects different

geographical and environmental barriers may have had upon the taxa being studied.

13. *DCA*. Detrended Correspondence analysis (Hill and Gauch, 1980). Tuckey (1988) and Anstey *et al* (2003) use DCA in concert with paleogeographic data from the Ordovician to interpret the barriers present driving bryozoan biogeography. These interpretations of bryozoan biogeography are dependent upon the presence/absence data.
14. *PAST*. PAST (PAleontological STatistics; Hammer *et al*, 2001) is a computer platform designed for paleontological studies, but used in a variety of disciplines. It performs basic statistical analyses, and is a freely available software package. Case studies explanations of many of the techniques and analyses can be found at: <http://folk.uio.no/ohammer/past> (Hammer *et al*, 2001).
15. *PAUP**. Phylogenetic Analysis Using Parsimony (PAUP*) is a common program in the biological sciences used for phylogenetic inference of evolutionary trees. Extensive documentation and examples of its uses are readily available online and in print ("Phylogenetic Analysis Using Parsimony [*and other methods]" (Swofford, 2000).

HYPOTHESES

I. Latitudinal differences presumably have no effect on the generic diversity of Mississippian bryozoans. Ross and Ross (1985) had concluded in their research that latitudinal differences had little effect on the cosmopolitan distributions of genera during the Mississippian; however, others (Crame, 2001; Raymond *et al*, 1989, figure 4) have shown that brachiopods had strongly defined latitudinal diversity gradients, both at the specific and generic levels, during the Mississippian. The findings of Crame (2001) and Raymond *et al*'s (1989) brachiopod research are significant, because brachiopods are also sessile marine filter feeding invertebrates and should be subject to the broadly similar overall habitat conditions as Bryozoa. Bambach (1990) noted a similar relationship as did Crame using eight different major phyla, that in the Early Carboniferous (*i.e.*, the Mississippian), the highest diversity of genera occurs ten degrees south of the equator. This study is inclined in the direction of Crame (2001), Raymond *et al* (1989), and Bambach (1990), and will extend their understanding of latitudinal relationships in other invertebrates to the Bryozoa.

In order to test this hypothesis, latitudinal diversity gradients will be plotted from a constructed database of global occurrence data of Mississippian bryozoans, sorted by latitudinal zone and stage (see Methods). If Ross and Ross' (1985) hypothesis holds true, the latitudinal diversity gradients will show no significant deviation from the hypothesized cosmopolitan distribution of genera; *i.e.*, there should be no correlation between latitude and diversity. Deviation from the expected graph will be considered falsification of Ross and Ross' (1985) hypothesis in regards to latitude.

II. Regional lithotope differences have no effect on generic distributions of Mississippian bryozoans. Based on the hypothesis of Ross and Ross (1985) no effect

on generic distributions, between or within epeiric seas, should be observable across lithotopes. The Mississippian is characterized by a number of distinctive carbonate facies and lithotopes, each with a characteristic fauna. Bambach (1990) recognizes, based on the distributions of eight other major phyla, during the Early Carboniferous there are at least 12 areas that qualify as provinces with at least six others that are potentially provinces. Because Bambach's (1990) data cover many phyla and are global in scope, many macroecological factors can be associated with these provincial differences, and lithotope differences are anticipated to be a limiting factor for Bryozoa. Gorjunova *et al* (2004) in their biogeographic study of bryozoan distributions through the Paleozoic, note that both North America and Europe have high endemic populations, but Gorjunova *et al* are disinclined to conclude that regional barriers are a limiting factor. Rather, Gorjunova *et al* (2004) are in favor of unfavorable conditions in a given region being the main factor behind bryozoan generic presence or absence.

In order to test whether regional lithotopic differences had any effect on the distribution of Bryozoa, PAE paired with PGCA will confirm the existence, or lack, of provinces and realms during the Mississippian, directly assessing the validity of Ross and Ross' (1985) hypothesis. DCA and PCO will be used to measure gradients which may not be readily apparent within the data. If Ross and Ross' (1985) hypothesis holds true, then no differentiation in PAE or PGCA should be observed, and DCA and PCO plots should have randomly scattered data points, with no observable gradients.

III. Global climate changes during the onset of the Late Mississippian Gondwanan Ice Age have no effect on temporal faunal success of Mississippian Bryozoa. Within brachiopods, extinction susceptibility in the Late Mississippian is

independent of “environmental breadth, number of regional occurrences, number of species, and body size” (Powell, 2008, pg 532) and brachiopod genera with limited global ranges and occurrences were most susceptible to extinction (Powell, 2008). The Late Mississippian Mass Extinction, beginning in the Late Visean/Early Serpukhovian, is suspected to be the seventh largest on record, and faunal extinction mimics those of other mass extinctions (Powell, 2008). Bryozoan extinction trends may or may not verify or follow Powell’s observed trend. Pachut and Anstey (1995) did not find any spike in generic extinction in the Serpukhovian, but did note an extinction-balanced radiation in the Tournaisian. Gorjunova *et al* (2004) noted an extensive divergence in amplexoporines, hexagonellines and rhabdomesids in the Early Carboniferous, but did not observe any widespread extinction during the Carboniferous. Such an extinction event could have resulted from the radiation of new taxa in habitats maintaining equilibrium diversity. This radiation is also noted by Gorjunova *et al* (2004).

METHODS

Data collection

In order to test the hypotheses, this study required the development of a global database of all reported bryozoan species throughout the Mississippian Subperiod, including information on the locality, formation, overall lithofacies type, stage/substage, genus, family, and suborder of each record. A database was compiled, consisting of 6,240 species rank records. These records come from 217 published (*e.g.*, journal articles) and unpublished (*e.g.*, theses/dissertations) sources. The only sources used were those that provided records resolvable for bryozoans to either the genus or the species level.

In order to find occurrences of Bryozoa in the scientific literature, a three pronged approach was used:

1. First, the Zoologic Record (formerly the Zoological Society of London and BIOSIS) was searched for sources of Carboniferous and Mississippian Bryozoa.
2. Second, www.bryozoa.net was searched, by year, for any source that related to Mississippian, Carboniferous, or late Paleozoic Bryozoa.
3. Third, www.scholar.google.com was searched for articles which related to Carboniferous, Late Paleozoic, and Mississippian Bryozoa.

Some articles (*e.g.*, particularly some coming out of Mongolia and Russia) are of such limited availability, either due to low number of published volumes, length of time since publication, or general lack of availability, that it was nearly impossible to acquire the needed materials.

Data Filtering and Methodology for Latitudinal Diversity Gradients

The number of genera present between the paleoequator and paleopoles were compiled in order to test for the existence of latitudinal diversity gradients among Mississippian bryozoans. To do so, a map of the Earth (Blakey, 2010) was divided into latitudinal zones of ten degrees each, starting at the equator. Ten degrees was chosen because smaller zones ($<10^\circ$) were not as easy to estimate the location of individual local areas, while larger ($>10^\circ$) would not be able to provide the level of detail to produce easily visualized results. To avoid species-rank biases and taxonomic assumptions, latitudinal diversity has been generated at the genus level. This segment of analysis used all the regional localities, not just those with only 10 or more genera present. Further, the data were divided by stage (as defined by the International Commission on Stratigraphy (ICS)), so as any change of diversity patterns through time could be observed.

Uncertainty and Data Reduction for Multivariate Analyses

After compiling the database, data were organized into a matrix format. A binomial (0,1) presence/absence matrix was constructed for processing in PAUP* and PAST. The binomial matrix was used for PAE, PGCA, DCA and PCO analyses as this format does not put any weight on number of individual records present, but focuses on whether any members of a given genus were recorded. Recording in a binomial matrix removes any bias that may be superimposed on the fossils present based on relative abundance. For example, if the genus *Fenestella* is reported for a given locality, it would be recorded as a '1' in the matrix, for that locality. Multiple presences of *Fenestella* in that locality only confirm the first report, and do not influence the matrix further; that is, after a '1' is recorded as presence, abundance of the genus in the locality has no effect

on the matrix. In order to avoid synonymy in species, occurrences were only considered down to the genus level. Any genera with uncertain attribution (e.g., those reported as '*Fenestella* (?)') were excluded from the matrix. Localities with specific regional or place designations which meet the requirements of serving as a "local area" were used in the matrix; those lacking specific geographic information (e.g., "North America", "Gondwana") or uncertain origin were excluded.

After coding the matrix, further data reduction followed. This consisted of removing any genera which were not regionally present in at least three (3) local areas, as any less than this number provides either too many equally parsimonious trees or longer trees that are more poorly resolved. Parsimony interprets character (generic) presence within separate operational biogeographic units as shared qualities and assumes a common geographic history in more similar local areas united by endemic genera. Having a taxon present in only two of these creates the possibility of two most parsimonious trees being produced for each character in this condition; having only one presence of any taxon is useless to parsimony, as it is uninformative to the analysis. Three presences of a given taxon (genus) are required for this study. The localities were also filtered, so that those with less than ten (10) genera present within them were not included. This follows the methodology of Anstey *et al.* (2003), and is intended to reduce the effects of under-sampling on the analyses. Lastly, localities with identical faunas and occurring in the same region were collapsed into one combined local area, because identical input data provides no diagnostic information to the analyses. This protocol reduced the original matrix from 228 localities to 27 (111 dropped, 117 combined), and the original 190 genera to 155 (35 genera not included). However, in

assessing numbers of endemic genera, taxa present within only one or two local areas, amounting to 80 genera, were included. As experienced by Anstey *et al* (2003, pg 307), working with local areas with fewer than 10 documented distributed genera could not be analyzed biogeographically, as the branching relationships among OBUs cannot be reliably determined. This study attempted using levels of genera as few as 8, but found that incorporating these local areas provided less resolution in PAE. Using localities with more than 11 genera did not seem to produce any more resolution than those with 10 in trial runs, and these trials repeat the experiences of Anstey *et al* (2003, pg 307).

Analytical Methodology

Seriation. Seriation is the ordering of local areas (*i.e.*, localities, realms/provinces, or higher order clusters of local areas) in order to identify an environmental gradient or a stratigraphic sequence (Hammer and Harper, 2006, pg 240). Seriation methods are used to order the local areas along a single presence/absence gradient. Estimated biogeographic completeness (EBC) calculated by dividing observed genera(X) by the sum of observed (X) and implied (dashes)

$$\text{genera (EBC)} = \frac{x}{[(x) + (-)]} \text{ (Anstey et al., 2003).}$$

Parsimony Analysis of Endemicity (PAE). Parsimony analysis of endemicity mirrors the same assumptions and conditions inherent in standard cladistic techniques (*e.g.*, Farris et al, 1996; Madison et al, 1984), except local areas take the place of “taxa”, and generic presence/absence takes the place of the “character states”. PAE treats dispersal in the same way as cladistics does homoplasy, linking related areas by their shared endemic taxa on the assumption that those areas with shared endemics are most closely related in history and origin than those areas lacking shared endemics. The product is a cladogram which shows a branching pattern of endemic relationships among local areas. The order of nodes in the area cladogram should reflect the historical order of development of the provinces or realms. This historical order can be used to infer patterns like vicariance. This study has used PAUP* 4.0b4a (“Phylogenetic Analysis Using Parsimony [*and other methods]” (Swofford 2000)) to perform PAE.

Paired Group Cluster analysis (PGCA). Paired Group Cluster analysis is another way of analyzing biogeographic data which provides insight into faunal distribution patterns. Like PAE, PGCA uses a data matrix consisting of local areas and

generic presence/absence. Unlike PAE, PGCA emphasizes overall faunal similarity over endemic associations; that is, PAE focuses on shared endemics, while PGCA groups local areas together based on overall faunal makeup. When performing PGCA, this study used the indices of Jaccard (1901) and Kulczynski (1927). These two indices were chosen as they have shown reliability in past analyses, as well as emphasizing shared presences and de-emphasizing mutual absences, unlike simple matching coefficients (Hammer and Harper, 2006, pg 213). When applying PGCA this study avoids using indices which calculate overall similarity between faunas, because those indices (e.g., Simpson's coefficient) treat cosmopolitan and endemic genera equally, which can minimize the importance of the shared, but rarer, endemic genera. To counteract the presence of overly pandemic genera, seven cosmopolitan genera, present in 15 or more OBUs, were excluded from the final cluster analyses. The product of PGCA is an area cluster diagram showing the pattern of overall similarity among local areas. This analysis was performed using the program PAST (PALEontological STatistics; Hammer et al, 2001).

Detrended Correspondence Analysis (DCA). Detrended correspondence analysis provides a way of viewing biogeographic data in the context of faunal gradients. DCA produces two-dimensional plots of intersecting multidimensional faunal gradients, with different local areas falling on different parts of the plot depending upon their faunal makeup. The researcher's understanding of tectonic setting, age, and/or major lithotope differences may then provide a notion of what these axes represent and what the patterns present in the plot imply (e.g. Tuckey(1990), Tuckey and Anstey(1992)). PAE and PGCA may provide context for these interpretations; for

example, if PAE displays associations interpreted as a vicariance event, these patterns may also be displayed in the DCA plot if a DCA axis crosses the vicariant boundary zone. The application of DCA relies upon the program PAST (PAleontological STatistics; Hammer et al, 2001) for DCA.

Principal Coordinates Analysis (PCO). Principal coordinates analysis uses a similar concept to DCA; the analysis condenses a large multidimensional dataset into a smaller discrete number of reduced variables with easily visualized relationships. Like DCA, PCO's interpretation is inherent upon the researcher's understanding of the biogeographic and ecological processes present and relatable to the system under study (*i.e.*, the Mississippian bryozoan biogeography), as many ecological variables are condensed into two or three major axes. This study uses PCO to test and reinforce results from DCA. This application of PCO uses the program PAST (PAleontological STatistics; Hammer et al, 2001) for PCO.

ANALYTICAL RESULTS

Latitudinal Diversity Gradients

Table 1 shows the results of the latitudinal diversity gradients analysis of Mississippian bryozoans by stage. Each stage is divided into paleolatitudinal zones of 10° each, and paleolatitude zones are listed in order from the equator moving poleward. “# of Distinct Genera” shows the number of unique genera present in each zone in each stage. Zones not included in the table contain no reported genera for that stage and zone. Three bar graphs, one for each stage, were plotted (Figure 1).

Table 1. Generic diversity by stage.

	Paleolatitude	# Distinct Genera
Serpukhovian	0-10°	63
	10-20°	55
	20-30°	22
	30-40°	1
Visean	Paleolatitude	# Distinct Genera
	0-10°	74
	10-20°	57
	20-30°	41
	30-40°	3
Tournaisian	Paleolatitude	# Distinct Genera
	0-10°	31
	10-20°	19
	20-30°	46
	30-40°	5

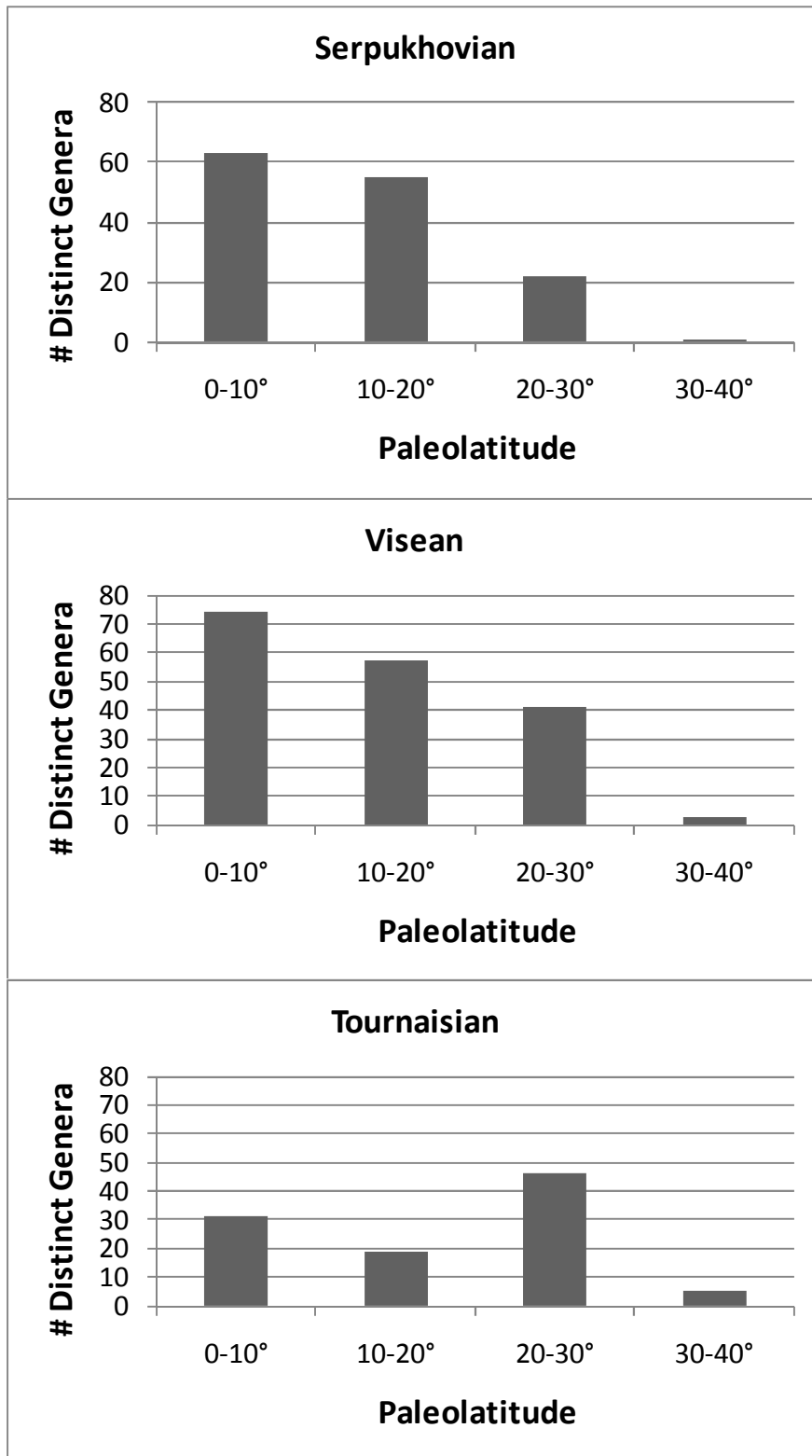


Figure 1. Generic Diversity through the Mississippian Subperiod. The vertical axis represents number of genera present within each zone.

Seriation

Seriation patterns of endemism among genera and provinces are displayed in table 3. To conserve space, province names were abbreviated (Rus= Russia, Tet I= Tethys I, Kaz= Kazakhstan-Siberia, Tet II= Tethys II, Che= Chester, Wav= Waverly, Keo= Keokuk, St. L= St. Louis, War= Warsaw, Bur= Burlington). Estimated biogeographic completeness (EBC) has been estimated for both individual genera and provinces (Table 3). Overall EBC for the most endemic genera is estimated to be 72.6%, based on known (x) and implied occurrences (-) across all provinces. Note the high number of shared genera between North America II and both the Old World and North America I. Also, there are no completely endemic genera present solely within North America II. EBC percentages for genera vary widely, both within and among provinces. These percentages imply relatively high success rates in sampling some genera (*e.g.*, *Nikiforovella*, *Hexites*, *Penniretepora*) and low success rates in sampling others (*e.g.*, *Anisotrypa*, *Evactinopora*). EBC percentages for provinces also vary greatly between provinces, with some, like Russia and Tethys I Provinces, having very high percentages, while others are very low, most notable being the Waverly Province, with only 38.8% EBC.

Table 2. Seriation patterns among genera within provinces. Provincial/Realm abbreviations use the first three letters of each. EBC % calculated for genera and provinces respectively.

Realm	Old World				North America II	
Province	Rus	Tet I	Kaz	Tet II	Che	EBC (%)
<i>Hexites</i>	X	X				100
<i>Ascopora</i>	X	X				100
<i>Rhombocladia</i>	X	X				100
<i>Streblotrypa</i>		X	X			100
<i>Triznotrypa</i>	X	-	X			66
<i>Mediapora</i>	X	-	X			66
<i>Nematopora</i>	X	X	X			100
<i>Nikiforovella</i>	X	X	X			100
<i>Sulcoretepora</i>	X	X	X			100
<i>Goniocladia</i>		X	-	X		66
<i>Penniretepora</i>	X	X	X	X		100
<i>Tabulipora</i>	X	X	X	-	X	80
<i>Batostomella</i>	X	-	X	X	X	80
<i>Septopora</i>	X	-	-	X	X	60
<i>Rhabdomeson</i>	X	X	-	X	X	80
<i>Dyscritella</i>	X	X	-	-	X	60
<i>Eridopora</i>		X	X	-	X	75
<i>Cheilotrypa</i>		X	-	-	X	50
<i>Anisotrypa</i>		X	-	-	X	33
<i>Cyclopora</i>					X	100
<i>Pinnatopora</i>	X	-	-	X	-	57
<i>Streblotrypa</i>		X	X	X	X	100
<i>Thamniscus</i>		X	-	X	X	66
<i>Acanthocladia</i>		X	-	-	X	66
<i>Prismopora</i>		X	-	-	X	50
<i>Coeloconus</i>		X	-	-	X	50
<i>Dichotrypa</i>			X	X	X	66
<i>Hemitrypa</i>			X	X	-	71
<i>Taeniodictya</i>			X	-	-	50
<i>Ptylopora</i>			X	X	-	87.5
<i>Archimedes</i>				X	X	66
<i>Evactinopora</i>				X	-	42
<i>Cystodictya</i>				X	X	85.7
<i>Intrapora</i>					X	40
<i>Glyptopora</i>					X	83
<i>Lyropora</i>					X	100
EBC (%)	100	80	54	60.8	79.1	72.6

Table 2, cont.

Realm	North America I					
Province	Wav	Keo	St. L	War	Bur	EBC (%)
<i>Cyclopora</i>	X	X				100
<i>Pinnatopora</i>	X	X				57
<i>Streblotrypa</i>	X	X				100
<i>Thamniscus</i>	-	X				66
<i>Acanthocladia</i>	X	X				66
<i>Prismopora</i>	-	X				50
<i>Coeloconus</i>	-	-	X	X		50
<i>Dichotrypa</i>	-	-	X			66
<i>Hemitrypa</i>	-	X	X	X		71
<i>Taeniodictya</i>	-	X	X	-	X	50
<i>Ptylopora</i>	X	X	X	X	X	87.5
<i>Archimedes</i>	-	X	-	X		66
<i>Evactinopora</i>	-	X	-	-	X	42
<i>Cystodictya</i>	X	X	X	-	X	85.7
<i>Intrapora</i>	-	-	-	X		40
<i>Glyptopora</i>	-	X	X	X	X	83
<i>Lyropora</i>						100
<i>Strotopora</i>	X	X	X	-	X	80
<i>Coscinium</i>		X	X	X	X	100
<i>Worthenopora</i>		X	X	X		100
<i>Reteporina</i>		X	X	X		100
<i>Fenestralia</i>			X	X		100
<i>Actinotrypa</i>		X				100
<i>Bactropora</i>		X				100
EBC (%)	38.8	78.9	80	71.4	100	72.6

Parsimony Analysis of Endemicity (PAE)

Parsimony analysis of endemicity (PAE) produced three large area clades and nine smaller area subclades (Figure 2). In the context of parsimonious biogeography, these large area clades are major endemic associations (which are interpreted as realms), and the area subclades are minor endemic associations (which are interpreted as provinces), and represent the documented bryozoan genera within all diverse local areas in North America, Baltica, Siberia, Gondwana, and the Tethyan region (Figure 2; Table 2). This cladogram represents the majority-rule consensus of 15 trees of equal length of 172 steps, which has a consistency index (CI) of 0.2907 and a homoplasy index (HI) of 0.7093. Distributional patterns of the 50 most endemic genera are shown in Table 2. The first column of the cladogram has the individual localities labeled, along with the accompanying information on the geologic stage, formation, or stage. The second column shows the number of distinct genera present within each local area used in the analysis. The third column displays the province with which each minor association is attributed. Finally, the fourth column displays the realm with which each province is associated.

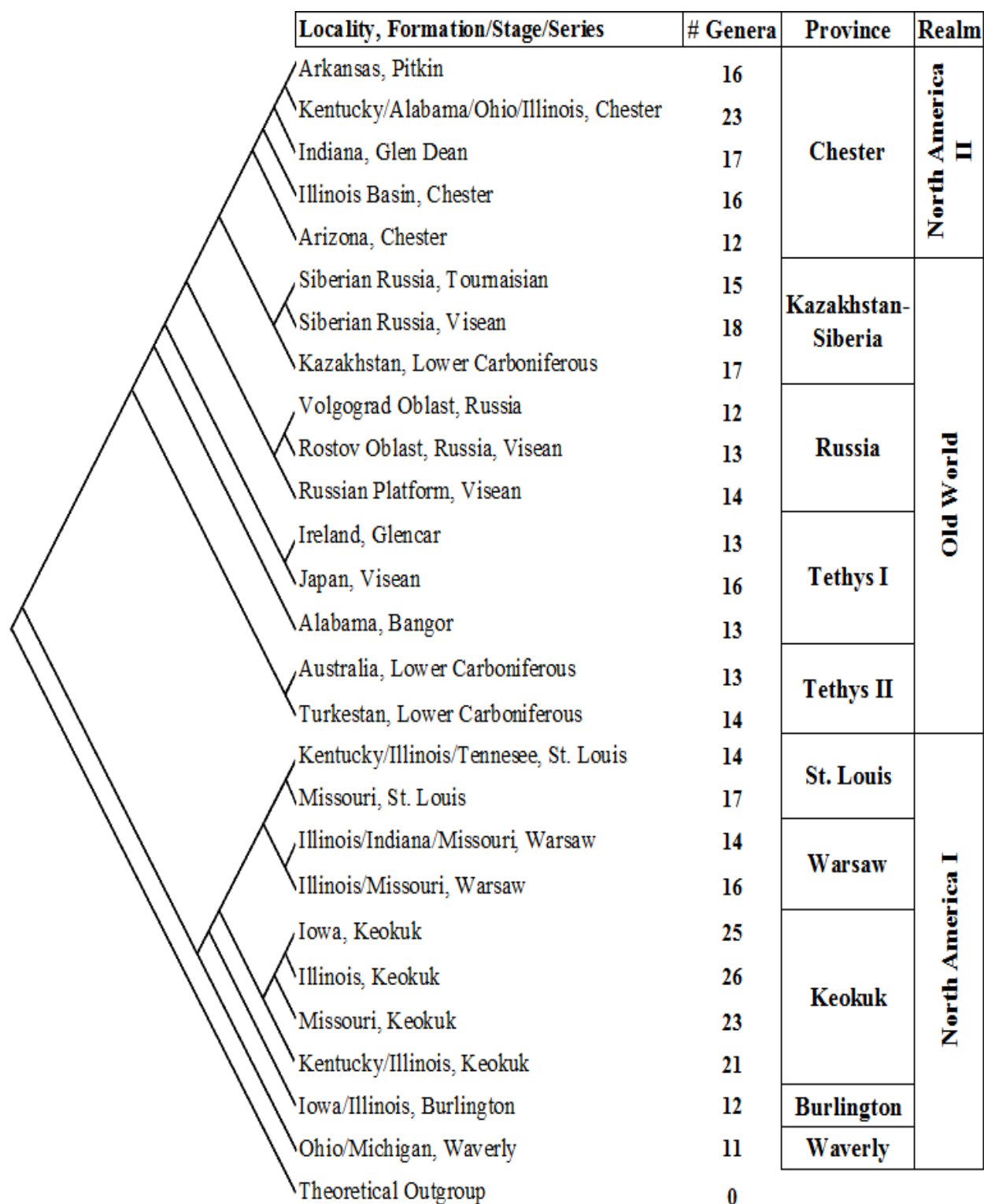


Figure 2. Majority consensus area cladogram, based on 15 trees of equal length (172 steps) using a random addition sequence, steepest descent option, and ACCTRAN optimization. CI= .2907, HI= .7093, RI= .5864. "Theoretical Outgroup" indicates a hypothetical area in which all taxa were absent.

Paired Group Cluster Analysis (PGCA)

Figure 3 shows the area cluster diagram defined using the Jaccard (1901) similarity index. The similarity axis displays how similar local areas are on a scale of zero to one. The diagram displays nine minor endemic associations, which are interpreted and correspond to the provinces displayed in figure 1. Column one displays the name of the local area and its associated geologic formation, stage, or series. Column two displays the province to which each local area is interpreted to belong.

Figure 4 shows the area cluster diagram defined using the Kulczynski (1927) similarity index. The similarity axis displays how similar local areas are on a scale of zero to one. The diagram displays nine minor endemic associations, which are interpreted and correspond to the provinces displayed in figure 1 and figure 3. Column one displays the name of the local area and its associated geologic formation, stage, or series. Column two displays the province to which each local area is interpreted to belong.

PGCA using the Jaccard (1901) and Kulczynski (1927) similarity indices showed similar endemic associations to that of PAE, strengthening the results (Figures 3, 4). The major endemic biogeographic associations have been mapped onto reconstructions of the subperiod based on the maps by Blakey (2010) with individual OBUs marked with symbols corresponding to each realm (Figures 5,6). Blakey's (2010) maps are largely dependent upon Scotese's PALEOMAP Project, but are easier to interpret and readily available online.

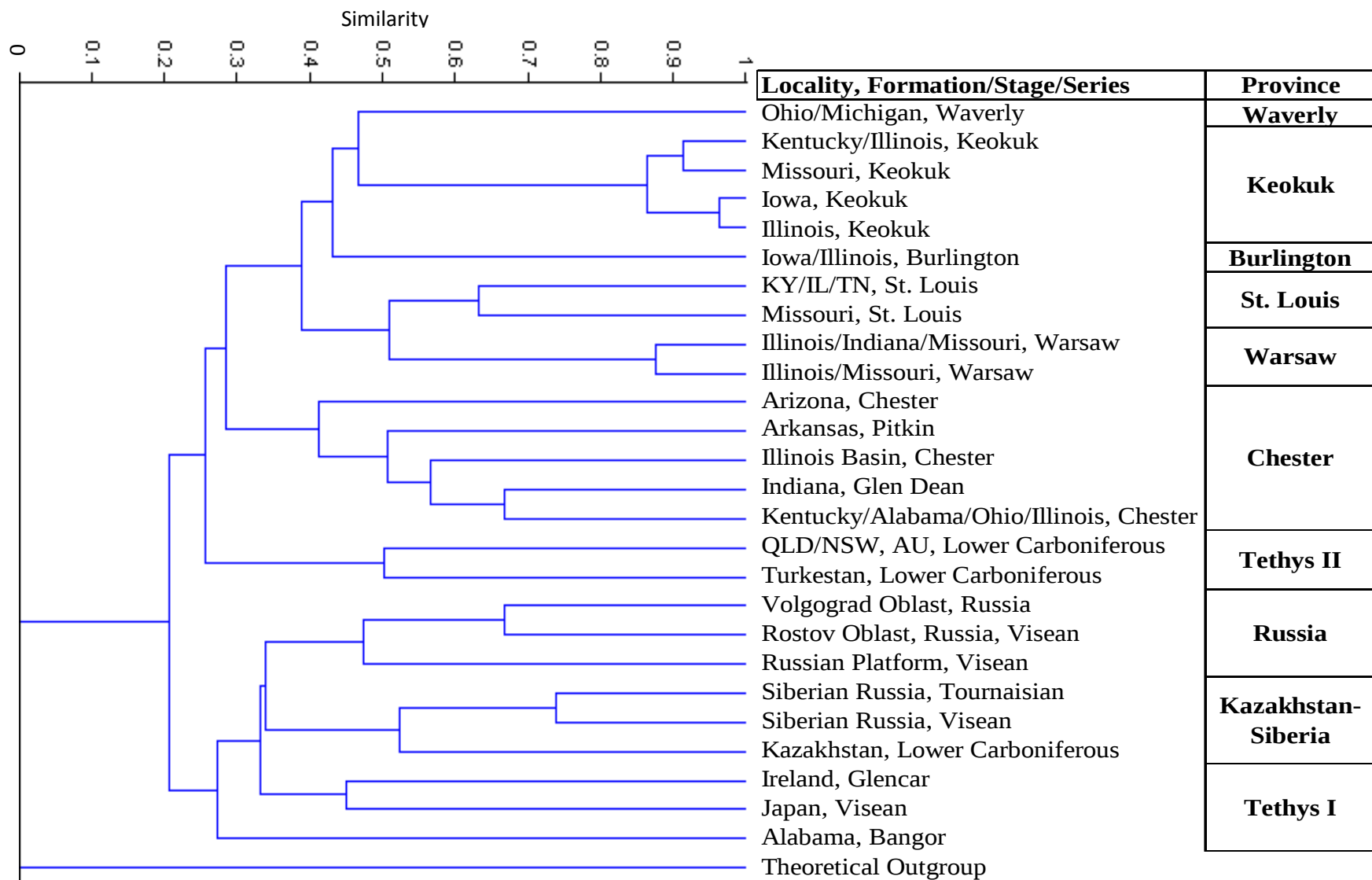


Figure 3. Area cluster diagram defined using the Jaccard (1901) similarity index.

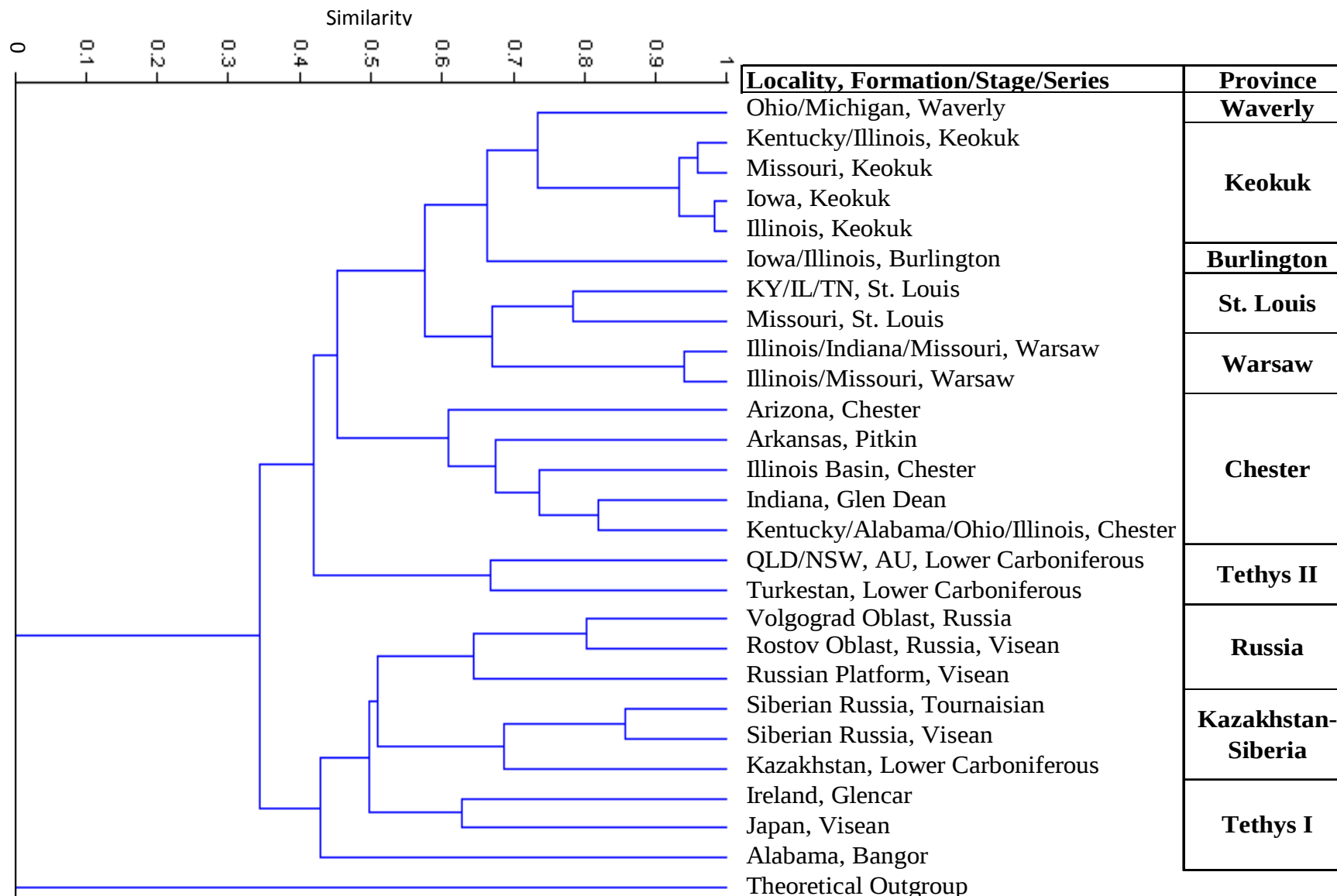


Figure 4. Area cluster diagram defined using the Kulczynski (1927) similarity index.

Figure 5 displays the local area locations using symbols (squares= Old World localities; diamonds = North America I) by realm association on a reconstructed early Mississippian map based on those done by Blakey (2010). The North American Realm local areas are restricted to the Laurussian landmass, while the Old World local areas are spread around much of the equatorial and temperate landmasses, including Laurussia, Siberia, Gondwana, and the China blocks.

Figure 6 displays the local area locations using symbols (squares= Old World localities; circles = North America II) by realm association on a reconstructed late Mississippian map based on those done by Blakey (2010). The North American Realm local areas are restricted to the Laurussian landmass, while the Old World local areas are spread around much of the equatorial and temperate landmasses, including Laurussia, Siberia, and Gondwana.

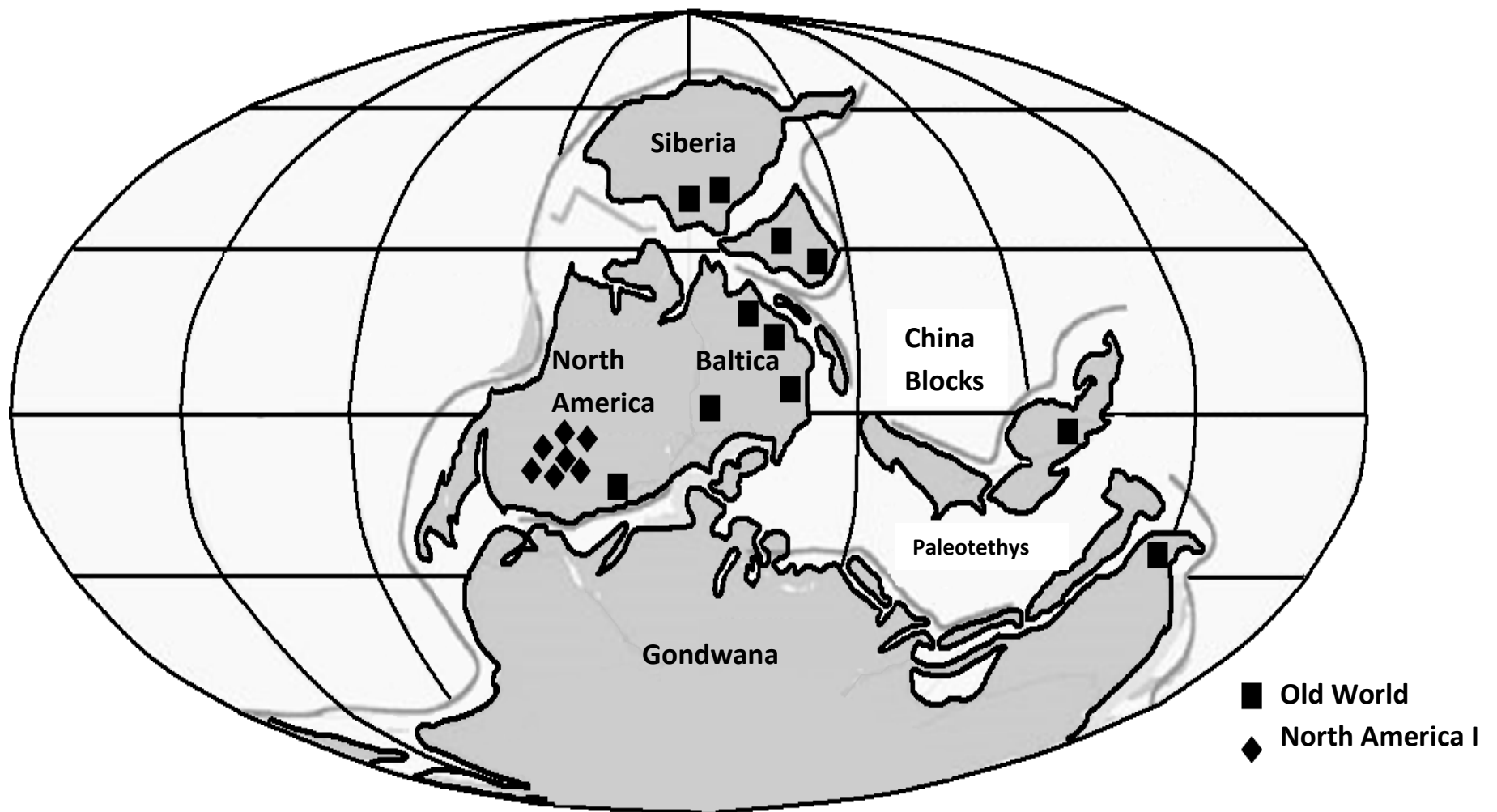


Figure 5. Reconstructed geographic distributions of early Mississippian (Tournaisian/Visean) bryozoan realms in Gondwana, North America, Baltica, Siberia, and the Tethyan region, based on maps by Blakey (2010). Some OBUs slightly offset for ease of visibility.

