26. SHORE LABORATORY REPORT ON MESOZOIC FORAMINIFERIDA, LEG 17

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165A-17-1, 120-122 cm

Rugoglobigerina rugosa (Plummer)
Rugotruncana subcircumnodifer ?(Gandolfi)
Globotruncana arca (Cushman)
Globotruncana stephensoni Pessagno
Heterohelix globulosa (Ehrenberg)
Globotruncana lapparenti (Brotzen)
Globotruncana elevata (Brotzen)
Globotruncana stuartiformis Dalbiez

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-zone, *G. elevata* Subzone to *R. subcircumnodifer* Subzone; late Campanian to early Maastrichtian, sparse fauna.

167-50-1, 80-82 cm

Globotruncana fornicata (Plummer)
Globotruncana subspinosus Pessagno
Globotruncanella havanensis (Voorwijk)
Globigerinelloides volutus (White)
Heterohelix globulosus (Ehrenberg)
Heterohelix sp.

Biostratigraphic determination: *G. fornicata-stuartiformis* Zone: *G. elevata*-*R. subcircumnodifer* Subzone, late Campanian-early Maastrichtian.

167-16-6

Globotruncana hilli Pessagno
Heterohelix globulosus (Ehrenberg)
Globigerinelloides sp. cf. *prairiehillensis* Pessagno
Globotruncanella sp.

Biostratigraphic determination: Same as above.

167-42-1, 143-145 cm

Globotruncana plummerae Gandolfi
Globotruncana bulloides (Vogler)
Globotruncana stephensoni Pessagno
Globotruncana elevata (Brotzen)
Globotruncana nothi Bronnimann and Brown
Globotruncana stuartiformis Dalbiez
Globotruncana fornicata (Plummer)
Pseudoguembelina costulata (Cushman)

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, *G. elevata* Subzone (*G. calcarata* Zonule) to *R. subcircumnodifer* Subzone; late Campanian to early Maastrichtian.

167-42-4, 40-42 cm

Globotruncana arca (Cushman)
Globotruncana elevata (Brotzen)
Rugoglobigerina rugosa Plummer
Rugotruncana subcircumnodifer (Gandolfi)
Globigerinelloides prairiehillensis Pessagno
Globigerinelloides globulosus (Ehrenberg)
Pseudoguembelina costulata (Cushman)
Heterohelix punctulatus (Cushman)
Globotruncana fornicata (Plummer)
Globotruncana hilli Pessagno
Pseudotextularia elegans (Rzehak)
Globotruncana stuartiformis (Dalbiez)
Globotruncana sp. cf. *Globotruncana nothi* (Bronnimann and Brown)
Globotruncana plummerae Gandolfi

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-zone, *G. elevata* Subzone to *R. subcircumnodifer* Subzone; late Campanian to early Maastrichtian.

167-43-2, 10-12 cm

Quaternary contaminants (Very abundant)
Globotruncana arabica El-Naggar
Globotruncana fornicata Plummer
Globotruncana linneiana (d'Orbigny)
Globotruncana hilli Pessagno
Globotruncana plummerae Gandolfi
Globotruncana gansseri Bolli (rare)
Globotruncana aegyptiaca Nakkady
Globotruncana elevata Brotzen
Globotruncana stuartiformis Dalbiez
Globigerinelloides prairiehillensis Pessagno
Rugoglobigerina rugosa Plummer
Rugoglobigerina scotti (Bronnimann)
Rugoglobigerina hexacamerata Bronnimann
Pseudoguembelina costulata (Cushman)
Globotruncanella mattsoni (Pessagno)

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, *R. subcircumnodifer* (*R. subpennnyi* Zonule); early Maastrichtian.

167-54-1, 126-128 cm

Globotruncana fornicata Plummer
Globotruncana lapparenti (Brotzen)
Globotruncana stuartiformis Dalbiez
Quaternary planktonic foraminifera (very abundant)

Biostratigraphic determination: *Globotruncana fornicata-stuartiformis* Assemblage-Zone.

167-44-1

Rugoglobigerina sp.