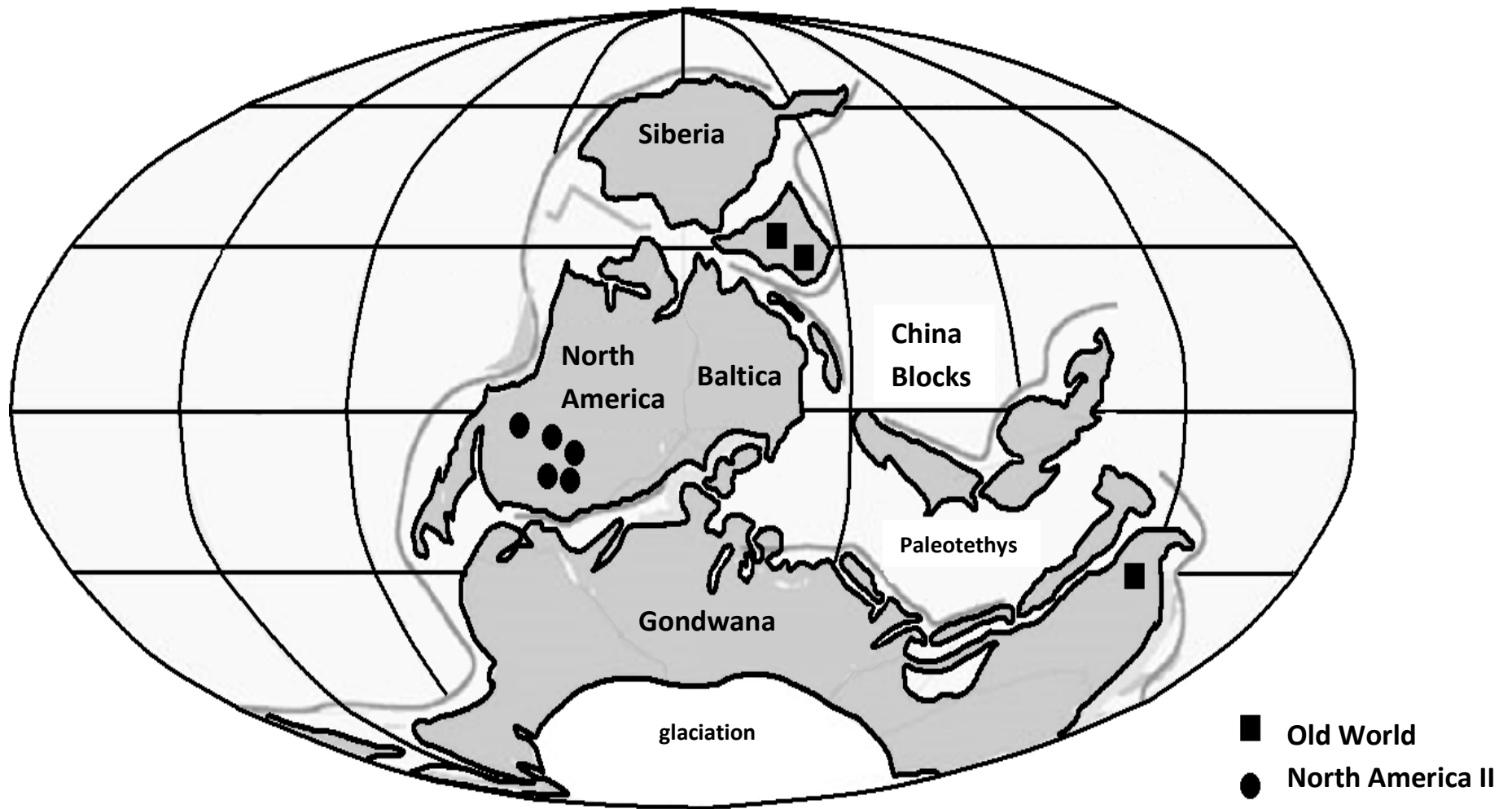


Figure 6. Reconstructed geographic distributions of Late Mississippian (Serpukhovian) bryozoan realms in Gondwana, North America, Baltica, and Siberia, based on maps by Blakey (2010). Some OBUs slightly offset for ease of visibility.

Detrended Correspondence Analysis (DCA) and Principal Coordinates Analysis (PCO)

Detrended correspondence analysis (DCA) of Mississippian assemblages is displayed in figure 7. Major associations as interpreted from PAE and PCO were used in this analysis, and the convex hulls graphed onto the plot are the interpretation of the researcher (squares= Old World realm, circles= North America II, diamonds= North America I). Axis 1 shows a significant separation between the three realms, as shown in Figure 7. Axis two produces less separation, as the three realms are lined up horizontally.

The separations of realms as seen in DCA (Figure 7) are mirrored by principal coordinates analysis (PCO) axes 1 and 2 (Figure 8). Major associations as interpreted from PAE and PCO were used in this analysis, and the convex hulls graphed onto the plot are the interpretation of the researcher (squares= Old World realm, circles= North America II, diamonds= North America I). Axis 1 shows a significant separation between the three realms, as shown in Figure 7. Axis two produces less separation, as North America I and North America II realms are lined up horizontally, while the Old World realm is separated well from both.

Some clusters of OBUs (Figure 2) correspond to the developing “paraphyletic” Tethyan Realm, which in the Permian Period replaced the Old World Realm (Bambach, 1990). Therefore, these disjunct faunas (Tethys I & II) were excluded from DCA and PCO to provide simplicity. Their inclusion provided no diagnostic information within the analysis, because they overlap with the convex hulls of otherwise well defined

groupings (Figures 7, 8). These regions were included in the cluster analyses (Figures 3, 4), and their 'stem-group' relationship to other provinces can be observed.

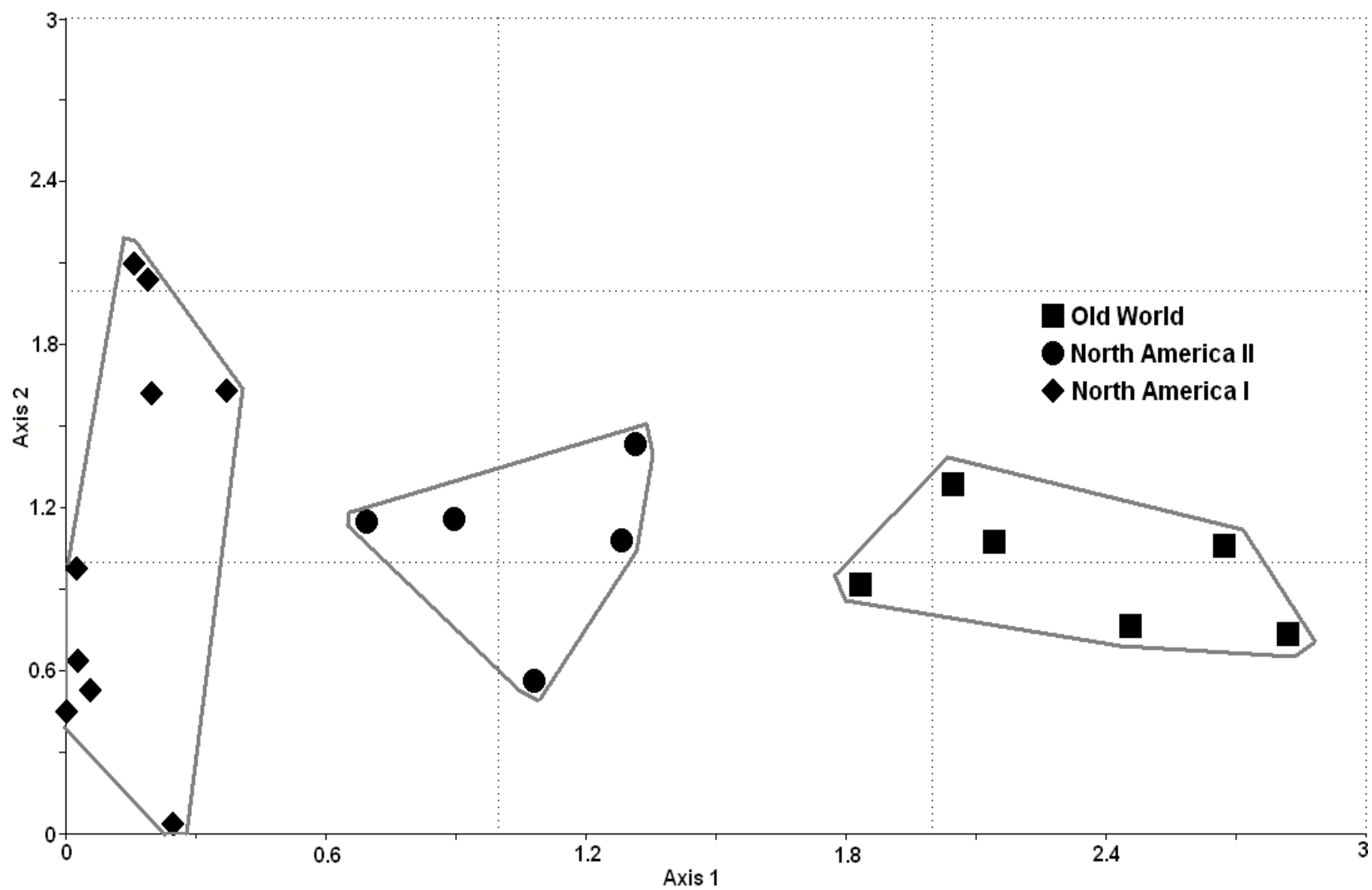


Figure 7. DCA axes 1 versus 2.

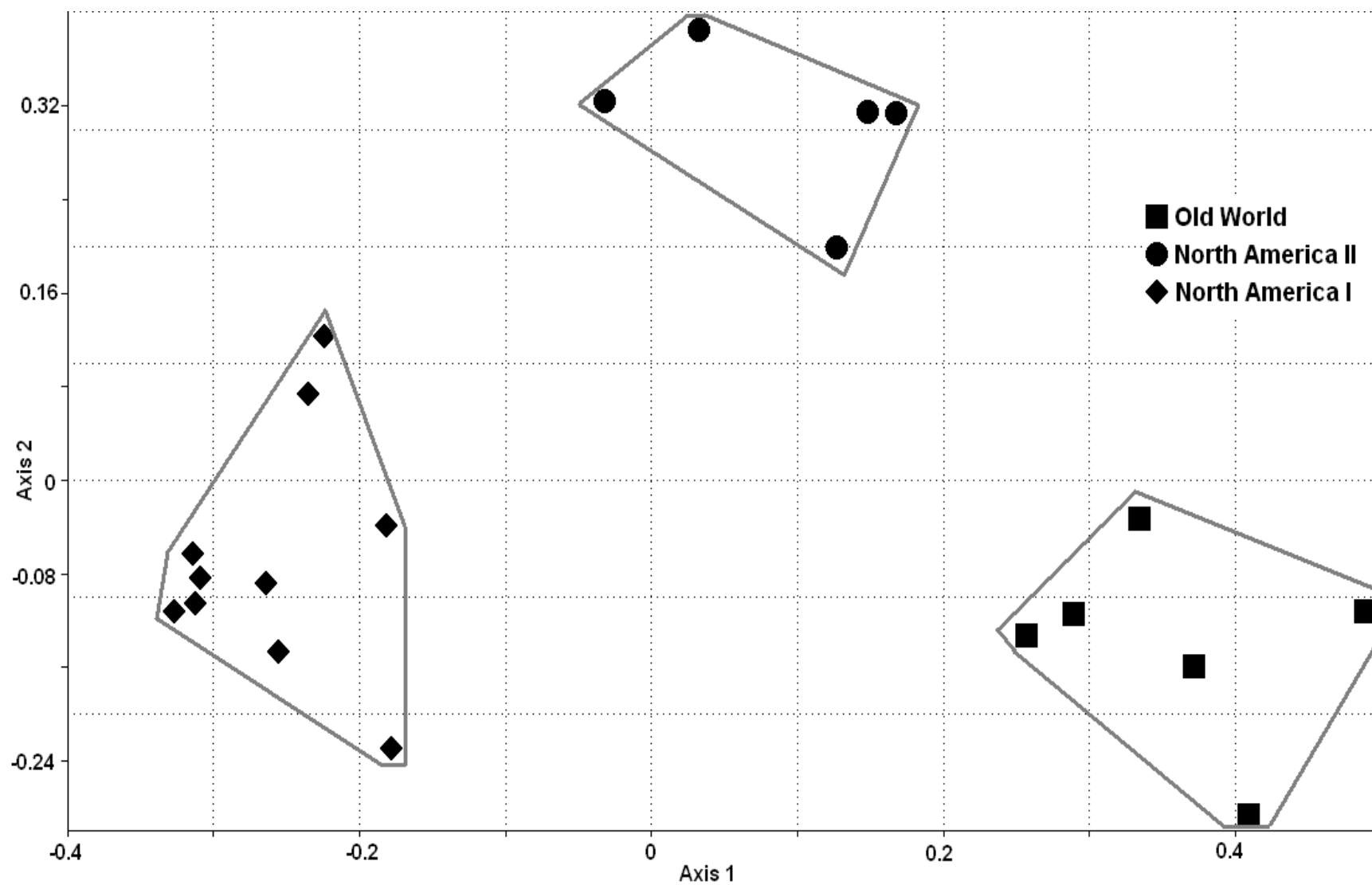


Figure 8. PCO axes 1 versus 2.

DISCUSSION

Latitudinal Diversity Gradients

Figure 1 shows the recorded diversity of bryozoan genera throughout the subperiod. During the Tournaisian Stage, there is an anomalously high peak in bryozoan diversity at 30°, roughly the paleolatitude of Siberia and northern Kazakhstan, surpassing the expected high generic peak at the equator by fifteen genera. A peak in bryozoan diversity at such high latitude is significant, as it provides evidence of a significant northern fauna during the Early Mississippian. This differs greatly from the gradients projected for the Visean and Serpukhovian Stages, as these later stages show a more gradational fauna with a peak in bryozoan diversity at the equator which tapers off poleward. However, this peak could also be based on a monographic effect, as Tournaisian-age assemblages are rare in North America and somewhat limited in Europe, but have been studied much more extensively in Asia.

Patterns of Endemism

Names and Provincial/Realm determinations. The results from both PAE and PGCA provide insight into the relationship of the OBUs to each other. The lowermost clade of Figure 2 corresponds solely to the Visean and Tournaisian assemblages of North American Bryozoa. This realm is referred to as North America I, as it corresponds to the 'American Realm' as identified by Bambach (1990) in the Early Carboniferous. The subunits of Bambach's (1990) American Realm do not correspond to those provinces identified by PAE (Figure 2), so names were assigned based on lithologic association. Those OBUs observed within each cluster corresponded to each major lithotope (Waverly Formation, Burlington Formation, Keokuk Formation, Warsaw

Formation, and St. Louis Limestone) and these clusters are likely a consequence of vicariance due to partitioning of endemic associations along lithotopic boundaries.

The second, or upper, clade in Figure 2 is a more diverse construct consisting of two related realms of the Mississippian. The uppermost realm is a successor to the older North America I Realm of the Early Mississippian, and is named in the same manner (North America II). It consists of a younger, Serpukhovian age (Chesterian) assemblage, which shows closer endemic associations to those faunas of the Old World Realm, and an older vestige of the Devonian Old World Realm (Boucot, 1975) and the newly assembling Tethyan Realm (Bambach, 1990). The provinces observed in the Old World Realm are named according to regional association (Kazakhstan-Siberia, Russia), and the eastern pantethyan faunas, which display a disjunct association with others of the Old World Realm, are named for their Permian realm associations (Tethys I, II).

Vicariance and Geodispersal. Vicariance hypotheses can be put forward based on the area cladogram results. The North America I Realm is postulated to be the last vestige of an older realm dating back to the Devonian (Figures 2, 7). This realm fits with what Boucot (1975) called the Southern Laurentia Region of the Eastern Americas Realm in the Devonian. Further, the individual provinces in this realm are postulated to have undergone lithotope partitioning; that is, the individual provinces are associated with unique environmental and depositional conditions, due to their close association with individual lithofacies of the Middle Mississippian.

Bambach (1990) noted a transition in the Late Carboniferous (Pennsylvanian) from more distinct European and Chinese realms to a more generalized Tethyan

Realm. It is likely those provinces (Tethys I and II) are earlier Mississippian evidences of this shift, explaining the disjunction of these provinces and others of the Old World Realm (Figure 2), fitting with Ross and Ross' (1990) hypothesis of a globally cosmopolitan bryozoan fauna. The first wave of Tethyan dispersal is evident in the Bangor Limestone of Alabama (Figure 2) which is Early Serpukhovian (Early Chesterian) in age. Because of this age association, the Bangor Limestone fauna's disjunct character, that is, the Bangor's lack of association with other North American faunas, is explained by geodispersal. In a slightly later event, the Chester faunas evolve a new suite of endemic taxa that vicariantly divides the preceding pandemic distribution into its "evolved" Chesterian configuration (Figure 2).

Mississippian Extinction Event

The Old World and North America II Realms (Figures 2, 8) are endemically discrete, but share a number of more dispersed and pandemic genera (Table 2). Between the Late Viséan and Early Serpukhovian there is an event, most likely the onset of the Karoo Ice Age (Smith and Reed, 2000), which causes a faunal shift from that of the North America I Realm to the North America II Realm, allowing for congruent dispersal of Old World genera to replace lost endemic genera. The base of the Chesterian Series, also the separation point between North America I and North America II, represents the onset of cyclothem deposition in North America, widely regarded as a far-field effect of the Karoo Ice Age. The transition between North America I and North America II could not have occurred unless the global climate change had already affected North America I endemics and caused their extinction. There is a Late Viséan/Early Serpukhovian extinction of the North America I Realm and

its provinces (Table 3). The genera loss is largely an extinction of the endemic genera in the North America I realm (Tables 3, 4). Laurentia is repopulated in the Serpukhovian by dispersal of more cosmopolitan taxa originating in the Old World (Tethyan) Realm (Figure 2). These taxa could be more tolerant of colder climates, because this extinction coincides with the beginning of the Karoo Ice Age. The Visean limestones in North America are known to include tropical lithologies, such as that seen in the St. Louis Limestone (Powell, 2008). The Chesterian limestones are not only more argillaceous, but could also reflect a more temperate climate (Isbell *et al.*, 2008; Powell, 2008; Smith and Read, 2000). Some Chesterian limestones are oolitic, such as the Beaver Bend Limestone, but most of the Chesterian limestones are not (Powell, 2008).

Table 3. Endemic Genera lost from North America in the Visean/Serpukhovian transition

Genus	
<i>Actinotrypa</i>	<i>Heloclema</i>
<i>Actinotrypa</i>	<i>Koninckopora</i>
<i>Admiratella</i>	<i>Laxifenestella</i>
<i>Apertostella</i>	<i>Leptopora</i>
<i>Bactropora</i>	<i>Metapora</i>
<i>Bactropora</i>	<i>Minilya</i>
<i>Banastella</i>	<i>Parafenestella</i>
<i>Cliotrypa</i>	<i>Proutella</i>
<i>Coscinium</i>	<i>Pseudohornera</i>
<i>Cubifenestella</i>	<i>Pseudounitrypa</i>
<i>Cycloporella</i>	<i>Ptiloporella</i>
<i>Dictyoretmon</i>	<i>Reteporina</i>
<i>Eulyra</i>	<i>Ropalonaria</i>
<i>Exfenestella</i>	<i>Strotopora</i>
<i>Fenestralia</i>	<i>Trematopora</i>
<i>Fistuliramus</i>	<i>Worthenopora</i>
<i>Flustra</i>	

Faunal Gradients

Within DCA and PCO, North America I and the Old World Realms are well separated, even though parts of the Old World occur temporally within the Early Mississippian, as does all of North America I. Ross and Ross' (1985) hypothesis predicts that these early assemblages will overlap, since the creation of lesser Pangaea would not have effectively isolated cosmopolitan faunas until later in the Carboniferous. This earlier separation, along with the relatively high provinciality of North America I, supports the idea that the creation of 'Lesser Pangaea' and the isolation of the two realms occurred early in the Mississippian, if not in the Devonian. This event occurring in the early Mississippian is further supported by the Tournaisian latitudinal diversity gradient (Figure 1), which displays a low generic diversity in the equatorial region as compared to the higher latitudes. Low generic diversity may be expected during tectonically disruptive events in the equatorial region, especially considering the possible effect of the closure of a tropical seaway (Rheic Ocean).

Onset of Late Mississippian Glaciation. DCA and PCO show a marked difference between the successions of the North America I Realm by the North America II Realm, implying a possible climactic or lithofacies shift on the North American craton (Figures 7 & 8), as PCO and DCA analyses are generally sensitive to ecological changes within datasets. This same shift is demonstrated in PAE and Cluster Analysis, with the Old World Realm showing a stronger association with North America II (Figures 2, 3, & 4). This shift in endemic and faunal similarities may be indicative of the onset of the Gondwana (Karoo) Ice age, as proposed by Ross and Ross (1985), and may explain the decreased provinciality from the Visean to Serpukhovian. Geological evidence that

such an event may have been underway this early in the subperiod has been suggested by Smith and Reed (2000).

CONCLUSIONS

In order to test the hypotheses of Ross and Ross (1985), a database of global occurrences of Mississippian Bryozoa was constructed, comprising over 6,000 occurrence records. This database was then used to perform analyses of PAE, PGCA, DCA, PCO, latitudinal diversity gradients and seriation. Mississippian biogeographic units occupied regions of the Earth in which specific sets of endemic genera co-occurred, most easily visualized in the area cladogram (Figure 2), the distributions of the endemic genera (Table 1, Figure 9), and the map areas occupied (Figures 7, 8). These analyses support alternative hypotheses to those of Ross and Ross (1985), and provide evidence of provinciality, vicariance, Mississippian glaciations and extinction, and ecological/lithotypic partitioning of the Mississippian cratons. Few studies of Paleozoic bryozoans have applied similar methods to their distributions, and none have done so within the Carboniferous.

Refutation of Ross and Ross (1985). Ross and Ross (1985) hypothesized that bryozoan distributions were cosmopolitan and globally distributed. While broad distributions of bryozoan genera are observed for this subperiod, endemically defined patterns of distributions are also observed (Figures 2, 3, & 4). Many equatorial local areas (*e.g.*, China) had very few sufficiently defined or reported bryozoan occurrences to be included in this study. Further, PAE, along with PGCA, DCA, and PCO (Figures 2, 3, 4, 5, & 6), show that bryozoan distributions were far from globally cosmopolitan throughout the Mississippian. As expressed by Bambach(1990, pg 322), the distribution of other invertebrates are far from the cosmopolitan distributions of genera suggested

for the bryozoans (Ross and Ross, 1985) , and provide further support for my hypothesis of endemic associations.

Glaciation and Extinction. The proposed onset of a late Mississippian Ice Age agrees with the vicariance patterns observed in PAE and PGCA, and also with the faunal gradients seen in DCA and PCO. Predictably, a global cooling event would have restricted the tropical Bryozoa and provided barriers to geodispersal, along with enforcing endemism-influenced associations. These barriers, along with loss of some early tropical genera, are observed in the DCA and PCO results. The regime shift from North America I to the coupling of North America II and the Old World realms suggests that the geodispersal event(s) that led to this coupling occurred between the Visean and Serpukhovian. The more distant relationship between North America I and II in PAE suggest that these two realms are endemically discrete.

APPENDICES

APPENDIX A

APPENDIX A, Table 4. Database of Bryozoan Occurrence Records

Genus	species	Rock Unit	Locality Available	County
<i>Acanthocladia</i>	<i>peculiaris</i>	Lower Carboniferous- Hikoroichi Is		Morioka Province, Japan
<i>Acanthocladia</i>	xxx	Lower Carboniferous- Izuto Is		Yamaguchi Prefecture, Honshu, Japan
<i>Acanthocladia</i>	xxx	Lower Carboniferous- Uzura		Pahang, Malaysia
<i>Acanthocladia</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Acanthocladia</i>	xxx	Visean- Akiyoshi Is	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	St. Francisville, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Acanthoclema</i>	<i>confluens</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Acanthoclema</i>	<i>confluens</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Acanthoclema</i>	<i>confluens</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Acanthoclema</i>	<i>confluens</i>	Waverly	Lodi, OH	Medina County, OH
<i>Acanthoclema</i>	<i>confluens</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Acanthoclema</i>	<i>confluens</i>	Waverly	Newark, OH	Licking County, OH
<i>Acanthoclema</i>	<i>confluens</i>	Waverly	Richfield, OH	Summit County, OH
<i>Acanthoclema</i>	<i>confluens</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Acanthoclema</i>	<i>fistulosa</i>	St. Genevieve	Caldwell County, KY	Caldwell County, KY
<i>Acanthoclema</i>	<i>fistulosa</i>	St. Genevieve	Princeton, KY	Caldwell County, KY
<i>Acanthoclema</i>	<i>fistulosa</i>	St. Genevieve	Rosiclare, IL	Hardin County, IL
<i>Acanthoclema</i>	<i>fistulosa</i>	St. Genevieve	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Acanthoclema</i>	<i>pecularis</i>	Keokuk	Warsaw, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Acanthoclema</i>	<i>ramulosa</i>	St. Genevieve	Caldwell County, KY	Caldwell County, KY
<i>Acanthoclema</i>	<i>ramulosa</i>	St. Genevieve	Princeton, KY	Caldwell County, KY
<i>Acanthoclema</i>	<i>ramulosa</i>	St. Genevieve	Rosiclare, IL	Hardin County, IL
<i>Acanthoclema</i>	<i>ramulosa</i>	St. Genevieve	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Acanthoclema</i>	<i>solida</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Acanthoclema</i>	<i>solida</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Chester, IL	Randolf County, IL
<i>Acanthoclema</i>	<i>solida</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Huntsville, AL	Madison County, AL
<i>Acanthoclema</i>	<i>solida</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Acanthoclema</i>	<i>solida</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Meade County, KY	Meade County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Acanthoclema</i>	<i>solida</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Redbud, IL	Randolf County, IL
<i>Acanthoclema</i>	<i>solida</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Acanthoclema</i>	<i>solida</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Smithland, KY	Livingston County, KY
<i>Acanthoclema</i>	<i>solida</i>	Chester	Stepensport, KY	Breckenridge County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				KY
<i>Acanthoclema</i>	xxx	Mooney Falls	Yavapai County, AZ	Yavapai County, AZ
<i>Actinotrypa</i>	<i>pecularis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Actinotrypa</i>	<i>pecularis</i>	Keokuk	LaGrange, MO	Clark County, MO
<i>Actinotrypa</i>	<i>peculiaris</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Actinotrypa</i>	<i>peculiaris</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Actinotrypa</i>	<i>peculiaris</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Actinotrypa</i>	<i>peculiaris</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Admiratella</i>	<i>prima</i>	Visean		Kazakhstan
<i>Aisenvergia</i>	<i>cylindrica</i>	Lower Carboniferous	Donetz Basin	Rostov Oblast, Russia
<i>Amphiporella</i>	<i>halloporoides</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Amphiporella</i>	<i>halloporoides</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Amplexopora</i>	<i>discoidea</i>	Lower Carboniferous	Treak Cliff	Derbyshire, Eng
<i>Anisotrypa</i>	<i>beshevensis</i>	Tourinasean	Weining	Guizhou Province, China
<i>Anisotrypa</i>	<i>boqiwanensis</i>	Tourinasean	Weining	Guizhou Province, China
<i>Anisotrypa</i>	<i>fistulosa</i>	St. Louis	Pella, IA	Marion County, IA
<i>Anisotrypa</i>	<i>hamata</i>	Tournasean- upper	SE Armenia	SE Armenia
<i>Anisotrypa</i>	<i>integrata</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Anisotrypa</i>	<i>integrata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Anisotrypa</i>	<i>integrata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Anisotrypa</i>	<i>ramulosa</i>	St. Louis	Pella, IA	Marion County, IA
<i>Anisotrypa</i>	<i>sinensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Anisotrypa</i>	<i>sinensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Anisotrypa</i>	<i>sinensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Anisotrypa</i>	<i>solida</i>	Chester	Anna, IL	Union County, IL
<i>Anisotrypa</i>	<i>solida</i>	Chester	Chester, IL	Randolf County, IL
<i>Anisotrypa</i>	<i>solida</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Anisotrypa</i>	<i>solida</i>	Chester	Ruma, IL	Randolf County, IL
<i>Anisotrypa</i>	<i>solida</i>	Chester	St. Genevieve, MO	St. Lane County, MO
<i>Anisotrypa</i>	<i>solida</i>	Chester		Illinois Basin
<i>Anisotrypa</i>	<i>solida</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Anisotrypa</i>	<i>solida</i>	Chester- Pitkin Ls		Independence County, AR
<i>Anisotrypa</i>	<i>solida</i>	Chester- Pitkin Ls		Madison County, AR
<i>Anisotrypa</i>	<i>solida</i>	Chester- Pitkin Ls		Newton County, AR
<i>Anisotrypa</i>	<i>solida</i>	Chester- Pitkin Ls		Searey County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Anisotrypa</i>	<i>solida</i>	Chester- Pitkin Ls		Stone County, AR
<i>Anisotrypa</i>	<i>solida</i>	Chester- Pitkin Ls		Washington County, AR
<i>Anisotrypa</i>	<i>solida</i>	Chester- Wymps Gap ls	Fayette County, PA	Fayette County, PA
<i>Anisotrypa</i>	<i>symmetra</i>	Chester- Glen Dean		Crawford County, IN
<i>Anisotrypa</i>	<i>symmetra</i>	Chester- Glen Dean		Perry County, IN
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Anna, IL	Union County, IL
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Chester, IL	Randolf County, IL
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Huntsville, AL	Madison County, AL
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Meade County, KY	Meade County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Redbud, IL	Randolf County, IL
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Ruma, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Sloans Valley, KY	Pulaski County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Smithland, KY	Livingston County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Anisotrypa</i>	<i>symmetrica</i>	Chester		Illinois Basin
<i>Anisotrypa</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Anisotrypa</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Anisotrypa</i>	xxx	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Anisotrypa</i>	xxx	Chester- Wymps Gap ls	Chalk Hill, Ohio	Fayette County, PA
<i>Anisotrypa</i>	xxx	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Apertostella</i>	<i>venusta</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Arborocladia</i>	<i>simplex</i>	Carboniferous- Early		Mongolia
<i>Archimedes</i>	<i>americanus</i>	Warsaw	Keokuk, IA	Lee County, IA
<i>Archimedes</i>	<i>ardmorensis</i>	Chester	Carter County, OK	Carter County, OK
<i>Archimedes</i>	<i>bassleri</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>communis</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>communis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>communis</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>communis</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Huntsville, AL	Madison County, AL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>communis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>communis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>communis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>communis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>communis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>communis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>communis</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>communis</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>communis</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Archimedes</i>	<i>communis</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>communis</i>	Chester- Glen Dean		Perry County, IN
<i>Archimedes</i>	<i>communis</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>communis</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Archimedes</i>	<i>communis</i>	Chester- Pitkin Ls		Independence County, AR
<i>Archimedes</i>	<i>communis</i>	Chester- Pitkin Ls		Madison County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>communis</i>	Chester- Pitkin Ls		Newton County, AR
<i>Archimedes</i>	<i>communis</i>	Chester- Pitkin Ls		Searey County, AR
<i>Archimedes</i>	<i>communis</i>	Chester- Pitkin Ls		Stone County, AR
<i>Archimedes</i>	<i>communis</i>	Chester- Pitkin Ls		Washington County, AR
<i>Archimedes</i>	<i>compactus</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>compactus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>compactus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>compactus</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>compactus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>compactus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>compactus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>compactus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>compactus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>compactus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Smithland, KY	Livingston County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				KY
<i>Archimedes</i>	<i>compactus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>compactus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>compactus</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>compactus</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>confertus</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Archimedes</i>	<i>confertus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>confertus</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>confertus</i>	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>confertus</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>confertus</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>distans</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>distans</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>distans</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>distans</i>	Chester	Carter County, OK	Carter County, OK
<i>Archimedes</i>	<i>distans</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>distans</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Archimedes</i>	<i>distans</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>distans</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>distans</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>distans</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>distans</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>distans</i>	Chester	Livingston County,	Livingston County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			KY	KY
<i>Archimedes</i>	<i>distans</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>distans</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>distans</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>distans</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>distans</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>distans</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>distans</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>distans</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>distans</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>distans</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>distans</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Archimedes</i>	<i>distans</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>distans</i>	Chester- Glen Dean		Grayson County, KY
<i>Archimedes</i>	<i>distans</i>	Chester- Glen Dean		Perry County, IN
<i>Archimedes</i>	<i>distans</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>distans</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Archimedes</i>	<i>distans</i>	Chester- Pitkin Ls		Independence County, AR
<i>Archimedes</i>	<i>distans</i>	Chester- Pitkin Ls		Madison County, AR
<i>Archimedes</i>	<i>distans</i>	Chester- Pitkin Ls		Newton County, AR
<i>Archimedes</i>	<i>distans</i>	Chester- Pitkin Ls		Searey County, AR
<i>Archimedes</i>	<i>distans</i>	Chester- Pitkin Ls		Stone County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>distans</i>	Chester- Pitkin Ls		Washington County, AR
<i>Archimedes</i>	<i>distans</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>fosteri</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Jersey County, IL	Jersey County, IL
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Archimedes</i>	<i>grandis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Archimedes</i>	<i>grandis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Archimedes</i>	<i>grandis</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Archimedes</i>	<i>halli</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Archimedes</i>	<i>halli</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Archimedes</i>	<i>interedius</i>	Chester- Bangor ls		Colbert County, AL
<i>Archimedes</i>	<i>intermedia</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Archimedes</i>	<i>intermedia</i>	Chester- Pitkin Ls		Independence County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>intermedia</i>	Chester- Pitkin Ls		Madison County, AR
<i>Archimedes</i>	<i>intermedia</i>	Chester- Pitkin Ls		Newton County, AR
<i>Archimedes</i>	<i>intermedia</i>	Chester- Pitkin Ls		Searey County, AR
<i>Archimedes</i>	<i>intermedia</i>	Chester- Pitkin Ls		Stone County, AR
<i>Archimedes</i>	<i>intermedia</i>	Chester- Pitkin Ls		Washington County, AR
<i>Archimedes</i>	<i>intermedius</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>intermedius</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>intermedius</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>intermedius</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>intermedius</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>intermedius</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Archimedes</i>	<i>intermedius</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>intermedius</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>intermedius</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>intermedius</i>	Chester	Ruma, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>intermedius</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>intermedius</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>intermedius</i>	Chester- Glen Dean		Grayson County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>intermedius</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>intermedius</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>invaginata</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Archimedes</i>	<i>invaginata</i>	Chester- Pitkin Ls		Independence County, AR
<i>Archimedes</i>	<i>invaginata</i>	Chester- Pitkin Ls		Madison County, AR
<i>Archimedes</i>	<i>invaginata</i>	Chester- Pitkin Ls		Newton County, AR
<i>Archimedes</i>	<i>invaginata</i>	Chester- Pitkin Ls		Searey County, AR
<i>Archimedes</i>	<i>invaginata</i>	Chester- Pitkin Ls		Stone County, AR
<i>Archimedes</i>	<i>invaginata</i>	Chester- Pitkin Ls		Washington County, AR
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Chester, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>invaginatus</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>invaginatus</i>	Chester- Glen Dean		Grayson County, KY
<i>Archimedes</i>	<i>invaginatus</i>	Chester- Glen Dean		Martin County, IN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>invaginatus</i>	Chester- Glen Dean		Orange County, IN
<i>Archimedes</i>	<i>invaginatus</i>	Chester- Glen Dean		Perry County, IN
<i>Archimedes</i>	<i>invaginatus</i>	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>invaginatus</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>invaginatus</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>invaginatus</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>invaginatus-meekanoides</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>invaginatus-remotus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>kentuckiensis</i>	Keokuk- Floyds Knob	Mitchell Hill, KY	Jefferson County, KY
<i>Archimedes</i>	<i>laticolvis</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>laticolvis</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>laticolvis</i>	Chester- Glen Dean		Grayson County, KY
<i>Archimedes</i>	<i>laticolvis</i>	Chester- Glen Dean		Perry County, IN
<i>Archimedes</i>	<i>laticolvis</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>laticolvis</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>laticolvis</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>laticolvis</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>laxiformis</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>laxus</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>laxus</i>	Chester	Baldwin, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>laxus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>laxus</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>laxus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>laxus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>laxus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>laxus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>laxus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>laxus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>laxus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>laxus</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>lunatus</i>	Chester- Pitkin Ls	Locust Grove, AR	Independence County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>lunatus</i>	Chester- Pitkin Ls	Timbo, AR	Stone County, AR
<i>Archimedes</i>	<i>lunatus</i>	Chester- Pitkin Ls	West Fork, AR	Washington County, AR
<i>Archimedes</i>	<i>macfarlani</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Archimedes</i>	<i>macfarlani</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Archimedes</i>	<i>macfarlani</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>macfarlani</i>	Chester- Glen Dean		Orange County, IN
<i>Archimedes</i>	<i>macfarlani</i>	Chester- Glen Dean		Perry County, IN
<i>Archimedes</i>	<i>macfarlani</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>macfarlani</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>macfarlani</i>	Great Blue ls	Utah County, UT	Utah County, UT
<i>Archimedes</i>	<i>magnus</i>	Chester- Pitkin Ls	Locust Grove, AR	Independence County, AR
<i>Archimedes</i>	<i>magnus</i>	Chester- Pitkin Ls	Timbo, AR	Stone County, AR
<i>Archimedes</i>	<i>magnus</i>	Chester- Pitkin Ls	West Fork, AR	Washington County, AR
<i>Archimedes</i>	<i>mcfarlani</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>meekanoides</i>	Chester	Carter County, OK	Carter County, OK
<i>Archimedes</i>	<i>meekanoides</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>meekanoides</i>	Chester- Glen Dean		Grayson County, KY
<i>Archimedes</i>	<i>meekanoides</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>meekanus</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>meekanus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>meekanus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Carter County, OK	Carter County, OK
<i>Archimedes</i>	<i>meekanus</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>meekanus</i>	Chester	Crittenden County,	Crittenden County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			KY	KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Grayson, KY	Grayson County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>meekanus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>meekanus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>meekanus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>meekanus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>meekanus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>meekanus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>meekanus</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>meekanus</i>	Chester- Glen Dean		Grayson County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester- Glen Dean		Perry County, IN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>meekanus</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>meekanus</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>meekanus- conicus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>negligens</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Archimedes</i>	<i>negligens</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Archimedes</i>	<i>negligens</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Archimedes</i>	<i>negligens</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Adams County, IL	Adams County, IL
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Clark County, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Quincy, IL	Adams County, IL
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Archimedes</i>	<i>owenanus</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Archimedes</i>	<i>owenanus</i>	Manning Canyon sh	Tooele County, UT	Tooele County, UT
<i>Archimedes</i>	<i>owenanus</i>	Warsaw	Keokuk, IA	Lee County, IA
<i>Archimedes</i>	<i>paralaxus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>perminimus</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>perminimus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>perminimus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester	Carter County, OK	Carter County, OK
<i>Archimedes</i>	<i>perminimus</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>perminimus</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>perminimus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>perminimus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester	Meade County, KY	Meade County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>perminimus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>perminimus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>perminimus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>perminimus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>perminimus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>perminimus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>pitkinensis</i>	Chester	Carter County, OK	Carter County, OK
<i>Archimedes</i>	<i>proutana</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Archimedes</i>	<i>proutana</i>	Chester- Pitkin Ls		Independence County, AR
<i>Archimedes</i>	<i>proutana</i>	Chester- Pitkin Ls		Madison County, AR
<i>Archimedes</i>	<i>proutana</i>	Chester- Pitkin Ls		Newton County, AR
<i>Archimedes</i>	<i>proutana</i>	Chester- Pitkin Ls		Searey County, AR
<i>Archimedes</i>	<i>proutana</i>	Chester- Pitkin Ls		Stone County, AR
<i>Archimedes</i>	<i>proutana</i>	Chester- Pitkin Ls		Washington County, AR
<i>Archimedes</i>	<i>proutanus</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>proutanus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>proutanus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>proutanus</i>	Chester	Crittenden County,	Crittenden County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			KY	KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>proutanus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>proutanus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>proutanus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>proutanus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>proutanus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>proutanus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>proutanus</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>proutanus</i>	Chester- Glen Dean		Grayson County, KY
<i>Archimedes</i>	<i>proutanus</i>	Chester- Glen Dean		Perry County, IN
<i>Archimedes</i>	<i>proutanus</i>	Chester- Glen Dean		Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>proutanus</i>	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>proutanus</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>proutanus</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>pseudoswallovanus</i>	Chester	Carter County, OK	Carter County, OK
<i>Archimedes</i>	<i>regina</i>	Lower Carboniferous	Malmoe Parish	QLD, AU
<i>Archimedes</i>	<i>rigidus</i>	Chester	Carter County, OK	Carter County, OK
<i>Archimedes</i>	<i>spiralis</i>	Lower Carboniferous	Malmoe Parish	QLD, AU
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Carter County, OK	Carter County, OK
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Meade County, KY	Meade County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>sublaxus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>sublaxus</i>	Chester- Glen Dean		Grayson County, KY
<i>Archimedes</i>	<i>swallowana</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Archimedes</i>	<i>swallowana</i>	Chester- Pitkin Ls		Independence County, AR
<i>Archimedes</i>	<i>swallowana</i>	Chester- Pitkin Ls		Madison County, AR
<i>Archimedes</i>	<i>swallowana</i>	Chester- Pitkin Ls		Newton County, AR
<i>Archimedes</i>	<i>swallowana</i>	Chester- Pitkin Ls		Searey County, AR
<i>Archimedes</i>	<i>swallowana</i>	Chester- Pitkin Ls		Stone County, AR
<i>Archimedes</i>	<i>swallowana</i>	Chester- Pitkin Ls		Washington County, AR
<i>Archimedes</i>	<i>swallowanus</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>swallowanus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>swallowanus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>swallowanus</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>swallowanus</i>	Chester	Crittenden County,	Crittenden County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			KY	KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester	St. Genevieve, MO	St. Lane County, MO
<i>Archimedes</i>	<i>swallovanus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>swallovanus</i>	Chester- Bird Spring Form.		Clark County, NV
<i>Archimedes</i>	<i>swallovanus</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester- Glen Dean		Crawford County, IN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>swallovanus</i>	Chester- Glen Dean		Grayson County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester- Glen Dean		Perry County, IN
<i>Archimedes</i>	<i>swallovanus</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>swallovanus</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>symmetricus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Anna, IL	Union County, IL
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Chester, IL	Randolf County, IL
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Grayson, KY	Grayson County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Huntsville, AL	Madison County, AL
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Meade County, KY	Meade County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Smithland, KY	Livingston County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>terebriformis</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester- Glen Dean		Crawford County, IN
<i>Archimedes</i>	<i>terebriformis</i>	Chester- Glen Dean		Perry County, IN
<i>Archimedes</i>	<i>terebriformis</i>	Chester- Glen Dean		Pulaski County, KY
<i>Archimedes</i>	<i>terebriformis</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Archimedes</i>	<i>terebriformis</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Archimedes</i>	<i>tortuosus</i>	Chester		Illinois Basin
<i>Archimedes</i>	<i>welleri</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Archimedes</i>	<i>wortheni</i>	Keokuk	LaGrange, MO	Clark County, MO
<i>Archimedes</i>	<i>wortheni</i>	Keokuk	Wayland, MO	Hancock County, IL
<i>Archimedes</i>	<i>wortheni</i>	Warsaw	Bentonsport, IA	Van Buren County, IA
<i>Archimedes</i>	<i>wortheni</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Archimedes</i>	<i>wortheni</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Archimedes</i>	<i>wortheni</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Archimedes</i>	<i>wortheni</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Archimedes</i>	<i>wortheni</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Archimedes</i>	<i>wortheni</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Archimedes</i>	<i>wortheni</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Archimedes</i>	<i>wortheni</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Archimedes</i>	xxx	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Archimedes</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Archimedes</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Archimedes</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Archimedes</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Archimedes</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Archimedes</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Archimedes</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Archimedes</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Archimedes</i>	xxx	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Ascondictyon</i>	<i>sparsum</i>	Chester		Illinois Basin
<i>Ascondictyon</i>	<i>parvulum</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Ascondictyon</i>	<i>sparsum</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Ascondictyon</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Ascondictyon</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Ascopora</i>	<i>djeskzganica</i>	Namurian/Serpukhovian		Kazakhstan
<i>Ascopora</i>	<i>instensis</i>	Visean		Russian Platform, Russia
<i>Ascopora</i>	<i>macella</i>	Chester- Chainman Shale	Juab County, Utah	Juab County, UT
<i>Ascopora</i>	<i>mstensis</i>	Visean	podmoskovnii	Russian Platform
<i>Ascopora</i>	<i>primitiva</i>	Visean	podmoskovnii	Russian Platform
<i>Ascopora</i>	<i>primitiva</i>	Visean		Russian Platform, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Ascopora</i>	<i>tricellata</i>	Mid/Upper Carboniferous		Altai Kraj, Russia
<i>Ascopora</i>	<i>tricellata</i>	Mid/Upper Carboniferous		Russian Platform, Russia
<i>Ascopora</i>	<i>tricellata</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Ascopora</i>	<i>tricellata</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Ascopora</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Ascopora</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Astralochoa</i>	<i>helenae</i>	Chester	Lincoln County, WY	Lincoln County, WY
<i>Astralochoa</i>	<i>helenae</i>	Chester	Toole County, UT	Toole County, UT
<i>Atactotoechus</i>	<i>crustasus</i>	Tourinasean	Central Kazakhstan	Central Kazakhstan
<i>Atactotoechus</i>	<i>crustasus</i>	Tourinasean		Central Kazakhstan
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Bactropora</i>	<i>simplex</i>	Keokuk	St. Francisville, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Bactropora</i>	<i>simplex</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Bactropora</i>	<i>simplex</i>	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Baculopora</i>	<i>megastoma</i>	Arundian		Donegal County
<i>Baculopora</i>	<i>megastoma</i>	Asbian		Roscommon County
<i>Baculopora</i>	<i>megastoma</i>	Asbian- Glencar ls		Fermanagh County
<i>Baculopora</i>	<i>megastoma</i>	Asbian- Glencar ls		Roscommon County
<i>Baculopora</i>	<i>megastoma</i>	Brigantian		Kildare County
<i>Baculopora</i>	<i>megastoma</i>	Brigantian		Tyrone County
<i>Baculopora</i>	<i>megastoma</i>	Dinantian		Leitrim County
<i>Baculopora</i>	<i>megastoma</i>	Visean		Kildare County
<i>Baculopora</i>	<i>megastome</i>	Asbian- Glencar ls		Fermanagh County
<i>Baculopora</i>	xxx	Asbian- Glencar ls	Carrick Lough	Fermanagh County
<i>Baculopora</i>	xxx	Dinantian	Killuckin, Carrick-on-Shannon	Roscommon County
<i>Baculopora</i>	xxx	Visean	Ardpodien	Kildare County
<i>Baculopora</i>	xxx	Visean	Killymeal, Dungannon	Tyrone County
<i>Baculopora</i>	xxx	Visean- Bundoran sh	Portmaheene, Rossknowlagh	Donegal County
<i>Banastella</i>	<i>guensburgi</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Banastella</i>	<i>limitaris</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Banastella</i>	<i>mediocreforma</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Batostomella</i>	<i>abrupta</i>	Chester	Anna, IL	Union County, IL
<i>Batostomella</i>	<i>abrupta</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Batostomella</i>	<i>abrupta</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Chester, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Batostomella</i>	<i>abrupta</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Huntsville, AL	Madison County, AL
<i>Batostomella</i>	<i>abrupta</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Batostomella</i>	<i>abrupta</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Meade County, KY	Meade County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Batostomella</i>	<i>abrupta</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Redbud, IL	Randolf County, IL
<i>Batostomella</i>	<i>abrupta</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Batostomella</i>	<i>abrupta</i>	Chester	Ruma, IL	Randolf County, IL
<i>Batostomella</i>	<i>abrupta</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Smithland, KY	Livingston County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Batostomella</i>	<i>abrupta</i>	Chester		Illinois Basin
<i>Batostomella</i>	<i>bundoranensis</i>	upper Calp shale	Bundoran, Ireland	Donegal County
<i>Batostomella</i>	<i>concentra</i>	Visean	doneckni	Rostov Oblast, Russia
<i>Batostomella</i>	<i>digna</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Batostomella</i>	<i>digna tenera</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Batostomella</i>	<i>dubia</i>	Chester- Moorefield Shale	Spring Creek, MO	Independence County, AR
<i>Batostomella</i>	<i>foeda</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Batostomella</i>	<i>granulosa</i>	Lower Carboniferous		Turkestan
<i>Batostomella</i>	<i>interstincta</i>	St. Genevieve	Caldwell County, KY	Caldwell County, KY
<i>Batostomella</i>	<i>interstincta</i>	St. Genevieve	Princeton, KY	Caldwell County, KY
<i>Batostomella</i>	<i>interstincta</i>	St. Genevieve	Rosiclare, IL	Hardin County, IL
<i>Batostomella</i>	<i>interstincta</i>	St. Genevieve	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Batostomella</i>	<i>interstincta</i>	St. Louis	Pella, IA	Marion County, IA
<i>Batostomella</i>	<i>ivanovi</i>	Lower Carboniferous		Turkestan
<i>Batostomella</i>	<i>ivanovi</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Batostomella</i>	<i>lineata</i>	Lower Carboniferous	Barrington Tops	NSW, AU
<i>Batostomella</i>	<i>nitidula</i>	Chester	Anna, IL	Union County, IL
<i>Batostomella</i>	<i>nitidula</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Batostomella</i>	<i>nitidula</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester	Chester, IL	Randolf County, IL
<i>Batostomella</i>	<i>nitidula</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester	Huntsville, AL	Madison County, AL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Batostomella</i>	<i>nitidula</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Batostomella</i>	<i>nitidula</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester	Meade County, KY	Meade County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Batostomella</i>	<i>nitidula</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester	Redbud, IL	Randolf County, IL
<i>Batostomella</i>	<i>nitidula</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Batostomella</i>	<i>nitidula</i>	Chester	Ruma, IL	Randolf County, IL
<i>Batostomella</i>	<i>nitidula</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester	Smithland, KY	Livingston County, KY
<i>Batostomella</i>	<i>nitidula</i>	chester	St. Genevieve, MO	St. Lane County, MO
<i>Batostomella</i>	<i>nitidula</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Batostomella</i>	<i>nitidula</i>	Chester		Illinois Basin
<i>Batostomella</i>	<i>nitidula</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Batostomella</i>	<i>nitidula</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Batostomella</i>	<i>parvula</i>	Chester- Moorefield Shale	Spring Creek, MO	Independence County, AR
<i>Batostomella</i>	<i>penita</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Batostomella</i>	<i>peristoma</i>	Visean	podmoskovnii	Russian Platform