171-9-3, 80-82 cm

Rugoglobigerina rotundata (Bronnimann)
Heterohelix globulosus (Ehrenberg)
Heterohelix sp.
Pseudoguembelina excolata (Cushman)
Tertiary foraminifera

Biostratigraphic determination: *G. contusa-stuartiformis* Assemblage-Zone; late Maastrichtian.

171-10-4, 30-32 cm

Abathomphalus intermedius (Bolli)
Rugoglobigerina sp. cf. *R. rotundata* Bronnimann
Rugoglobigerina rugosa (Plummer)
Globotruncanella monmouthensis (Olsson)
Heterohelix globulosus (Ehrenberg)
Heterohelix sp.
Pseudoguembelina sp.
Globotruncana elevata (Brotzen)

Biostratigraphic determination: *G. contusa-stuartiformis* Assemblage-Zone, *Abathomphalus mayaroensis* Subzone; late Maastrichtian.

171-10-5, 30-32 cm

Globotruncanella havanensis (Voorwijk)
Rugoglobigerina scotti (Bronnimann)
Rugoglobigerina rugosa (Plummer)
Pseudoguembelina excolata (Cushman)

Biostratigraphic determination: *G. contusa-stuartiformis* Assemblage-Zone, *A. mayaroensis* Subzone; late Maastrichtian via superposition.

171-11-4, 30-32 cm

Rugoglobigerina hexacamarata Bronnimann
Rugoglobigerina rugosa (Plummer)
Globotruncanella havanensis (Voorwijk)
Pseudoguembelina excolata (Cushman)
Pseudoguembelina costulata (Cushman)

Biostratigraphic determination: Same as above.

171-11-5, 30-32 cm

Abathomphalus intermedius (Bolli)
Globotruncana gansseri (Bolli)
Globotruncana aegyptiaca Nakkady
Globotruncana contusa (Cushman)
Globotruncana arca (Cushman)
Rugoglobigerina rugosa (Plummer)
Rugoglobigerina sp.

Heterohelix globulosus (Ehrenberg)
Heterohelix punctulatus (Cushman)
Heterohelix striatus (Ehrenberg)
Pseudoguembelina costulata (Cushman)
Pseudoguembelina excolata (Cushman)

Biostratigraphic determination: *G. contusa-stuartiformis* Assemblage-Zone, *G. gansseri* Subzone; late Maastrichtian.

171-13-5, 30-32 cm

Globotruncanella havanensis (Voorwijk)
Globotruncanella monmouthensis (Olsson)
Rugoglobigerina macrocephala Bronnimann
Globotruncana fornicata Plummer
Globotruncana arca (Cushman)
Globotruncana trinidadensis Gandolfi
Globotruncana stephensoni Pessagno
Globotruncana elevata Brotzen
Globotruncana bulloides (Vogler)
Globotruncana hilli Pessagno
Globotruncana trinidadensis Gandolfi
Globigerinelloides yaucensis (Pessagno)
Globotruncana prairiehillensis Pessagno
Heterohelix punctulatus (Cushman)
Pseudoguembelina excolata (Cushman)
Rugoglobigerina rugosa (Plummer)
Rugoglobigerina sp.

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, *R. subcircumnodifer* Subzone, top of *R. subpennyi* Zonule.

171-15-1-3-4-5, 30-32 cm

Globotruncana stephensoni Pessagno
Globotruncana arca (Cushman)
Globotruncana stuartiformis Dalbiez
Rugoglobigerina rugosa (Plummer)
Globotruncanella cf. *G. havanensis* (Voorwijk)
Heterohelix punctulatus Cushman

Biostratigraphic determination: Same as above via superposition.

171-16-1-3-4-5, 40-42 cm

Globotruncanella havanensis (Voorwijk)
Globotruncana stephensoni Pessagno
Globotruncana arca (Cushman)
Globotruncana rosetta (Carsey)
Globotruncana elevata (Brotzen)
Rugoglobigerina rugosa (Plummer)
Globotruncana sp.
Globigerinelloides subcarinatus (Bronnimann)
Heterohelix punctulatus (Cushman)
Heterohelix striatus (Ehrenberg)
Pseudoguembelina costulata (Cushman)

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, *R. subpennyi* Subzone, early Maastrichtian.