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Batostomella</i>	<i>shishovae</i>	Visean	podmoskovnii	Russian Platform
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Anna, IL	Union County, IL
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Chester, IL	Randolf County, IL
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Huntsville, AL	Madison County, AL
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Meade County, KY	Meade County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Redbud, IL	Randolf County, IL
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Ruma, IL	Randolf County, IL
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Smithland, KY	Livingston County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Batostomella</i>	<i>spinulosa</i>	Chester		Illinois Basin

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Batostomella</i>	<i>spinulosa</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Batostomella</i>	<i>spinulosa</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Batostomella</i>	<i>vaskovoensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Batostomella</i>	<i>vaskovoensis</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Batostomella</i>	<i>vaskovoensis</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Batostomella</i>	xxx	Asbian	Llandudno, North Wales	North Wales
<i>Batostomella</i>	xxx	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales
<i>Batostomella</i>	xxx	Chester- Greenbrier		Somerset County, PA
<i>Batostomella</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Batostomella</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Batostomella</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Batostomella</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Batostomella</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Batostomella</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Batostomella</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Batostomella</i>	xxx	Dinantian	Llandudno, North Wales	North Wales
<i>Berenicea</i>	xxx	Lower Carboniferous		Donets'ka, Ukraine

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Berenicea</i>	xxx	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Callocladia</i>	<i>jensensis</i>	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Callocladia</i>	<i>orientalis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Callocladia</i>	<i>orientalis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Callocladia</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Callocladia</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Callocladia</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Cheilotrypa</i>	<i>choanjiensis</i>	Lower Carboniferous-Hikoroichi ls		Morioka Province, Japan
<i>Cheilotrypa</i>	<i>distans</i>	Chester	Carter County, OK	Carter County, OK
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Anna, IL	Union County, IL
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Chester, IL	Randolf County, IL
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Huntsville, AL	Madison County, AL
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Cheilotrypa</i>	<i>hispidia</i>	Chester	Litchfield, KY	Grayson County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Meade County, KY	Meade County, KY
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Redbud, IL	Randolf County, IL
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Ruma, IL	Randolf County, IL
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Smithland, KY	Livingston County, KY
<i>Cheilotrypa</i>	<i>hispida</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Cheilotrypa</i>	<i>hispida</i>	Chester		Illinois Basin
<i>Cheilotrypa</i>	<i>uncata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Cheilotrypa</i>	<i>variana</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Cheilotrypa</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Cheilotrypa</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Cheilotrypa</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Cheilotrypa</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Cheilotrypa</i>	xxx	Chester- Pitkin Ls		Searey County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cheilotrypa</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Cheilotrypa</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Cheilotrypa</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Cheilotrypa</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Cheilotrypa</i>	xxx	Mooney Falls	Mohave County, AZ	Mohave County, AZ
<i>Cheilotrypa</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Clausotrypa</i>	<i>ramosa</i>	Asbian- Glencar ls		Fermanagh County
<i>Clausotrypa</i>	<i>ramosa</i>	Asbian- Glencar ls		Tyrone County
<i>Cliocystiramus</i>	<i>grandis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Cliocystiramus</i>	<i>typicus</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Cliocystiramus</i>	<i>typicus</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Cliocystiramus</i>	<i>uncatus</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Cliocystiramus</i>	<i>uncatus</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cliotrypa</i>	xxx	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Coelotubulipora</i>	<i>bicurva</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Coelotubulipora</i>	<i>euspinosa</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Coelotubulipora</i>	<i>euspinosa</i> <i>elaustubulosa</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Coelotubulipora</i>	<i>euspinosa</i> <i>ferodiaphragma</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Coelotubulipora</i>	<i>interminuta</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Coelotubulipora</i>	<i>oblique</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Coelotubulipora</i>	<i>superhemisepta</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Coelotubulipora</i>	<i>superhemisepta</i> <i>elaustubulosa</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Coelotubulipora</i>	<i>superhemisepta</i> <i>torquicuticula</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Coscinium</i>	<i>asteria</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>elegans</i>	St. Louis	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>elegans</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>escharensense</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>keyserlingi</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>latum</i>	Burlington	Burlington, IA	Des Moines County, IA

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Coscinium</i>	<i>latum</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Coscinium</i>	<i>latum</i>	Burlington	Hannibal, MO	Marion County, MO
<i>Coscinium</i>	<i>latum</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Coscinium</i>	<i>latum</i>	Burlington	Quincy, IL	Adams County, IL
<i>Coscinium</i>	<i>latum</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Coscinium</i>	<i>melinina</i>	St. Louis	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>melinina</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>plumosum</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Coscinium</i>	<i>plumosum</i>	St. Louis	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>plumosum</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>saganella</i>	St. Louis	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>saganella</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>tuberculatum</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	<i>wortheni</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Coscinium</i>	xxx	Lower Carboniferous-grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Coscinotrypa</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Cubifenestella</i>	<i>multinodosa</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Cubifenestella</i>	<i>rudis</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Cyclopora</i>	<i>discoidea</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Button Mole Knob,	Bullitt County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			KY	
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cyclopora</i>	<i>expatiata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cyclopora</i>	<i>fungia</i>	Chester		Illinois Basin
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cyclopora</i>	<i>fungia</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cyclopora</i>	<i>fungia</i>	Waverly	Burbank, OH	Wayne County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cyclopora</i>	<i>fungia</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Cyclopora</i>	<i>fungia</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Cyclopora</i>	<i>fungia</i>	Waverly	Lodi, OH	Medina County, OH
<i>Cyclopora</i>	<i>fungia</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Cyclopora</i>	<i>fungia</i>	Waverly	Newark, OH	Licking County, OH
<i>Cyclopora</i>	<i>fungia</i>	Waverly	Richfield, OH	Summit County, OH
<i>Cyclopora</i>	<i>fungia</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Cyclopora</i>	<i>polymorpha</i>	Chester	Pope County, IL	Pope County, IL
<i>Cyclopora</i>	<i>polymorpha</i>	Chester		Illinois Basin
<i>Cyclopora</i>	<i>polymorpha</i>	Chester	Pope County, IL	Pope County, IL
<i>Cyclopora</i>	xxx	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cycloporella</i>	<i>perversa</i>	Keokuk	Warsaw, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cycloporella</i>	<i>spinifera</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cyclotrypa</i>	<i>laminata</i>	Tourinasean	Central Kazakhstan	Central Kazakhstan
<i>Cyclotrypa</i>	<i>laminata</i>	Tourinasean	Kazakhstan	Kazakhstan
<i>Cyclotrypa</i>	<i>laminata</i>	Tourinasean		Central Kazakhstan
<i>Cyclotrypa</i>	xxx	Lower Carboniferous		Yamaguchi Prefecture, Honshu, Japan
<i>Cystiramus</i>	<i>irregularis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Cystiramus</i>	<i>irregularis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cystiramus</i>	<i>irregularis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiaheyen	Hui Autonomous Region, Ningxia, China
<i>Cystiramus</i>	<i>lenticularis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Cystiramus</i>	<i>orbicularis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Cystiramus</i>	<i>orbicularis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Cystiramus</i>	<i>orbicularis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Cystiramus</i>	<i>orbicularis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Lagrange, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cystodictya</i>	<i>americana</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cystodictya</i>	<i>americana</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cystodictya</i>	<i>americana</i>	Lower Carboniferous		Donets'ka, Ukraine
<i>Cystodictya</i>	<i>americana</i>	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Cystodictya</i>	<i>americana</i>	Lower Carboniferous		Turkestan
<i>Cystodictya</i>	<i>angusta</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Cystodictya</i>	<i>angusta</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Cystodictya</i>	<i>angusta</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Cystodictya</i>	<i>angusta</i>	Waverly	Lodi, OH	Medina County, OH
<i>Cystodictya</i>	<i>angusta</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Cystodictya</i>	<i>angusta</i>	Waverly	Newark, OH	Licking County, OH
<i>Cystodictya</i>	<i>angusta</i>	Waverly	Richfield, OH	Summit County, OH
<i>Cystodictya</i>	<i>angusta</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Cystodictya</i>	<i>astricta</i>	Chester- Chainman Shale	Juab County, Utah	Juab County, UT
<i>Cystodictya</i>	<i>dichotoma</i>	Lower Carboniferous		Turkestan
<i>Cystodictya</i>	<i>labiosa</i>	Chester		Illinois Basin
<i>Cystodictya</i>	<i>latum</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Cystodictya</i>	<i>latum</i>	Burlington	Calhoun County, IL	Calhoun County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cystodictya</i>	<i>latum</i>	Burlington	Quincy, IL	Adams County, IL
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Caney Creek, KY	Russell County, KY
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Celina, TN	Clay County, TN
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cystodictya</i>	<i>lineata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cystodictya</i>	<i>lineata</i>	Lower Carboniferous		Donets'ka, Ukraine
<i>Cystodictya</i>	<i>lineata</i>	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Cystodictya</i>	<i>lineata</i>	Warsaw		Hardin County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Alton, IL	Madison County, IL
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Cystodictya</i>	<i>lineata-major</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Alton, IL	Madison County, IL
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Colesburg, KY	Hardin County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Cystodictya</i>	<i>lineata-sancti-ludovici</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Greene County, IL	Greene County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cystodictya</i>	<i>nitida</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Caney Creek, KY	Russell County, KY
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cystodictya</i>	<i>ocellata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Button Mole Knob,	Bullitt County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			KY	
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Celina, TN	Clay County, TN
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cystodictya</i>	<i>pustulosa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cystodictya</i>	<i>pustulosa</i>	Warsaw		Hardin County, IL
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Lagrange, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cystodictya</i>	<i>simulans</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cystodictya</i>	<i>simulans</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Cystodictya</i>	<i>simulans</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Cystodictya</i>	<i>simulans</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Cystodictya</i>	<i>simulans</i>	Waverly	Lodi, OH	Medina County, OH
<i>Cystodictya</i>	<i>simulans</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Cystodictya</i>	<i>simulans</i>	Waverly	Newark, OH	Licking County, OH
<i>Cystodictya</i>	<i>simulans</i>	Waverly	Richfield, OH	Summit County, OH
<i>Cystodictya</i>	<i>simulans</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Cystodictya</i>	xxx	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Cystodictya</i>	xxx	Mooney Falls	Mohave County, AZ	Mohave County, AZ
<i>Cystodictya</i>	xxx	Mooney Falls	Yavapai County, AZ	Yavapai County, AZ
<i>Cystodictya</i>	xxx	St. Louis- Unnamed group	Paradise, AZ	Cochise County, AZ
<i>Cystodictya</i>	xxx	Thunder Springs	Yavapai County, AZ	Yavapai County, AZ
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Greene County, IL	Greene County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Cystodictya</i>	<i>zigzag</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Cystodictya</i>	<i>zigzag</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Cystodictya</i>	<i>zigzag</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Cystodictya</i>	<i>zigzag</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Cystodictya</i>	<i>zigzag</i>	Waverly	Lodi, OH	Medina County, OH
<i>Cystodictya</i>	<i>zigzag</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Cystodictya</i>	<i>zigzag</i>	Waverly	Newark, OH	Licking County, OH
<i>Cystodictya</i>	<i>zigzag</i>	Waverly	Richfield, OH	Summit County, OH
<i>Cystodictya</i>	<i>zigzag</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Dekayia</i>	<i>intervacara</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Dekayia</i>	<i>ramosa</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Dekayia</i>	<i>ramosa</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Dekayia</i>	<i>vana</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Dekayia</i>	<i>varionodata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Anna, IL	Union County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Chester, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Huntsville, AL	Madison County, AL
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Meade County, KY	Meade County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Redbud, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Ruma, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Smithland, KY	Livingston County, KY
<i>Dichotrypa</i>	<i>bifurcata</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Alton, IL	Madison County, IL
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Clarksville, TN	Montgomery County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				TN
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Jersey County, IL	Jersey County, IL
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Monroe County, IL	Monroe County, IL
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Dichotrypa</i>	<i>elegans</i>	St. Louis- Unnamed group	Paradise, AZ	Cochise County, AZ
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Alton, IL	Madison County, IL
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Eddyville, KY	Lyon County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Dichotrypa</i>	<i>expatiata</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Dichotrypa</i>	<i>flabellum</i>	Lower Carboniferous		Turkestan
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Alton, IL	Madison County, IL
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Spergen, IN	Washington County, IN
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Dichotrypa</i>	<i>flabellum</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Dichotrypa</i>	<i>fragilis</i>	Lower Carboniferous	Barrington Tops	NSW, AU
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Alton, IL	Madison County, IL
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Dichotrypa</i>	<i>intermedia</i>	St. Louis	Waterloo, IL	Monroe County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Alton, IL	Madison County, IL
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Dichotrypa</i>	<i>lyroides</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Dichotrypa</i>	<i>tiberica</i>	Lower Carboniferous		Turkestan
<i>Dichotrypa</i>	<i>tiberica-ramosa</i>	Lower Carboniferous		Turkestan
<i>Dichotrypa</i>	<i>turkestanica</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Dichotrypa</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Dichotrypa</i>	xxx	Chester- Pitkin Ls		Independence County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Dichotrypa</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Dichotrypa</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Dichotrypa</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Dichotrypa</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Dichotrypa</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Dichotrypa</i>	xxx	Mooney Falls	Mohave County, AZ	Mohave County, AZ
<i>Dichotrypa</i>	xxx	Mooney Falls	Yavapai County, AZ	Yavapai County, AZ
<i>Dichotrypa</i>	xxx	Thunder Springs	Mohave County, AZ	Mohave County, AZ
<i>Dichotrypa</i>	xxx	Warsaw		Hardin County, IL
<i>Dictyoetmon</i>	<i>burlingtonense</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Diplopora</i>	<i>bifurcata</i>	Chester	Chester, IL	Randolf County, IL
<i>Diploporaria</i>	<i>bifurcata</i>	Chester		Illinois Basin
<i>Diploporaria</i>	<i>marginalis</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Diploporaria</i>	<i>marginalis</i>	Asbian- Glencar ls		Fermanagh County
<i>Diploporaria</i>	<i>tenella</i>	Asbian- Glencar ls	Carrick Lough	Fermanagh County
<i>Diploporaria</i>	<i>tenella</i>	Asbian- Glencar ls		Fermanagh County
<i>Diploporaria</i>	xxx	Arundian- Codroy group	Port au Port, Newfoundland	Port au Port, NL
<i>Diploporaria</i>	xxx	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Diploporaria</i>	xxx	Dinantian- Codroy group	Port au Port, Newfoundland	Port au Port, NL
<i>Diploporaria</i>	xxx	Holkerian- Codroy group	Port au Port, Newfoundland	Port au Port, NL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Dybowskiella</i>	<i>crestentica</i>	Lower Carboniferous	Monto	QLD, AU
<i>Dybowskiella</i>	<i>gansuensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Dybowskiella</i>	<i>gansuensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Dybowskiella</i>	<i>lebedewi</i>	Visean	doneckni	Rostov Oblast, Russia
<i>Dybowskiella</i>	<i>pseudosepta</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Dybowskiella</i>	<i>rhomboidea</i>	Lower Carboniferous	Taree Parish	NSW, AU
<i>Dybowskiella</i>	<i>speciosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Dyscritella</i>	xxx	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Dyscritella</i>	<i>ambigua</i>	Lower Carboniferous	Lanarkshire	Lanarkshire
<i>Dyscritella</i>	<i>ambigua</i>	Visean	Pembrokeshire	Pembrokeshire
<i>Dyscritella</i>	<i>ambigua</i>	Visean	S of Warren	Cheshire, Eng
<i>Dyscritella</i>	<i>funneliformis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Dyscritella</i>	<i>funneliformis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Dyscritella</i>	<i>miliaria</i>	Asbian- Glencar ls		Fermanagh County
<i>Dyscritella</i>	<i>miliaria</i>	Tournasian	Redesdale, Northumberland	Northumberland, Eng
<i>Dyscritella</i>	<i>multifida</i>	Lower Carboniferous		Limerick County
<i>Dyscritella</i>	<i>nana</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Dyscritella</i>	<i>nana</i>	Tournasian	King Water	Cumbria, Eng
<i>Dyscritella</i>	<i>nana</i>	Tournasian		Cumberland
<i>Dyscritella</i>	<i>tyronei</i>	Visean- Upper	Tullaghoge	Tyrone County
<i>Dyscritella</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Dyscritella</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Dyscritella</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Dyscritella</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Dyscritella</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Dyscritella</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Dyscritella</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Dyscritella</i>	xxx	Lower Carboniferous		Yamaguchi Prefecture, Honshu, Japan
<i>Dyscritella</i>	xxx	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Dyscritella</i>	xxx	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Dyscritella</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Dyscritella</i>	xxx	Visean- Lower(Hina ls)	54 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Dyscritella</i>	xxx	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Eodyscritella</i>	<i>clatrata</i>	Tourinasean	Central Kazakhstan	Central Kazakhstan
<i>Eodyscritella</i>	<i>clatrata</i>	Tourinasean		Central Kazakhstan
<i>Eridopora</i>	<i>macrostoma</i>	Arundian- Ashfell sst	Ashfell edge Cumbria	Cumbria, Eng
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Anna, IL	Union County, IL
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Chester, IL	Randolf County, IL
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Huntsville, AL	Madison County, AL
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Meade County, KY	Meade County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Newtonville, OH	Muskingum County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				OH
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Redbud, IL	Randolf County, IL
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Ruma, IL	Randolf County, IL
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Smithland, KY	Livingston County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester		Illinois Basin
<i>Eridopora</i>	<i>macrostoma</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Eridopora</i>	<i>macrostoma</i>	Chester- Glen Dean		Perry County, IN
<i>Eridopora</i>	<i>macrostoma</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Eridopora</i>	<i>macrostoma</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Eridopora</i>	<i>macrostoma</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Eridopora</i>	<i>macrostoma</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Eridopora</i>	<i>macrostoma</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Eridopora</i>	<i>macrostoma</i>	Pendleian- Main ls	Hurst, North	North Yorkshire

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			Yorkshire	
<i>Eridopora</i>	<i>macrostoma</i>	Visean	doneckni	Rostov Oblast, Russia
<i>Eridopora</i>	<i>macrostoma</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Eridopora</i>	<i>macrostoma</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Eridopora</i>	<i>occidentalis</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Eridopora</i>	<i>ovalis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Eridopora</i>	<i>ovalis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Eridopora</i>	<i>punctifera</i>	Chester	Anna, IL	Union County, IL
<i>Eridopora</i>	<i>punctifera</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Eridopora</i>	<i>punctifera</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Eridopora</i>	<i>punctifera</i>	Chester	Chester, IL	Randolf County, IL
<i>Eridopora</i>	<i>punctifera</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Eridopora</i>	<i>punctifera</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Eridopora</i>	<i>punctifera</i>	Chester	Huntsville, AL	Madison County, AL
<i>Eridopora</i>	<i>punctifera</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Eridopora</i>	<i>punctifera</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Eridopora</i>	<i>punctifera</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Eridopora</i>	<i>punctifera</i>	Chester	Livingston County, KY	Livingston County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Eridopora</i>	<i>punctifera</i>	Chester	Meade County, KY	Meade County, KY
<i>Eridopora</i>	<i>punctifera</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Eridopora</i>	<i>punctifera</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Eridopora</i>	<i>punctifera</i>	Chester	Redbud, IL	Randolf County, IL
<i>Eridopora</i>	<i>punctifera</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Eridopora</i>	<i>punctifera</i>	Chester	Ruma, IL	Randolf County, IL
<i>Eridopora</i>	<i>punctifera</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Eridopora</i>	<i>punctifera</i>	Chester	Smithland, KY	Livingston County, KY
<i>Eridopora</i>	<i>punctifera</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Eridopora</i>	<i>qilianshanensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Eridopora</i>	<i>qilianshanensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Eridopora</i>	<i>qilianshanensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Eridopora</i>	<i>qilianshanensis amplusa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Eridopora</i>	<i>qilianshanensis amplusa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Eridopora</i>	<i>radiata</i>	Chester	Carter County, OK	Carter County, OK
<i>Eridopora</i>	<i>singula</i>	Tournaisian		Swietokrzyskie Province, Poland
<i>Eridopora</i>	<i>stellata</i>	Chester	Carter County, OK	Carter County, OK
<i>Eridopora</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Eridopora</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Eridopora</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Eridopora</i>	xxx	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Eridopora</i>	xxx	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Eridopora</i>	xxx	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Eridopora</i>	XXX	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Eridotrypa</i>	<i>carbonaria</i>	Lower Carboniferous	Supei	Kansu Province, China
<i>Eulyra</i>	<i>alalensis</i>	Visean- Ishim hor	Betpak-dala desert, Kazak	Qaraghandy, Kazakhstan
<i>Eulyra</i>	<i>karatuzensis</i>	Visean- Ishim hor	Betpak-dala desert, Kazak	Qaraghandy, Kazakhstan
<i>Eulyra</i>	<i>typica</i>	Visean- Ishim hor	Betpak-dala desert, Kazak	Qaraghandy, Kazakhstan
<i>Europora</i>	<i>bilaminata</i>	Shadong fmt	Longhui	Hunan, China
<i>Europora</i>	<i>bilaminata</i>	Shadong fmt	Shadong	Hunan, China
<i>Europora</i>	<i>peculiaris</i>	Shadong fmt	Shadong	Hunan, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Europora</i>	<i>similomesoporis</i>	Shaodong fmt	Shaodong	Hunan, China
<i>Europora</i>	<i>unilaminata</i>	Shaodong fmt	Longhui	Hunan, China
<i>Europora</i>	<i>unilaminata</i>	Shaodong fmt	Shaodong	Hunan, China
<i>Euthyrhombopora</i>	<i>barbara</i>	Tournasean- upper	SE Armenia	SE Armenia
<i>Euthyrhombopora</i>	<i>diaphragmata</i>	Liuiatang fmt	Longhui	Hunan, China
<i>Euthyrhombopora</i>	<i>hunanensis</i>	Mengkungao fmt	Daoxian	Hunan, China
<i>Euthyrhombopora</i>	<i>tripullula</i>	Mengkungao fmt	Daoxian	Hunan, China
<i>Evactinopora</i>	<i>grandis</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Evactinopora</i>	<i>grandis</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Evactinopora</i>	<i>grandis</i>	Burlington	Hannibal, MO	Marion County, MO
<i>Evactinopora</i>	<i>grandis</i>	Burlington	Louisiana, MO	Pike County, MO
<i>Evactinopora</i>	<i>grandis</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Evactinopora</i>	<i>grandis</i>	Burlington	Quincy, IL	Adams County, IL
<i>Evactinopora</i>	<i>grandis</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Evactinopora</i>	<i>irregularis</i>	Lower Carboniferous	Mundowran	QLD, AU
<i>Evactinopora</i>	<i>quinqueradiata</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Evactinopora</i>	<i>quinqueradiata</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Evactinopora</i>	<i>quinqueradiata</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Evactinopora</i>	<i>quinqueradiata</i>	Burlington	Quincy, IL	Adams County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Evactinopora</i>	<i>quiqueradiata</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Evactinopora</i>	<i>radiata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Evactinopora</i>	<i>sexradiata</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Evactinopora</i>	<i>sexradiata</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Evactinopora</i>	<i>sexradiata</i>	Burlington	Louisiana, MO	Pike County, MO
<i>Evactinopora</i>	<i>sexradiata</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Evactinopora</i>	<i>sexradiata</i>	Burlington	Quincy, IL	Adams County, IL
<i>Evactinopora</i>	<i>sexradiata</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Evactinopora</i>	<i>trifoliata</i>	Lower Carboniferous	Glen William	NSW, AU
<i>Exfenestella</i>	<i>exigua</i>	Keokuk	Celina, TN	Clay County, TN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Exfenestella</i>	<i>exigua</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Exfenestella</i>	<i>exigua</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Exfenestella</i>	<i>exigua</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Exfenestella</i>	<i>exigua</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Exfenestella</i>	<i>exigua</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Exfenestella</i>	<i>exigua</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Exfenestella</i>	<i>fidelis</i>	Carboniferous- Early		Mongolia
<i>Exfenestella</i>	<i>ignota</i>	Carboniferous- Early		Mongolia
<i>Fabifenestella</i>	<i>vulgaris</i>	Carboniferous- Early		Mongolia
<i>Fabifenestella</i>	<i>vulgaris</i>	Chester- Otter Fmt	Armington, MT	Cascade County, MT
<i>Fenestella</i>	<i>abyschevoensis</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>acarinata</i>	Humbug ftn	Tooele County, UT	Tooele County, UT
<i>Fenestella</i>	<i>aequalis</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Fenestella</i>	<i>aequalis</i>	Burlington-Chouteau Group	Cooper County, MO	Cooper County, MO
<i>Fenestella</i>	<i>aequalis</i>	Burlington-Chouteau Group	Pettis County, MO	Pettis County, MO
<i>Fenestella</i>	<i>albida</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>albida</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>albida</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>albida</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>albida</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>albida</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>albida</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>albida</i>	Waverly	Sciotoville, OH	Scioto County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>alexinensis</i>	Lower Carboniferous		Xianza, Tibet
<i>Fenestella</i>	<i>alexinensis</i>	Lower Carboniferous-Aleksinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>alexinensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>alternata</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Fenestella</i>	<i>alternata</i>	Burlington-Chouteau Group	Cooper County, MO	Cooper County, MO
<i>Fenestella</i>	<i>alternata</i>	Burlington-Chouteau Group	Pettis County, MO	Pettis County, MO
<i>Fenestella</i>	<i>ampla</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>ampla</i>	Lower Carboniferous-Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>ampla</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>ampla</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>ampla</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Fenestella</i>	<i>ampla</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fenestella</i>	<i>angusta</i>	Lower Carboniferous-grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>angustata</i>	Lower Carboniferous		Pahang, Malaysia
<i>Fenestella</i>	<i>angustata</i>	Visean	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>angustata</i>	Visean	Rothwaltersdorf in Schlesien	Silesia, Poland
<i>Fenestella</i>	<i>angustata</i>	Visean- Sungi Terapai Shale		Kuantan, NE Pahang, Malaya
<i>Fenestella</i>	<i>anhorica</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>aperta</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>aperta</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>aperta</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>aperta</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>aperta</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>aperta</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>aperta</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>aperta</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>asiatica</i>	Lower Carboniferous- Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>asiatica</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>astjensis</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>aydagarlensis</i>	Tourinasean	Central Kazakhstan	Central Kazakhstan
<i>Fenestella</i>	<i>aydagarlensis</i>	Tourinasean		Central Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>banyana</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Fenestella</i>	<i>banyana</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Fenestella</i>	<i>banyana</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>banyana</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>banyana</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>banyana</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>banyana</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>banyana</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>banyana</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>banyana</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>benskiensis</i>	Lower Carboniferous-Tarusk Horizon		Russian Platform
<i>Fenestella</i>	<i>benskiensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>beschevensis</i>	Visean	doneckni	Rostov Oblast, Russia
<i>Fenestella</i>	<i>beschevensis</i>	Visean	Weining	Guizhou Province, China
<i>Fenestella</i>	<i>bicellulata</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Fenestella</i>	<i>bicellulata</i>	Visean		East Kilbride, Scotland
<i>Fenestella</i>	<i>binodosa</i>	Visean	Tarusk Horizon	Vologda Oblast, Russia
<i>Fenestella</i>	<i>bitenax</i>	Namurian		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>brownei</i>	Tournasean-Bingleburra	Lewinsbrook, NSW	NSW, AU

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>buguniensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>buguniensis</i>	Lower Carboniferous-Hikoroichi Is		Morioka Province, Japan
<i>Fenestella</i>	<i>burlingtonensis</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Fenestella</i>	<i>burlingtonensis</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Fenestella</i>	<i>burlingtonensis</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Fenestella</i>	<i>burlingtonensis</i>	Burlington	Quincy, IL	Adams County, IL
<i>Fenestella</i>	<i>burlingtonensis</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Fenestella</i>	<i>burlingtonensis</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>burlingtonensis</i>	Chester- Glen Dean	Leopold, IN	Perry County, IN
<i>Fenestella</i>	<i>burlingtonensis</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>burlingtonensis</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>burlingtonensis</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>burlingtonensis</i>	Waverly	Lodi, OH	Medina County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>burlingtonensis</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>burlingtonensis</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>burlingtonensis</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>burlingtonensis</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>carinata</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Fenestella</i>	<i>cavernosa</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>cavernosa</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>cavernosa</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>cavernosa</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>cavernosa</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>cavernosa</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>cavernosa</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>cavernosa</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>cellulosa</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Anna, IL	Madison County, IL
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Anna, IL	Union County, IL
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Chester, IL	Randolf County, IL
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Crittenden County, KY	Crittenden County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Huntsville, AL	Madison County, AL
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Meade County, KY	Meade County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Smithland, KY	Livingston County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Fenestella</i>	<i>cestriensis</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>cestriensis</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Fenestella</i>	<i>cestriensis</i>	Chester- Glen Dean	Eckerty, IN	Crawford County, IN
<i>Fenestella</i>	<i>cestriensis</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Fenestella</i>	<i>cestriensis</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>cestriensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>cestriensis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>cestriensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>chengqianggouensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>chengqianggouensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>chengqianggouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	<i>chengqianggouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fenestella</i>	<i>chengqianggouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fenestella</i>	<i>chesterensis</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>chotoshinensis</i>	Lower Carboniferous-Venevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>chotoshinensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>chouniugouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>chouniugouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	<i>chouniugouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fenestella</i>	<i>chouniugouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>chouniugouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fenestella</i>	<i>cingulata</i>	Keokuk	Warsaw, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>cingulata</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>compressa</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Celina, TN	Clay County, TN
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fenestella</i>	<i>compressa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fenestella</i>	<i>compressa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>compressa</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Fenestella</i>	<i>compressa</i>	Lower Carboniferous		Turkestan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>compressa</i>	Visean	Kleinobs bei Velbert	North Rhine-Westphalia, Germany
<i>Fenestella</i>	<i>compressa</i>	Visean	Rothwaltersdorf in Schlesien	Silesia, Poland
<i>Fenestella</i>	<i>compressa</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>compressa-aksaensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>compressa-kaindiensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>confusa</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>corpulenta</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>corpulenta</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>corpulenta</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>crassistereoma</i>	Lower Carboniferous-Hikoroichi ls		Morioka Province, Japan
<i>Fenestella</i>	<i>cribriformis</i>	Lower Carboniferous-Hikoroichi ls		Morioka Province, Japan
<i>Fenestella</i>	<i>crookfordae</i>	Humbug ftn	Tooele County, UT	Tooele County, UT
<i>Fenestella</i>	<i>cummingsi</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>cummingsi</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Fenestella</i>	<i>cummingsi</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>delicata</i>	Waverly	Burbank, OH	Wayne County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>delicata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>delicata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>delicata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>delicata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>delicata</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>delicata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>delicata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>densimura</i>	Mengkungao fmt	Daoxian	Hunan, China
<i>Fenestella</i>	<i>densimura</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Fenestella</i>	<i>diaporata</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>diaporata</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>diaporata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>diaporata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	<i>diaporata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fenestella</i>	<i>dissepinodaria</i>	Great Blue ls	Tooele County, UT	Tooele County, UT
<i>Fenestella</i>	<i>donaica</i>	Lower Carboniferous		Donets'ka, Ukraine

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>donaica</i>	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Fenestella</i>	<i>donaica</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>donaica</i>	Lower Carboniferous		Xianza, Tibet
<i>Fenestella</i>	<i>donaica</i>	Lower Carboniferous- Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>donaica</i>	Lower Carboniferous- upper		Baxoi County, Tibet
<i>Fenestella</i>	<i>donaica</i>	Lower Carboniferous- upper		Markan County, Tibet
<i>Fenestella</i>	<i>donaica</i>	Lower Carboniferous- upper		Rutog County, Tibet
<i>Fenestella</i>	<i>donaica</i>	Lower Carboniferous- upper		Zogang County, Tibet
<i>Fenestella</i>	<i>donaica</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>donaica</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>donaica</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Fenestella</i>	<i>donaica</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>donaiciformis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>ejuncida</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Anna, IL	Union County, IL
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Chester, IL	Randolf County, IL
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Huntsville, AL	Madison County, AL
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Meade County, KY	Meade County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Redbud, IL	Randolf County, IL
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Ruma, IL	Randolf County, IL
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Smithland, KY	Livingston County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Fenestella</i>	<i>elevatipora</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>erkovae</i>	Lower Carboniferous-Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>erkovae</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>exigua</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>exigua</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>exigua</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Fenestella</i>	<i>exigua</i>	Chester- Glen Dean	Eckerty, IN	Crawford County, IN
<i>Fenestella</i>	<i>exigua</i>	Chester- Glen Dean	Leopold, IN	Perry County, IN
<i>Fenestella</i>	<i>exigua</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>exigua</i>	Lower Carboniferous-Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>exigua</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>exigua</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>exigua</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>exigua</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Fenestella</i>	<i>exigua</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>exigua</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>exigua</i>	Waverly	Hillsdale, MI	Hillsdale County, MI

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>exigua</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>exigua</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>exigua</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>exigua</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>exigua</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>fabagina</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>fabagina</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>fabagina</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>ferganensis</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>filistriata</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Fenestella</i>	<i>filistriata</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Fenestella</i>	<i>filistriata</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Fenestella</i>	<i>filistriata</i>	Burlington	Montezuma, IL	Pike County, MO
<i>Fenestella</i>	<i>filistriata</i>	Burlington	Quincy, IL	Adams County, IL
<i>Fenestella</i>	<i>filistriata</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Fenestella</i>	<i>filistriata</i>	Keokuk	Celina, TN	Clay County, TN
<i>Fenestella</i>	<i>filistriata</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Fenestella</i>	<i>filistriata</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Fenestella</i>	<i>filistriata</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Fenestella</i>	<i>filistriata</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Fenestella</i>	<i>filistriata</i>	Keokuk	Overton County, TN	Overton County, TN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>firma</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>fiunicula</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>flexuosa</i>	Chester	Chester, IL	Randolf County, IL
<i>Fenestella</i>	<i>flexuosa</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Fenestella</i>	<i>flexuosa</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>foliata</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>foliata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>foliata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>foliata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>foliata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>foliata</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>foliata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>foliata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>frutex</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Fenestella</i>	<i>frutex</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>frutex</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Fenestella</i>	<i>frutex</i>	Visean		Ayshire, Scotland
<i>Fenestella</i>	<i>frutex</i>	Visean		Dungannon County
<i>Fenestella</i>	<i>frutex</i>	Visean		Wexford County
<i>Fenestella</i>	<i>frutex</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fenestella</i>	<i>funicula</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fenestella</i>	<i>funicula</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>funicula</i>	Lower Carboniferous		Xianza, Tibet
<i>Fenestella</i>	<i>gansuensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>gansuensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>gansuensis major</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>gracilis</i>	Visean	Steinbruch Oberbusch bei Ratingen	North Rhine-Westphalia, Germany
<i>Fenestella</i>	<i>gresfordensis</i>	Tournasean-Bingleburra	Lewinsbrook, NSW	NSW, AU
<i>Fenestella</i>	<i>grumulosa</i>	Tournasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>hamithensis</i>	Humbug ftn	Utah County, UT	Utah County, UT
<i>Fenestella</i>	<i>hemispherica</i>	Chester	Langston Gap, AL	Jackson County, AL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>hemispherica</i>	Visean	Little Island	Cork County
<i>Fenestella</i>	<i>hemispherica</i>	Visean		Sligo County
<i>Fenestella</i>	<i>hemitrypa</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Fenestella</i>	<i>herniosa</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>herniosa</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>herniosa</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>herrickana</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>herrickana</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>herrickana</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>herrickana</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>herrickana</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>herrickana</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>herrickana</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>herrickana</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>hikoroichiensis</i>	Lower Carboniferous- Hikoroichi ls		Morioka Province, Japan
<i>Fenestella</i>	<i>huaitoutalensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>huaitoutalensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>incipiens</i>	Deseret ls	Utah County, UT	Utah County, UT
<i>Fenestella</i>	<i>incognita</i>	Visean	Tarusk Horizon	Vologda Oblast,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Russia
<i>Fenestella</i>	<i>ingloria</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>inviolata</i>	Namurian		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>irinae</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>irregularis</i>	Tournaisian	Wasserfall bei Velbert	North Rhine-Westphalia, Germany
<i>Fenestella</i>	<i>ivanovi</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Fenestella</i>	<i>ivanovi</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Fenestella</i>	<i>juxtaserratula</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>kalbensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fenestella</i>	<i>karagandensis</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Fenestella</i>	<i>karakubensis</i>	Lower Carboniferous-Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>karakunbensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>karakunbensis</i>	Visean	doneckni	Rostov Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>karakunbensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>karakunbensis ornata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>karatauensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>kawadae</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>khozhainovi</i>	Visean	Tarusk Horizon	Vologda Oblast, Russia
<i>Fenestella</i>	<i>kondrovensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>kotlukovi</i>	Lower Carboniferous-Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>kotlukovi</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>legibilis</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>levigata</i>	Liuiatang fmt	Lianyuan	Hunan, China
<i>Fenestella</i>	<i>levigata</i>	Shihtengtze fmt	Lianyuan	Hunan, China
<i>Fenestella</i>	<i>limbata</i>	Lower Carboniferous-Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>limbata</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>limbata</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>limbata</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>liminodata</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>liminodata</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fenestella</i>	<i>limitaris</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>liujiachongensis</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Fenestella</i>	<i>lodiensis</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>lodiensis</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>lodiensis</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>lodiensis</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>lodiensis</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>lodiensis</i>	Waverly	Newark, OH	Licking County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>lodiensis</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>lodiensis</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>longacella</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>longacella</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>longacella</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>longacella-cecikensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>longacella subsp. Minor</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>longacella-turlanensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>luzhkiensis</i>	Lower Carboniferous-Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>luzhkiensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>major</i>	Lower Carboniferous-Venevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>major</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>matheri</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Fenestella</i>	<i>matheri</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>matheri</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Fenestella</i>	<i>matheri</i>	Chester- Glen Dean	Eckerty, IN	Crawford County, IN
<i>Fenestella</i>	<i>maximovae</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>media</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>media</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>mediaformis</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>meekana</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>meekana</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>meekana</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>meekana</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>meekana</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>meekana</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>meekana</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>meekana</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>meganeta</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>meganeta</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>meganeta</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>michaeli</i>	Lower Carboniferous-grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Fenestella</i>	<i>michaylovensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>michaylovensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	<i>michaylovensis</i>	Lower Carboniferous-Misailovsky Horizon		Russian Platform
<i>Fenestella</i>	<i>michaylovensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>mimica</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>minor</i>	Lower Carboniferous-Aleksinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>minor</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>minor</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>minor</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Fenestella</i>	<i>minor</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>minor</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fenestella</i>	<i>minor sinensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>minor sinensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>mirabilis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>miracula</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>miranda</i>	Lower Carboniferous-Tul'sky Horizon		Russian Platform
<i>Fenestella</i>	<i>miranda</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>miranda</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Fenestella</i>	<i>miranda</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fenestella</i>	<i>missouriensis</i>	Lower Carboniferous		Donets'ka, Ukraine
<i>Fenestella</i>	<i>missouriensis</i>	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Fenestella</i>	<i>morrowensis</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>morrowensis</i>	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	<i>mstensis</i>	Lower Carboniferous-Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>mstensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>multispinoformis</i>	Shaodong fmt	Shaodong	Hunan, China
<i>Fenestella</i>	<i>multispinosa</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>multispinosa</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>multispinosa</i>	Chester- Moorefield Shale	Spring Creek, MO	Independence County, AR
<i>Fenestella</i>	<i>multispinosa</i>	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fenestella</i>	<i>multispinosa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous		Turkestan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fenestella</i>	<i>multispinosa</i>	Lower Carboniferous-Tul'sky Horizon		Russian Platform
<i>Fenestella</i>	<i>multispinosa</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>multispinosa</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>multispinosa</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>multispinosa</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>multispinosa</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>multispinosa</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>multispinosa</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>multispinosa</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>multispinosa</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>multispinosa</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>muromcevi</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>muromskensis</i>	Visean	Tarusk Horizon	Vologda Oblast, Russia
<i>Fenestella</i>	<i>narynica</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Fenestella</i>	<i>narynica</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>narynica</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>narynica terectiensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>nerutshensis</i>	Lower Carboniferous- Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>nerutshensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fenestella</i>	<i>nododorsalis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>nododorsalis</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Fenestella</i>	<i>nododorsalis flata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>nododorsalis flata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	<i>nododorsalis flata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fenestella</i>	<i>notabilis</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>notabilis</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>oblongata</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>oblongata</i>	Burlington-Chouteau Group	Cooper County, MO	Cooper County, MO
<i>Fenestella</i>	<i>oculata</i>	Tournasian		Waterford County
<i>Fenestella</i>	<i>ofunatoensis</i>	Lower Carboniferous-Hikoroichi ls		Morioka Province, Japan
<i>Fenestella</i>	<i>okensis</i>	Lower Carboniferous-Aleksinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>okensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>ovatipora</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>paeckelmanni</i>	Tournaisian	Wasserfall bei Velbert	North Rhine-Westphalia, Germany
<i>Fenestella</i>	<i>paeckelmanni trapezoidea</i>	Tournaisian	Wasserfall bei Velbert	North Rhine-Westphalia, Germany
<i>Fenestella</i>	<i>paeckelmanni trapezoidea</i>	Visean	Wasserfall bei Velbert	North Rhine-Westphalia, Germany
<i>Fenestella</i>	<i>pahangensis</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>paradisensis</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>paradisensis</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Fenestella</i>	<i>paradisensis</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>parallela</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Fenestella</i>	<i>parallela</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Fenestella</i>	<i>parallela</i>	Deseret ls	Utah County, UT	Utah County, UT
<i>Fenestella</i>	<i>plebeia</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>plebeia</i>	Lower Carboniferous		Donets'ka, Ukraine
<i>Fenestella</i>	<i>plebeia</i>	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Fenestella</i>	<i>plebeia</i>	Visean	Enniskien	Northern Ireland
<i>Fenestella</i>	<i>plebeia</i>	Visean	Killala	Killala County
<i>Fenestella</i>	<i>plebeia</i>	Visean		Dalry County
<i>Fenestella</i>	<i>plebeia</i>	Visean		Kildare County
<i>Fenestella</i>	<i>plebeia</i>	Visean- Sungi Terapai Shale		Kuantan, NE Pahang, Malaya
<i>Fenestella</i>	<i>plebey longifenestella</i>	Visean	doneckni	Rostov Oblast, Russia
<i>Fenestella</i>	<i>plebia</i>	Visean	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>plebja</i>	Lower Carboniferous-grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Fenestella</i>	<i>pluriramosa</i>	Shaodong fmt	Shaodong	Hunan, China
<i>Fenestella</i>	<i>pluriserispinodata</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Fenestella</i>	<i>polynodosa</i>	Tournasian	Hook Head	Wexford County
<i>Fenestella</i>	<i>polyporata</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Fenestella</i>	<i>polyporata</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>polyporata</i>	Lower Carboniferous-Venevsky Horizon		Russian Platform

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>polyporata</i>	Visean	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>polyporata</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>polyporata</i>	Visean		Dungannon County
<i>Fenestella</i>	<i>polyporata</i>	Visean		Northern Ireland
<i>Fenestella</i>	<i>polyporata</i>	Visean		Tyrone County
<i>Fenestella</i>	<i>polyporata</i>	Visean		Yorkshire, Eng
<i>Fenestella</i>	<i>polyporata</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>polyporata</i>	Visean- Sungai Terapai Shale		Kuantan, NE Pahang, Malaya
<i>Fenestella</i>	<i>polysepta</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>polyseptata</i>	Lower Carboniferous- Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>postmiracula</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>praeforminosa</i>	Lower Carboniferous- Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>praeforminosa</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>praelimbata</i>	Lower Carboniferous- Tul'sky Horizon		Russian Platform
<i>Fenestella</i>	<i>praelimbata</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>praelimbata</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>praelimbata</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fenestella</i>	<i>praeminor</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>praeminor</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>praeminor</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>praerhomboidea</i> <i>rhomboidea</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>praeselistshensis</i>	Lower Carboniferous- Tul'sky Horizon		Russian Platform
<i>Fenestella</i>	<i>praeselistshensis</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>praeselistshensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>protvensis</i>	Lower Carboniferous- Protvinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>protvensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>pseudocingulata</i>	Lower Carboniferous- Aleksinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>pseudocingulata</i>	Visean	Don Basin	Rostov Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>pseudocingulata</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>pseudocingulata</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Fenestella</i>	<i>pseudocingulata</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fenestella</i>	<i>pseudoirregularis</i>	Carboniferous- Early		Mongolia
<i>Fenestella</i>	<i>pseudomstensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>pseudomstensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>pseudorudis</i>	Lower Carboniferous- Cernysinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>pseudostuckenbergi</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>pseudostuckenbergi</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>pseudostuckenbergi</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>pseudostuckenbergi</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	<i>pseudostuckenbergi</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>pseudostuckenbergi</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fenestella</i>	<i>pskemica</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>qinghaiensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>qinghaiensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>quadradecimalis</i>	Visean	Enniskien	Northern Ireland
<i>Fenestella</i>	<i>rarinodosa</i>	Humbug ftn	Utah County, UT	Utah County, UT
<i>Fenestella</i>	<i>rectangularis</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>regalis</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Fenestella</i>	<i>regalis</i>	Burlington-Chouteau Group	Cooper County, MO	Cooper County, MO
<i>Fenestella</i>	<i>regalis</i>	Burlington-Chouteau Group	Pettis County, MO	Pettis County, MO
<i>Fenestella</i>	<i>regalis</i>	Deseret ls	Tooele County, UT	Tooele County, UT
<i>Fenestella</i>	<i>regalis</i>	Deseret ls	Utah County, UT	Utah County, UT
<i>Fenestella</i>	<i>regalis</i>	Keokuk	Caney Creek, KY	Russell County, KY
<i>Fenestella</i>	<i>regalis</i>	Keokuk	Celina, TN	Clay County, TN
<i>Fenestella</i>	<i>regalis</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Fenestella</i>	<i>regalis</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Fenestella</i>	<i>regalis</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Fenestella</i>	<i>regalis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>regalis</i>	Keokuk	Livingston, TN	Overton County, TN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>regalis</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Fenestella</i>	<i>regalis</i>	Lower Carboniferous-Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>regalis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fenestella</i>	<i>regalis-macra</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>reversinodata</i>	Lower Carboniferous-Aleksinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>reversinodata</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>richfieldensis</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>richfieldensis</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>richfieldensis</i>	Waverly	Hillsdale, MI	Hillsdale County, MI

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>richfieldensis</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>richfieldensis</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>richfieldensis</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>richfieldensis</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>richfieldensis</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>rossica</i>	Tournasian	Hook Head	Wexford County
<i>Fenestella</i>	<i>rotunda</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Fenestella</i>	<i>rotunda</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Fenestella</i>	<i>rudis</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Fenestella</i>	<i>rudis</i>	Burlington-Chouteau Group	Cooper County, MO	Cooper County, MO
<i>Fenestella</i>	<i>rudis</i>	Chester- Moorefield Shale	Spring Creek, MO	Independence County, AR
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Somerset, KY	Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>rudis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fenestella</i>	<i>rudis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>rudis</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>rudis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>rudis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	<i>rudis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>rudis</i>	Tourinasean- Taikhoskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>rudis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>rudis</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>rudis</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>rudis</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>rudis</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>rudis</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>rudis</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>rudis</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>rudis</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>rudis</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>rudis</i>	Waverly	Newark, OH	Licking County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>rudis</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>rudis</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>rudis magna</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>rudis nekhoroshevi</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>rudisiformis</i>	Lower Carboniferous		Xianza, Tibet
<i>Fenestella</i>	<i>sarytshevae</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>sarytshevae</i>	Lower Carboniferous- Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>sarytshevae</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>sarytshevae</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>sarytshevae</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Fenestella</i>	<i>sarytshevae</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fenestella</i>	<i>schwetzovi</i>	Lower Carboniferous- Protvinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>schwetzovi</i>	Visean	podmoskovnii	Russian Platform

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>selistshensis</i>	Lower Carboniferous-Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>selistshensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>serpuchovensis</i>	Lower Carboniferous-Protvinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>serpuchovensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>serratula</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Fenestella</i>	<i>serratula</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Fenestella</i>	<i>serratula</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Fenestella</i>	<i>serratula</i>	Burlington	Quincy, IL	Adams County, IL
<i>Fenestella</i>	<i>serratula</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Fenestella</i>	<i>serratula</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Fenestella</i>	<i>serratula</i>	Burlington-Chouteau Group	Cooper County, MO	Cooper County, MO
<i>Fenestella</i>	<i>serratula</i>	Burlington-Chouteau Group	Pettis County, MO	Pettis County, MO
<i>Fenestella</i>	<i>serratula</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>serratula</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Fenestella</i>	<i>serratula</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>serratula</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Fenestella</i>	<i>serratula</i>	Humbug ftn	Utah County, UT	Utah County, UT
<i>Fenestella</i>	<i>serratula</i>	Keokuk	Keokuk, IA	Lee County, IA

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>serratula</i>	Keokuk	Monroe County, IL	Monroe County, IL
<i>Fenestella</i>	<i>serratula</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>serratula</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>serratula</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Fenestella</i>	<i>serratula</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>serratula</i>	Lower Carboniferous		Xianza, Tibet
<i>Fenestella</i>	<i>serratula</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>serratula</i>	Lower Carboniferous-Tul'sky Horizon		Russian Platform
<i>Fenestella</i>	<i>serratula</i>	St. Genevieve		Hardin County, IL
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Alton, IL	Madison County, IL
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Caldwell County, KY	Caldwell County, KY
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Lyon County, KY	Lyon County, KY
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Fenestella</i>	<i>serratula</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Fenestella</i>	<i>serratula</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Fenestella</i>	<i>serratula</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Fenestella</i>	<i>serratula</i>	Ste. Genevieve- Paradise fmt, 3rd member	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	<i>serratula</i>	Tourinasean	Weining	Guizhou Province, China
<i>Fenestella</i>	<i>serratula</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>serratula</i>	Tourinasean- Taikhoskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>serratula</i>	Tourinasean- Taikhoskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>serratula</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>serratula</i>	Visean	Rothwaltersdorf in Schlesien	Silesia, Poland
<i>Fenestella</i>	<i>serratula</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>serratula</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>serratula</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>serratula</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Oblast, Russia
<i>Fenestella</i>	<i>serratula</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Fenestella</i>	<i>serratula</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Fenestella</i>	<i>serratula</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Fenestella</i>	<i>serratula</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Fenestella</i>	<i>serratula</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Fenestella</i>	<i>serratula</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Fenestella</i>	<i>serratula</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>serratula-humbugensis</i>	Humbug ftn	Utah County, UT	Utah County, UT
<i>Fenestella</i>	<i>sinomultispinosa</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>sinomultispinosa</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>sinomultispinosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>sinomultispinosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fenestella</i>	<i>sinopolyporata</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>sinopolyporata</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>sokolskayae</i>	Lower Carboniferous-Cernysinsky Horizon		Russian Platform

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>sokolskayae</i>	Lower Carboniferous-Hikoroichi Is		Morioka Province, Japan
<i>Fenestella</i>	<i>spicata</i>	Namurian		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>spinulosa</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestella</i>	<i>staminea</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>stuckenbergi</i>	Lower Carboniferous-Cernysinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>subabundans</i>	Lower Carboniferous-Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>subabundans</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>subbenskiensis</i>	Lower Carboniferous-Aleksinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>subbenskiensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>subminor</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>subminor</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>subprotvensis</i>	Lower Carboniferous-Aleksinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>subprotvensis</i>	Visean	podmoskovnii	Russian Platform

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>symmetriciformis</i>	Visean	Tarusk Horizon	Vologda Oblast, Russia
<i>Fenestella</i>	<i>tarussensis</i>	Lower Carboniferous- Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>tarussensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>tatiana</i>	Lower Carboniferous- Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>tatiana</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>taxata</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>taxata</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fenestella</i>	<i>taxata</i>	Lower Carboniferous- Stesevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>taxata</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>tenax</i>	Chester	Anna, IL	Union County, IL
<i>Fenestella</i>	<i>tenax</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Fenestella</i>	<i>tenax</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Chester, IL	Randolf County, IL
<i>Fenestella</i>	<i>tenax</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Huntsville, AL	Madison County, AL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>tenax</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Fenestella</i>	<i>tenax</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Meade County, KY	Meade County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Fenestella</i>	<i>tenax</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Redbud, IL	Randolf County, IL
<i>Fenestella</i>	<i>tenax</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Fenestella</i>	<i>tenax</i>	Chester	Ruma, IL	Randolf County, IL
<i>Fenestella</i>	<i>tenax</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Smithland, KY	Livingston County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Fenestella</i>	<i>tenax</i>	Chester		Illinois Basin
<i>Fenestella</i>	<i>tenax</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Fenestella</i>	<i>tenax</i>	Chester- Glen Dean	Eckerty, IN	Crawford County, IN
<i>Fenestella</i>	<i>tenax</i>	Chester- Glen Dean	Leopold, IN	Perry County, IN
<i>Fenestella</i>	<i>tenax</i>	Chester- Paradise fmt, 4th	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	<i>tenax</i>	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	<i>tenax</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>tenax</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	<i>tenax</i>	Chester- Wymys Gap ls	Fayette County, PA	Fayette County, PA
<i>Fenestella</i>	<i>tenax</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Fenestella</i>	<i>tenax</i>	Great Blue ls	Tooele County, UT	Tooele County, UT
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous		Pahang, Malaysia
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous-grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiaheyen	Hui Autonomous Region, Ningxia, China
<i>Fenestella</i>	<i>tenax</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fenestella</i>	<i>tenax</i>	St. Louis- Unnamed group	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	<i>tenax</i>	Ste. Genevieve- Paradise fmt, 2nd member	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	<i>tenax</i>	Ste. Genevieve- Paradise fmt, 3rd member	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	<i>tenax</i>	Tourinasean	Weining	Guizhou Province, China
<i>Fenestella</i>	<i>tenax</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>tenax</i>	Tourinasean- Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>tenax</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>tenax</i>	Visean	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>tenax</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>tenax</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>tenax</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>tenax</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>tenax</i>	Visean- Sungi Terapai Shale		Kuantan, NE Pahang, Malaya
<i>Fenestella</i>	<i>tenax</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Fenestella</i>	<i>tenax</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Fenestella</i>	<i>tenax</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Fenestella</i>	<i>tenax</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Fenestella</i>	<i>tenax</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Fenestella</i>	<i>tenax</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Fenestella</i>	<i>tenax</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>tenax</i>	Warsaw		Hardin County, IL
<i>Fenestella</i>	<i>tenax</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Fenestella</i>	<i>tenax</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Fenestella</i>	<i>tenax</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Fenestella</i>	<i>tenax</i>	Waverly	Lodi, OH	Medina County, OH
<i>Fenestella</i>	<i>tenax</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Fenestella</i>	<i>tenax</i>	Waverly	Newark, OH	Licking County, OH
<i>Fenestella</i>	<i>tenax</i>	Waverly	Richfield, OH	Summit County, OH
<i>Fenestella</i>	<i>tenax</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Fenestella</i>	<i>tenax veneris</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>tenuivarata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>tenuivarata</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>tenuivirgata</i>	Lower Carboniferous-Tul'sky Horizon		Russian Platform
<i>Fenestella</i>	<i>tenuivirgata</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>tenuivirgata</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Fenestella</i>	<i>tenuivirgata</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fenestella</i>	<i>tienzhuensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	<i>tienzhuensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	<i>tienzhuensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>tikhii</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>tikhii</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Fenestella</i>	<i>tikhii</i>	Visean- Mid	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fenestella</i>	<i>tooelensis</i>	Humbug ftn	Tooele County, UT	Tooele County, UT
<i>Fenestella</i>	<i>torquata</i>	Namurian		Zhambyl Province, Kazakhstan
<i>Fenestella</i>	<i>trianguliformis</i>	Liuiatang fmt	Shaodong	Hunan, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Celina, TN	Clay County, TN
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fenestella</i>	<i>triserialis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fenestella</i>	<i>triserialis</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Fenestella</i>	<i>triserialis</i>	Lower Carboniferous		Turkestan
<i>Fenestella</i>	<i>triserialis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>triserialis</i>	Lower Carboniferous- grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Fenestella</i>	<i>triserialis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>triserialis</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>triserialis</i>	Tournasean	Khao Noi, Thailand	Songkhla State, Thailand
<i>Fenestella</i>	<i>triserialis</i>	Visean	Khao Noi, Thailand	Songkhla State, Thailand
<i>Fenestella</i>	<i>triserialis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>triserialis</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>tshechurensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>tshechurensis</i>	Lower Carboniferous- Tul'sky Horizon		Russian Platform
<i>Fenestella</i>	<i>tshechurensis</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>tshechurensis</i>	Visean	voronezskii	Voronezskaya Oblast, Russia
<i>Fenestella</i>	<i>tshechurensis</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	<i>tsherepetiensis</i>	Lower Carboniferous- Cernysinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>tshernyshensis</i>	Lower Carboniferous- Cernysinsky Horizon		Russian Platform
<i>Fenestella</i>	<i>tuberculo-carinata</i>	Visean- Lower LS Group	Beith	Ayrshire, Scotland
<i>Fenestella</i>	<i>tulensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>tulensis</i>	Lower Carboniferous- Tul'sky Horizon		Russian Platform
<i>Fenestella</i>	<i>tulensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>tychtaensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fenestella</i>	<i>undulata</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Fenestella</i>	<i>utahensis</i>	Great Blue ls	Tooele County, UT	Tooele County, UT
<i>Fenestella</i>	<i>valujkensis</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fenestella</i>	<i>valuykensis</i>	Lower Carboniferous- Venevsky Horizon		Russian Platform
<i>Fenestella</i>	<i>valuykensis</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Fenestella</i>	<i>valuykensis</i>	Visean	voronezhskii	Voronezhskaya

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Oblast, Russia
<i>Fenestella</i>	<i>varicosa</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Fenestella</i>	<i>virgosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fenestella</i>	<i>volayensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i>	<i>volayensis</i>	Lower Carboniferous-Tarusky Horizon		Russian Platform
<i>Fenestella</i>	<i>volayensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fenestella</i>	<i>wilsoni</i>	Tournasean-Bingleburra	Lewinsbrook, NSW	NSW, AU
<i>Fenestella</i>	xxx	Asbian	Llandudno, North Wales	North Wales
<i>Fenestella</i>	xxx	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales
<i>Fenestella</i>	xxx	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Fenestella</i>	xxx	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Fenestella</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Fenestella</i>	xxx	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Fenestella</i>	xxx	Chester- Pitkin Ls		Independence

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				County, AR
<i>Fenestella</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Fenestella</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Fenestella</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Fenestella</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Fenestella</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Fenestella</i>	xxx	Chester- Wymys Gap ls	Chalk Hill, Ohio	Fayette County, PA
<i>Fenestella</i>	xxx	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Fenestella</i>	xxx	Deseret ls	Utah County, UT	Utah County, UT
<i>Fenestella</i>	xxx	Dinantian	Llandudno, North Wales	North Wales
<i>Fenestella</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fenestella</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fenestella</i>	xxx	Lower Carboniferous		Pahang, Malaysia
<i>Fenestella</i>	xxx	Lower Carboniferous		Turkestan
<i>Fenestella</i>	xxx	Lower Carboniferous-grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Fenestella</i>	xxx	Lower Carboniferous-Hikoroichi ls		Morioka Province, Japan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i>	xxx	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Fenestella</i>	xxx	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i>	xxx	Mooney Falls	Mohave County, AZ	Mohave County, AZ
<i>Fenestella</i>	xxx	Mooney Falls	Yavapai County, AZ	Yavapai County, AZ
<i>Fenestella</i>	xxx	St. Louis- Paradise fmt	Paradise, AZ	Cochise County, AZ
<i>Fenestella</i>	xxx	Thunder Springs	Mohave County, AZ	Mohave County, AZ
<i>Fenestella</i>	xxx	Thunder Springs	Yavapai County, AZ	Yavapai County, AZ
<i>Fenestella</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Fenestella</i>	xxx	Tournasean	Khao Noi, Thailand	Songkhla State, Thailand
<i>Fenestella</i>	xxx	Visean	Kulmgrauwacke von Kalteborn bei der Klausthaler Silberhutte im Harz	Saxony-Anhalt, Germany
<i>Fenestella</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Fenestella</i>	xxx	Visean- Lower(Hina ls)	59 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Fenestella</i>	xxx	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Fenestella</i>	<i>zapolynodosa</i>	Mengkungao fmt	Longhui	Hunan, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestella</i> (<i>Minilya</i>)	<i>hexagona</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fenestella</i> (<i>Minilya</i>)	<i>hexagona</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fenestella</i> (<i>Minilya</i>)	<i>hexagona</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiaheyen	Hui Autonomous Region, Ningxia, China
<i>Fenesteverta</i>	<i>nicklesi</i>	Chester	Carter County, OK	Carter County, OK
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Alton, IL	Madison County, IL
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	St. Louis, MO	St. Louis County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestralia</i>	<i>compacta</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Fenestralia</i>	<i>pseudorudis</i>	Tourinasean	podmoskovnii	Russian Platform
<i>Fenestralia</i>	<i>sacti-ludovici</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Fenestralia</i>	<i>sancti-ludovici</i>	Great Blue Is	Tooele County, UT	Tooele County, UT
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Alton, IL	Madison County, IL
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Somerset, KY	Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Fenestralia</i>	<i>sancti-ludovici</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Fenestralia</i>	<i>sancti-ludovici</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Fenestralia</i>	<i>sancti-ludovici</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Fenestralia</i>	<i>sancti-ludovici</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Fenestralia</i>	<i>sancti-ludovici</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Fenestralia</i>	<i>sancti-ludovici</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Fenestralia</i>	<i>sancti-ludovici</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Fenestralia</i>	<i>sancti-ludovici</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Fenestralia</i>	<i>sancti-ludovici-compacta</i>	St. Louis	Monroe County, IL	Monroe County, IL
<i>Fenestralia</i>	<i>sancti-ludovici-compacta</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Fenestralia</i>	<i>trifurcata</i>	Humbug ftn	Tooele County, UT	Tooele County, UT

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestrellina</i>	<i>acarinata</i>	Lower Carboniferous	Glen William	NSW, AU
<i>Fenestrellina</i>	<i>acarinata</i>	Lower Carboniferous	Hilldale	NSW, AU
<i>Fenestrellina</i>	<i>barringtonensis</i>	Lower Carboniferous	Barrington Tops	NSW, AU
<i>Fenestrellina</i>	<i>cellulosa</i>	Lower Carboniferous	Barrington Tops	NSW, AU
<i>Fenestrellina</i>	<i>crassa</i>	Asbian		Cavan County
<i>Fenestrellina</i>	<i>crassa</i>	Asbian		Kildare County
<i>Fenestrellina</i>	<i>crassa</i>	Chadian		Kildare County
<i>Fenestrellina</i>	<i>crassa</i>	Dinantian		Cavan County
<i>Fenestrellina</i>	<i>crassa</i>	Dinantian		Kildare County
<i>Fenestrellina</i>	<i>cribriformis</i>	Lower Carboniferous	Rouchel Brook	NSW, AU
<i>Fenestrellina</i>	<i>japonica</i>	Lower Carboniferous- Hikoroichi ls		Morioka Province, Japan
<i>Fenestrellina</i>	<i>propinqua</i>	Lower Carboniferous	Back Creek	NSW, AU
<i>Fenestrellina</i>	<i>propinqua</i>	Lower Carboniferous	Barrington Tops	NSW, AU
<i>Fenestrellina</i>	<i>propinqua</i>	Lower Carboniferous	Glen William	NSW, AU
<i>Fenestrellina</i>	<i>propinqua</i>	Lower Carboniferous	Hilldale	NSW, AU
<i>Fenestrellina</i>	<i>roucheli</i>	Lower Carboniferous	Rouchel Brook	NSW, AU

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fenestrellina</i>	xxx	Chester- Greenbrier		Fayette County, PA
<i>Fenestrellina</i>	xxx	Chester- Greenbrier		Somerset County, PA
<i>Fenestrellina</i>	xxx	Lower Carboniferous	Malmoe Parish	QLD, AU
<i>Fenestrellina</i>	<i>yarrolensis</i>	Lower Carboniferous	Mundowran	QLD, AU
<i>Fistulamina</i>	<i>arguta</i>	Carboniferous- Early		Mongolia
<i>Fistulamina</i>	<i>delicata</i>	Carboniferous- Early		Mongolia
<i>Fistulamina</i>	<i>inspecta</i>	Carboniferous- Early		Mongolia
<i>Fistulamina</i>	<i>malmoensis</i>	Lower Carboniferous	Malmoe Parish	QLD, AU
<i>Fistulamina</i>	<i>minuscule</i>	Carboniferous- Early		Mongolia
<i>Fistulamina</i>	<i>ovata</i>	Carboniferous- Early		Mongolia
<i>Fistulimina</i>	<i>inornata</i>	Tournasean- Bingleburra	Lewinsbrook, NSW	NSW, AU
<i>Fistulimina</i>	<i>inorta</i>	Lower Carboniferous	Back Creek	NSW, AU
<i>Fistulimina</i>	<i>inorta</i>	Lower Carboniferous	Glen William	NSW, AU
<i>Fistulimina</i>	<i>inorta</i>	Lower Carboniferous	Hilldale	NSW, AU
<i>Fistulipora</i>	<i>approximata</i>	Chester	Chester, IL	Randolf County, IL
<i>Fistulipora</i>	<i>artelacunata</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>artelacunata</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>artelacunata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fistulipora</i>	<i>artelacunata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	<i>artelacunata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fistulipora</i>	<i>asteria</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fistulipora</i>	<i>bella</i>	Visean	podmoskovnii	Russian Platform
<i>Fistulipora</i>	<i>buskoformis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>buskoformis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fistulipora</i>	<i>buskoformis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fistulipora</i>	<i>buskoformis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	<i>chouniugouensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fistulipora</i>	<i>chouniugouensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fistulipora</i>	<i>chouniugouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>chouniugouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fistulipora</i>	<i>chouniugouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiaheyen	Hui Autonomous Region, Ningxia, China
<i>Fistulipora</i>	<i>chouniugouensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	<i>clausa</i>	Chester		Illinois Basin
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Bentonsport, IA	Van Buren County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				IA
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fistulipora</i>	<i>compressa</i>	Keokuk	Wayland, MO	Hancock County, IL
<i>Fistulipora</i>	<i>confinis</i>	Chester		Illinois Basin
<i>Fistulipora</i>	<i>crassa</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fistulipora</i>	<i>densifera</i>	Visean	podmoskovnii	Russian Platform
<i>Fistulipora</i>	<i>diaphragmoclausa</i>	Liuiatang fmt	Longhui	Hunan, China
<i>Fistulipora</i>	<i>djebaglinica</i>	Lower Carboniferous		Turkestan
<i>Fistulipora</i>	<i>etherridgei</i>	Lower Carboniferous	Rockhampton	QLD, AU
<i>Fistulipora</i>	<i>excelens</i>	Chester		Illinois Basin
<i>Fistulipora</i>	<i>excelens</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Anna, IL	Union County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>excellens</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Fistulipora</i>	<i>excellens</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Chester, IL	Randolf County, IL
<i>Fistulipora</i>	<i>excellens</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Huntsville, AL	Madison County, AL
<i>Fistulipora</i>	<i>excellens</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Fistulipora</i>	<i>excellens</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Meade County, KY	Meade County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Fistulipora</i>	<i>excellens</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Redbud, IL	Randolf County, IL
<i>Fistulipora</i>	<i>excellens</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Fistulipora</i>	<i>excellens</i>	Chester	Ruma, IL	Randolf County, IL
<i>Fistulipora</i>	<i>excellens</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Smithland, KY	Livingston County, KY
<i>Fistulipora</i>	<i>excellens</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Fistulipora</i>	<i>foliacea</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>gansuensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>heishanensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fistulipora</i>	<i>incrustans</i>	Asbian	Llandudno, North Wales	North Wales
<i>Fistulipora</i>	<i>incrustans</i>	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales
<i>Fistulipora</i>	<i>incrustans</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Fistulipora</i>	<i>incrustans</i>	Asbian- Glencar ls		Fermanagh County
<i>Fistulipora</i>	<i>incrustans</i>	Dinantian	Llandudno, North Wales	North Wales
<i>Fistulipora</i>	<i>incrustans</i>	Lower Carboniferous	Treak Cliff	Derbyshire, Eng
<i>Fistulipora</i>	<i>incrustans</i>	Visean- Lower LS Group	Beith	Ayrshire, Scotland
<i>Fistulipora</i>	<i>incrustans</i>	Visean- Upper	Tullaghoge	Tyrone County
<i>Fistulipora</i>	<i>kanensis</i>	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Fistulipora</i>	<i>lacerta</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fistulipora</i>	<i>lacerta collevara</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>lantienensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>lantiensis</i>	Lower Carboniferous	Anhua	Anhua County, Hunan, China
<i>Fistulipora</i>	<i>longituba</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fistulipora</i>	<i>longituba</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fistulipora</i>	<i>longituba</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>longituba</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fistulipora</i>	<i>longituba</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fistulipora</i>	<i>longituba</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fistulipora</i>	<i>longituba</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	<i>massiformis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fistulipora</i>	<i>massiformis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>microcellata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>microcellata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fistulipora</i>	<i>microcellata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Fistulipora</i>	<i>microcellata</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	<i>microcellata amplusa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>microcellata amplusa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	<i>microscopica</i>	Lower Carboniferous	Moorowarra Parish	NSW, AU
<i>Fistulipora</i>	<i>minor</i>	Asbian		Fermanagh County
<i>Fistulipora</i>	<i>minor</i>	Asbian		Ravenstondale, Cumbria
<i>Fistulipora</i>	<i>minor</i>	Brigantian		Clwyd
<i>Fistulipora</i>	<i>minor</i>	Brigantian		Glamorgan, South Wales
<i>Fistulipora</i>	<i>minor</i>	Chadian		Ravenstondale, Cumbria

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>minor</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Fistulipora</i>	<i>minor</i>	Chester- Glen Dean		Crawford County, IN
<i>Fistulipora</i>	<i>minor</i>	Chester- Glen Dean		Greene County, IN
<i>Fistulipora</i>	<i>minor</i>	Chester- Glen Dean		Perry County, IN
<i>Fistulipora</i>	<i>minor</i>	Courceyan		Glamorgan, South Wales
<i>Fistulipora</i>	<i>mirari</i>	Lower Carboniferous	Hilldale	NSW, AU
<i>Fistulipora</i>	<i>monoseriata</i>	Visean	podmoskovnii	Russian Platform
<i>Fistulipora</i>	<i>multispinosa</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fistulipora</i>	<i>nagatoensis</i>	Lower Carboniferous- Tobinosu		Yamaguchi Prefecture, Honshu, Japan
<i>Fistulipora</i>	<i>parvilabrum</i>	Visean	podmoskovnii	Russian Platform
<i>Fistulipora</i>	<i>perdensa</i>	Chester		Illinois Basin
<i>Fistulipora</i>	<i>perdensa</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Fistulipora</i>	<i>perdensa</i>	Chester- Glen Dean		Crawford County, IN
<i>Fistulipora</i>	<i>perdensa</i>	Chester- Glen Dean		Martin County, IN
<i>Fistulipora</i>	<i>perdensa</i>	Chester- Glen Dean		Perry County, IN
<i>Fistulipora</i>	<i>prolifica</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Alton, IL	Madison County, IL
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Clarksville, TN	Montgomery County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				TN
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Fistulipora</i>	<i>proloifica</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Fistulipora</i>	<i>sana</i>	Carboniferous- Early		Mongolia
<i>Fistulipora</i>	<i>sana</i>	Visean	Weining	Guizhou Province, China
<i>Fistulipora</i>	<i>sana</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fistulipora</i>	<i>sana</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fistulipora</i>	<i>sinensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fistulipora</i>	<i>spergenesis</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Fistulipora</i>	<i>spergenesis</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Fistulipora</i>	<i>spergenesis</i>	Warsaw	Monroe County, IL	Monroe County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>spergenesis</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Fistulipora</i>	<i>spergenesis</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Fistulipora</i>	<i>spergenesis</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Fistulipora</i>	<i>spergenesis</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Fistulipora</i>	<i>steshevensis</i>	Visean	podmoskovnii	Russian Platform
<i>Fistulipora</i>	<i>taidonensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>taidonensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fistulipora</i>	<i>taidonensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	<i>taidonensis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fistulipora</i>	<i>taidonensis</i>	Visean	Weining	Guizhou Province, China
<i>Fistulipora</i>	<i>tetraconica</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fistulipora</i>	<i>tetraconica</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fistulipora</i>	<i>torosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>torosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Fistulipora</i>	<i>tuberculata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Fistulipora</i>	<i>tubulosa</i>	Lower Carboniferous		Turkestan
<i>Fistulipora</i>	<i>tubulosa</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Fistulipora</i>	<i>tubulosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>tubulosa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	<i>tubulosa</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Fistulipora</i>	<i>tubulosa</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	<i>tubulosa</i>	Tourinasean	Central Kazakhstan	Central Kazakhstan
<i>Fistulipora</i>	<i>tubulosa</i>	Tourinasean		Central Kazakhstan
<i>Fistulipora</i>	<i>tubulosa</i>	Tourinasean- Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fistulipora</i>	<i>tubulosa</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Fistulipora</i>	<i>ugamica</i>	Lower Carboniferous		Turkestan
<i>Fistulipora</i>	<i>usitata</i>	Carboniferous- Early		Mongolia
<i>Fistulipora</i>	<i>xianzaensis</i>	Lower Carboniferous		Xianza, Tibet
<i>Fistulipora</i>	<i>xiehauensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulipora</i>	<i>xiehauensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulipora</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Fistulipora</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Fistulipora</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Fistulipora</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Fistulipora</i>	xxx	Chester- Pitkin Ls		Independence

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				County, AR
<i>Fistulipora</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Fistulipora</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Fistulipora</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Fistulipora</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Fistulipora</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Fistulipora</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Fistulipora</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Fistulipora</i>	xxx	Lower Carboniferous		Yamaguchi Prefecture, Honshu, Japan
<i>Fistulipora</i>	xxx	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Fistulipora</i>	xxx	Lower Carboniferous- Uzura		Pahang, Malaysia
<i>Fistulipora</i>	xxx	Thunder Springs	Yavapai County, AZ	Yavapai County, AZ
<i>Fistulipora</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Fistulipora</i>	xxx	Visean	Don Basin	Rostov Oblast, Russia
<i>Fistulipora</i>	xxx	Visean	Pahang, Malaysia	Pahang, Malaysia
<i>Fistulipora</i>	XXX	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistulipora</i>	XXX	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Fistulipora</i>	xxx	Visean- Lower(Hina ls)	51 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Fistulipora</i>	xxx	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Fistulipora</i>	xxx	Visean-(Lower) Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Fistuliramus</i>	<i>crassus</i>	Visean	Weining	Guizhou Province, China
<i>Fistuliramus</i>	<i>granulatus</i>	Visean	Weining	Guizhou Province, China
<i>Fistuliramus</i>	<i>laxoporata</i>	Tzemenchiao fmt	Xiangxiang	Hunan, China
<i>Fistuliramus</i>	<i>lianyuanense</i>	Tzemenchiao fmt	Lianyuan	Hunan, China
<i>Fistuliramus</i>	<i>lianyuaniformis</i>	Tzemenchiao fmt	Xiangxiang	Hunan, China
<i>Fistuliramus</i>	<i>perulatus</i>	Tzemenchiao fmt	Lianyuan	Hunan, China
<i>Fistuliramus</i>	<i>perulatus</i>	Tzemenchiao fmt	Xiangxiang	Hunan, China
<i>Fistuliramus</i>	<i>ramosus</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistuliramus</i>	<i>ramosus</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Fistuliramus</i>	<i>ramosus</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Moshigou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Fistuliramus</i>	<i>ramosus</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Fistulotrypa</i>	<i>antiqua</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Fistulotrypa</i>	<i>antiqua</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Flexifenestella</i>	<i>explorata</i>	Tourinasean	Kazakhstan	Kazakhstan
<i>Flexifenestella</i>	<i>explorata</i>	Tourinasean		Central Kazakhstan
<i>Flustra</i>	<i>spatulata</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Flustra</i>	<i>tuberculata</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Girtypora</i>	<i>sakagamii</i>	Middle Carboniferous-Akiyoshi Is		Yamaguchi Prefecture, Honshu, Japan
<i>Glyptopora</i>	<i>elegans</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>elegans</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Glyptopora</i>	<i>elegans</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Glyptopora</i>	<i>elegans</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Glyptopora</i>	<i>elegans</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Glyptopora</i>	<i>elegans</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Glyptopora</i>	<i>elegans</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Glyptopora</i>	<i>elegans</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>kerserlingi</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Bentonsport, IA	Van Buren County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				IA
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Glyptopora</i>	<i>keyserlingi</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>megastoma</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Glyptopora</i>	<i>megastoma</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Glyptopora</i>	<i>megastoma</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Glyptopora</i>	<i>megastoma</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>melinina</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Glyptopora</i>	<i>melinina</i>	Chester- Pitkin Ls		Independence County, AR
<i>Glyptopora</i>	<i>melinina</i>	Chester- Pitkin Ls		Madison County, AR
<i>Glyptopora</i>	<i>melinina</i>	Chester- Pitkin Ls		Newton County, AR
<i>Glyptopora</i>	<i>melinina</i>	Chester- Pitkin Ls		Searey County, AR
<i>Glyptopora</i>	<i>melinina</i>	Chester- Pitkin Ls		Stone County, AR
<i>Glyptopora</i>	<i>melinina</i>	Chester- Pitkin Ls		Washington County, AR
<i>Glyptopora</i>	<i>melinina</i>	St. Louis	St. Louis County, MO	St. Louis County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Glyptopora</i>	<i>melinina</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Glyptopora</i>	<i>melinina</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Glyptopora</i>	<i>melinina</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Glyptopora</i>	<i>melinina</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Glyptopora</i>	<i>melinina</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Glyptopora</i>	<i>melinina</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Glyptopora</i>	<i>melinina</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>pinnata</i>	Burlington	Henderson County, IL	Henderson County, IL
<i>Glyptopora</i>	<i>plumosa</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Glyptopora</i>	<i>plumosa</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Glyptopora</i>	<i>plumosa</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Glyptopora</i>	<i>plumosa</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Glyptopora</i>	<i>plumosa</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Glyptopora</i>	<i>plumosa</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Glyptopora</i>	<i>plumosa</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Glyptopora</i>	<i>plumosa</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Anna, IL	Union County, IL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Chester, IL	Randolf County, IL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Huntsville, AL	Madison County, AL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Jackson County, KY	Jackson County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Meade County, KY	Meade County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Monroe County, IL	Monroe County, IL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Redbud, IL	Randolf County, IL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Ruma, IL	Randolf County, IL
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Smithland, KY	Livingston County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Glyptopora</i>	<i>punctipora</i>	Chester		Illinois Basin
<i>Glyptopora</i>	<i>pustulifera</i>	Chester		Illinois Basin
<i>Glyptopora</i>	<i>saganella</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Glyptopora</i>	<i>saganella</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>saganella-caliculosa</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>saganella-lata</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Appanoosa, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Glyptopora</i>	<i>sagenella</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>sagenella</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Glyptopora</i>	<i>sagenella</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Glyptopora</i>	<i>sagenella</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Glyptopora</i>	<i>sagenella</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Glyptopora</i>	<i>sagenella</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Glyptopora</i>	<i>sagenella</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Glyptopora</i>	<i>sagenella</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>sagenella-caliculosa</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Glyptopora</i>	<i>sagenella-caliculosa</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Glyptopora</i>	<i>sagenella-caliculosa</i>	Warsaw	Monroe County, IL	Monroe County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Glyptopora</i>	<i>sagenella-caliculosa</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Glyptopora</i>	<i>sagenella-caliculosa</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Glyptopora</i>	<i>sagenella-caliculosa</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Glyptopora</i>	<i>sagenella-caliculosa</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	<i>sagenella-lata</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Glyptopora</i>	<i>sagenella-lata</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Glyptopora</i>	<i>sagenella-lata</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Glyptopora</i>	<i>sagenella-lata</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Glyptopora</i>	<i>sagenella-lata</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Glyptopora</i>	<i>sagenella-lata</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Glyptopora</i>	<i>sagenella-lata</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Glyptopora</i>	xxx	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Glyptopora</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Glyptopora</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Glyptopora</i>	xxx	Chester- Pitkin Ls		Madison County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Glyptopora</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Glyptopora</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Glyptopora</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Glyptopora</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Goniocladia</i>	<i>cellitera</i>	Asbian- Glencar ls		Fermanagh County
<i>Goniocladia</i>	<i>compacta</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Goniocladia</i>	<i>crassa</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Goniocladia</i>	<i>cyclopora</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Goniocladia</i>	<i>laxa</i>	Tournasean- Bingleburra	Lewinsbrook, NSW	NSW, AU
<i>Goniocladia</i>	<i>miloradovitschi</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Goniocladia</i>	<i>parva</i>	Lower Carboniferous	Rouchel Brook	NSW, AU
<i>Goniocladia</i>	<i>pulchra</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Goniocladia</i>	<i>stepanovi</i>	Lower Carboniferous		Turkestan
<i>Goniocladia</i>	<i>stepanovi</i>	Visean	doneckni	Rostov Oblast, Russia
<i>Goniocladia</i>	<i>tenuis</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Goniocladia</i>	<i>varians</i>	Carboniferous?	Pechora Region	Komi Republic, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Goniocladia</i>	xxx	Lower Carboniferous		Turkestan
<i>Goniocladia</i>	xxx	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Goniocladia</i>	<i>zalesskii</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Hallopora</i>	<i>fruticosa</i>	Lower Carboniferous	Moorowarra Parish	NSW, AU
<i>Hayasakapora</i>	xxx	Middle Carboniferous- Akiyoshi ls		Yamaguchi Prefecture, Honshu, Japan
<i>Hayasakapora</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Hederella</i>	<i>carbonaria</i>	Brigantian- Coldstones ls	Coldstones East Quarry, Greenhow Hill	Yorkshire, Eng
<i>Hederella</i>	<i>carbonaria</i>	Visean- Upper	Watny-Brodilas, near Holywell	Clwyd
<i>Hederella</i>	<i>chesterensis</i>	Chester		Illinois Basin
<i>Hederella</i>	xxx	Chester- Bangor ls	Reid Gap, AR	Blount County, AL
<i>Hederella</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Helenopora</i>	<i>duncanae</i>	Chester	Broadwater County, MT	Broadwater County, MT
<i>Helenopora</i>	<i>duncanae</i>	Chester	Cache County, UT	Cache County, UT
<i>Helenopora</i>	<i>duncanae</i>	Chester	Caribou County, ID	Caribou County, ID
<i>Helenopora</i>	<i>duncanae</i>	Chester	Lincoln County, WY	Lincoln County, WY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Helenopora</i>	<i>duncananae</i>	Chester	Toole County, UT	Toole County, UT
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Anna, IL	Union County, IL
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Chester, IL	Randolf County, IL
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Huntsville, AL	Madison County, AL
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Meade County, KY	Meade County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Redbud, IL	Randolf County, IL
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Ruma, IL	Randolf County, IL
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Smithland, KY	Livingston County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Heliotrypa</i>	<i>bifolia</i>	Chester		Illinois Basin