171-16-5, 30-32 cm

Globotruncana arca (Cushman)
Globotruncana fornicata Plummer
Globotruncana bulloides (Vogler)
Globotruncana stuartiformis Dalbiez
Globotruncana elevata (Brotzen)
Globotruncana nothi Bronnimann and Brown
Rugotruncana subcircumnodifer (Gandolfi)
Rugotruncana subpennnyi Bronnimann
Globotruncana stephensoni Pessagno

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, *R. subcircumnodifer* Subzone, *R. subpennnyi* Zonule.

171-17-2, 30-32 cm

Globotruncana gansseri Bolli
Globotruncana lapparenti (Brotzen)
Globotruncana elevata (Brotzen)
Globotruncana plummerae Gandolfi
Globotruncana arca (Cushman)
Globotruncana stephensoni Pessagno
Globotruncana rosetta (Carsey)
Heterohelix punctulatus (Cushman)
Pseudoguembelina excolata (Cushman)
Pseudoguembelina costulata (Cushman)
Rugoglobigerina rugosa (Plummer)
Rugoglobigerina sp.
Rugotruncana subpennnyi (Gandolfi)
Globigerinelloides prairiehillensis Pessagno
Globigerinelloides sp. cf. *Globigerinelloides subcarinatus* (Bronnimann)
Globotruncanella havanensis (Voowijk)

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, *R. subcircumnodifer* Subzone, top of *R. subpennnyi* Zonule, early Maastrichtian

171-17-3, 30-32 cm

Globotruncana gansseri Bolli
Globotruncana aegyptiaca Nakkady
Globotruncana fornicata Plummer
Globotruncana stuartiformis Dalbiez
Globotruncana elevata Brotzen
Globotruncana stephensoni Pessagno
Globotruncana arca (Cushman)
Globotruncana bulloides (Vogler)
Rugotruncana subpennnyi (Gandolfi)
Rugotruncana subcircumnodifer (Gandolfi)
Pseudoguembelina excolata (Cushman)
Heterohelix punctulatus (Cushman)
Heterohelix sp.

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, top of *R. subcircumnodifer* Subzone, top of *R. subpennnyi* Zonule.

171-17-4, 50-52 cm

Globotruncanella havanensis (Voorwijk)
Globotruncana gansseri Bolli

Globotruncana aegyptiaca Nakkady
Globotruncana stephensoni Pessagno
Globotruncana elevata Brotzen
Globotruncana stuartiformis Dalbiez
Globotruncana plummerae Gandolfi
Globotruncana fornicata Cushman
Rugotruncana subcircumnodifer (Gandolfi)
Globotruncana lapparenti (Brotzen)
Globigerinelloides prairiehillensis Pessagno
Globigerinelloides yaucoensis (Pessagno)
Pseudoguembelina costulata (Cushman)
Heterohelix punctulatus (Cushman)

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, top of *R. subcircumnodifer* Subzone, top of *R. subpennnyi* Zonule.

171-17-5, 30-32 cm

Globotruncana fornicata Plummer
Globotruncana aegyptiaca Nakkady
Globotruncana plummerae Gandolfi
Globotruncana gansseri Bolli
Globotruncana elevata (Brotzen)
Globotruncana stuartiformis Dalbiez
Globotruncana lapparenti Brotzen
Heterohelix punctulatus (Cushman)

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, top of *R. subcircumnodifer* Subzone, top of *R. subpennnyi* Zonule.

171-17-6, 30-32 cm

Globotruncana aegyptiaca Nakkady
Globotruncana plummerae Gandolfi
Globotruncana contusa (Cushman)
Globotruncana arca (Cushman)
Globotruncana stephensoni Pessagno
Globotruncana fornicata Plummer
Globotruncana stuartiformis Dalbiez
Globotruncana elevata Brotzen
Rugotruncana cf. *subpennnyi* (Gandolfi)
Rugoglobigerina rugosa (Plummer)
Globigerinelloides prairiehillensis Pessagno
Globigerinelloides sp. cf. *Globigerinelloides subcarinatus*
Globigerinelloides sp.
Heterohelix punctulatus (Cushman)
Heterohelix sp.