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Heloclema</i>	<i>magnificum</i>	Visean	Eastern Alburz Mnts, Iran	Golestan Province, Iran
<i>Heloclema</i>	<i>orientalis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Heloclema</i>	<i>orientalis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Heloclema</i>	<i>orientalis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Heloclema</i>	<i>spirale</i>	Namurian/Serpukhovian		Altai Kraj, Russia
<i>Heloclema</i>	<i>spiralis</i>	Visean	podmoskovnii	Russian Platform
<i>Hemitrpya</i>	<i>aprilae</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Somerset, KY	Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Hemitrpya</i>	<i>aspera</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>aspera</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Hemitrpya</i>	<i>bespalovi</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>burulica</i>	Lower Carboniferous		Turkestan
<i>Hemitrpya</i>	<i>burulica</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Hemitrpya</i>	<i>burulica</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>burulica</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>burulica</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>burulica</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>clarkei</i>	Lower Carboniferous	Hilldale	NSW, AU
<i>Hemitrpya</i>	<i>composita</i>	Lower Carboniferous		Turkestan
<i>Hemitrpya</i>	<i>composita</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Hemitrpya</i>	<i>hemitrypa</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Hemitrpya</i>	<i>hemitrypa</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Hemitrpya</i>	<i>hibernica</i>	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales
<i>Hemitrpya</i>	<i>hibernica</i>	Carboniferous- Early		Mongolia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Hemitrpya</i>	<i>hibernica</i>	Lower Carboniferous	Treak Cliff	Derbyshire, Eng
<i>Hemitrpya</i>	<i>microfenestella</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>microfenestella</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>microfenestella</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>microfenestella</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Hemitrpya</i>	<i>nodosa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>oculata</i>	Visean		Cork County
<i>Hemitrpya</i>	<i>paterformis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Appanoosa, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Celina, TN	Clay County, TN
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Hemitrpya</i>	<i>pateriformis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Keokuk, IA	Lee County, IA

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Hemitrpya</i>	<i>perstriata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>perstriata</i>	Visean	Kohlenkalk- Steinbruches von Ratingen	North Rhine- Westphalia, Germany
<i>Hemitrpya</i>	<i>perstriata</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Hemitrpya</i>	<i>plumosa</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Hemitrpya</i>	<i>plumosa</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Hemitrpya</i>	<i>plumosa</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Hemitrpya</i>	<i>plumosa</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Hemitrpya</i>	<i>plumosa</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Hemitrpya</i>	<i>plumosa</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Hemitrpya</i>	<i>plumosa</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Carboniferous- Early		Mongolia
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Keokuk, IA	Lee County, IA

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Hemitrpya</i>	<i>proutana</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Hemitrpya</i>	<i>proutana</i>	Lower Carboniferous		Turkestan
<i>Hemitrpya</i>	<i>proutana</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Alton, IL	Madison County, IL
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Somerset, KY	Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Hemitrpya</i>	<i>proutana</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>proutana</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>proutana</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>proutana</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>proutana</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>proutana</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Hemitrpya</i>	<i>proutana</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Hemitrpya</i>	<i>proutana</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Hemitrpya</i>	<i>proutana</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Hemitrpya</i>	<i>proutana</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana</i>	warsaw		Hardin County, IL
<i>Hemitrpya</i>	<i>proutana nodulosa</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Hemitrpya</i>	<i>proutana-nodulosa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>proutana-vermifera</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Hemitrpya</i>	<i>proutana-vermifera</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Hemitrpya</i>	<i>proutana-vermifera</i>	Warsaw	Monroe County, IL	Monroe County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Hemitrpya</i>	<i>proutana-vermifera</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Hemitrpya</i>	<i>proutana-vermifera</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Hemitrpya</i>	<i>proutana-vermifera</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Hemitrpya</i>	<i>proutana-vermifera</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Hemitrpya</i>	<i>regida</i>	Carboniferous- Early		Mongolia
<i>Hemitrpya</i>	<i>reticulata</i>	Humbug ftn	Tooele County, UT	Tooele County, UT
<i>Hemitrpya</i>	<i>vermifera</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Hemitrpya</i>	xxx	Deseret ls	Utah County, UT	Utah County, UT
<i>Heterotrypa</i>	<i>tumida</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Hexagonellidae</i>	xxx	Chester-Akiyoshi fmt	Okubo, Japan	Chiba Prefecture, Honshu, Japan
<i>Hexites</i>	<i>paradoxus</i>	Asbian- Glencar ls		Fermanagh County
<i>Hexites</i>	<i>triangularis</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Hexites</i>	<i>triangularis</i>	Visean	podmoskovnii	Russian Platform
<i>Hexites</i>	<i>triangularis</i>	Visean		Altai Kraj, Russia
<i>Hexites</i>	<i>triangularis</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia
<i>Hinaclema</i>	<i>hinaensis</i>	Visean- Lower(Hina ls)	50 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Hinaclema</i>	<i>sakagami</i>	Lower Carboniferous	Tien Shan	Xinjiang, China
<i>Hinaclema</i>	<i>sakagamii</i>	Visean- Early	Tashkent,	Tashkent Province,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			Uzbekistan	Uzbekistan
<i>Hinaclema</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Hunanopora</i>	<i>multivaria</i>	Tzemenchiao fmt	Xiangxiang	Hunan, China
<i>Hunanopora</i>	<i>sinensis</i>	Lower Carboniferous	Anhua	Anhua County, Hunan, China
<i>Hyalotoechus</i>	<i>lineatus</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Hyalotoechus</i>	<i>lineatus</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Hyalotoechus</i>	<i>lineatus</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Hyphasmopora</i>	<i>mukhini</i>	Lower Carboniferous		Turkestan
<i>Ichthyorachis</i>	xxx	Mooney Falls	Mohave County, AZ	Mohave County, AZ
<i>Ichthyorachis</i>	<i>newenhami</i>	Asbian- Glencar ls		Fermanagh County
<i>Ichthyorachis</i>	<i>newenhami</i>	Chadian		Limerick County
<i>Ichthyorachis</i>	<i>newenhami</i>	Courceyan		Cork County
<i>Ichthyorachis</i>	<i>newenhami</i>	Courceyan- Hook Hand ls		Wexford County
<i>Ichthyorachis</i>	<i>newenhami</i>	Asbian		Fermanagh County
<i>Ichthyorachis</i>	<i>newenhami</i>	Chadian		Limerick
<i>Ichthyorachis</i>	<i>newenhami</i>	Courceyan		Wexford County
<i>Insignia</i>	<i>acatalecta</i>	Tournasean		Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Insignia</i>	<i>texera</i>	Tournasean		Kazakhstan
<i>Intrapora</i>	<i>acatalecta</i>	Tourinasean	Central Kazakhstan	Central Kazakhstan
<i>Intrapora</i>	<i>acatalecta</i>	Tourinasean		Central Kazakhstan
<i>Intrapora</i>	<i>basalis</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Intrapora</i>	<i>basalis</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Intrapora</i>	<i>basalis</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Intrapora</i>	<i>basalis</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Intrapora</i>	<i>basalis</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Intrapora</i>	<i>basalis</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Intrapora</i>	<i>basalis</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Intrapora</i>	<i>undata</i>	Chester		Illinois Basin
<i>Intrapora</i>	<i>undulata</i>	Chester	Anna, IL	Union County, IL
<i>Intrapora</i>	<i>undulata</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Intrapora</i>	<i>undulata</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Chester, IL	Randolf County, IL
<i>Intrapora</i>	<i>undulata</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Huntsville, AL	Madison County, AL
<i>Intrapora</i>	<i>undulata</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Intrapora</i>	<i>undulata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Meade County, KY	Meade County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Newtonville, OH	Muskingum County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Intrapora</i>	<i>undulata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Redbud, IL	Randolf County, IL
<i>Intrapora</i>	<i>undulata</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Intrapora</i>	<i>undulata</i>	Chester	Ruma, IL	Randolf County, IL
<i>Intrapora</i>	<i>undulata</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Smithland, KY	Livingston County, KY
<i>Intrapora</i>	<i>undulata</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Ipmorella</i>	<i>clara</i>	Tournasean- lower	SE Armenia	SE Armenia
<i>Ipmorella</i>	<i>irregularis</i>	Tournasean		Altai Kraj, Russia
<i>Ipmorella</i>	<i>maculata</i>	Tournasean		Altai Kraj, Russia
<i>Klaucena</i>	<i>aequabilis</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Klaucena</i>	<i>affantinodata</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Klaucena</i>	<i>altinodata</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Klaucena</i>	<i>contragosa</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Klaucena</i>	<i>firma</i>	Tourinasean	Central Kazakhstan	Central Kazakhstan
<i>Klaucena</i>	<i>firma</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Klaucena</i>	<i>immortalis</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Klaucena</i>	<i>lalolamina</i>	Mengkungao fmt	Longhui	Hunan, China
<i>Klaucena</i>	<i>microcellata</i>	Tournasean		Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Klaucena</i>	<i>pauper</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Klaucena</i>	<i>spira firma</i>	Tourinasean		Central Kazakhstan
<i>Klaucena</i>	<i>spiroformis</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Klaucena</i>	<i>spiroformis</i>	Shihtengtze fmt	Xiangxiang	Hunan, China
<i>Klaucena</i>	<i>triznae</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Klaucena (Spira)</i>	<i>altinodata</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Klaucena(K)</i>	<i>confragosa</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(K)</i>	<i>confragosa microcellata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(K)</i>	<i>immortalis</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(K)</i>	<i>pauper</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>aculeus</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>aculeus</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>aculeus</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>aculeus</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>aequabilis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>aequabilis</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Klaucena(Spira)</i>	<i>aequabilis</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>altinodata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>altinodata</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>altinodata</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>altinodata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Klaucena(Spira)</i>	<i>firma</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Koninckopora</i>	<i>intlata</i>	Visean	Cracoe, Yorkshire	Yorkshire, Eng
<i>Koninckopora</i>	<i>intlata</i>	Visean	Wetton	Staffordshire, Eng
<i>Laxifenestella</i>	<i>coniunctistyla</i>	Warsaw- Ullin Is	Ullin, IL	Pulaski County, IL
<i>Laxifenestella</i>	<i>maculasimilis</i>	Keokuk	Caney Creek, KY	Russell County, KY
<i>Laxifenestella</i>	<i>maculasimilis</i>	Warsaw- Ullin Is	Ullin, IL	Pulaski County, IL
<i>Laxifenestella</i>	<i>serratula</i>	Warsaw- Ullin Is	Ullin, IL	Pulaski County, IL
<i>Laxifenestella</i>	<i>snyderi</i>	Chester- Otter Fmt	Armington, MT	Cascade County, MT
<i>Leioclema</i>	<i>araneum</i>	Chester	Anna, IL	Union County, IL
<i>Leioclema</i>	<i>araneum</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Leioclema</i>	<i>araneum</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Leioclema</i>	<i>araneum</i>	Chester	Chester, IL	Randolf County, IL
<i>Leioclema</i>	<i>araneum</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Leioclema</i>	<i>araneum</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Leioclema</i>	<i>araneum</i>	Chester	Huntsville, AL	Madison County, AL
<i>Leioclema</i>	<i>araneum</i>	Chester	Jackson County, KY	Jackson County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Leioclema</i>	<i>araneum</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Leioclema</i>	<i>araneum</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Leioclema</i>	<i>araneum</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Leioclema</i>	<i>araneum</i>	Chester	Meade County, KY	Meade County, KY
<i>Leioclema</i>	<i>araneum</i>	Chester	Monroe County, IL	Monroe County, IL
<i>Leioclema</i>	<i>araneum</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Leioclema</i>	<i>araneum</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Leioclema</i>	<i>araneum</i>	Chester	Redbud, IL	Randolf County, IL
<i>Leioclema</i>	<i>araneum</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Leioclema</i>	<i>araneum</i>	Chester	Ruma, IL	Randolf County, IL
<i>Leioclema</i>	<i>araneum</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Leioclema</i>	<i>araneum</i>	Chester	Smithland, KY	Livingston County, KY
<i>Leioclema</i>	<i>araneum</i>	chester	St. Genevieve, MO	St. Lane County, MO
<i>Leioclema</i>	<i>araneum</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Leioclema</i>	<i>araneum</i>	Chester		Illinois Basin
<i>Leioclema</i>	<i>araneum</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Leioclema</i>	<i>foliatum</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Leioclema</i>	<i>foliatum</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Leioclema</i>	<i>foliatum</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Leioclema</i>	<i>foliatum</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Leioclema</i>	<i>foliatum</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Leioclema</i>	<i>foliatum</i>	Warsaw	Spergen Hill, IN	Washington County, IN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Leioclema</i>	<i>foliatum</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Leioclema</i>	<i>foliatum</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Leioclema</i>	<i>gracillimum</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Burlington	Marshalltown, IA	Marshall County, IA
<i>Leioclema</i>	<i>gracillimum</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Burlington	Quincy, IL	Adams County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Celina, TN	Clay County, TN
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Hannibal, MO	Marion County, MO
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Overton County, TN	Overton County, TN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Leioclema</i>	<i>gracillimum</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Leioclema</i>	<i>gracillimum</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Leioclema</i>	<i>gracillimum</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Leioclema</i>	<i>gracillimum</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Leioclema</i>	<i>gracillimum</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Leioclema</i>	<i>gracillimum</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Leioclema</i>	<i>gracillimum</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Leioclema</i>	<i>gracillimum</i>	Waverly	Lodi, OH	Medina County, OH
<i>Leioclema</i>	<i>gracillimum</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Leioclema</i>	<i>gracillimum</i>	Waverly	Newark, OH	Licking County, OH
<i>Leioclema</i>	<i>gracillimum</i>	Waverly	Richfield, OH	Summit County, OH
<i>Leioclema</i>	<i>gracillimum</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Leioclema</i>	<i>indentata</i>	Asbian- Glencar Is		Fermanagh County
<i>Leioclema</i>	<i>indentata</i>	Asbian- Glencar Is		Leitrim County
<i>Leioclema</i>	<i>kobayashii</i>	Lower Carboniferous- Hikoroichi Is		Morioka Province, Japan
<i>Leioclema</i>	<i>porosa</i>	Lower Carboniferous	Rockhampton	QLD, AU

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Leioclema</i>	<i>punctatum</i>	Keokuk	Wayland, MO	Hancock County, IL
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Alton, IL	Madison County, IL
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Leioclema</i>	<i>punctatum</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Leioclema</i>	<i>punctatum</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Leioclema</i>	<i>punctatum</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Leioclema</i>	<i>punctatum</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Leioclema</i>	<i>punctatum</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Leioclema</i>	<i>punctatum</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Leioclema</i>	<i>punctatum</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Leioclema</i>	<i>punctatum</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Leioclema</i>	<i>punctatum</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Leioclema</i>	<i>punctatum</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Leioclema</i>	<i>punctatum</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Leioclema</i>	<i>punctatum</i>	Waverly	Lodi, OH	Medina County, OH
<i>Leioclema</i>	<i>punctatum</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Leioclema</i>	<i>punctatum</i>	Waverly	Newark, OH	Licking County, OH
<i>Leioclema</i>	<i>punctatum</i>	Waverly	Richfield, OH	Summit County, OH
<i>Leioclema</i>	<i>punctatum</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Leioclema</i>	<i>subglobosum</i>	Burlington	Marshalltown, IA	Marshall County, IA
<i>Leioclema</i>	<i>uzuraensis</i>	Lower Carboniferous-Uzura		Pahang, Malaysia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Leioclema</i>	<i>wachsmuthi</i>	Burlington	Marshalltown, IA	Marshall County, IA
<i>Leioclema</i>	xxx	Asbian	Llandudno, North Wales	North Wales
<i>Leioclema</i>	xxx	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales
<i>Leioclema</i>	xxx	Chester-Akiyoshi fmt	Tobinosu, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Leioclema</i>	xxx	Dinantian	Llandudno, North Wales	North Wales
<i>Leioclema</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Leioclema</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Leioclema</i>	xxx	Visean- Lower(Hina ls)	55 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Leioclema</i>	xxx	Visean-(Lower) Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Leptopora</i>	<i>trypa</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Levifenestella</i>	<i>maeve</i>	Tournasian	Easky	Sligo County
<i>Lioclema</i>	<i>bifoliata</i>	Lower Carboniferous		Turkestan
<i>Lioclema</i>	<i>cassis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>cassis</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Lioclema</i>	<i>clara</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>clara</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>echinata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>gracillimum</i>	Lower Carboniferous		Donets'ka, Ukraine
<i>Lioclema</i>	<i>gracillimum</i>	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Lioclema</i>	<i>lubrica</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>podunskensis</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>podunskensis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>podunskensis</i>	Tourinasean- Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>podunskensis</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>podunskensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>prolifca</i>	Lower Carboniferous		Turkestan
<i>Lioclema</i>	<i>rojkiensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>semetra</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Lioclema</i>	<i>textila</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Oblast, Russia
<i>Lyropora</i>	<i>divergens</i>	Chester	Anna, IL	Union County, IL
<i>Lyropora</i>	<i>divergens</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Lyropora</i>	<i>divergens</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Chester, IL	Randolf County, IL
<i>Lyropora</i>	<i>divergens</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Huntsville, AL	Madison County, AL
<i>Lyropora</i>	<i>divergens</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Lyropora</i>	<i>divergens</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Meade County, KY	Meade County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Lyropora</i>	<i>divergens</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Redbud, IL	Randolf County, IL
<i>Lyropora</i>	<i>divergens</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Lyropora</i>	<i>divergens</i>	Chester	Ruma, IL	Randolf County, IL
<i>Lyropora</i>	<i>divergens</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Smithland, KY	Livingston County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Lyropora</i>	<i>divergens</i>	Chester		Illinois Basin

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Lyropora</i>	<i>lyra</i>	Chester		Illinois Basin
<i>Lyropora</i>	<i>ovalis</i>	Chester	Anna, IL	Union County, IL
<i>Lyropora</i>	<i>ovalis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Lyropora</i>	<i>ovalis</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Chester, IL	Randolf County, IL
<i>Lyropora</i>	<i>ovalis</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Grayson, KY	Grayson County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Huntsville, AL	Madison County, AL
<i>Lyropora</i>	<i>ovalis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Lyropora</i>	<i>ovalis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Meade County, KY	Meade County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Lyropora</i>	<i>ovalis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Lyropora</i>	<i>ovalis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Lyropora</i>	<i>ovalis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Lyropora</i>	<i>ovalis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Smithland, KY	Livingston County, KY
<i>Lyropora</i>	<i>ovalis</i>	Chester	Stepensport, KY	Breckenridge County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Lyropora</i>	<i>ovalis</i>	Chester		Illinois Basin
<i>Lyropora</i>	<i>plana</i>	Chester		Illinois Basin
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Anna, IL	Union County, IL
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Chester, IL	Randolf County, IL
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Huntsville, AL	Madison County, AL
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Meade County, KY	Meade County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Smithland, KY	Livingston County, KY
<i>Lyropora</i>	<i>quincuncialis</i>	Chester	Stepensport, KY	Breckenridge County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Lyropora</i>	<i>quincunxialis</i>	Chester		Illinois Basin
<i>Lyropora</i>	<i>ranosculum</i>	Chester	Chester, IL	Randolf County, IL
<i>Lyropora</i>	<i>ranosculum</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Lyropora</i>	<i>ranosculum</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Lyropora</i>	<i>ranosculum</i>	Chester		Illinois Basin
<i>Lyropora</i>	<i>retrosa</i>	Burlington	Louisiana, MO	Pike County, MO
<i>Lyropora</i>	<i>spinifera</i>	Chester		Illinois Basin
<i>Lyropora</i>	<i>subquadrans</i>	Chester	Chester, IL	Randolf County, IL
<i>Lyropora</i>	<i>subquadrans</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Lyropora</i>	<i>subquadrans</i>	Chester		Illinois Basin
<i>Lyropora</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Lyropora</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Lyropora</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Lyropora</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Lyropora</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Lyropora</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Lyropora</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Lyropora</i>	xxx	Warsaw		Hardin County, IL
<i>Lyroporella</i>	<i>carinata</i>	Chester		Illinois Basin
<i>Lyroporella</i>	<i>divergens</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Lyroporella</i>	<i>divergens</i>	Chester- Glen Dean	Eckerty, IN	Crawford County, IN
<i>Lyroporella</i>	<i>divergens</i>	Chester- Glen Dean	Leopold, IN	Perry County, IN
<i>Lyroporella</i>	<i>lyroides</i>	Chester		Illinois Basin
<i>Lyroporella</i>	xxx	Mooney Falls	Yavapai County, AZ	Yavapai County, AZ
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Anna, IL	Union County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Baldwin, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Caldwell County, KY	Caldwell County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Chester, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Crittenden County, KY	Crittenden County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Grayson Springs, KY	Grayson County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Huntsville, AL	Madison County, AL
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Jackson County, KY	Jackson County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Kaskaskia, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Litchfield, KY	Grayson County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Livingston County, KY	Livingston County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Meade County, KY	Meade County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Newtonville, OH	Muskingum County, OH
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Pulaski County, KY	Pulaski County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Redbud, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Rockwood, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Ruma, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Smithland, KY	Livingston County, KY
<i>Lyroporidra</i>	<i>spinifera</i>	Chester- pre-Glen Dean	Stepensport, KY	Breckenridge County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Anna, IL	Union County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Baldwin, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Caldwell County, KY	Caldwell County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Chester, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Crittenden County, KY	Crittenden County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Grayson Springs, KY	Grayson County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Huntsville, AL	Madison County, AL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Jackson County, KY	Jackson County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Kaskaskia, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Litchfield, KY	Grayson County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Livingston County, KY	Livingston County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Meade County, KY	Meade County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Newtonville, OH	Muskingum County, OH
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Pulaski County, KY	Pulaski County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester Is	Redbud, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester ls	Rockwood, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester ls	Ruma, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester ls	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester ls	Smithland, KY	Livingston County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Chester ls	Stepensport, KY	Breckenridge County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Anna, IL	Union County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Baldwin, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Caldwell County, KY	Caldwell County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Chester, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Crittenden County, KY	Crittenden County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Grayson Springs, KY	Grayson County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Huntsville, AL	Madison County, AL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Jackson County, KY	Jackson County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Kaskaskia, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Litchfield, KY	Grayson County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Livingston County, KY	Livingston County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Meade County, KY	Meade County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Newtonville, OH	Muskingum County, OH
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Pulaski County, KY	Pulaski County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Redbud, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Rockwood, IL	Randolf County, IL
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Ruma, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Smithland, KY	Livingston County, KY
<i>Lyroporidra</i>	<i>subquadrans</i>	Chester- Glen Dean	Stepensport, KY	Breckenridge County, KY
<i>Mediapore</i>	<i>afgana</i>	Tournasean		Afghanistan
<i>Mediapore</i>	<i>aliena</i>	Mid/Upper Carboniferous		Southern Mongolia
<i>Mediapore</i>	<i>fragilis</i>	Tournasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapore</i>	<i>fragilis</i>	Tournasean- Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapore</i>	<i>fragilis</i>	Tournasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapore</i>	<i>fragilis</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Mediapore</i>	<i>fragilis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapore</i>	<i>fragilis</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapore</i>	<i>injaensis</i>	Tournasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapore</i>	<i>injaensis</i>	Tournasean- Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapore</i>	<i>injaensis</i>	Tournasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapore</i>	<i>injaensis</i>	Tournasean		Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Mediapora</i>	<i>injaensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapora</i>	<i>kusbassensis</i>	Lower Carboniferous		Kemerovskaya Oblast, Russia
<i>Mediapora</i>	<i>rhombicellata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapora</i>	<i>rhombicellata</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapora</i>	<i>rhombicellata</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapora</i>	<i>rhombicellata</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Mediapora</i>	<i>rhombicellata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Mediapora</i>	<i>tulensis</i>	Visean		Volgograd Oblast, Russia
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Somerset, KY	Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekopora</i>	<i>aperta</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Meekopora</i>	<i>aperta</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Meekopora</i>	<i>aperta</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Meekopora</i>	<i>aperta</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Meekopora</i>	<i>approximata</i>	Chester	Anna, IL	Union County, IL
<i>Meekopora</i>	<i>approximata</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Meekopora</i>	<i>approximata</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Chester, IL	Randolf County, IL
<i>Meekopora</i>	<i>approximata</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Huntsville, AL	Madison County, AL
<i>Meekopora</i>	<i>approximata</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Meekopora</i>	<i>approximata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Meade County, KY	Meade County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Meekopora</i>	<i>approximata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Redbud, IL	Randolf County, IL
<i>Meekopora</i>	<i>approximata</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Meekopora</i>	<i>approximata</i>	Chester	Ruma, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekopora</i>	<i>approximata</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Smithland, KY	Livingston County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Meekopora</i>	<i>approximata</i>	Chester		Illinois Basin
<i>Meekopora</i>	<i>approximata</i>	Lower Carboniferous- Hikoroichi Is		Morioka Province, Japan
<i>Meekopora</i>	<i>approximata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Meekopora</i>	<i>approximata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Meekopora</i>	<i>approximata</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Meekopora</i>	<i>approximata</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Meekopora</i>	<i>clausa</i>	Chester	Anna, IL	Union County, IL
<i>Meekopora</i>	<i>clausa</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Meekopora</i>	<i>clausa</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Chester, IL	Randolf County, IL
<i>Meekopora</i>	<i>clausa</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Grayson, KY	Grayson County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Huntsville, AL	Madison County, AL
<i>Meekopora</i>	<i>clausa</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Kaskaskia, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekopora</i>	<i>clausa</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Meade County, KY	Meade County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Meekopora</i>	<i>clausa</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Redbud, IL	Randolf County, IL
<i>Meekopora</i>	<i>clausa</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Meekopora</i>	<i>clausa</i>	Chester	Ruma, IL	Randolf County, IL
<i>Meekopora</i>	<i>clausa</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Smithland, KY	Livingston County, KY
<i>Meekopora</i>	<i>clausa</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Meekopora</i>	<i>clausa</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Meekopora</i>	<i>clausa</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Meekopora</i>	<i>clausa</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Meekopora</i>	<i>clausa</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Meekopora</i>	<i>clausa</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Meekopora</i>	<i>clausa</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Meekopora</i>	<i>clausa</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Meekopora</i>	<i>eximia</i>	Chester	Anna, IL	Union County, IL
<i>Meekopora</i>	<i>eximia</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Meekopora</i>	<i>eximia</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Chester, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekopora</i>	<i>eximia</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Huntsville, AL	Madison County, AL
<i>Meekopora</i>	<i>eximia</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Meekopora</i>	<i>eximia</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Meade County, KY	Meade County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Monroe County, IL	Monroe County, IL
<i>Meekopora</i>	<i>eximia</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Meekopora</i>	<i>eximia</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Redbud, IL	Randolf County, IL
<i>Meekopora</i>	<i>eximia</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Meekopora</i>	<i>eximia</i>	Chester	Ruma, IL	Randolf County, IL
<i>Meekopora</i>	<i>eximia</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Smithland, KY	Livingston County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester		Illinois Basin
<i>Meekopora</i>	<i>eximia</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Meekopora</i>	<i>eximia</i>	Chester- Glen Dean		Crawford County, IN
<i>Meekopora</i>	<i>eximia</i>	Chester- Glen Dean		Greene County, IN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekopora</i>	<i>eximia</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Meekopora</i>	<i>eximia</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Meekopora</i>	<i>eximia</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Meekopora</i>	<i>eximia</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Alton, IL	Madison County, IL
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Monroe County, IL	Monroe County, IL
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Somerset, KY	Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekopora</i>	<i>eximia</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Meekopora</i>	<i>eximia</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Meekopora</i>	<i>eximia</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Meekopora</i>	<i>izutoensis</i>	Lower Carboniferous-Izuto Is		Yamaguchi Prefecture, Honshu, Japan
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Meekopora</i>	<i>megastoma</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Meekopora</i>	<i>megastoma</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Meekopora</i>	<i>megastoma</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Meekopora</i>	<i>megastoma</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Meekopora</i>	<i>megastoma</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Meekopora</i>	<i>megastoma</i>	Warsaw	Spergen Hill, IN	Washington County, IN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekopora</i>	<i>megastoma</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Meekopora</i>	<i>megastoma</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Meekopora</i>	<i>mikuckii</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Meekopora</i>	<i>pinnata</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Meekopora</i>	<i>pinnata</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Meekopora</i>	<i>pinnata</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Meekopora</i>	<i>pinnata</i>	Burlington	Quincy, IL	Adams County, IL
<i>Meekopora</i>	<i>pinnata</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Meekopora</i>	<i>prosseri</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Meekopora</i>	<i>prosseri</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Meekopora</i>	<i>prosseri</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Meekopora</i>	<i>regularis</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Meekopora</i>	<i>tenuis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Meekopora</i>	<i>tenuis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Meekopora</i>	<i>trifolia</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Meekopora</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Meekopora</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Meekopora</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Meekopora</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Meekopora</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Meekopora</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Meekopora</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Meekopora</i>	xxx	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Meekopora</i>	xxx	Thunder Springs	Mohave County, AZ	Mohave County, AZ

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekopora</i>	<i>xxx</i>	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Meekopora</i>	<i>yini</i>	Lower Carboniferous	Anhua	Anhua County, Hunan, China
<i>Meekopora</i>	<i>yini</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Meekopora</i>	<i>yini</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Meekopora</i>	<i>yini</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Meekopora</i>	<i>yini</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Meekopora</i>	<i>yini</i>	Lower Carboniferous-upper		Baxoi County, Tibet
<i>Meekopora</i>	<i>yini</i>	Lower Carboniferous-upper		Markan County, Tibet
<i>Meekopora</i>	<i>yini</i>	Lower Carboniferous-upper		Rutog County, Tibet
<i>Meekopora</i>	<i>yini</i>	Lower Carboniferous-upper		Zogang County, Tibet
<i>Meekoporella</i>	<i>balladoolensis</i>	Asbian		Armaugh County

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Meekoporella</i>	<i>balladoolensis</i>	Asbian		Derbyshire, Eng
<i>Meekoporella</i>	<i>balladoolensis</i>	Asbian		Isle of Man
<i>Meekoporella</i>	<i>balladoolensis</i>	Asbian- Apron reef ls		Derbyshire, Eng
<i>Meekoporella</i>	<i>balladoolensis</i>	Asbian- Balladoole Coral		Isle of Man
<i>Meekoporella</i>	<i>bancrofti</i>	Asbian- Balladoole Coral		Somerset, Eng
<i>Meekoporella</i>	<i>bancrofti</i>	Brigantian- Hotwells ls		Somerset, Eng
<i>Meekoporella</i>	xxx	Visean- Lower(Hina ls)	52 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Meekoporella</i>	xxx	Visean-(Lower) Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Megacanthopora</i>	<i>altaica</i>	Tourinasean		Rudnyi Altai
<i>Megacanthopora</i>	<i>composita</i>	Tourinasean		Gobi-altai
<i>Megacanthopora</i>	<i>gracilis</i>	Tourinasean		Mongolia
<i>Metapora</i>	<i>irregularis</i>	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Minilya</i>	<i>sivonella</i>	Keokuk	Caney Creek, KY	Russell County, KY
<i>Morozovapora</i>	<i>akiyoshiensis</i>	Chester-Akiyoshi fmt	Mizuta, Japan	Yamaguchi Prefecture, Honshu, Japan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Morozovapora</i>	<i>akiyoshiensis</i>	Lower Carboniferous- Izuto Is		Yamaguchi Prefecture, Honshu, Japan
<i>Morozovapora</i>	xxx	Middle Carboniferous- Akiyoshi Is		Yamaguchi Prefecture, Honshu, Japan
<i>Morozovapora</i>	xxx	Visean- Akiyoshi Is	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Nemacanthopora</i>	<i>costata</i>	Tournasean		Afghanistan
<i>Nematopora</i>	<i>hibernica</i>	Asbian- Glencar Is		Fermanagh County
<i>Nematopora</i>	<i>kusbassensis</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nematopora</i>	<i>tulensis</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Nematopora</i>	<i>tulensis</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia
<i>Nematopora</i>	<i>turkestanica</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Nematopora</i>	<i>turkestanica</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Nematopora</i>	xxx	Lower Carboniferous- Hikoroichi Is		Morioka Province, Japan
<i>Nematopora</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Neorhombopora</i>	<i>astricta</i>	Tournasean		Transcaucasa

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Neorhombopora</i>	<i>consona</i>	Lower Carboniferous		Kazakhstan
<i>Nicklesopora</i>	<i>angustiapertura</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>attenuata</i>	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Nicklesopora</i>	<i>bigemina</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Nicklesopora</i>	<i>bigemina</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Nicklesopora</i>	<i>carnosa</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>collatata</i>	Carboniferous- Early		Mongolia
<i>Nicklesopora</i>	<i>collatata</i>	Lower Carboniferous		Mongolia
<i>Nicklesopora</i>	<i>decipiens</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>dichotoma</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>elegantiformis</i>	Lower Carboniferous		Altai Kraj, Russia
<i>Nicklesopora</i>	<i>exigua</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>exigua</i>	Tourinasean- Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Nicklesopora</i>	<i>exigua</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>exigua</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>hostica</i>	Carboniferous- Early		Mongolia
<i>Nicklesopora</i>	<i>hostica</i>	Lower Carboniferous		Mongolia
<i>Nicklesopora</i>	<i>ohioensis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>ohioensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>persimilis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>simulatrix</i>	Carboniferous- Early		Mongolia
<i>Nicklesopora</i>	<i>simulatrix</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>tabulata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>taidonensis</i>	Lower Carboniferous		Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>taidonensis</i>	Tourinasean	Kazakhstan	Kazakhstan
<i>Nicklesopora</i>	<i>taidonensis</i>	Tourinasean		Central Kazakhstan
<i>Nicklesopora</i>	<i>taidonensis</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>tersiensis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>tersiensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesopora</i>	<i>tersiensis</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Oblast, Russia
<i>Nicklesopora</i>	<i>varians</i>	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Nicklesopora</i>	<i>varians</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nicklesoporidae</i>	<i>avaspinalis</i>	Mengkungao fmt	Longhui	Hunan, China
<i>Nicklesoporidae</i>	<i>longhuiensis</i>	Liuiatang fmt	Longhui	Hunan, China
<i>Nikiforovella</i>	<i>alternata</i>	Visean		Altai Kraj, Russia
<i>Nikiforovella</i>	<i>beltensis</i>	Chester- Otter Fmt	Armington, MT	Cascade County, MT
<i>Nikiforovella</i>	<i>bytchokensis</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>bytchokensis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>bytchokensis</i>	Tourinasean- Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>bytchokensis</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>bytchokensis</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>bytchokensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>diaphragmata</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>diaphragmata</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>elegantua</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Nikiforovella</i>	<i>elegntula</i>	Tournasean	Kuberganda	Iran
<i>Nikiforovella</i>	<i>elegntula</i>	Tournasean		Kara Tau,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Kazakhstan
<i>Nikiforovella</i>	<i>humilis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>idigena</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>idigena</i>	Tournasean		Mongolia
<i>Nikiforovella</i>	<i>indigena</i>	Carboniferous- Early		Mongolia
<i>Nikiforovella</i>	<i>kasakhstanica</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Nikiforovella</i>	<i>kasakhstanica</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>kazakstanica</i>	Tournasean		Kazakhstan
<i>Nikiforovella</i>	<i>kazakstanica</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>kutchumondensis</i>	Carboniferous- Early		Mongolia
<i>Nikiforovella</i>	<i>kutchumondensis</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>kutchumondensis</i>	Tournasean		Mongolia
<i>Nikiforovella</i>	<i>kutchumondensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>mukhini</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Nikiforovella</i>	<i>mukhini</i>	Tournasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>mukhini</i>	Tournasean	Kuberganda	Iran
<i>Nikiforovella</i>	<i>mukhini</i>	Tournasean		Kara Tau,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Kazakhstan
<i>Nikiforovella</i>	<i>mukhini</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>multipitata</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>multipitata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>multipitata</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>multipitata</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>multipitata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Nikiforovella</i>	<i>nana</i>	Lower Carboniferous		Xianza, Tibet
<i>Nikiforovella</i>	<i>nana</i>	Visean	podmoskovnii	Russian Platform
<i>Nikiforovella</i>	<i>nana</i>	Visean		Russian Platform, Russia
<i>Nikiforovella</i>	<i>operculata</i>	Visean	podmoskovnii	Russian Platform
<i>Nikiforovella</i>	<i>operculata</i>	Visean		Russian Platform, Russia
<i>Nikiforovella</i>	<i>pahangensis</i>	Visean		Thailand
<i>Nikiforovella</i>	<i>pahangensis</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Nikiforovella</i>	<i>proealternata</i>	Visean		NE Russsia
<i>Nikiforovella</i>	<i>spiralis</i>	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Nikiforovella</i>	<i>ulbensis</i>	Visean		Altai Kraj, Russia
<i>Nikiforovella</i>	<i>xianzaensis</i>	Lower Carboniferous		Xianza, Tibet

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Nikiforovella</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Nipponostenopora</i>	<i>bifoliata</i>	Visean- Upper	Karatau, Kazakhstan	Zhambyl, Kazakhstan
<i>Nipponostenopora</i>	<i>elegantula</i>	Lower Carboniferous- Fukuji ls		Siroishi Province, Japan
<i>Nipponostenopora</i>	<i>karatauensis</i>	Visean- Upper	Karatau, Kazakhstan	Zhambyl, Kazakhstan
<i>Nipponostenopora</i>	<i>sinensis</i>	Lower Namurian	Weining	Guizhou Province, China
<i>Nipponostenopora</i>	<i>yangfangensis</i>	Namurian	Zhanyi	Yunnan, China
<i>Ogbinopora</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Orthopora</i>	<i>bifurcata</i>	Lower Caboniferous		Germany
<i>Parafenestella</i>	<i>formosa</i>	Brigantian		Tyrone County
<i>Parafenestella</i>	<i>formosa</i>	Visean	Killymeal, Dungannon	Dungannon County
<i>Paranicklesopora</i>	<i>collata</i>	Lower Carboniferous		Northern Mongolia
<i>Paranicklesopora</i>	<i>elenae</i>	Visean		Govi-Altai province, Mongolia
<i>Paranicklesopora</i>	<i>hostica</i>	Lower Carboniferous		Northern Mongolia
<i>Paranicklesopora</i>	<i>stupenda</i>	Tournasean- middle	SE Armenia	SE Armenia
<i>Parastenodiscus</i>	<i>manakovi</i>	Namurian/Serpukhovian	SW Altai-Nurru Mtns	Govi-Altai province, Mongolia
<i>Penneretepora</i>	<i>osbornei</i>	Lower Carboniferous	Glen William	NSW, AU

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Penniretepora</i>	<i>ardmorensis</i>	Chester	Carter County, OK	Carter County, OK
<i>Penniretepora</i>	<i>decora</i>	Lower Carboniferous- Hikoroichi ls		Morioka Province, Japan
<i>Penniretepora</i>	<i>elegans</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Penniretepora</i>	<i>elegans</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Penniretepora</i>	<i>elegans</i>	Namurian	Haute-Garrone Province, France	Haute-Garrone Province, France
<i>Penniretepora</i>	<i>elegans</i>	Visean- Lower LS Group	Beith	Ayrshire, Scotland
<i>Penniretepora</i>	<i>flexicarinata</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Penniretepora</i>	<i>flexuosa</i>	Keokuk	Celina, TN	Clay County, TN
<i>Penniretepora</i>	<i>flexuosa</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Penniretepora</i>	<i>flexuosa</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Penniretepora</i>	<i>flexuosa</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Penniretepora</i>	<i>flexuosa</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Penniretepora</i>	<i>flexuosa</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Penniretepora</i>	<i>fomitchevi</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Penniretepora</i>	<i>fragilis</i>	Lower Carboniferous	Malmoe Parish	QLD, AU

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Penniretepora</i>	<i>fragilis</i>	Lower Carboniferous- Uzura		Pahang, Malaysia
<i>Penniretepora</i>	<i>houheishanensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Penniretepora</i>	<i>intermediaformis</i>	Carboniferous- Early		Mongolia
<i>Penniretepora</i>	<i>iwaii</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Penniretepora</i>	<i>laxa</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Penniretepora</i>	<i>longicellata</i>	Visean	srednii	Severnaya Zemlya Archipeligo, Russia
<i>Penniretepora</i>	<i>ofukuensis</i>	Lower Carboniferous- Uzura		Pahang, Malaysia
<i>Penniretepora</i>	<i>parvicapillare</i>	Visean	srednii	Severnaya Zemlya Archipeligo, Russia
<i>Penniretepora</i>	<i>pluma</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Penniretepora</i>	<i>spinosa</i>	Brigantian		East Kilbride, Scotland
<i>Penniretepora</i>	<i>triangulata</i>	Visean	podmoskovnii	Russian Platform
<i>Penniretepora</i>	<i>triserialis</i>	Lower Carboniferous	Treak Cliff	Derbyshire, Eng
<i>Penniretepora</i>	<i>ulbensis</i>	Carboniferous- Early		Mongolia
<i>Penniretepora</i>	<i>vinei</i>	Keokuk	Celina, TN	Clay County, TN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Penniretepora</i>	<i>vinei</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Penniretepora</i>	<i>vinei</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Penniretepora</i>	<i>vinei</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Penniretepora</i>	<i>vinei</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Penniretepora</i>	<i>vinei</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Penniretepora</i>	<i>wilsoneri</i>	Arnsbergian- Upper Ls Group	Carluk	Strathclyde, Scotland
<i>Penniretepora</i>	xxx	Asbian	Llandudno, North Wales	North Wales
<i>Penniretepora</i>	xxx	Carboniferous- Early		Mongolia
<i>Penniretepora</i>	xxx	Chester- Chainman Shale	Juab County, Utah	Juab County, UT
<i>Penniretepora</i>	xxx	Chester- Wymys Gap ls	Chalk Hill, Ohio	Fayette County, PA
<i>Penniretepora</i>	xxx	Chester- Wymys Gap ls	Fayette County, PA	Fayette County, PA
<i>Penniretepora</i>	xxx	Chester-Akiyoshi fm	Iso, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Penniretepora</i>	xxx	Dinantian	Llandudno, North Wales	North Wales
<i>Penniretepora</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Penniretepora</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Penniretepora</i>	xxx	Lower Carboniferous- Hikoroichi ls		Morioka Province, Japan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Penniretepora</i>	xxx	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Penniretepora</i>	xxx	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Penniretepora</i>	xxx	Lower Carboniferous- Uzura		Pahang, Malaysia
<i>Penniretepora</i>	xxx	Mooney Falls	Mohave County, AZ	Mohave County, AZ
<i>Penniretepora</i>	xxx	Thunder Springs	Mohave County, AZ	Mohave County, AZ
<i>Penniretepora</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Penniretepora</i>	XXX	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Penniretepora</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Penniretepora</i>	XXX	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Penniretepora</i>	xxx	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Permofenestella</i>	<i>mesopora</i>	Liuiatang fmt	Longhui	Hunan, China
<i>Petalotrypa</i>	<i>clivula</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Petalotrypa</i>	<i>kossmati</i>	Lower Carboniferous		Turkestan
<i>Petalotrypa</i>	<i>kossmati</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Petalotrypa</i>	<i>kossmati</i>	Visean- Upper	Karatau, Kazakhstan	Zhambyl, Kazakhstan
<i>Petalotrypa</i>	<i>punctata</i>	Visean	podmoskovnii	Russian Platform
<i>Petalotrypa</i>	<i>spinifera</i>	Tourinasean	Central Kazakhstan	Central Kazakhstan
<i>Petalotrypa</i>	<i>spinifera</i>	Tourinasean		Central Kazakhstan
<i>Petalotrypa</i>	XXX	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Phyllopora</i>	<i>portalensis</i>	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Phyllopora</i>	xxx	Lower Carboniferous		Turkestan
<i>Pinnatopora</i>	<i>bipinnata</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Pinnatopora</i>	<i>bipinnata</i>	Tournaisian	Bahnhof Isenbugel	North Rhine-Westphalia, Germany
<i>Pinnatopora</i>	<i>bipinnata</i>	Tournaisian	Wasserfall bei Velbert	North Rhine-Westphalia, Germany
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Jersey County, IL	Jersey County, IL
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Nauvoo, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Pinnatopora</i>	<i>conferta</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>curvata</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Pinnatopora</i>	<i>curvata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Pinnatopora</i>	<i>curvata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Pinnatopora</i>	<i>curvata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Pinnatopora</i>	<i>curvata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Pinnatopora</i>	<i>curvata</i>	Waverly	Newark, OH	Licking County, OH
<i>Pinnatopora</i>	<i>curvata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Pinnatopora</i>	<i>curvata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Pinnatopora</i>	<i>flexicarinata</i>	Lower Carboniferous		Turkestan
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Somerset, KY	Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Pinnatopora</i>	<i>flexuosa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>intermedia</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Pinnatopora</i>	<i>intermedia</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Pinnatopora</i>	<i>intermedia</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Pinnatopora</i>	<i>intermedia</i>	Waverly	Lodi, OH	Medina County, OH
<i>Pinnatopora</i>	<i>intermedia</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Pinnatopora</i>	<i>intermedia</i>	Waverly	Newark, OH	Licking County, OH
<i>Pinnatopora</i>	<i>intermedia</i>	Waverly	Richfield, OH	Summit County, OH
<i>Pinnatopora</i>	<i>intermedia</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Pinnatopora</i>	<i>longicellata</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Pinnatopora</i>	<i>longicellata</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Pinnatopora</i>	<i>minor</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Pinnatopora</i>	<i>minor</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Pinnatopora</i>	<i>minor</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Pinnatopora</i>	<i>minor</i>	Waverly	Lodi, OH	Medina County, OH
<i>Pinnatopora</i>	<i>minor</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Pinnatopora</i>	<i>minor</i>	Waverly	Newark, OH	Licking County, OH
<i>Pinnatopora</i>	<i>minor</i>	Waverly	Richfield, OH	Summit County, OH
<i>Pinnatopora</i>	<i>minor</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Pinnatopora</i>	<i>parvicapillare</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Pinnatopora</i>	<i>parvicapillare</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Pinnatopora</i>	<i>simulatrix</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Pinnatopora</i>	<i>simulatrix</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Pinnatopora</i>	<i>simulatrix</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Pinnatopora</i>	<i>simulatrix</i>	Waverly	Lodi, OH	Medina County, OH
<i>Pinnatopora</i>	<i>simulatrix</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Pinnatopora</i>	<i>simulatrix</i>	Waverly	Newark, OH	Licking County, OH
<i>Pinnatopora</i>	<i>simulatrix</i>	Waverly	Richfield, OH	Summit County, OH
<i>Pinnatopora</i>	<i>simulatrix</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Pinnatopora</i>	<i>striata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>subangulata</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Pinnatopora</i>	<i>subangulata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Pinnatopora</i>	<i>subangulata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Pinnatopora</i>	<i>subangulata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Pinnatopora</i>	<i>subangulata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Pinnatopora</i>	<i>subangulata</i>	Waverly	Newark, OH	Licking County, OH
<i>Pinnatopora</i>	<i>subangulata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Pinnatopora</i>	<i>subangulata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Pinnatopora</i>	<i>tenuiramosa</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Pinnatopora</i>	<i>tenuiramosa</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Pinnatopora</i>	<i>tenuiramosa</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Pinnatopora</i>	<i>tenuiramosa</i>	Waverly	Lodi, OH	Medina County, OH
<i>Pinnatopora</i>	<i>tenuiramosa</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Pinnatopora</i>	<i>tenuiramosa</i>	Waverly	Newark, OH	Licking County, OH
<i>Pinnatopora</i>	<i>tenuiramosa</i>	Waverly	Richfield, OH	Summit County, OH
<i>Pinnatopora</i>	<i>tenuiramosa</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	St. Francisville, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Pinnatopora</i>	<i>vinei</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>vinei</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Pinnatopora</i>	<i>vinei</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Pinnatopora</i>	<i>vinei</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Pinnatopora</i>	<i>vinei</i>	Waverly	Lodi, OH	Medina County, OH
<i>Pinnatopora</i>	<i>vinei</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Pinnatopora</i>	<i>vinei</i>	Waverly	Newark, OH	Licking County, OH
<i>Pinnatopora</i>	<i>vinei</i>	Waverly	Richfield, OH	Summit County, OH
<i>Pinnatopora</i>	<i>vinei</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Pinnatopora</i>	xxx	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Pinnatopora</i>	xxx	Visean	Hagen	North Rhine-Westphalia, Germany
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	St. Francisville, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Pinnatopora</i>	<i>youngi</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Pinnatopora</i>	<i>youngi</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Pinnatopora</i>	<i>youngi</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Pinnatopora</i>	<i>youngi</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Pinnatopora</i>	<i>youngi</i>	Waverly	Lodi, OH	Medina County, OH
<i>Pinnatopora</i>	<i>youngi</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Pinnatopora</i>	<i>youngi</i>	Waverly	Newark, OH	Licking County, OH
<i>Pinnatopora</i>	<i>youngi</i>	Waverly	Richfield, OH	Summit County, OH
<i>Pinnatopora</i>	<i>youngi</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Polyfenestella</i>	<i>fenestelliformis</i>	Brigantian- Lower ls group	Corrieburn	Campsie, Scotland
<i>Polyfenestella</i>	<i>fenestelliformis</i>	Brigantian- Lower ls group	Dykehead Pit, High Blantyre	High Blantyre, Scotland
<i>Polypora</i>	<i>actaschensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Polypora</i>	<i>approximata</i>	Chester	Anna, IL	Union County, IL
<i>Polypora</i>	<i>approximata</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Polypora</i>	<i>approximata</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Polypora</i>	<i>approximata</i>	Chester	Chester, IL	Randolf County, IL
<i>Polypora</i>	<i>approximata</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Polypora</i>	<i>approximata</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Polypora</i>	<i>approximata</i>	Chester	Huntsville, AL	Madison County, AL
<i>Polypora</i>	<i>approximata</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Polypora</i>	<i>approximata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Polypora</i>	<i>approximata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Polypora</i>	<i>approximata</i>	Chester	Livingston County,	Livingston County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			KY	KY
<i>Polypora</i>	<i>approximata</i>	Chester	Meade County, KY	Meade County, KY
<i>Polypora</i>	<i>approximata</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Polypora</i>	<i>approximata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Polypora</i>	<i>approximata</i>	Chester	Redbud, IL	Randolf County, IL
<i>Polypora</i>	<i>approximata</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Polypora</i>	<i>approximata</i>	Chester	Ruma, IL	Randolf County, IL
<i>Polypora</i>	<i>approximata</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Polypora</i>	<i>approximata</i>	Chester	Smithland, KY	Livingston County, KY
<i>Polypora</i>	<i>approximata</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Polypora</i>	<i>approximata</i>	Chester		Illinois Basin
<i>Polypora</i>	<i>binodus</i>	Brigantian- Lower ls group	Campsie Hills, Kilsyth	Kilsyth, Scotland
<i>Polypora</i>	<i>biseriata</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Polypora</i>	<i>biseriata</i>	Lower Carboniferous		Turkestan
<i>Polypora</i>	<i>biseriata</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Polypora</i>	<i>biseriata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>biseriata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>biseriata</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>biseriata</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Oblast, Russia
<i>Polypora</i>	<i>biseriata</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>biseriata</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Polypora</i>	<i>biseriata</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>biseriata</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Polypora</i>	<i>biseriata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Polypora</i>	<i>biseriata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Polypora</i>	<i>biseriata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Polypora</i>	<i>biseriata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Polypora</i>	<i>biseriata</i>	Waverly	Newark, OH	Licking County, OH
<i>Polypora</i>	<i>biseriata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Polypora</i>	<i>biseriata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Polypora</i>	<i>biseriata kusbassensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>burlingtonensis</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Polypora</i>	<i>burlingtonensis</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Polypora</i>	<i>burlingtonensis</i>	Burlington	Henderson County, IL	Henderson County, IL
<i>Polypora</i>	<i>burlingtonensis</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Polypora</i>	<i>burlingtonensis</i>	Burlington	Quincy, IL	Adams County, IL
<i>Polypora</i>	<i>burlingtonensis</i>	Burlington	Sagetown, IL	Henderson County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>cesteriensis</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>cestriensis</i>	Chester	Anna, IL	Madison County, IL
<i>Polypora</i>	<i>cestriensis</i>	Chester	Anna, IL	Union County, IL
<i>Polypora</i>	<i>cestriensis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Polypora</i>	<i>cestriensis</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	Chester, IL	Randolf County, IL
<i>Polypora</i>	<i>cestriensis</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	Huntsville, AL	Madison County, AL
<i>Polypora</i>	<i>cestriensis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Polypora</i>	<i>cestriensis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	Meade County, KY	Meade County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Polypora</i>	<i>cestriensis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Polypora</i>	<i>cestriensis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Polypora</i>	<i>cestriensis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Polypora</i>	<i>cestriensis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	Smithland, KY	Livingston County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester	St. Genevieve, MO	St. Lane County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>cestriensis</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Polypora</i>	<i>cestriensis</i>	Chester		Illinois Basin
<i>Polypora</i>	<i>cestriensis</i>	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Polypora</i>	<i>cestriensis</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Polypora</i>	<i>cestriensis</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Polypora</i>	<i>cestriensis</i>	Great Blue ls	Tooele County, UT	Tooele County, UT
<i>Polypora</i>	<i>cestriensis</i>	Keokuk	Celina, TN	Clay County, TN
<i>Polypora</i>	<i>cestriensis</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Polypora</i>	<i>cestriensis</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Polypora</i>	<i>cestriensis</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Polypora</i>	<i>cestriensis</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Polypora</i>	<i>cestriensis</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Polypora</i>	<i>cestriensis</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Polypora</i>	<i>cestriensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Polypora</i>	<i>cestriensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Polypora</i>	<i>cestriensis</i>	Lower Carboniferous-Stesevsky Horizon		Russian Platform
<i>Polypora</i>	<i>cestriensis</i>	Visean	podmoskovnii	Russian Platform
<i>Polypora</i>	<i>complanata</i>	Chester	Anna, IL	Union County, IL
<i>Polypora</i>	<i>complanata</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Polypora</i>	<i>complanata</i>	Chester	Caldwell County, KY	Caldwell County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>complanata</i>	Chester	Chester, IL	Randolf County, IL
<i>Polypora</i>	<i>complanata</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Polypora</i>	<i>complanata</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Polypora</i>	<i>complanata</i>	Chester	Huntsville, AL	Madison County, AL
<i>Polypora</i>	<i>complanata</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Polypora</i>	<i>complanata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Polypora</i>	<i>complanata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Polypora</i>	<i>complanata</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Polypora</i>	<i>complanata</i>	Chester	Meade County, KY	Meade County, KY
<i>Polypora</i>	<i>complanata</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Polypora</i>	<i>complanata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Polypora</i>	<i>complanata</i>	Chester	Redbud, IL	Randolf County, IL
<i>Polypora</i>	<i>complanata</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Polypora</i>	<i>complanata</i>	Chester	Ruma, IL	Randolf County, IL
<i>Polypora</i>	<i>complanata</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Polypora</i>	<i>complanata</i>	Chester	Smithland, KY	Livingston County, KY
<i>Polypora</i>	<i>complanata</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Polypora</i>	<i>complanata</i>	Chester		Illinois Basin
<i>Polypora</i>	<i>conspecta</i>	Carboniferous- Early		Mongolia
<i>Polypora</i>	<i>corticosa</i>	Chester	Anna, IL	Union County, IL
<i>Polypora</i>	<i>corticosa</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Polypora</i>	<i>corticosa</i>	Chester	Caldwell County, KY	Caldwell County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>corticosa</i>	Chester	Chester, IL	Randolf County, IL
<i>Polypora</i>	<i>corticosa</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester	Huntsville, AL	Madison County, AL
<i>Polypora</i>	<i>corticosa</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Polypora</i>	<i>corticosa</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester	Meade County, KY	Meade County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Polypora</i>	<i>corticosa</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester	Redbud, IL	Randolf County, IL
<i>Polypora</i>	<i>corticosa</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Polypora</i>	<i>corticosa</i>	Chester	Ruma, IL	Randolf County, IL
<i>Polypora</i>	<i>corticosa</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester	Smithland, KY	Livingston County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Polypora</i>	<i>corticosa</i>	Chester		Illinois Basin
<i>Polypora</i>	<i>corticosa</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Polypora</i>	<i>corticosa</i>	Chester- Glen Dean	Eckerty, IN	Crawford County, IN
<i>Polypora</i>	<i>corticosa</i>	Chester- Wymys Gap ls	Fayette County, PA	Fayette County, PA

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>debilis</i>	Chester	Carter County, OK	Carter County, OK
<i>Polypora</i>	<i>debilis</i>	Manning Canyon sh	Tooele County, UT	Tooele County, UT
<i>Polypora</i>	<i>dendroides</i>	Courceyan		Wexford County
<i>Polypora</i>	<i>dendroides</i>	Courceyan- Hook Hand ls		Wexford County
<i>Polypora</i>	<i>dendroides</i>	Dinantian		Cavan County
<i>Polypora</i>	<i>dendroides</i>	Dinantian		Laois County
<i>Polypora</i>	<i>elegantissima</i>	Lower Carboniferous-grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Polypora</i>	<i>elliptica</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Polypora</i>	<i>ermakiensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>gracilis</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Polypora</i>	<i>gracilis</i>	Keokuk	St. Francisville, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>gracilis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>gracilis</i>	Visean	Khao Noi, Thailand	Songkhla State, Thailand
<i>Polypora</i>	<i>gracilis</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>halliana</i>	Carboniferous- Early		Mongolia
<i>Polypora</i>	<i>halliana</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Polypora</i>	<i>halliana</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Polypora</i>	<i>halliana</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Polypora</i>	<i>halliana</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Polypora</i>	<i>halliana</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Polypora</i>	<i>halliana</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Polypora</i>	<i>halliana</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Polypora</i>	<i>halliana</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Polypora</i>	<i>halliana</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Polypora</i>	<i>halliana</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Polypora</i>	<i>halliana</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Polypora</i>	<i>halliana</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Polypora</i>	<i>halliana</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>halliana</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Polypora</i>	<i>halliana</i>	St. Louis	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>halliana</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>halliana</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Polypora</i>	<i>halliana</i>	Warsaw	Curryville, MO	Pike County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>halliana</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Polypora</i>	<i>halliana</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Polypora</i>	<i>halliana</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Polypora</i>	<i>halliana</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Polypora</i>	<i>halliana</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>imbricata</i>	Chester		Illinois Basin
<i>Polypora</i>	<i>impressa</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Polypora</i>	<i>impressa</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Polypora</i>	<i>impressa</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Polypora</i>	<i>impressa</i>	Waverly	Lodi, OH	Medina County, OH
<i>Polypora</i>	<i>impressa</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Polypora</i>	<i>impressa</i>	Waverly	Newark, OH	Licking County, OH
<i>Polypora</i>	<i>impressa</i>	Waverly	Richfield, OH	Summit County, OH
<i>Polypora</i>	<i>impressa</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Polypora</i>	<i>inornata</i>	Carboniferous- Early		Mongolia
<i>Polypora</i>	<i>jucunda</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>kassini</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Polypora</i>	<i>kassini</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Polypora</i>	<i>kiniensis</i>	Lower Carboniferous		Turkestan
<i>Polypora</i>	<i>kiniensis kaindiensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>kolvae</i>	Lower Carboniferous- grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Polypora</i>	<i>krutikhensis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>krutikhensis</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>krutikhensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>kusedeevensis</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>maccoyana</i>	Carboniferous- Early		Mongolia
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Polypora</i>	<i>maccoyana</i>	Keokuk	Warsaw, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>maccoyana</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Polypora</i>	<i>maccoyana</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Polypora</i>	<i>maccoyana</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Polypora</i>	<i>maccoyana</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Polypora</i>	<i>maccoyana ulbensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Polypora</i>	<i>maccoyana ulbensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Polypora</i>	<i>maccoyaniformis</i>	Lower Carboniferous		Turkestan
<i>Polypora</i>	<i>maccoyaniformis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Polypora</i>	<i>maccoyaniformis</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>maccoyaniformis irregularicella</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Polypora</i>	<i>micronodosa</i>	Humbug ftn	Utah County, UT	Utah County, UT

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>multispinosa</i>	Chester		Illinois Basin
<i>Polypora</i>	<i>multispinosa</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Polypora</i>	<i>multispinosa</i>	Chester- Glen Dean	Eckerty, IN	Crawford County, IN
<i>Polypora</i>	<i>multispinosa</i>	Chester- Glen Dean	Leopold, IN	Perry County, IN
<i>Polypora</i>	<i>nanshanensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Polypora</i>	<i>nanshanensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Polypora</i>	<i>nodolinaris</i>	Chester		Illinois Basin
<i>Polypora</i>	<i>nodolinaris</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Polypora</i>	<i>nodolinaris</i>	Chester- Glen Dean	Leopold, IN	Perry County, IN
<i>Polypora</i>	<i>obscura</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>ordinata</i>	Carboniferous- Early		Mongolia
<i>Polypora</i>	<i>ovicellata</i>	Chester	Carter County, OK	Carter County, OK
<i>Polypora</i>	<i>paucula</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>polita</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Polypora</i>	<i>polita</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Polypora</i>	<i>polyclada</i>	Lower Carboniferous- Hikoroichi Is		Morioka Province, Japan
<i>Polypora</i>	<i>pseudospininodata</i>	Carboniferous- Early		Mongolia
<i>Polypora</i>	<i>radialis</i>	Carboniferous- Early		Mongolia
<i>Polypora</i>	<i>radialis</i>	Keokuk	Appanoosa, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>radialis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Polypora</i>	<i>radialis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Polypora</i>	<i>radialis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Polypora</i>	<i>radialis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Polypora</i>	<i>radialis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Polypora</i>	<i>radialis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Polypora</i>	<i>radialis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Polypora</i>	<i>radialis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Polypora</i>	<i>radialis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Polypora</i>	<i>radialis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Polypora</i>	<i>radialis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Polypora</i>	<i>radialis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>radialis</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Polypora</i>	<i>radialis</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Polypora</i>	<i>radialis</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Polypora</i>	<i>radialis</i>	Waverly	Lodi, OH	Medina County, OH
<i>Polypora</i>	<i>radialis</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Polypora</i>	<i>radialis</i>	Waverly	Newark, OH	Licking County, OH
<i>Polypora</i>	<i>radialis</i>	Waverly	Richfield, OH	Summit County, OH
<i>Polypora</i>	<i>radialis</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Polypora</i>	<i>retrorsa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>retrosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Polypora</i>	<i>sibirica</i>	Carboniferous- Early		Mongolia
<i>Polypora</i>	<i>sibirica</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Polypora</i>	<i>sibirica</i>	Lower Carboniferous		Turkestan
<i>Polypora</i>	<i>sibirica</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Polypora</i>	<i>sibirica</i>	Lower Carboniferous- Stesevsky Horizon		Russian Platform
<i>Polypora</i>	<i>sibirica</i>	Visean	podmoskovnii	Russian Platform
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Henderson County, IL	Henderson County, IL
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Nauvoo, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>simmulatrix</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Polypora</i>	<i>simulatrix</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>simulatrix</i>	Lower Carboniferous		Turkestan
<i>Polypora</i>	<i>simulatrix</i>	Warsaw		Hardin County, IL
<i>Polypora</i>	<i>sinospininodata</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Polypora</i>	<i>sinospininodata</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Polypora</i>	<i>spininodata</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Polypora</i>	<i>spininodata</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Polypora</i>	<i>spininodata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Oblast, Russia
<i>Polypora</i>	<i>spininodata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>spininodata</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>spininodata</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>spininodata</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>spinodata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>spinulifera</i>	Chester	Anna, IL	Union County, IL
<i>Polypora</i>	<i>spinulifera</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Polypora</i>	<i>spinulifera</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Chester, IL	Randolf County, IL
<i>Polypora</i>	<i>spinulifera</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Huntsville, AL	Madison County, AL
<i>Polypora</i>	<i>spinulifera</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Polypora</i>	<i>spinulifera</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Meade County, KY	Meade County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Monroe County, IL	Monroe County, IL
<i>Polypora</i>	<i>spinulifera</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Polypora</i>	<i>spinulifera</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Redbud, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>spinulifera</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Polypora</i>	<i>spinulifera</i>	Chester	Ruma, IL	Randolf County, IL
<i>Polypora</i>	<i>spinulifera</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Smithland, KY	Livingston County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Polypora</i>	<i>spinulifera</i>	Chester		Illinois Basin
<i>Polypora</i>	<i>spinulifera</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Polypora</i>	<i>spinulifera</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Polypora</i>	<i>spinulifera</i>	Lower Carboniferous		Turkestan
<i>Polypora</i>	<i>stansburyensis</i>	Humbug ftn	Tooele County, UT	Tooele County, UT
<i>Polypora</i>	<i>stenostoma</i>	Tournasian		Fermanagh County
<i>Polypora</i>	<i>stenostoma</i>	Visean		Fermanagh County
<i>Polypora</i>	<i>subtilis</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Polypora</i>	<i>sulcifera</i>	Lower Carboniferous	Malmoe Parish	QLD, AU
<i>Polypora</i>	<i>tienzhuensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Polypora</i>	<i>tienzhuensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Polypora</i>	<i>tienzhuensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>tuberculata</i>	Chester	Anna, IL	Union County, IL
<i>Polypora</i>	<i>tuberculata</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Polypora</i>	<i>tuberculata</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Chester, IL	Randolf County, IL
<i>Polypora</i>	<i>tuberculata</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Huntsville, AL	Madison County, AL
<i>Polypora</i>	<i>tuberculata</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Polypora</i>	<i>tuberculata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Meade County, KY	Meade County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Polypora</i>	<i>tuberculata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Redbud, IL	Randolf County, IL
<i>Polypora</i>	<i>tuberculata</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Polypora</i>	<i>tuberculata</i>	Chester	Ruma, IL	Randolf County, IL
<i>Polypora</i>	<i>tuberculata</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Smithland, KY	Livingston County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Polypora</i>	<i>tuberculata</i>	Chester		Illinois Basin
<i>Polypora</i>	<i>tuberculata</i>	Chester-Glen Dean	Crane, IN	Martin County, IN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>tuberculata</i>	Warsaw	Chester, IL	Randolf County, IL
<i>Polypora</i>	<i>undulata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>undulata</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>undulata</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>undulata macrocellata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>undulata macrocellata</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>undulata macrocellata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>varsoviensis</i>	Lower Carboniferous		Turkestan
<i>Polypora</i>	<i>varsoviensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Polypora</i>	<i>varsoviensis</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Polypora</i>	<i>varsoviensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>varsoviensis</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>varsoviensis</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Polypora</i>	<i>varsoviensis</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Polypora</i>	<i>varsoviensis</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Polypora</i>	<i>varsoviensis</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Polypora</i>	<i>varsoviensis</i>	Warsaw	New Providence, IL	Bureau County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	<i>varsoviensis</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Polypora</i>	<i>varsoviensis</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Polypora</i>	<i>varsoviensis</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Polypora</i>	<i>whitei</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Polypora</i>	<i>whitei</i>	Chester- Pitkin Ls		Independence County, AR
<i>Polypora</i>	<i>whitei</i>	Chester- Pitkin Ls		Madison County, AR
<i>Polypora</i>	<i>whitei</i>	Chester- Pitkin Ls		Newton County, AR
<i>Polypora</i>	<i>whitei</i>	Chester- Pitkin Ls		Searey County, AR
<i>Polypora</i>	<i>whitei</i>	Chester- Pitkin Ls		Stone County, AR
<i>Polypora</i>	<i>whitei</i>	Chester- Pitkin Ls		Washington County, AR
<i>Polypora</i>	xxx	Asbian	Llandudno, North Wales	North Wales
<i>Polypora</i>	xxx	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales
<i>Polypora</i>	xxx	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Polypora</i>	xxx	Chester- Greenbrier		Fayette County, PA
<i>Polypora</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Polypora</i>	xxx	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Polypora</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Polypora</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Polypora</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Polypora</i>	xxx	Chester- Pitkin Ls		Newton County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Polypora</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Polypora</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Polypora</i>	xxx	Chester- Wymys Gap ls	Chalk Hill, Ohio	Fayette County, PA
<i>Polypora</i>	xxx	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Polypora</i>	xxx	Dinantian	Llandudno, North Wales	North Wales
<i>Polypora</i>	xxx	Lower Carboniferous- Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Polypora</i>	xxx	Mooney Falls	Mohave County, AZ	Mohave County, AZ
<i>Polypora</i>	xxx	Mooney Falls	Yavapai County, AZ	Yavapai County, AZ
<i>Polypora</i>	xxx	Ste. Genevieve- Paradise fmtn, 3rd member	Paradise, AZ	Cochise County, AZ
<i>Polypora</i>	xxx	Thunder Springs	Mohave County, AZ	Mohave County, AZ
<i>Polypora</i>	xxx	Thunder Springs	Yavapai County, AZ	Yavapai County, AZ
<i>Polypora</i>	xxx	Tourinasean	Kazakhstan	Kazakhstan
<i>Polypora</i>	xxx	Tourinasean		Central Kazakhstan
<i>Polypora</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Polypora</i>	xxx	Tournasean	Khao Noi, Thailand	Songkhla State, Thailand
<i>Polypora</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Polypora</i>	xxx	Visean- Lower(Hina ls)	60 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Primorella</i>	<i>iranica</i>	Visean	Eastern Alburz Mnts, Iran	Golestan Province, Iran
<i>Primorella</i>	<i>testata</i>	Tournasean- middle	SE Armenia	SE Armenia
<i>Prismopora</i>	<i>nipponica</i>	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Prismopora</i>	<i>serratula</i>	Chester		Illinois Basin
<i>Prismopora</i>	<i>serratula</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Prismopora</i>	<i>serrulata</i>	Chester	Anna, IL	Union County, IL
<i>Prismopora</i>	<i>serrulata</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Prismopora</i>	<i>serrulata</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Chester, IL	Randolf County, IL
<i>Prismopora</i>	<i>serrulata</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Huntsville, AL	Madison County, AL
<i>Prismopora</i>	<i>serrulata</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Prismopora</i>	<i>serrulata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Meade County, KY	Meade County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Prismopora</i>	<i>serrulata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Redbud, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Prismopora</i>	<i>serrulata</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Prismopora</i>	<i>serrulata</i>	Chester	Ruma, IL	Randolf County, IL
<i>Prismopora</i>	<i>serrulata</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Smithland, KY	Livingston County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Prismopora</i>	<i>serrulata</i>	Chester- Glen Dean		Crawford County, IN
<i>Prismopora</i>	<i>serrulata</i>	Chester- Glen Dean		Grayson County, KY
<i>Prismopora</i>	<i>trifolia</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Prismopora</i>	<i>trifolia</i>	Keokuk	LaGrange, MO	Clark County, MO
<i>Prismopora</i>	<i>trifolia</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Prismopora</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Prismopora</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Prismopora</i>	xxx	Chester- Wympts Gap ls	Chalk Hill, Ohio	Fayette County, PA
<i>Prismopora</i>	xxx	Chester- Wympts Gap ls	Fayette County, PA	Fayette County, PA
<i>Prismopora</i>	xxx	Visean		Armaugh County
<i>Protoretepora</i>	xxx	Chester- Wympts Gap ls	Fayette County, PA	Fayette County, PA
<i>Protoretepora</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Appanoosa, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Celina, TN	Clay County, TN
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Hamilton, IL	Hancock County, IL
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Proutella</i>	<i>discoidea</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Proutella</i>	<i>discoidea</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Pseudobatostmella</i>	<i>akagoensis</i>	Lower Carboniferous		Yamaguchi Prefecture, Honshu, Japan
<i>Pseudobatostmella</i>	<i>akagoensis</i>	Lower Carboniferous-Izuto Is		Yamaguchi Prefecture, Honshu, Japan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Pseudobatostmella</i>	<i>granulosa</i>	Lower Carboniferous-Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Pseudobatostmella</i>	xxx	Visean- Lower(Hina ls)	53 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Pseudobatostmella</i>	xxx	Visean-(Lower) Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Pseudobatostomella</i>	<i>chaidamuensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Pseudobatostomella</i>	<i>chaidamuensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Pseudobatostomella</i>	<i>granulosa</i>	Lower Carboniferous-Uzura		Pahang, Malaysia
<i>Pseudobatostomella</i>	<i>sinica</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Pseudobatostomella</i>	<i>sinica</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Pseudohornera</i>	<i>ossipovae</i>	Visean	podmoskovnii	Russian Platform
<i>Pseudonematopora</i>	<i>peregrina</i>	Tournasean		Altai Kraj, Russia
<i>Pseudonematopora</i>	<i>petchorensis</i>	Visean		Komi Republic, Russia
<i>Pseudonematopora</i>	<i>planatus</i>	Asbian- Glencar ls		Fermanagh County
<i>Pseudonematopora</i>	<i>turkestanica</i>	Tournasean		Altai Kraj, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Pseudonematopora</i>	xxx	Visean		Altai Kraj, Russia
<i>Pseudonematopora</i>	xxx	Visean		Nenets Autonomous Okrug, Russia
<i>Pseudounitrypa</i>	<i>kondomensis</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Pseudounitrypa</i>	<i>sibirica</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Pseudounitrypa</i>	<i>sibirica minor</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Ptilofenestella</i>	<i>carrickensis</i>	Lower Carboniferous		Fermanagh County
<i>Ptilopora</i>	<i>acuta</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Ptilopora</i>	<i>acuta</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Ptilopora</i>	<i>acuta</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Ptilopora</i>	<i>acuta</i>	Burlington	Quincy, IL	Adams County, IL
<i>Ptilopora</i>	<i>acuta</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Lagrange, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Ptilopora</i>	<i>acuta</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Ptilopora</i>	<i>acuta</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Ptilopora</i>	<i>cylindracea</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Ptilopora</i>	<i>dentata</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Ptilopora</i>	<i>konincki</i>	Lower Carboniferous	Glen William	NSW, AU
<i>Ptilopora</i>	<i>konincki</i>	Lower Carboniferous	Rouchel Brook	NSW, AU

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Ptilopora</i>	<i>konincki</i>	Tournasean-Bingleburra	Lewinsbrook, NSW	NSW, AU
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Ptilopora</i>	<i>paupera</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Ptilopora</i>	<i>paupera</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Ptilopora</i>	<i>paupera</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Ptilopora</i>	<i>paupera</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Ptilopora</i>	<i>paupera</i>	Waverly	Lodi, OH	Medina County, OH
<i>Ptilopora</i>	<i>paupera</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Ptilopora</i>	<i>paupera</i>	Waverly	Newark, OH	Licking County, OH
<i>Ptilopora</i>	<i>paupera</i>	Waverly	Richfield, OH	Summit County, OH
<i>Ptilopora</i>	<i>paupera</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Ptilopora</i>	<i>prouti</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Ptilopora</i>	<i>prouti</i>	Warsaw	Columbia, IL	Monroe County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Ptilopora</i>	<i>prouti</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Ptilopora</i>	<i>prouti</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Ptilopora</i>	<i>prouti</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Ptilopora</i>	<i>prouti</i>	Warsaw	New Providence, IN	Clark County, IN
<i>Ptilopora</i>	<i>prouti</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Ptilopora</i>	<i>prouti</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Ptilopora</i>	<i>prouti</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Jersey County, IL	Jersey County, IL
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Ptilopora</i>	<i>valida</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Ptilopora</i>	<i>valida</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Ptilopora</i>	<i>valida</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Ptilopora</i>	xxx	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Ptilopora</i>	xxx	Lower Carboniferous		Turkestan
<i>Ptilopora</i>	xxx	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Ptilopora</i>	xxx	Lower Carboniferous- grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Ptilopora</i>	xxx	Mooney Falls	Mohave County, AZ	Mohave County, AZ
<i>Ptilopora</i>	xxx	Thunder Springs	Mohave County, AZ	Mohave County, AZ
<i>Ptiloporella</i>	<i>inequalis</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Ptiloporella</i>	<i>varia</i>	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Ptiloporella</i>	<i>varia</i>	Burlington-Chouteau Group	Cooper County, MO	Cooper County, MO
<i>Ptiloporella</i>	<i>varia</i>	Burlington-Chouteau Group	Pettis County, MO	Pettis County, MO
<i>Ptiloporella</i>	<i>varicosa</i>	Warsaw- Ullin ls	Ullin, IL	Pulaski County, IL
<i>Ptylopora</i>	<i>condrai</i>	Deseret ls	Utah County, UT	Utah County, UT
<i>Ptylopora</i>	<i>eliasi</i>	Humbug ftn	Tooele County, UT	Tooele County, UT
<i>Ptylopora</i>	<i>pluma</i>	Asbian- Apron reef ls		Derbyshire, Eng
<i>Ptylopora</i>	<i>pluma</i>	Brigantian		Clwyd
<i>Ptylopora</i>	<i>pluma</i>	Brigantian		East Kilbride, Scotland
<i>Ptylopora</i>	<i>pluma</i>	Brigantian		North Yorkshire
<i>Ptylopora</i>	<i>pluma</i>	Brigantian- Hadrow Shales		North Yorkshire

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Ptylopora</i>	<i>pluma</i>	Brigantian- Halkyn Mnt		Clwyd
<i>Ptylopora</i>	<i>pluma</i>	Chadian		Kildare County
<i>Ptylopora</i>	<i>pluma</i>	Courceyan	Hook Head Penn	Dublin County
<i>Ptylopora</i>	<i>pluma</i>	Courceyan	Hook Head Penn	Wexford County
<i>Ptylopora</i>	<i>pluma</i>	Courceyan- Hook Hand Is		Wexford County
<i>Ptylopora</i>	<i>pluma</i>	Dinantian		Dublin County
<i>Ptylopora</i>	<i>pluma</i>	Dinantian		Kildare County
<i>Ptylopora</i>	<i>pluma</i>	Dinantian		Wexford County
<i>Ptylopora</i>	<i>problema</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Ptylopora</i>	<i>problema</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Ptylopora</i>	xxx	Burlington-Chouteau Group	Boone County, MO	Boone County, MO
<i>Ptylopora</i>	xxx	Burlington-Chouteau Group	Cooper County, MO	Cooper County, MO
<i>Ptylopora</i>	xxx	Lower Carboniferous-grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Pycnopora</i>	<i>lianyuanensis</i>	Tzemenchiao fmt	Lianyuan	Hunan, China
<i>Pycnopora</i>	<i>ovatipora</i>	Chester	Carter County, OK	Carter County, OK
<i>Qilianopora</i>	<i>halloporoides</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Qilianopora</i>	<i>halloporoides</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Qilianopora</i>	<i>inversa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Qilianopora</i>	<i>inversa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Qilianopora</i>	<i>membranacea</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Qilianopora</i>	<i>membranacea</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Qilianopora</i>	<i>membranacea</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Qilianopora</i>	<i>pseudoinversa</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Mt. Qilian	Gansu Province, China
<i>Ramipora</i>	<i>variolata cavernosa</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Ramipora</i>	<i>variolata sinensis</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Ramipora</i>	<i>arborescens</i>	Carboniferous?	Pechora Region	Komi Republic, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Ramipora</i>	<i>flexuosa</i>	Lower Carboniferous	Malmoe Parish	QLD, AU
<i>Ramipora</i>	<i>minuta</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Ramipora</i>	<i>variolata</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Ramiporalia</i>	<i>bifurcata</i>	Lower Carboniferous	Glen William	NSW, AU
<i>Ramiporalia</i>	<i>dichotoma</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Ramiporalia</i>	<i>robusta</i>	Namurian	Haute-Garrone Province, France	Haute-Garrone Province, France
<i>Ramiporalia</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Ramiporalia</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Ramiporalia</i>	xxx	Thunder Springs	Mohave County, AZ	Mohave County, AZ
<i>Ramiporella</i>	<i>asimmetrica</i>	Carboniferous?	Pechora Region	Komi Republic, Russia
<i>Ramiporella</i>	xxx	Namurian	Haute-Garrone Province, France	Haute-Garrone Province, France
<i>Rectifenestella</i>	<i>cecikensis</i>	Carboniferous- Early		Mongolia
<i>Rectifenestella</i>	<i>concava</i>	Chester- Otter Fmt	Armington, MT	Cascade County, MT
<i>Rectifenestella</i>	<i>invulgata</i>	Carboniferous- Early		Mongolia
<i>Rectifenestella</i>	<i>langae</i>	Carboniferous- Early		Mongolia
<i>Rectifenestella</i>	<i>macropora</i>	Carboniferous- Early		Mongolia
<i>Rectifenestella</i>	<i>multispinosa</i>	Carboniferous- Early		Mongolia
<i>Rectifenestella</i>	<i>multispinosa</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Rectifenestella</i>	<i>nododorsalis</i>	Carboniferous- Early		Mongolia
<i>Rectifenestella</i>	<i>rudis</i>	Carboniferous- Early		Mongolia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rectifenestella</i>	<i>solitaria</i>	Carboniferous- Early		Mongolia
<i>Rectifenestella</i>	<i>tenax</i>	Keokuk	Celina, TN	Clay County, TN
<i>Rectifenestella</i>	<i>tenax</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Rectifenestella</i>	<i>tenax</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Rectifenestella</i>	<i>tenax</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Rectifenestella</i>	<i>tenax</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Rectifenestella</i>	<i>tenax</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Rectifenestella</i>	<i>tenuissima</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Rectifenestella</i>	<i>texax</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Rectifenestella</i>	xxx	Tourinasian- Hook Head ls	Hook Head Penn	Wexford County
<i>Reteporidra</i>	xxx	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Anna, IL	Union County, IL
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Chester, IL	Randolf County, IL
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Huntsville, AL	Madison County, AL
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Meade County, KY	Meade County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Newtonville, OH	Muskingum County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				OH
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Redbud, IL	Randolf County, IL
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Ruma, IL	Randolf County, IL
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Smithland, KY	Livingston County, KY
<i>Reteporina</i>	<i>flexuosa</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Reteporina</i>	<i>turkestanica</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Reteporina</i>	<i>turkestanica</i>	Lower Carboniferous		Turkestan
<i>Reteporina</i>	<i>turkestanica</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Rhabdomeson</i>	<i>artum</i>	Chester- Chainman Shale	Juab County, Utah	Juab County, UT
<i>Rhabdomeson</i>	<i>artum</i>	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Rhabdomeson</i>	<i>elegans</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Rhabdomeson</i>	<i>elegans</i>	Visean	rysskaja	Russian Platform
<i>Rhabdomeson</i>	<i>elegans</i>	Visean		Volgograd Oblast, Russia
<i>Rhabdomeson</i>	<i>elegans</i>	Visean- Mid	Central Don River, Russia	Volgograd Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhabdomeson</i>	<i>gracile</i>	Lower Carboniferous		Turkestan
<i>Rhabdomeson</i>	<i>gracile</i>	Visean- Lower LS Group	Beith	Ayrshire, Scotland
<i>rhabdomeson</i>	<i>grannosus</i>	Chester		Illinois Basin
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Anna, IL	Union County, IL
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Chester, IL	Randolf County, IL
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Huntsville, AL	Madison County, AL
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Meade County, KY	Meade County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Redbud, IL	Randolf County, IL
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Ruma, IL	Randolf County, IL
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Smithland, KY	Livingston County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>rhabdomeson</i>	<i>granosus</i>	Chester	Union County, IL	Union County, IL
<i>Rhabdomeson</i>	<i>heckeri</i>	Visean	podmoskovnii	Russian Platform
<i>Rhabdomeson</i>	<i>heckeri</i>	Visean		Russian Platform, Russia
<i>Rhabdomeson</i>	<i>parvum</i>	Visean		Russian Platform, Russia
<i>Rhabdomeson</i>	<i>regulare</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Rhabdomeson</i>	<i>regulare</i>	Visean	rysskaja	Russian Platform
<i>Rhabdomeson</i>	<i>regulare</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Rhabdomeson</i>	<i>regulare</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia
<i>Rhabdomeson</i>	<i>regularis</i>	Visean	Rothwaltersdorf in Schlesien	Silesia, Poland
<i>rhabdomeson</i>	<i>rhombicus</i>	Chester		Illinois Basin
<i>rhabdomeson</i>	<i>rhombicus</i>	St. Louis	Monroe County, IL	Monroe County, IL
<i>rhabdomeson</i>	<i>rhombicus</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>rhabdomeson</i>	<i>rhombicus</i>	Warsaw	Curryville, MO	Pike County, MO
<i>rhabdomeson</i>	<i>rhombicus</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>rhabdomeson</i>	<i>rhombicus</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>rhabdomeson</i>	<i>rhombicus</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>rhabdomeson</i>	<i>rhombicus</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>rhabdomeson</i>	<i>rhombicus</i>	Warsaw	Warsaw, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhabdomeson</i>	<i>rhombifera</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Rhabdomeson</i>	<i>rhombiferum</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Rhabdomeson</i>	<i>rhombiferum</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Rhabdomeson</i>	<i>rhombiterum</i>	Asbian- Glencar ls		Fermanagh County
<i>Rhabdomeson</i>	<i>sayramicum</i>	Lower Carboniferous		Turkmenistan
<i>Rhabdomeson</i>	<i>spinosum</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Rhabdomeson</i>	<i>spinosum</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Rhabdomeson</i>	<i>spinosum</i>	Visean		Russian Platform, Russia
<i>Rhabdomeson</i>	<i>spinosum</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Rhabdomeson</i>	xxx	Chester- Bangor ls	Reid Gap, AR	Blount County, AL
<i>Rhabdomeson</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Rhabdomeson</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Rhabdomeson</i>	xxx	Lower Carboniferous	Mundowran	QLD, AU
<i>Rhabdomeson</i>	xxx	Lower Carboniferous- grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhabdomeson</i>	xxx	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Rhabdomeson</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Rhabdomeson</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Rhabdomeson</i>	xxx	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Rhabdomeson</i>	<i>yabei</i>	Lower Carboniferous		Japan
<i>Rhabdomeson</i>	<i>yabei</i>	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Rhombocladia</i>	<i>borissiaki</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Rhombocladia</i>	<i>borrissiaki</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Rhombocladia</i>	<i>borrissiaki</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Rhombocladia</i>	<i>dichotoma</i>	Asbian- Glencar ls		Cavan County
<i>Rhombocladia</i>	<i>dichotoma</i>	Asbian- Glencar ls		Fermanagh County
<i>Rhombocladia</i>	<i>dichotoma</i>	Asbian- Glencar ls		Kildare County
<i>Rhombocladia</i>	<i>dichotoma</i>	Brigantian		Kildare County
<i>Rhombocladia</i>	<i>dichotoma</i>	Brigantian		Tyrone County
<i>Rhombocladia</i>	<i>dichotoma</i>	Chadian		Dublin County
<i>Rhombocladia</i>	<i>dichotoma</i>	Courceyan		Dublin County
<i>Rhombocladia</i>	<i>dichotoma</i>	Dinantian		Dublin County

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombocladia</i>	<i>orientalis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Rhombocladia</i>	<i>septata</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Rhombocladia</i>	<i>septata</i>	Visean	voronezskii	Voronezhskaya Oblast, Russia
<i>Rhombocladia</i>	<i>septata</i>	Visean- Late	Central Don River, Russia	Volgograd Oblast, Russia
<i>Rhombocladia</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Rhombocladia</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Rhombopora</i>	<i>altaica</i>	Tournasean		Altai Kraj, Russia
<i>Rhombopora</i>	<i>altaica</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	St. Francisville, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>angustata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Rhombopora</i>	<i>angustata</i>	Lower Carboniferous		Donets'ka, Ukraine
<i>Rhombopora</i>	<i>angustata</i>	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Rhombopora</i>	<i>armata</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Rhombopora</i>	<i>asperula</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Greene County, IL	Greene County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Rhombopora</i>	<i>attenuata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Rhombopora</i>	<i>attenuata</i>	Tournasean		Kazakhstan
<i>Rhombopora</i>	<i>bedfordensis</i>	Keokuk	Celina, TN	Clay County, TN
<i>Rhombopora</i>	<i>bedfordensis</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Rhombopora</i>	<i>bedfordensis</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Rhombopora</i>	<i>bedfordensis</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Rhombopora</i>	<i>bedfordensis</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Rhombopora</i>	<i>bedfordensis</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Rhombopora</i>	<i>binodata</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>binodata</i>	Visean	Weining	Guizhou Province, China
<i>Rhombopora</i>	<i>binodata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>charasensis</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Rhombopora</i>	<i>crassa</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>crassa</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Monroe County, IL	Monroe County, IL
<i>Rhombopora</i>	<i>decipiens</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Alton, IL	Madison County, IL
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Rhombopora</i>	<i>decipiens</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Rhombopora</i>	<i>dichotoma</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Rhombopora</i>	<i>dichotoma</i>	Burlington	Calhoun County, IL	Calhoun County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>dichotoma</i>	Burlington	Hannibal, MO	Marion County, MO
<i>Rhombopora</i>	<i>dichotoma</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Rhombopora</i>	<i>dichotoma</i>	Burlington	Quincy, IL	Adams County, IL
<i>Rhombopora</i>	<i>dichotoma</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Rhombopora</i>	<i>dichotoma</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Keokuk, IA	Lee County, IA

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Rhombopora</i>	<i>elengantula</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Rhombopora</i>	<i>exigua</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Rhombopora</i>	<i>exigua</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Rhombopora</i>	<i>exigua</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Rhombopora</i>	<i>exigua</i>	Burlington	Quincy, IL	Adams County, IL
<i>Rhombopora</i>	<i>exigua</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Rhombopora</i>	<i>exigua</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Rhombopora</i>	<i>exigua</i>	Lower Carboniferous-Hikoroichi ls		Morioka Province, Japan
<i>Rhombopora</i>	<i>exigua</i>	Tournasean		Kazakhstan
<i>Rhombopora</i>	<i>floriformis</i>	Tournasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>floriformis</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>foerstei</i>	Chester	Carter County, OK	Carter County, OK
<i>Rhombopora</i>	<i>gracilis</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Rhombopora</i>	<i>gracilis</i>	Burlington	Calhoun County, IL	Calhoun County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>gracilis</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Rhombopora</i>	<i>gracilis</i>	Burlington	Quincy, IL	Adams County, IL
<i>Rhombopora</i>	<i>gracilis</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Rhombopora</i>	<i>hexagona</i>	Asbian- Glencar ls		Fermanagh County
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Louisville, KY	Grayson County, KY
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Rhombopora</i>	<i>incrassata</i>	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Rhombopora</i>	<i>incrassata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>incrassata</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Rhombopora</i>	<i>incrassata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>incrassata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Rhombopora</i>	<i>incrassata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Rhombopora</i>	<i>incrassata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Rhombopora</i>	<i>incrassata</i>	Waverly	Newark, OH	Licking County, OH
<i>Rhombopora</i>	<i>incrassata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Rhombopora</i>	<i>incrassata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Rhombopora</i>	<i>insinuata</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>insinuata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>lepidodendroidea</i>	Lower Carboniferous		Donets'ka, Ukraine
<i>Rhombopora</i>	<i>lepidodendroidea</i>	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Rhombopora</i>	<i>lepidodendroides</i>	Chester- Wymps Gap ls	Fayette County, PA	Fayette County, PA
<i>Rhombopora</i>	<i>millepuncta</i>	Chester		Illinois Basin
<i>Rhombopora</i>	<i>millepuncta- recta</i>	Chester		Illinois Basin
<i>Rhombopora</i>	<i>minor</i>	Chester	Anna, IL	Union County, IL
<i>Rhombopora</i>	<i>minor</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Rhombopora</i>	<i>minor</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester	Chester, IL	Randolf County, IL
<i>Rhombopora</i>	<i>minor</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester	Huntsville, AL	Madison County, AL
<i>Rhombopora</i>	<i>minor</i>	Chester	Jackson County, KY	Jackson County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>minor</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Rhombopora</i>	<i>minor</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester	Meade County, KY	Meade County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Rhombopora</i>	<i>minor</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester	Redbud, IL	Randolf County, IL
<i>Rhombopora</i>	<i>minor</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Rhombopora</i>	<i>minor</i>	Chester	Ruma, IL	Randolf County, IL
<i>Rhombopora</i>	<i>minor</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester	Smithland, KY	Livingston County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Rhombopora</i>	<i>minor</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Rhombopora</i>	<i>minor</i>	Lower Carboniferous		Donets'ka, Ukraine
<i>Rhombopora</i>	<i>minor</i>	Lower Carboniferous		Poltavs'ka, Ukraine
<i>Rhombopora</i>	<i>murthyi</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Rhombopora</i>	<i>noviata</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>novitia</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>ohioensis</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Rhombopora</i>	<i>ohioensis</i>	Waverly	Cuyahoga County,	Cuyahoga County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			OH	OH
<i>Rhombopora</i>	<i>ohioensis</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Rhombopora</i>	<i>ohioensis</i>	Waverly	Lodi, OH	Medina County, OH
<i>Rhombopora</i>	<i>ohioensis</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Rhombopora</i>	<i>ohioensis</i>	Waverly	Newark, OH	Licking County, OH
<i>Rhombopora</i>	<i>ohioensis</i>	Waverly	Richfield, OH	Summit County, OH
<i>Rhombopora</i>	<i>ohioensis</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Rhombopora</i>	<i>ornata</i>	Visean	doneckni	Rostov Oblast, Russia
<i>Rhombopora</i>	<i>ovalis</i>	Lower Carboniferous		Volgograd Oblast, Russia
<i>Rhombopora</i>	<i>perpara</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>perpera</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Anna, IL	Union County, IL
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Chester, IL	Randolf County, IL
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Huntsville, AL	Madison County, AL
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Livingston County, KY	Livingston County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Meade County, KY	Meade County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Smithland, KY	Livingston County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Rhombopora</i>	<i>persimilis</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Rhombopora</i>	<i>pseudonovitia</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Rhombopora</i>	<i>pseudonovitia</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Rhombopora</i>	<i>pseudonovitia</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Rhombopora</i>	<i>pseudonovitia</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Rhombopora</i>	<i>pseudonovitia</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Anna, IL	Union County, IL
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Chester, IL	Randolf County, IL
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Huntsville, AL	Madison County, AL
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Meade County, KY	Meade County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Redbud, IL	Randolf County, IL
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Ruma, IL	Randolf County, IL
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Smithland, KY	Livingston County, KY
<i>Rhombopora</i>	<i>pulchella</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Rhombopora</i>	<i>radialis</i>	Lower Carboniferous	Treak Cliff	Derbyshire, Eng

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>rogersi</i>	Chester	Carter County, OK	Carter County, OK
<i>Rhombopora</i>	<i>saffordotaxiformis</i>	Liuiatang fmt	Shaodong	Hunan, China
<i>Rhombopora</i>	<i>sarcimulata</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>sarcinulata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>sarcinulata</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>simplex</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Rhombopora</i>	<i>simplex</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Rhombopora</i>	<i>simplex</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Rhombopora</i>	<i>simplex</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Rhombopora</i>	<i>simplex</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>simplex</i>	Tournasean		Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>simplex</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Rhombopora</i>	<i>simplex</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Alton, IL	Madison County, IL
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Monroe County, IL	Monroe County, IL
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Rhombopora</i>	<i>simulatrix</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Rhombopora</i>	<i>spiralis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Rhombopora</i>	<i>tabulata</i>	Chester	Chester, IL	Randolf County, IL
<i>Rhombopora</i>	<i>tabulata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Rhombopora</i>	<i>tabulata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>tabulata</i>	Chester	St. Genevieve, MO	St. Lane County, MO
<i>Rhombopora</i>	<i>tabulata</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Rhombopora</i>	<i>tenuirama</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Rhombopora</i>	<i>tenuirama</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>tenuirama</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Rhombopora</i>	<i>tenuirama</i>	Ste. Genevieve- Paradise fmt, 3rd member	Paradise, AZ	Cochise County, AZ
<i>Rhombopora</i>	<i>tersiensis</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Lagrange, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Rhombopora</i>	<i>transversalis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Rhombopora</i>	<i>ulrichi</i>	Chester	Carter County, OK	Carter County, OK
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>varians</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Rhombopora</i>	<i>varians</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Rhombopora</i>	<i>variaxis</i>	Visean	podmoskovnii	Russian Platform
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Alton, IL	Madison County, IL
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Crittenden County,	Crittenden County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			KY	KY
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Rhombopora</i>	<i>worthemi</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Rhombopora</i>	<i>wortheni</i>	St. Louis- Paradise fmt	Paradise, AZ	Cochise County, AZ
<i>Rhombopora</i>	<i>wortheni</i>	Ste. Genevieve- Paradise fmt, 3rd member	Paradise, AZ	Cochise County, AZ
<i>Rhombopora</i>	xxx	Asbian	Llandudno, North Wales	North Wales
<i>Rhombopora</i>	xxx	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales
<i>Rhombopora</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Rhombopora</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Rhombopora</i>	xxx	Chester- Greenbrier		Fayette County, PA
<i>Rhombopora</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Rhombopora</i>	xxx	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Rhombopora</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Rhombopora</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Rhombopora</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Rhombopora</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Rhombopora</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Rhombopora</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Rhombopora</i>	xxx	Chester- Wymps Gap ls	Chalk Hill, Ohio	Fayette County, PA
<i>Rhombopora</i>	xxx	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Rhombopora</i>	xxx	Dinantian	Llandudno, North Wales	North Wales
<i>Rhombopora</i>	xxx	Lower Carboniferous	Treak Cliff	Derbyshire, Eng
<i>Rhombopora</i>	xxx	Lower Carboniferous		Yamaguchi Prefecture, Honshu, Japan
<i>Rhombopora</i>	xxx	Lower Carboniferous-Hikoroichi ls		Morioka Province, Japan
<i>Rhombopora</i>	xxx	Lower Carboniferous-Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Rhombopora</i>	xxx	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Rhombopora</i>	xxx	Mooney Falls	Mohave County, AZ	Mohave County, AZ
<i>Rhombopora</i>	xxx	Thunder Springs	Mohave County, AZ	Mohave County, AZ
<i>Rhombopora</i>	xxx	Thunder Springs	Yavapai County, AZ	Yavapai County, AZ
<i>Rhombopora</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Rhombopora</i>	xxx	Warsaw		Hardin County, IL
<i>Rhombotrypella</i>	<i>rutogensis</i>	Lower Carboniferous-upper		Baxoi County, Tibet
<i>Rhombotrypella</i>	<i>rutogensis</i>	Lower Carboniferous-upper		Markan County, Tibet
<i>Rhombotrypella</i>	<i>rutogensis</i>	Lower Carboniferous-upper		Rutog County, Tibet
<i>Rhombotrypella</i>	<i>rutogensis</i>	Lower Carboniferous-upper		Zogang County, Tibet
<i>Ropalonaria</i>	<i>keokukensis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Saffordotaxis</i>	<i>angustata</i>	Keokuk	Celina, TN	Clay County, TN
<i>Saffordotaxis</i>	<i>angustata</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Saffordotaxis</i>	<i>angustata</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Saffordotaxis</i>	<i>angustata</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Saffordotaxis</i>	<i>angustata</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Saffordotaxis</i>	<i>angustata</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Saffordotaxis</i>	<i>implicata</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Saffordotaxis</i>	<i>improvidus</i>	Visean		Kara Tau, Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Saffordotaxis</i>	<i>incrassata</i>	Keokuk	Celina, TN	Clay County, TN
<i>Saffordotaxis</i>	<i>incrassata</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Saffordotaxis</i>	<i>incrassata</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Saffordotaxis</i>	<i>incrassata</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Saffordotaxis</i>	<i>incrassata</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Saffordotaxis</i>	<i>incrassata</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Saffordotaxis</i>	<i>incrossata magniporata</i>	Lower Carboniferous		Xianza, Tibet
<i>Saffordotaxis</i>	<i>ohioensis</i>	Keokuk	Celina, TN	Clay County, TN
<i>Saffordotaxis</i>	<i>ohioensis</i>	Keokuk	Clay County, TN	Clay County, TN
<i>Saffordotaxis</i>	<i>ohioensis</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Saffordotaxis</i>	<i>ohioensis</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Saffordotaxis</i>	<i>ohioensis</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Saffordotaxis</i>	<i>ohioensis</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Saffordotaxis</i>	<i>retrusus</i>	Visean		Kazakhstan
<i>Saffordotaxis</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Saffordotaxis</i>	xxx	Visean- Lower(Hina ls)	57 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Saffordotaxis</i>	<i>yanagidae</i>	Lower Carboniferous-Uzura		Pahang, Malaysia
<i>Saffordotaxis</i>	xxx	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Semicoscinium</i>	<i>glabicus</i>	Tourinasean		Central Kazakhstan
<i>Semicoscinium</i>	<i>glabrum</i>	Tourinasean	Kazakhstan	Kazakhstan
<i>Semicoscinium</i>	<i>ovicellatum</i>	Tourinasean	Kazakhstan	Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Semicoscinium</i>	<i>ovicellatum</i>	Tourinasean		Central Kazakhstan
<i>Septopora</i>	<i>biserialis</i>	Lower Carboniferous		Turkestan
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Anna, IL	Union County, IL
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Chester, IL	Randolf County, IL
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Huntsville, AL	Madison County, AL
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Meade County, KY	Meade County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Redbud, IL	Randolf County, IL
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Ruma, IL	Randolf County, IL
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Smithland, KY	Livingston County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Septopora</i>	<i>biserialis-nervata</i>	Lower Carboniferous		Turkestan
<i>Septopora</i>	<i>burulica</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Septopora</i>	<i>burulica</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Septopora</i>	<i>carbonaria</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Septopora</i>	<i>cestdiensis</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Septopora</i>	<i>cestdiensis</i>	Chester- Pitkin Ls		Independence County, AR
<i>Septopora</i>	<i>cestdiensis</i>	Chester- Pitkin Ls		Madison County, AR

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Septopora</i>	<i>cestdiensis</i>	Chester- Pitkin Ls		Newton County, AR
<i>Septopora</i>	<i>cestdiensis</i>	Chester- Pitkin Ls		Searey County, AR
<i>Septopora</i>	<i>cestdiensis</i>	Chester- Pitkin Ls		Stone County, AR
<i>Septopora</i>	<i>cestdiensis</i>	Chester- Pitkin Ls		Washington County, AR
<i>Septopora</i>	<i>cestriensis</i>	Chester	Anna, IL	Union County, IL
<i>Septopora</i>	<i>cestriensis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Septopora</i>	<i>cestriensis</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Chester, IL	Randolf County, IL
<i>Septopora</i>	<i>cestriensis</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Huntsville, AL	Madison County, AL
<i>Septopora</i>	<i>cestriensis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Septopora</i>	<i>cestriensis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Meade County, KY	Meade County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Septopora</i>	<i>cestriensis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Septopora</i>	<i>cestriensis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Septopora</i>	<i>cestriensis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Septopora</i>	<i>cestriensis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Smithland, KY	Livingston County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				KY
<i>Septopora</i>	<i>cestriensis</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Septopora</i>	<i>cestriensis</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Septopora</i>	<i>cestriensis</i>	Chester- Glen Dean	Eckerty, IN	Crawford County, IN
<i>Septopora</i>	<i>cestriensis</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Septopora</i>	<i>cestriensis</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Septopora</i>	<i>cestriensis</i>	Chester- Wymys Gap ls	Fayette County, PA	Fayette County, PA
<i>Septopora</i>	<i>cestriensis</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Septopora</i>	<i>cestriensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Septopora</i>	<i>cestriensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Septopora</i>	<i>cestriensis</i>	Lower Carboniferous		Turkestan
<i>Septopora</i>	<i>cestriensis</i>	Visean	podmoskovnii	Russian Platform
<i>Septopora</i>	<i>cestriensis</i>	Warsaw	Chester, IL	Randolf County, IL
<i>Septopora</i>	<i>decipiens</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Anna, IL	Union County, IL
<i>Septopora</i>	<i>decipiens</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Septopora</i>	<i>decipiens</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Chester, IL	Randolf County, IL
<i>Septopora</i>	<i>decipiens</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Grayson Springs, KY	Grayson County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Septopora</i>	<i>decipiens</i>	Chester	Huntsville, AL	Madison County, AL
<i>Septopora</i>	<i>decipiens</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Septopora</i>	<i>decipiens</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Meade County, KY	Meade County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Septopora</i>	<i>decipiens</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Redbud, IL	Randolf County, IL
<i>Septopora</i>	<i>decipiens</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Septopora</i>	<i>decipiens</i>	Chester	Ruma, IL	Randolf County, IL
<i>Septopora</i>	<i>decipiens</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Smithland, KY	Livingston County, KY
<i>Septopora</i>	<i>decipiens</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Septopora</i>	<i>decipiens-paradisensis</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Septopora</i>	<i>decipiens-paradisensis</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Septopora</i>	<i>dobsinensis</i>	Lower Carboniferous-grey arenaceous schists	Dobsina, Slovakia	Kosice Region, Slovakia
<i>Septopora</i>	<i>ekybastusica</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Septopora</i>	<i>engeli</i>	Namurian- Late	Patagonia	Chubut Province, Argentina
<i>Septopora</i>	<i>freytesi</i>	Namurian- Late	Patagonia	Chubut Province, Argentina
<i>Septopora</i>	<i>gracilis</i>	Chester- Harvey ls	Sulphur, IN	Crawford County, IN
<i>Septopora</i>	<i>magna</i>	Namurian	Haute-Garrone Province, France	Haute-Garrone Province, France
<i>Septopora</i>	<i>mikhaylovensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Septopora</i>	<i>mikhaylovensis</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Septopora</i>	<i>mikhaylovensis</i>	Visean	podmoskovnii	Russian Platform
<i>Septopora</i>	<i>minuta</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Septopora</i>	<i>paralella</i>	Visean	Don Basin	Rostov Oblast, Russia
<i>Septopora</i>	<i>paralella</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia
<i>Septopora</i>	<i>parallela</i>	Visean	srednii	Severnaya Zemlya Archipeligo, Russia
<i>Septopora</i>	<i>pinnata</i>	Chester	Carter County, OK	Carter County, OK
<i>Septopora</i>	<i>protvensis</i>	Visean	podmoskovnii	Russian Platform
<i>Septopora</i>	<i>pustulosa</i>	Namurian- Late	Patagonia	Chubut Province, Argentina
<i>Septopora</i>	<i>rectistyla</i>	Chester	Anna, IL	Union County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Septopora</i>	<i>rectistyla</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Septopora</i>	<i>rectistyla</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Chester, IL	Randolf County, IL
<i>Septopora</i>	<i>rectistyla</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Huntsville, AL	Madison County, AL
<i>Septopora</i>	<i>rectistyla</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Septopora</i>	<i>rectistyla</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Meade County, KY	Meade County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Septopora</i>	<i>rectistyla</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Redbud, IL	Randolf County, IL
<i>Septopora</i>	<i>rectistyla</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Septopora</i>	<i>rectistyla</i>	Chester	Ruma, IL	Randolf County, IL
<i>Septopora</i>	<i>rectistyla</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Smithland, KY	Livingston County, KY
<i>Septopora</i>	<i>rectistyla</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Anna, IL	Union County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Chester, IL	Randolf County, IL
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Huntsville, AL	Madison County, AL
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Meade County, KY	Meade County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Redbud, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Ruma, IL	Randolf County, IL
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Smithland, KY	Livingston County, KY
<i>Septopora</i>	<i>robusta-intermedia</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Septopora</i>	<i>septatopora</i>	Namurian- Late	Patagonia	Chubut Province, Argentina
<i>Septopora</i>	<i>subquadrans</i>	Chester	Anna, IL	Union County, IL
<i>Septopora</i>	<i>subquadrans</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Septopora</i>	<i>subquadrans</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Chester, IL	Randolf County, IL
<i>Septopora</i>	<i>subquadrans</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Huntsville, AL	Madison County, AL
<i>Septopora</i>	<i>subquadrans</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Septopora</i>	<i>subquadrans</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Meade County, KY	Meade County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Newtonville, OH	Muskingum County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Septopora</i>	<i>subquadrans</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Redbud, IL	Randolf County, IL
<i>Septopora</i>	<i>subquadrans</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Septopora</i>	<i>subquadrans</i>	Chester	Ruma, IL	Randolf County, IL
<i>Septopora</i>	<i>subquadrans</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Smithland, KY	Livingston County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Septopora</i>	<i>subquadrans</i>	Chester- Glen Dean	Brachville, IN	Perry County, IN
<i>Septopora</i>	<i>subquadrans</i>	Chester- Glen Dean	Eckerty, IN	Crawford County, IN
<i>Septopora</i>	<i>subquadrans</i>	Chester- Glen Dean	Leopold, IN	Perry County, IN
<i>Septopora</i>	<i>subquadrans</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Septopora</i>	<i>subquadrans</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Septopora</i>	<i>subquadrans</i>	Chester- Pitkin Ls		Independence County, AR
<i>Septopora</i>	<i>subquadrans</i>	Chester- Pitkin Ls		Madison County, AR
<i>Septopora</i>	<i>subquadrans</i>	Chester- Pitkin Ls		Newton County, AR
<i>Septopora</i>	<i>subquadrans</i>	Chester- Pitkin Ls		Searey County, AR
<i>Septopora</i>	<i>subquadrans</i>	Chester- Pitkin Ls		Stone County, AR
<i>Septopora</i>	<i>subquadrans</i>	Chester- Pitkin Ls		Washington County, AR
<i>Septopora</i>	<i>subquadrans</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Septopora</i>	<i>ulrichi</i>	Great Blue ls	Tooele County, UT	Tooele County, UT

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Septopora</i>	<i>waberi</i>	Lower Carboniferous-Uzura		Pahang, Malaysia
<i>Septopora</i>	<i>weberi</i>	Lower Carboniferous		Turkestan
<i>Septopora</i>	<i>weberi</i>	Visean	podmoskovnii	Russian Platform
<i>Septopora</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Septopora</i>	xxx	Chester- Otter Fmt	Armington, MT	Cascade County, MT
<i>Septopora</i>	xxx	Chester- Wymys Gap ls	Chalk Hill, Ohio	Fayette County, PA
<i>Septopora</i>	xxx	Humboldt ftn	Utah County, UT	Utah County, UT
<i>Septopora</i>	xxx	Lower Carboniferous		Turkestan
<i>Septopora</i>	xxx	St. Genevieve		Hardin County, IL
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Anna, IL	Union County, IL
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Chester, IL	Randolf County, IL
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Huntsville, AL	Madison County, AL
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Meade County, KY	Meade County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Redbud, IL	Randolf County, IL
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Ruma, IL	Randolf County, IL
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Smithland, KY	Livingston County, KY
<i>Sphragiopora</i>	<i>parasitica</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Spinofenestella</i>	<i>triangularis</i>	Carboniferous- Early		Mongolia
<i>Spinofenestella</i>	<i>undulata</i>	Tourinasean	Kazakhstan	Kazakhstan
<i>Spinofenestella</i>	<i>undulata</i>	Tourinasean		Central Kazakhstan
<i>Stenocladia</i>	<i>bassleri</i>	Chester	Carter County, OK	Carter County, OK
<i>Stenodiscus</i>	<i>obliquus</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Stenodiscus</i>	<i>redesdalensis</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Stenodiscus</i>	<i>spinulosus</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Stenodiscus</i>	<i>stanwellensis</i>	Lower Carboniferous	Rockhampton	QLD, AU
<i>Stenodiscus</i>	<i>tumida</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Stenodiscus</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Japan
<i>Stenophargmidium</i>	<i>cumulospinosum</i>	Tzemenchiao fmt	Xiangxiang	Hunan, China
<i>Stenophargmidium</i>	<i>multispinosum</i>	Tzemenchiao fmt	Xiangxiang	Hunan, China
<i>Stenophargmidium</i>	<i>pleniramosum</i>	Shihtengtze fmt	Lianyuan	Hunan, China
<i>Stenophargmidium</i>	<i>unispiniporus</i>	Tzemenchiao fmt	Xiangxiang	Hunan, China
<i>Stenophragmidium</i>	<i>ashfellensis</i>	Arundian		Cumbria, Eng
<i>Stenophragmidium</i>	<i>bundoranensis</i>	Arundian		Donegal County
<i>Stenophragmidium</i>	<i>catenulus</i>	Lower Namurian	Weining	Guizhou Province, China
<i>Stenophragmidium</i>	<i>crassimuralis</i>	Brigantian		Bosherton, Wales
<i>Stenophragmidium</i>	<i>crassimuralis</i>	Brigantian		North Yorkshire
<i>Stenophragmidium</i>	<i>crassimuralis</i>	Chadian		Cumbria, Eng
<i>Stenophragmidium</i>	<i>crassimuralis</i>	Chadian		Pembrokeshire, Eng
<i>Stenophragmidium</i>	<i>debilis</i>	Brigantian		Yorkshire, Eng
<i>Stenophragmidium</i>	<i>incrustans</i>	Asbian		Clare County
<i>Stenophragmidium</i>	<i>incrustans</i>	Asbian		Tipperary County
<i>Stenophragmidium</i>	<i>incrustans</i>	Asbian		Tyrone County
<i>Stenophragmidium</i>	<i>incrustans</i>	Visean- Upper	Tullaghoge	Tyrone County
<i>Stenophragmidium</i>	<i>intermurum</i>	Tourinasean	Weining	Guizhou Province, China
<i>Stenophragmidium</i>	<i>libernicum</i>	Tourinasian		Dublin County
<i>Stenophragmidium</i>	<i>libernicum</i>	Tourinasian		Wexford County
<i>Stenophragmidium</i>	<i>lobatum</i>	Chadian		Cumbria, Eng

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenophragmidium</i>	<i>lobatum</i>	Chadian		Louth County
<i>Stenophragmidium</i>	<i>magnospinosum</i>	Lower Namurian	Weining	Guizhou Province, China
<i>Stenophragmidium</i>	<i>ramosum</i>	Visean- Lower LS Group	Beith	Ayrshire, Scotland
<i>Stenophragmidium</i>	<i>rastrum</i>	Lower Namurian	Weining	Guizhou Province, China
<i>Stenophragmidium</i>	<i>serrata</i>	Brigantian		Antrim County
<i>Stenophragmidium</i>	<i>serrata</i>	Brigantian		Ayrshire, Scotland
<i>Stenophragmidium</i>	<i>sparsitabulata</i>	Asbian		Cumbria, Eng
<i>Stenophragmidium</i>	<i>sparsitabulata</i>	Asbian		Fermanagh County
<i>Stenophragmidium</i>	<i>sparsitabulata</i>	Asbian		Tyrone County
<i>Stenophragmidium</i>	<i>sparsitabulata</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Stenophragmidium</i>	<i>weiningensis</i>	Lower Namurian	Weining	Guizhou Province, China
<i>Stenophragmidium</i>	<i>wexfordensis</i>	Chadian		Wexford County
<i>Stenophragmidium</i>	<i>wexfordensis</i>	Tourinasian		Wexford County
<i>Stenophragmidium</i>	xxx	Asbian	Llandudno, North Wales	North Wales
<i>Stenophragmidium</i>	xxx	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales
<i>Stenophragmidium</i>	xxx	Asbian- Glencar ls		Fermanagh County
<i>Stenophragmidium</i>	xxx	Dinantian	Llandudno, North Wales	North Wales

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenophragmidium</i>	xxx	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Stenopora</i>	<i>americana</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Stenopora</i>	<i>americana</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Stenopora</i>	<i>americana</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Stenopora</i>	<i>americana</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Stenopora</i>	<i>americana</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Stenopora</i>	<i>americana</i>	Keokuk	Jersey County, IL	Jersey County, IL
<i>Stenopora</i>	<i>americana</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Stenopora</i>	<i>americana</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Stenopora</i>	<i>americana</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Stenopora</i>	<i>americana</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Stenopora</i>	<i>americana</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Stenopora</i>	<i>americana</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Stenopora</i>	<i>americana</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Stenopora</i>	<i>americana</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>americana-varsoviensis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>americana-varsoviensis</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Stenopora</i>	<i>americana-varsoviensis</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Stenopora</i>	<i>americana-varsoviensis</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Stenopora</i>	<i>americana-varsoviensis</i>	Warsaw	New Providence, IL	Bureau County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>americana-varsoviensis</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Stenopora</i>	<i>americana-varsoviensis</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Stenopora</i>	<i>americana-varsoviensis</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Stenopora</i>	<i>angularis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Stenopora</i>	<i>angularis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>angularis</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Stenopora</i>	<i>castletonensis</i>	Lower Carboniferous	Treak Cliff	Derbyshire, Eng
<i>Stenopora</i>	<i>castletonensis</i>	Visean	Castleton	Derbyshire, Eng

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>castletonensis</i>	Visean	Derbyshire	Derbyshire, Eng
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Anna, IL	Union County, IL
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Chester, IL	Randolf County, IL
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Huntsville, AL	Madison County, AL
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Meade County, KY	Meade County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Smithland, KY	Livingston County, KY
<i>Stenopora</i>	<i>cestriensis</i>	Chester	Stepensport, KY	Breckenridge County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>cestriensis</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Stenopora</i>	<i>confusionensis</i>	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Stenopora</i>	<i>decimans</i>	Namurian/Serpukhovian	SW Altai-Nuruu Mtns	Govi-Altai province, Mongolia
<i>Stenopora</i>	<i>dermata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Stenopora</i>	<i>dermata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>domratchevi</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Stenopora</i>	<i>dubia</i>	Lower Carboniferous	Cookstown, Ireland	Tyrone County
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>emaciata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>foveolata</i>	Keokuk	Bentonsport, IA	Van Buren County,

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				IA
<i>Stenopora</i>	<i>foveolata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>haddingtonensis</i>	Visean	Haddingtonshire	Haddingtonshire
<i>Stenopora</i>	<i>haddingtonensis</i>	Visean	Sandersdean	East Lothian, UK
<i>Stenopora</i>	<i>incondita</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Stenopora</i>	<i>intercalaris</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Stenopora</i>	<i>intermittens</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>labrosa</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Stenopora</i>	<i>labrosa</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Stenopora</i>	<i>labrosa-florida</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Stenopora</i>	<i>labrosa-florida</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Stenopora</i>	<i>lucida</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Stenopora</i>	<i>meekana</i>	Chester	Anna, IL	Union County, IL
<i>Stenopora</i>	<i>meekana</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Stenopora</i>	<i>meekana</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Chester, IL	Randolf County, IL
<i>Stenopora</i>	<i>meekana</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Huntsville, AL	Madison County, AL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>meekana</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Stenopora</i>	<i>meekana</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Meade County, KY	Meade County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Stenopora</i>	<i>meekana</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Redbud, IL	Randolf County, IL
<i>Stenopora</i>	<i>meekana</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Stenopora</i>	<i>meekana</i>	Chester	Ruma, IL	Randolf County, IL
<i>Stenopora</i>	<i>meekana</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Smithland, KY	Livingston County, KY
<i>Stenopora</i>	<i>meekana</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Jersey County, IL	Jersey County, IL
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Stenopora</i>	<i>montifera</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Stenopora</i>	<i>montifera</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	<i>multifida</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Stenopora</i>	<i>multifida</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Stenopora</i>	<i>obliqua</i>	Tournasian	Arbigland	Calloway, Scotland
<i>Stenopora</i>	<i>obliqua</i>	Tournasian	Arbigland	Dumfries, Scotland
<i>Stenopora</i>	<i>obliqua</i>	Tournasian	Arbigland	Kirkbean, Scotland
<i>Stenopora</i>	<i>obliqua</i>	Tournasian	Kirkeudbrightshire	Calloway, Scotland
<i>Stenopora</i>	<i>obliqua</i>	Tournasian	Kirkeudbrightshire	Dumfries, Scotland
<i>Stenopora</i>	<i>parasitica</i>	Visean	doneckni	Rostov Oblast, Russia
<i>Stenopora</i>	<i>pertusa</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Stenopora</i>	<i>pusilimonila</i>	Lower Carboniferous-Uzura		Pahang, Malaysia
<i>Stenopora</i>	<i>ramosa</i>	Chester	Anna, IL	Union County, IL
<i>Stenopora</i>	<i>ramosa</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Stenopora</i>	<i>ramosa</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester	Chester, IL	Randolf County, IL
<i>Stenopora</i>	<i>ramosa</i>	Chester	Crittenden County, KY	Crittenden County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>ramosa</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester	Huntsville, AL	Madison County, AL
<i>Stenopora</i>	<i>ramosa</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Stenopora</i>	<i>ramosa</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester	Meade County, KY	Meade County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Stenopora</i>	<i>ramosa</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester	Redbud, IL	Randolf County, IL
<i>Stenopora</i>	<i>ramosa</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Stenopora</i>	<i>ramosa</i>	Chester	Ruma, IL	Randolf County, IL
<i>Stenopora</i>	<i>ramosa</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester	Smithland, KY	Livingston County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Stenopora</i>	<i>ramosa</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Stenopora</i>	<i>redesdalensis</i>	Tournasian		Cumberland
<i>Stenopora</i>	<i>redesdalensis</i>	Tournasian		Northumberland, Eng
<i>Stenopora</i>	<i>rudis</i>	Chester	Anna, IL	Union County, IL
<i>Stenopora</i>	<i>rudis</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Stenopora</i>	<i>rudis</i>	Chester	Caldwell County, KY	Caldwell County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>rudis</i>	Chester	Chester, IL	Randolf County, IL
<i>Stenopora</i>	<i>rudis</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Stenopora</i>	<i>rudis</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Stenopora</i>	<i>rudis</i>	Chester	Huntsville, AL	Madison County, AL
<i>Stenopora</i>	<i>rudis</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Stenopora</i>	<i>rudis</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Stenopora</i>	<i>rudis</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Stenopora</i>	<i>rudis</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Stenopora</i>	<i>rudis</i>	Chester	Meade County, KY	Meade County, KY
<i>Stenopora</i>	<i>rudis</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Stenopora</i>	<i>rudis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Stenopora</i>	<i>rudis</i>	Chester	Redbud, IL	Randolf County, IL
<i>Stenopora</i>	<i>rudis</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Stenopora</i>	<i>rudis</i>	Chester	Ruma, IL	Randolf County, IL
<i>Stenopora</i>	<i>rudis</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Stenopora</i>	<i>rudis</i>	Chester	Smithland, KY	Livingston County, KY
<i>Stenopora</i>	<i>rudis</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Stenopora</i>	<i>stereotoechusiformis</i>	Mengkungao fmt	Shaodong	Hunan, China
<i>Stenopora</i>	<i>stereotoechusiformis pristina</i>	Mengkungao fmt	Shaodong	Hunan, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>tenuipora</i>	Lower Carboniferous	Hook Point, Wexford	Wexford County
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Anna, IL	Union County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Chester, IL	Randolf County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Huntsville, AL	Madison County, AL
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Meade County, KY	Meade County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Redbud, IL	Randolf County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Ruma, IL	Randolf County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Smithland, KY	Livingston County, KY
<i>Stenopora</i>	<i>tuberculata</i>	Chester	Stepensport, KY	Breckenridge County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>tuberculata</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Alton, IL	Madison County, IL
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Caldwell, KY	Caldwell County, KY
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Stenopora</i>	<i>tuberculata</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Visean	doneckni	Rostov Oblast, Russia
<i>Stenopora</i>	<i>tuberculata</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Stenopora</i>	<i>tuberculata</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Warsaw	New Providence, IL	Bureau County, IL
<i>Stenopora</i>	<i>tuberculata</i>	Warsaw	Spergen Hill, IN	Washington County, IN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenopora</i>	<i>tuberculata</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Stenopora</i>	<i>tuberculata</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Stenopora</i>	xxx	Asbian	Llandudno, North Wales	North Wales
<i>Stenopora</i>	xxx	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales
<i>Stenopora</i>	xxx	Chester	Chester, IL	Randolf County, IL
<i>Stenopora</i>	xxx	Chester- Moorefield Shale	Spring Creek, MO	Independence County, AR
<i>Stenopora</i>	xxx	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Stenopora</i>	xxx	Dinantian	Llandudno, North Wales	North Wales
<i>Stenopora</i>	xxx	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Stenopora</i>	XXX	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Stenoporella</i>	<i>mineriensis</i>	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Stenoporella</i>	<i>mineriensis</i>	Chester- Ely Limestone	Millard County, Utah	Millard County, UT
<i>Stenoporella</i>	<i>romingeri</i>	Chester	Cave Creek, AR	Newton County, AR
<i>Stenoporella</i>	<i>sparsispinifera</i>	Chester	Cave Creek, AR	Newton County, AR
<i>Stenoporella</i>	xxx	Arundian- Codroy group	Port au Port, Newfoundland	Port au Port, NL
<i>Stenoporella</i>	xxx	Dinantian- Codroy group	Port au Port, Newfoundland	Port au Port, NL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Stenoporella</i>	xxx	Holkerian- Codroy group	Port au Port, Newfoundland	Port au Port, NL
<i>Stictoporella</i>	<i>basalis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Stictoporella</i>	<i>undulata</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Streblascopora</i>	<i>amabilis</i>	Lower Carboniferous		Japan
<i>Streblascopora</i>	<i>antiqua</i>	Lower Carboniferous	Akiesi	Japan
<i>Streblascopora</i>	<i>antiqua</i>	Lower Carboniferous- Uzura		Pahang, Malaysia
<i>Streblascopora</i>	<i>grossa</i>	Lower Carboniferous		Japan
<i>Streblascopora</i>	<i>superminor</i>	Lower Carboniferous		Malaysia
<i>Streblascopora</i>	<i>superminor</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Streblascopora</i>	xxx	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Streblascopora</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Strebloplax</i>	<i>crustacea</i>	Chester	Carter County, OK	Carter County, OK
<i>Strebloplax</i>	xxx	Chester- Chainman Shale	Juab County, Utah	Juab County, UT
<i>Streblotrypa</i>	<i>amplexa</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Streblotrypa</i>	<i>amplexa</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypa</i>	<i>amplexa</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Streblotrypa</i>	<i>amplexa</i>	Waverly	Lodi, OH	Medina County, OH
<i>Streblotrypa</i>	<i>amplexa</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Streblotrypa</i>	<i>amplexa</i>	Waverly	Newark, OH	Licking County, OH
<i>Streblotrypa</i>	<i>amplexa</i>	Waverly	Richfield, OH	Summit County, OH
<i>Streblotrypa</i>	<i>amplexa</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Streblotrypa</i>	<i>angulatum</i>	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Streblotrypa</i>	<i>angulatum</i>	Chester- Ely Limestone	Millard County, Utah	Millard County, UT
<i>Streblotrypa</i>	<i>cortacea</i>	Lower Carboniferous	Treak Cliff	Derbyshire, Eng
<i>Streblotrypa</i>	<i>dentculata</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Streblotrypa</i>	<i>dentculata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Streblotrypa</i>	<i>dentculata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Streblotrypa</i>	<i>dentculata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Streblotrypa</i>	<i>dentculata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Streblotrypa</i>	<i>dentculata</i>	Waverly	Newark, OH	Licking County, OH
<i>Streblotrypa</i>	<i>dentculata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Streblotrypa</i>	<i>dentculata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Anna, IL	Union County, IL
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Chester, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Grayson Springs, KY	Grayson County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Huntsville, AL	Madison County, AL
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Meade County, KY	Meade County, KY
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Redbud, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Ruma, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Smithland, KY	Livingston County, KY
<i>Streblotrypa</i>	<i>distincta</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Streblotrypa</i>	<i>eastoni</i>	Chester- Otter Fmt	Armington, MT	Cascade County, MT
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Keokuk, IA	Lee County, IA

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Streblotrypa</i>	<i>hertzeri</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>hertzeri</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Streblotrypa</i>	<i>hertzeri</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Streblotrypa</i>	<i>hertzeri</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Streblotrypa</i>	<i>hertzeri</i>	Waverly	Lodi, OH	Medina County, OH
<i>Streblotrypa</i>	<i>hertzeri</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Streblotrypa</i>	<i>hertzeri</i>	Waverly	Newark, OH	Licking County, OH
<i>Streblotrypa</i>	<i>hertzeri</i>	Waverly	Richfield, OH	Summit County, OH
<i>Streblotrypa</i>	<i>hertzeri</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Streblotrypa</i>	<i>hertzeriformis</i>	Visean		Kemerovskaya Oblast, Russia
<i>Streblotrypa</i>	<i>imperfecta</i>	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Celina, TN	Clay County, TN
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Clay County, TN	Clay County, TN

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Gainesboro, TN	Jackson County, TN
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Jackson County, TN	Jackson County, TN
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Livingston, TN	Overton County, TN
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Overton County, TN	Overton County, TN
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Streblotrypa</i>	<i>major</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Streblotrypa</i>	<i>major</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>major</i>	Visean		Kazakhstan
<i>Streblotrypa</i>	<i>major</i>	Visean		Kemerovskaya Oblast, Russia
<i>Streblotrypa</i>	<i>major</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Streblotrypa</i>	<i>major</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Streblotrypa</i>	<i>major</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Streblotrypa</i>	<i>major</i>	Waverly	Lodi, OH	Medina County, OH
<i>Streblotrypa</i>	<i>major</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Streblotrypa</i>	<i>major</i>	Waverly	Newark, OH	Licking County, OH
<i>Streblotrypa</i>	<i>major</i>	Waverly	Richfield, OH	Summit County, OH
<i>Streblotrypa</i>	<i>major</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Streblotrypa</i>	<i>multioporata</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Streblotrypa</i>	<i>multioporata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypa</i>	<i>multioporata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Streblotrypa</i>	<i>multioporata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Streblotrypa</i>	<i>multioporata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Streblotrypa</i>	<i>multioporata</i>	Waverly	Newark, OH	Licking County, OH
<i>Streblotrypa</i>	<i>multioporata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Streblotrypa</i>	<i>multioporata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Anna, IL	Union County, IL
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Carter County, OK	Carter County, OK
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Chester, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Huntsville, AL	Madison County, AL
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Meade County, KY	Meade County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Redbud, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Rockwood, IL	Randolf County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Ruma, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Smithland, KY	Livingston County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	St. Genevieve, MO	St. Lane County, MO
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Streblotrypa</i>	<i>nicklesi</i>	Chester-Glen Dean	Crane, IN	Martin County, IN
<i>Streblotrypa</i>	<i>nicklesi-occidentalis</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Streblotrypa</i>	<i>nicklesi-occidentalis</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Streblotrypa</i>	<i>obliqua</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Streblotrypa</i>	<i>obliqua</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Streblotrypa</i>	<i>obliqua</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Streblotrypa</i>	<i>obliqua</i>	Waverly	Lodi, OH	Medina County, OH
<i>Streblotrypa</i>	<i>obliqua</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Streblotrypa</i>	<i>obliqua</i>	Waverly	Newark, OH	Licking County, OH
<i>Streblotrypa</i>	<i>obliqua</i>	Waverly	Richfield, OH	Summit County, OH
<i>Streblotrypa</i>	<i>obliqua</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Streblotrypa</i>	<i>parallela</i>	Lower Carboniferous	Barrington Tops	NSW, AU
<i>Streblotrypa</i>	<i>parallela</i>	Lower Carboniferous	Glen William	NSW, AU

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypa</i>	<i>parallela</i>	Lower Carboniferous	Hilldale	NSW, AU
<i>Streblotrypa</i>	<i>parallela</i>	Lower Carboniferous	Rouchel Brook	NSW, AU
<i>Streblotrypa</i>	<i>pectinata</i>	Asbian		Derbyshire, Eng
<i>Streblotrypa</i>	<i>pectinata</i>	Asbian- Glencar ls		Fermanagh County
<i>Streblotrypa</i>	<i>pectinata</i>	Lower Carboniferous	Treak Cliff	Derbyshire, Eng
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Streblotrypa</i>	<i>radialis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Streblotrypa</i>	<i>strabona</i>	Lower Carboniferous		Kemerovskaya Oblast, Russia
<i>Streblotrypa</i>	<i>striata</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Streblotrypa</i>	<i>striata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypa</i>	<i>striata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Streblotrypa</i>	<i>striata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Streblotrypa</i>	<i>striata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Streblotrypa</i>	<i>striata</i>	Waverly	Newark, OH	Licking County, OH
<i>Streblotrypa</i>	<i>striata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Streblotrypa</i>	<i>striata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Anna, IL	Union County, IL
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Chester, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Huntsville, AL	Madison County, AL
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Meade County, KY	Meade County, KY
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Redbud, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Ruma, IL	Randolf County, IL
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Smithland, KY	Livingston County, KY
<i>Streblotrypa</i>	<i>subspinosa</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Streblotrypa</i>	<i>variopitata</i>	Lower Carboniferous		Kemerovskaya Oblast, Russia
<i>Streblotrypa</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Streblotrypa</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Streblotrypa</i>	xxx	Lower Carboniferous	Monto	QLD, AU
<i>Streblotrypa</i>	xxx	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Streblotrypa</i>	xxx	Ste. Genevieve- Paradise fmt, 3rd member	Paradise, AZ	Cochise County, AZ
<i>Streblotrypella</i>	<i>amicaula</i>	Lower Carboniferous- Hikoroichi ls		Morioka Province, Japan
<i>Streblotrypella</i>	<i>astrovae</i>	Lower Carboniferous- Uzura		Pahang, Malaysia
<i>Streblotrypella</i>	<i>eluca</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Streblotrypella</i>	<i>eluca</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypella</i>	<i>eluca</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Streblotrypella</i>	<i>eluca</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Streblotrypella</i>	<i>hertzeriformis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Streblotrypella</i>	<i>major</i>	Chester	Langston Gap, AL	Jackson County, AL
<i>Streblotrypella</i>	<i>major</i>	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Streblotrypella</i>	<i>major</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Streblotrypella</i>	<i>major</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Streblotrypella</i>	<i>major</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Streblotrypella</i>	<i>major</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Streblotrypella</i>	<i>major turlanensis</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Streblotrypella</i>	<i>strabona</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Streblotrypella</i>	<i>variopitata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Streblotrypella</i>	xxx	Lower Carboniferous- Hikoroichi ls		Morioka Province, Japan

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Streblotrypella</i>	xxx	Tourinasean- Hikoroichi sh	Hikoroichi, S Kitakami massif	Iwate Prefecture, Honshu, Japan
<i>Streblotrypella</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Streblotrypella</i>	xxx	Visean- Lower(Hina ls)	58 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Strotopora</i>	??foueolata	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Strotopora</i>	??foueolata	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Strotopora</i>	??foueolata	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Strotopora</i>	??foueolata	Keokuk	Clark County, MO	Clark County, MO
<i>Strotopora</i>	??foueolata	Keokuk	Greene County, IL	Greene County, IL
<i>Strotopora</i>	??foueolata	Keokuk	Keokuk, IA	Lee County, IA
<i>Strotopora</i>	??foueolata	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Strotopora</i>	??foueolata	Keokuk	Lagrange, MO	Clark County, MO
<i>Strotopora</i>	??foueolata	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Strotopora</i>	??foueolata	Keokuk	Plymouth, IL	Hancock County, IL
<i>Strotopora</i>	??foueolata	Keokuk	Somerset, KY	Pulaski County, KY
<i>Strotopora</i>	??foueolata	Keokuk	St. Francisville, MO	Clark County, MO
<i>Strotopora</i>	??foueolata	Keokuk	Warsaw, IL	Hancock County, IL
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Clark County, MO	Clark County, MO

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Strotopora</i>	<i>cinngulata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Strotopora</i>	<i>dermata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Strotopora</i>	<i>dermata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Strotopora</i>	<i>foveolata</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Strotopora</i>	<i>foveolata</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Strotopora</i>	<i>foveolata</i>	Keokuk	Warsaw, IL	Hancock County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Strotopora</i>	<i>frondosa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Strotopora</i>	<i>interpolata</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Strotopora</i>	<i>interpolata</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Strotopora</i>	<i>interpolata</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Strotopora</i>	<i>interpolata</i>	Waverly	Lodi, OH	Medina County, OH
<i>Strotopora</i>	<i>interpolata</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Strotopora</i>	<i>interpolata</i>	Waverly	Newark, OH	Licking County, OH
<i>Strotopora</i>	<i>interpolata</i>	Waverly	Richfield, OH	Summit County, OH
<i>Strotopora</i>	<i>interpolata</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Button Mole Knob,	Bullitt County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
			KY	
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Strotopora</i>	<i>ramulosa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Strotopora</i>	<i>ramulosa-burlingtonensis</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Strotopora</i>	<i>ramulosa-burlingtonensis</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Strotopora</i>	<i>ramulosa-burlingtonensis</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Strotopora</i>	<i>ramulosa-burlingtonensis</i>	Burlington	Quincy, IL	Adams County, IL
<i>Strotopora</i>	<i>ramulosa-burlingtonensis</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Alton, IL	Madison County, IL
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Caldwell, KY	Caldwell County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Clarksville, TN	Montgomery County, TN
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Colesburg, KY	Hardin County, KY
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Crittenden County, KY	Crittenden County, KY
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Eddyville, KY	Lyon County, KY
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Fort Springs(ronceverte), WV	Greenbrier, WV
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Lyon, KY	Lyon County, KY
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Prarie du Rocher, IL	Randolf County, IL
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Somerset, KY	Pulaski County, KY
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	St. Genevieve, MO	Ste. Genevieve County, MO
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	St. Louis, MO	St. Louis County, MO
<i>Strotopora</i>	<i>subrecta</i>	St. Louis	Waterloo, IL	Monroe County, IL
<i>Sulcoretepora</i>	<i>altaica</i>	Carboniferous- Early		Mongolia
<i>Sulcoretepora</i>	<i>americana</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Sulcoretepora</i>	<i>dichotoma</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Sulcoretepora</i>	<i>laminicurvis</i>	Visean	podmoskovnii	Russian Platform
<i>Sulcoretepora</i>	<i>magnistriata</i>	Visean	podmoskovnii	Russian Platform
<i>Sulcoretepora</i>	<i>malayensis</i>	Visean- Shale	Pahang, Malaysia	Pahang, Malaysia
<i>Sulcoretepora</i>	<i>minuta</i>	Visean	srednii	Severnaya Zemlya Archipeligo, Russia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Sulcoretepora</i>	<i>minuta</i>	Visean- Early	Central Don River, Russia	Volgograd Oblast, Russia
<i>Sulcoretepora</i>	<i>nana</i>	Chester- Wymps Gap ls	Fayette County, PA	Fayette County, PA
<i>Sulcoretepora</i>	<i>nuransis</i>	Carboniferous- Early		Mongolia
<i>Sulcoretepora</i>	<i>ocellata</i>	Tourinasean- Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Sulcoretepora</i>	<i>ocellata</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Sulcoretepora</i>	<i>parallela</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Sulcoretepora</i>	<i>parallela</i>	Asbian- Glencar ls		Fermanagh County
<i>Sulcoretepora</i>	<i>parallela</i>	Visean- Lower LS Group	Beith	Ayrshire, Scotland
<i>Sulcoretepora</i>	<i>ramosa</i>	Visean- Upper	Tullaghoge	Tyrone County
<i>Sulcoretepora</i>	<i>toimensis</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Sulcoretepora</i>	<i>toimensis</i>	Tourinasean- Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Sulcoretepora</i>	<i>toimensis</i>	Tourinasean- Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Sulcoretepora</i>	<i>toimensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Sulcoretepora</i>	<i>toimensis</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Sulcoretepora</i>	<i>toimensis</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Sulcoretepora</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Sulcoretepora</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Sulcoretepora</i>	xxx	Chester- Wymys Gap ls	Chalk Hill, Ohiopyle	Fayette County, PA
<i>Sulcoretepora</i>	xxx	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Sulcoretepora</i>	xxx	Namurian	Haute-Garrone Province, France	Haute-Garrone Province, France
<i>Sulcoretepora</i>	XXX	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Sulcoretepora</i>	<i>zigzag</i>	Lower Carboniferous	Lake Bashkal	Eastern Kazakhstan
<i>Synocladia</i>	xxx	Lower Carboniferous		Turkestan
<i>Synocladia</i>	xxx	Lower Carboniferous- Izuto ls		Yamaguchi Prefecture, Honshu, Japan
<i>Tabuliforma</i>	<i>incrustans</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Tabuliforma</i>	<i>incrustans</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Tabuliforma</i>	<i>incrustans</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tabuliforma</i>	<i>kansuensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Tabuliforma</i>	<i>kansuensis</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Tabuliforma</i>	<i>meekana</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Tabuliforma</i>	<i>meekana</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Moshigou	Gansu Province, China
<i>Tabuliforma</i>	<i>meekana</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Tabuliforma</i>	<i>montifera</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Tabuliforma</i>	<i>montifera</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Tabuliforma</i>	<i>nekhoroshevi</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Tabuliforma</i>	<i>pessasica</i>	Lower Carboniferous-Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tabuliforma</i>	<i>pessasica</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Tabuliforma</i>	<i>subtilata</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Tabuliforma</i>	<i>subtilata</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Houeishan	Nei Mongol Autonomous Region, China
<i>Tabuliforma</i>	<i>subtilata</i>	Lower Carboniferous- Late, Chouniugou Fmtn	Xiehau	Gansu Province, China
<i>Tabuliforma</i>	xxx	Lower Carboniferous- Late, Chouniugou Fmtn	Chouniugou	Gansu Province, China
<i>Tabulipora</i>	<i>angulosa</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>atacta</i>	Chester- Chainman Shale	Juab County, Utah	Juab County, UT
<i>Tabulipora</i>	<i>atacta</i>	Chester- Chainman Shale	Millard County, Utah	Millard County, UT
<i>Tabulipora</i>	<i>badamica</i>	Lower Carboniferous		Zhambyl Province, Kazakhstan
<i>Tabulipora</i>	<i>cestiensis</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Tabulipora</i>	<i>cestiensis</i>	Chester- Glen Dean		Crawford County, IN
<i>Tabulipora</i>	<i>cestiensis</i>	Chester- Glen Dean		Perry County, IN
<i>Tabulipora</i>	<i>cestriensis</i>	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tabulipora</i>	<i>cestriensis</i>	Chester- Pitkin Ls		Crawford County, AR
<i>Tabulipora</i>	<i>cestriensis</i>	Chester- Pitkin Ls		Independence County, AR
<i>Tabulipora</i>	<i>cestriensis</i>	Chester- Pitkin Ls		Madison County, AR
<i>Tabulipora</i>	<i>cestriensis</i>	Chester- Pitkin Ls		Newton County, AR
<i>Tabulipora</i>	<i>cestriensis</i>	Chester- Pitkin Ls		Searey County, AR
<i>Tabulipora</i>	<i>cestriensis</i>	Chester- Pitkin Ls		Stone County, AR
<i>Tabulipora</i>	<i>cestriensis</i>	Chester- Pitkin Ls		Washington County, AR
<i>Tabulipora</i>	<i>chaoi</i>	Lower Carboniferous	Anhua	Anhua County, Hunan, China
<i>Tabulipora</i>	<i>debilis</i>	Visean	Cracoe, Yorkshire	Yorkshire, Eng
<i>Tabulipora</i>	<i>exilomura</i>	Tzemenchiao fmt	Longhui	Hunan, China
<i>Tabulipora</i>	<i>hessilheadensis</i>	Visean- Lower LS Group	Beith	Ayrshire, Scotland
<i>Tabulipora</i>	<i>howseii</i>	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Tabulipora</i>	<i>howsii</i>	Asbian- Glencar ls		Fermanagh County
<i>Tabulipora</i>	<i>huaitoutalensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Tabulipora</i>	<i>huaitoutalensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Tabulipora</i>	<i>incrustans</i>	Visean- Late Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>inversa</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Tabulipora</i>	<i>inversa</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tabulipora</i>	<i>kansuensis</i>	Lower Carboniferous	Minlo	Kansu Province, China
<i>Tabulipora</i>	<i>macnairi</i>	Chester	Carter County, OK	Carter County, OK
<i>Tabulipora</i>	<i>maendria</i>	Poolvash Is		Isle of Man
<i>Tabulipora</i>	<i>meekana</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Tabulipora</i>	<i>meekana</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Tabulipora</i>	<i>minima</i>	Asbian- Glencar Is		Fermanagh County
<i>Tabulipora</i>	<i>minima</i>	Namurian	Central Scotland	Central Scotland
<i>Tabulipora</i>	<i>montifera</i>	Visean	Hagen in Westfalen	North Rhine-Westphalia, Germany
<i>Tabulipora</i>	<i>montifera</i>	Visean	podmoskovnii	Russian Platform
<i>Tabulipora</i>	<i>montifera</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>mosjuchensis</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>mrassuensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>nekhoroschevi</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>neotersiensis</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Tabulipora</i>	<i>neotersiensis</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Tabulipora</i>	<i>novellastra</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>owsei</i>	Poolvash Is		Isle of Man

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tabulipora</i>	<i>owsei</i>	Tournasian	South Scotland	South Scotland
<i>Tabulipora</i>	<i>owsei</i>	Tournasian		Cumberland
<i>Tabulipora</i>	<i>owsei</i>	Tournasian		Northumberland, Eng
<i>Tabulipora</i>	<i>owsei</i>	upper Calp shale	Bundoran, Ireland	Donegal County
<i>Tabulipora</i>	<i>paradisensis</i>	Chester- Paradise fmt, 7th	Paradise, AZ	Cochise County, AZ
<i>Tabulipora</i>	<i>parsitabulata</i>	Tournasian	South Scotland	South Scotland
<i>Tabulipora</i>	<i>parsitabulata</i>	Tournasian		Cumberland
<i>Tabulipora</i>	<i>parsitabulata</i>	Tournasian		Northumberland, Eng
<i>Tabulipora</i>	<i>parsitabulata</i>	upper Calp shale	Bundoran, Ireland	Donegal County
<i>Tabulipora</i>	<i>penerudis</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Tabulipora</i>	<i>pesassica</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>ramosa</i>	Chester- Glen Dean		Breckenridge County, KY
<i>Tabulipora</i>	<i>ramosa</i>	Chester- Glen Dean		Crawford County, IN
<i>Tabulipora</i>	<i>ramosa</i>	Chester- Glen Dean		Grayson County, KY
<i>Tabulipora</i>	<i>ramosa</i>	Chester- Glen Dean		Perry County, IN
<i>Tabulipora</i>	<i>ramosa</i>	Chester- Glen Dean		Pulaski County, KY
<i>Tabulipora</i>	<i>ramosa</i>	Chester- Wymps Gap ls	Fayette County, PA	Fayette County, PA
<i>Tabulipora</i>	<i>rhombicellata</i>	Visean	podmoskovnii	Russian Platform
<i>Tabulipora</i>	<i>ricta</i>	Chester- Chainman Shale	Juab County, Utah	Juab County, UT
<i>Tabulipora</i>	<i>ricta</i>	Chester- Chainman Shale	Millard County, Utah	Millard County, UT

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tabulipora</i>	<i>recta</i>	Chester- Ely Limestone	Millard County, Utah	Millard County, UT
<i>Tabulipora</i>	<i>risilla</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>rotaji</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>rotaji</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>rotaji</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>scotica</i>	Lower Carboniferous	Archerbeck Borehole	Dumfries, Scotland
<i>Tabulipora</i>	<i>scotica</i>	Namurian	Central Scotland	Central Scotland
<i>Tabulipora</i>	<i>scotica</i>	Namurian	Central Scotland	Northumberland, Eng
<i>Tabulipora</i>	<i>scotica</i>	Visean- Lower LS Group	Beith	Ayrshire, Scotland
<i>Tabulipora</i>	<i>scotica</i>	Visean- Upper	Tullaghoge	Tyrone County
<i>Tabulipora</i>	<i>similomontifera</i>	Tzemenchiao fmt	Xiangxiang	Hunan, China
<i>Tabulipora</i>	<i>simplex</i>	Chester	Carter County, OK	Carter County, OK
<i>Tabulipora</i>	<i>spinocepta</i>	Tzemenchiao fmt	Lianyuan	Hunan, China
<i>Tabulipora</i>	<i>spinocepta</i>	Tzemenchiao fmt	Xiangxiang	Hunan, China
<i>Tabulipora</i>	<i>spinoceptosa</i>	Liuiatang fmt	Longhui	Hunan, China
<i>Tabulipora</i>	<i>stragula</i>	Chester- Chainman Shale	Juab County, Utah	Juab County, UT
<i>Tabulipora</i>	<i>stragula</i>	Chester- Chainman Shale	Millard County, Utah	Millard County, UT

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tabulipora</i>	<i>submenbranacea</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Tabulipora</i>	<i>submenbranacea</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Tabulipora</i>	<i>subtilata</i>	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Tabulipora</i>	<i>subtilata</i>	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Tabulipora</i>	<i>subtilata</i>	Visean	podmoskovnii	Russian Platform
<i>Tabulipora</i>	<i>tenuimuralis</i>	Visean	Eelweli, Lowrick	Lowrick County, Eng
<i>Tabulipora</i>	<i>tersiensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>tuberculata</i>	Chester	Carter County, OK	Carter County, OK
<i>Tabulipora</i>	<i>tuberculata</i>	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Tabulipora</i>	<i>tuberculata</i>	St. Louis- Paradise fmt	Paradise, AZ	Cochise County, AZ
<i>Tabulipora</i>	<i>urii</i>	Asbian- Glencar ls		Fermanagh County
<i>Tabulipora</i>	<i>verchofomica</i>	Visean- Early Tom	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>vesca</i>	Tourinasean- early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Tabulipora</i>	<i>wexfordensis</i>	Lower Carboniferous	Hook Point, Wexford	Wexford County
<i>Tabulipora</i>	xxx	Asbian	Llandudno, North Wales	North Wales
<i>Tabulipora</i>	xxx	Asbian	Nant-y-Gamar, Wales	Conwy County, Wales

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tabulipora</i>	xxx	Asbian	Redesdale, Northumberland	Northumberland, Eng
<i>Tabulipora</i>	xxx	Chester- Bangor Ls	Reid Gap, AR	Blount County, AL
<i>Tabulipora</i>	xxx	Chester- Bangor ls		Blount County, AL
<i>Tabulipora</i>	xxx	Chester- Haney ls	Sulphur, IN	Crawford County, IN
<i>Tabulipora</i>	xxx	Chester- Paradise fmt, 5th	Paradise, AZ	Cochise County, AZ
<i>Tabulipora</i>	xxx	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Tabulipora</i>	xxx	Chester- Pitkin Ls		Crawford County, AR
<i>Tabulipora</i>	xxx	Chester- Pitkin Ls		Independence County, AR
<i>Tabulipora</i>	xxx	Chester- Pitkin Ls		Madison County, AR
<i>Tabulipora</i>	xxx	Chester- Pitkin Ls		Newton County, AR
<i>Tabulipora</i>	xxx	Chester- Pitkin Ls		Searey County, AR
<i>Tabulipora</i>	xxx	Chester- Pitkin Ls		Stone County, AR
<i>Tabulipora</i>	xxx	Chester- Pitkin Ls		Washington County, AR
<i>Tabulipora</i>	xxx	Chester- Wymps Gap ls	Chalk Hill, Ohiopyle	Fayette County, PA
<i>Tabulipora</i>	xxx	Dinantian	Llandudno, North Wales	North Wales
<i>Tabulipora</i>	xxx	Keokuk- Borden Group	Crawfordsville, IN	Montgomery County, IN
<i>Tabulipora</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Tabulipora</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tabulipora</i>	xxx	Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Tabulipora</i>	xxx	Visean- Upper	Tullaghoge	Tyrone County
<i>Tabulipora</i>	<i>youngi</i>	Namurian	Central Scotland	Central Scotland
<i>Tabulipora</i>		Visean- Lower(Hina ls)	56 km W of Okayama, Japan	Okayama Prefecture, Honshu, Japan
<i>Tabuliporella</i>	<i>badamica</i>	Lower Carboniferous		Turkestan
<i>Tabuliporella</i>	<i>nalivkini</i>	Lower Carboniferous		Turkestan
<i>Tabuliporella</i>	<i>sibilica</i>	Lower Carboniferous		Turkestan
<i>Tabuliporella</i>		Visean- Akiyoshi ls	Akiyoshi, Japan	Yamaguchi Prefecture, Honshu, Japan
<i>Taeniodictya</i>	<i>cingulata</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Taeniodictya</i>	<i>fenestriata</i>	Tournasean- Upper Tomskaya Zone		Kemerovskaya Oblast, Russia
<i>Taeniodictya</i>	<i>frondosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Taeniodictya</i>	<i>ramulosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Taeniodictya</i>	<i>ramulosa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Taeniodictya</i>	<i>ramulosa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Taeniodictya</i>	<i>ramulosa-burlingtonensis</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Taeniodictya</i>	<i>subrecta</i>	St. Louis	Elizabethtown, KY	Hardin County, KY
<i>Taeniodictya</i>	<i>vermiculata</i>	Tournasean- lower	SE Armenia	SE Armenia

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Tamaroclema</i>	<i>troizkayae</i>	Tournasean		Kazakhstan
<i>Thamniscus</i>	<i>colei</i>	Asbian- Glencar ls	Carrick Lough	Fermanagh County
<i>Thamniscus</i>	<i>colei</i>	Asbian- Glencar ls		Fermanagh County
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Thamniscus</i>	<i>divaricans</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Thamniscus</i>	<i>erectus</i>	Chester	Carter County, OK	Carter County, OK
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Anna, IL	Union County, IL
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Chester, IL	Randolf County, IL
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Grayson Springs, KY	Grayson County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Jackson County, KY	Jackson County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Meade County, KY	Meade County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Smithland, KY	Livingston County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	St. Genevieve, MO	St. Lane County, MO
<i>Thamniscus</i>	<i>furcillatus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Thamniscus</i>	<i>furcillatus</i>	Chester- Paradise fmt, 6th	Paradise, AZ	Cochise County, AZ
<i>Thamniscus</i>	<i>furcillatus</i>	St. Genevieve		Hardin County, IL
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Anna, IL	Union County, IL
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Baldwin, IL	Randolf County, IL
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Caldwell County, KY	Caldwell County, KY
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Chester, IL	Randolf County, IL
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Crittenden County, KY	Crittenden County, KY
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Grayson Springs, KY	Grayson County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Huntsville, AL	Madison County, AL
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Jackson County, KY	Jackson County, KY
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Kaskaskia, IL	Randolf County, IL
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Litchfield, KY	Grayson County, KY
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Livingston County, KY	Livingston County, KY
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Meade County, KY	Meade County, KY
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Newtonville, OH	Muskingum County, OH
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Redbud, IL	Randolf County, IL
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Rockwood, IL	Randolf County, IL
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Ruma, IL	Randolf County, IL
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Sloan's Valley(Tateville), KY	Pulaski County, KY
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Smithland, KY	Livingston County, KY
<i>Thamniscus</i>	<i>ramulosus</i>	Chester	Stepensport, KY	Breckenridge County, KY
<i>Thamniscus</i>	<i>ramulosus-sevillensis</i>	Chester	Chester, IL	Randolf County, IL
<i>Thamniscus</i>	<i>ramulosus-sevillensis</i>	Chester	Pulaski County, KY	Pulaski County, KY
<i>Thamniscus</i>	<i>raribifurcatus</i>	Great Blue Is	Tooele County, UT	Tooele County, UT
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Thamniscus</i>	<i>sculptilis</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Thamniscus</i>	<i>undichotomus</i>	Lower Carboniferous		Turkestan
<i>Thamniscus</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Gansu Province, China
<i>Thamniscus</i>	xxx	Lower Carboniferous	Qilian Shan Mountains	Qinghai Province, China
<i>Trematopora</i>	? <i>americana</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Trematopora</i>	? <i>americana</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Trematopora</i>	? <i>americana</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Trematopora</i>	? <i>americana</i>	Burlington	Quincy, IL	Adams County, IL
<i>Trematopora</i>	? <i>americana</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Trematopora</i>	? <i>fragilis</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Trematopora</i>	? <i>fragilis</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Trematopora</i>	? <i>fragilis</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Trematopora</i>	? <i>fragilis</i>	Burlington	Quincy, IL	Adams County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Trematopora</i>	? <i>fragilis</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Trematopora</i>	? <i>vesiculosa</i>	Burlington	Burlington, IA	Des Moines County, IA
<i>Trematopora</i>	? <i>vesiculosa</i>	Burlington	Calhoun County, IL	Calhoun County, IL
<i>Trematopora</i>	? <i>vesiculosa</i>	Burlington	Montezuma, IL	Pike County, IL
<i>Trematopora</i>	? <i>vesiculosa</i>	Burlington	Quincy, IL	Adams County, IL
<i>Trematopora</i>	? <i>vesiculosa</i>	Burlington	Sagetown, IL	Henderson County, IL
<i>Trematopora</i>	? <i>vesiculosa</i>	Waverly	Burbank, OH	Wayne County, OH
<i>Trematopora</i>	? <i>vesiculosa</i>	Waverly	Cuyahoga County, OH	Cuyahoga County, OH
<i>Trematopora</i>	? <i>vesiculosa</i>	Waverly	Hillsdale, MI	Hillsdale County, MI
<i>Trematopora</i>	? <i>vesiculosa</i>	Waverly	Lodi, OH	Medina County, OH
<i>Trematopora</i>	? <i>vesiculosa</i>	Waverly	Moots Run, OH	Licking County, OH
<i>Trematopora</i>	? <i>vesiculosa</i>	Waverly	Newark, OH	Licking County, OH
<i>Trematopora</i>	? <i>vesiculosa</i>	Waverly	Richfield, OH	Summit County, OH
<i>Trematopora</i>	? <i>vesiculosa</i>	Waverly	Sciotoville, OH	Scioto County, OH
<i>Trematopora</i>	xxx	Burlington	Burlington, IA	Des Moines County, IA
<i>Triznotrypa</i>	<i>axiculata</i>	Visean	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>axiculata</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>crustosa</i>	Tourinasean	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>crustosa</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>faviformis</i>	Tourinasean	Kuznets Basin	Kemerovskaya

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Oblast, Russia
<i>Triznotrypa</i>	<i>faviformis</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>inailta</i>	Visean	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>inculta</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>kossmati</i>	Tourinasean	Kazakhstan	Kazakhstan
<i>Triznotrypa</i>	<i>kossmati</i>	Tourinasean	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>kossmati</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>kossmati</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>kossmati</i>	Visean	Kazakhstan	Kazakhstan
<i>Triznotrypa</i>	<i>kossmati</i>	Visean	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>kossmati</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>praetomiensis</i>	Visean	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>praetomiensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>pulposa</i>	Visean	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>pulposa</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>punctata</i>	Visean	Russian Platform	Russian Platform
<i>Triznotrypa</i>	<i>stepanovi</i>	Tourinasean	Kuznets Basin	Kemerovskaya

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
				Oblast, Russia
<i>Triznotrypa</i>	<i>subtomensis</i>	Visean	kuzbas	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>tenuilignata</i>	Tourinasean	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>tenuilignata</i>	Tourinasean- Late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>tenuilignata</i>	Tourinasean-Taikohskoe early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>tenuilignata</i>	Tourinasean-Taikohskoe late	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>tomiensis</i>	Visean	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>tomiensis</i>	Visean- Early	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Triznotrypa</i>	<i>tomiensis</i>	Visean- Pokblrkov	Kuznets Basin	Kemerovskaya Oblast, Russia
<i>Vinella</i>	<i>bilineata</i>	Chester	Carter County, OK	Carter County, OK
<i>Volnovachia</i>	<i>distincta</i>	Lower Carboniferous	Donetz Basin	Rostov Oblast, Russia
<i>Worthenopera</i>	<i>elbursensis</i>	Visean	Eastern Alburz Mnts, Iran	Golestan Province, Iran
<i>Worthenopora</i>	<i>castletonense</i>	Lower Carboniferous	Treak Cliff	Derbyshire, Eng
<i>Worthenopora</i>	<i>spatulata</i>	St. Louis	St. Louis County, MO	St. Louis County, MO
<i>Worthenopora</i>	<i>spatulata</i>	Warsaw	Columbia, IL	Monroe County, IL
<i>Worthenopora</i>	<i>spatulata</i>	Warsaw	Curryville, MO	Pike County, MO
<i>Worthenopora</i>	<i>spatulata</i>	Warsaw	Monroe County, IL	Monroe County, IL
<i>Worthenopora</i>	<i>spatulata</i>	Warsaw	New Providence, IL	Bureau County, IL

Table 4, cont'd

Genus	species	Rock Unit	Locality Available	County
<i>Worthenopora</i>	<i>spatulata</i>	Warsaw	Spergen Hill, IN	Washington County, IN
<i>Worthenopora</i>	<i>spatulata</i>	Warsaw	St. Louis County, MO	St. Louis County, MO
<i>Worthenopora</i>	<i>spatulata</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Appanoosa, IL	Hancock County, IL
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Bentonsport, IA	Van Buren County, IA
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Button Mole Knob, KY	Bullitt County, KY
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Clark County, MO	Clark County, MO
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Greene County, IL	Greene County, IL
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Keokuk, IA	Lee County, IA
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Kings Mountain, KY	Lincoln County, KY
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Lagrange, MO	Clark County, MO
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Nauvoo, IL	Hancock County, IL
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Plymouth, IL	Hancock County, IL
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Somerset, KY	Pulaski County, KY
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	St. Francisville, MO	Clark County, MO
<i>Worthenopora</i>	<i>spinosa</i>	Keokuk	Warsaw, IL	Hancock County, IL
<i>Worthenopora</i>	<i>spinosa</i>	Warsaw	Warsaw, IL	Hancock County, IL
<i>Yunnanopora</i>	<i>zhanyiensis</i>	Namurian	Zhanyi	Yunnan, China

APPENDIX B

APPENDIX B. Table 5. Table of References for Occurrences Database (see Appendix A)

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APPENDIX C

APPENDIX C. Table 6. Presence/Absence Data Matrix used for PAE, PGCA, DCA, and PCO.

		<i>Actinotrypa</i>	<i>Goniocladia</i>	<i>Mediapora</i>	<i>Triznotrypa</i>	<i>Lyropora</i>	<i>Ascopora</i>	<i>Coscinium</i>	<i>Hexites</i>	<i>Bactropora</i>
1	Theoretical Outgroup	0	0	0	0	0	0	0	0	0
2	Ohio/Michigan, Waverly	0	0	0	0	0	0	0	0	0
3	Arizona, Chester	0	0	0	0	0	0	0	0	0
4	Iowa/Illinois, Burlington	0	0	0	0	0	0	1	0	0
5	Volgograd Oblast, Russia	0	0	1	0	0	1	0	1	0
6	QLD/NSW, AU, Lower Carboniferous	0	1	0	0	0	0	0	0	0
7	Alabama, Bangor	0	0	0	0	0	1	0	0	0
8	Rostov Oblast, Russia, Visean	0	0	0	0	0	1	0	1	0
9	Ireland, Glencar	0	0	0	0	0	0	0	1	0
10	KY/IL/TN, St. Louis	0	0	0	0	0	0	0	0	0
11	Turkestan, Lower Carboniferous	0	1	0	0	0	0	0	0	0
12	Illinois/Indiana/Missouri, Warsaw	0	0	0	0	0	0	0	0	0
13	Russian Platform, Visean	0	0	0	1	0	1	0	1	0
14	Siberian Russia, Tournaisian	0	0	1	1	0	0	0	0	0
15	Japan, Visean	0	1	0	0	0	0	0	0	0
16	Illinois/Missouri, Warsaw	0	0	0	0	0	0	1	0	0
17	Arkansas, Pitkin	0	0	0	0	1	0	0	0	0
18	Illinois Basin, Chester	0	0	0	0	1	0	0	0	0
19	Kazakhstan, Lower Carboniferous	0	0	0	0	0	0	0	0	0
20	Indiana, Glen Dean	0	0	0	0	0	0	0	0	0
21	Missouri, St. Louis	0	0	0	0	0	0	1	0	0
22	Siberian Russia, Visean	0	0	1	1	0	0	0	0	0
23	Kentucky/Illinois, Keokuk	0	0	0	0	0	0	0	0	1
24	Missouri, Keokuk	1	0	0	0	0	0	0	0	1
25	Kentucky/Alabama/Ohio/Illinois, Chester	0	0	0	0	1	0	0	0	0
26	Iowa, Keokuk	1	0	0	0	0	0	0	0	1
27	Illinois, Keokuk	1	0	0	0	0	0	1	0	1
28	Total Number of Genera Present	3	3	3	3	3	4	4	4	4

APPENDIX C, Table 6, cont'd

	<i>Intrapora</i>	<i>Cheilotrypa</i>	<i>Dyscritella</i>	<i>Fenestralia</i>	<i>Rhombocladia</i>	<i>Taeniodictya</i>	<i>Nikiforovella</i>	<i>Streblotrypella</i>	<i>Cyclopore</i>	<i>Evactinopora</i>	<i>Anisotrypa</i>	<i>Nematopora</i>	<i>Penniretepora</i>	<i>Worthenopora</i>	<i>Coeloconus</i>	<i>Eridopora</i>	<i>Prismopora</i>
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
4	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
5	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
7	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	1	1
8	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
9	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0
10	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0
13	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
14	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0
15	0	1	1	0	0	0	0	1	0	0	0	1	1	0	0	0	0
16	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0
17	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1
19	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
21	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
22	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	1	0
23	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0
24	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1
25	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
26	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	1
27	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	1
28	4	3	3	4	4	5	5	4	6	6	5	6	5	7	7	6	7

APPENDIX C, Table 6, cont'd

	<i>Dichotrypa</i>	<i>Acanthocladia</i>	<i>Sulcoretepora</i>	<i>Strotopora</i>	<i>Reteporina</i>	<i>Pinnatopora</i>	<i>Thamniscus</i>	<i>Hemitrypa</i>	<i>Septopora</i>	<i>Rhabdomeson</i>	<i>Glyptopora</i>	<i>Batostomella</i>	<i>Cystodictya</i>	<i>Archimedes</i>	<i>Tabulipora</i>
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0
3	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1
4	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0
5	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0
6	1	0	0	0	0	0	0	1	0	1	0	1	0	1	0
7	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1
8	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0
9	0	0	1	0	0	0	1	0	0	1	0	0	0	0	1
10	1	0	0	1	1	0	0	1	0	0	0	0	1	0	0
11	1	0	0	0	0	1	1	1	1	1	0	1	1	0	0
12	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0
13	0	0	1	0	0	0	0	0	1	1	0	1	0	0	1
14	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1
15	0	1	1	0	0	0	0	0	0	1	0	0	0	0	1
16	0	0	0	0	1	0	0	1	0	0	1	0	0	1	0
17	1	0	0	0	0	0	0	0	1	0	1	1	0	1	1
18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
19	1	0	1	0	0	1	0	1	1	0	0	1	0	0	1
20	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1
21	1	0	0	1	1	0	0	1	0	0	1	0	1	0	0
22	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1
23	0	1	0	1	1	1	1	0	0	0	1	0	1	1	0
24	0	1	0	1	1	1	1	0	0	0	1	0	1	1	0
25	1	1	0	0	0	0	1	0	1	0	1	1	0	1	1
26	0	1	0	1	1	1	1	1	0	0	1	0	1	1	0
27	0	1	0	1	1	1	1	1	0	0	1	0	1	1	0
28	7	7	8	8	8	9	8	10	9	9	11	11	11	12	11

APPENDIX C, Table 6, cont'd

	<i>Ptylopora</i>	<i>Streblotrypa</i>	<i>Stenopora</i>	<i>Meekopora</i>	<i>Leioclema</i>	<i>Rhombopora</i>	<i>Fistulipora</i>	<i>Fenestella</i>	<i>Polypora</i>	Total Count of Unique Genera
1	0	0	0	0	0	0	0	0	0	0
2	1	1	0	0	1	1	0	1	1	11
3	0	1	0	0	0	1	0	1	1	12
4	1	0	0	1	1	1	0	1	1	12
5	0	0	0	0	0	0	1	1	1	12
6	1	1	0	0	1	0	1	0	1	13
7	0	1	0	0	0	1	1	0	0	13
8	0	0	1	0	0	1	1	1	1	13
9	0	1	0	0	1	1	1	0	1	13
10	0	0	1	1	1	1	1	1	0	14
11	1	0	0	0	1	0	1	1	1	14
12	1	0	1	1	1	0	1	1	1	14
13	0	0	0	0	0	1	1	1	1	14
14	0	0	1	1	0	1	1	1	1	15
15	0	0	0	1	1	1	1	1	1	16
16	1	0	1	1	1	0	1	1	1	16
17	0	0	1	1	0	1	1	1	1	16
18	0	0	0	1	1	1	1	1	1	16
19	1	1	1	0	0	1	1	1	1	17
20	0	1	1	1	1	1	1	1	1	17
21	1	0	1	1	1	1	1	1	1	17
22	0	1	1	1	0	1	1	1	1	18
23	1	1	1	1	1	1	1	1	1	21
24	1	1	1	1	1	1	1	1	1	23
25	0	1	1	1	1	1	1	1	1	23
26	1	1	1	1	1	1	1	1	1	25
27	1	1	1	1	1	1	1	1	1	26
28	12	13	15	16	17	21	23	23	24	

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