Biostratigraphic determination: *G. fornicata-stuartiformis*, top of *R. subcircumnodifer* Subzone, *R. subpennnyi* Zonule.

171-19-1, 30-32 cm

Globotruncana fornicata Plummer
Globotruncana aegyptiaca Nakkady
Globotruncana gansseri Bolli
Globotruncana elevata (Brotzen)
Globotruncana linneiana (d'Orbigny)
Globotruncana arca (Cushman)
Globotruncana rosetta (Carsey)
Globotruncana stephensoni Pessagno

Heterohelix punctulatus (Cushman)
Heterohelix sp.
Rugoglobigerina macrocephala Bronnimann

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, top of *R. subcircumnodifer* Subzone, top of *R. subpennyi* Zonule, early Mastrichtian.

171-19-3, 30-32 cm

Globotruncanella havanensis (Voorwijk)
Globotruncana petaloidea (Gandolfi)
Globotruncana mattsioni (Pessagno)
Globotruncana sp.
Globotruncana arca (Cushman)
Globotruncana stephensoni Pessagno
Globotruncana plummerae Gandolfi
Globotruncana linneiana (d'Orbigny)
Globotruncana rosetta (Carsey)
Globotruncana elevata (Brotzen)
Pseudoguembelina sp. cf. *R. costulata* (Cushman)
Heterohelix striatus (Ehrenberg)
Heterohelix punctulatus (Cushman)
Heterohelix cf. *pulchra* (Brotzen)

Biostratigraphic determination: *G. fornicata-stuartiformis* Assemblage-Zone, *R. subcircumnodifer* Subzone, top of *R. subpennyi* Zonule

171-22-2, 30-32 cm

Globotruncana (?) *fornicata* Plummer
Marginotruncana angusticarenata Gandolfi
Marginotruncana coronata (Bolli)
Marginotruncana renzi (Gandolfi)
Whiteinella archaeocretacea Pessagno
Heterohelix reussi (Cushman)

Biostratigraphic determination: *Marginotruncana concavata* Subzone, early Santonian.

171-23-4, 62-64 cm

Marginotruncana renzi (Gandolfi)
Marginotruncana coronata (Bolli)
Marginotruncana angusticarenata (Gandolfi)
Marginotruncana marginata (Reiss)
Whiteinella archaeocretacea Pessagno
Marginotruncana imbricata (Mornod)
Marginotruncana diffformis (Gandolfi)
Heterohelix reussi (Cushman)

Biostratigraphic determination: *Marginotruncana renzi* Assemblage-Zone, "Coniacian."

171-23-5, 30-32 cm

Marginotruncana indica (Jacob and Sastry)
Marginotruncana coronata (Bolli)

Marginotruncana angusticamerata (Gandolfi)
Marginotruncana renzi (Gandolfi)
Whiteinella archaeocretacea Pessagno
Heterohelix reussi (Cushman)

Biostratigraphic determination: *Marginotruncana renzi* Assemblage-Zone, "Coniacian."

171-24-1, 48-50 cm

Marginotruncana diffformis (Gandolfi)
Marginotruncana coronata (Bolli)
Marginotruncana renzi (Gandolfi)
Whiteinella archaeocretacea Pessagno

Biostratigraphic determination: *M. renzi* Assemblage-Zone, Coniacian.

171-25-3-4-5

Marginotruncana renzi (Gandolfi)
Marginotruncana coronata (Bolli)
Marginotruncana canaliculata (Reuss)
Marginotruncana diffformis (Gandolfi)
Marginotruncana indica (Jacob and Sastry)
Whiteinella archaeocretacea Pessagno
Heterohelix sp.

Biostratigraphic determination: *Marginotruncana renzi* Assemblage-Zone, Coniacian.

171-26-1, 97-98 cm

Marginotruncana renzi (Gandolfi)
Marginotruncana helvetica (Bolli)
Marginotruncana coronata (Bolli)
Marginotruncana angusticarenata (Gandolfi)
Marginotruncana sigali (Reichel)
Marginotruncana indica Jacob and Sastry)
Marginotruncana canaliculata (Reuss)
Whiteinella archaeocretacea Pessagno
Heterohelix reussi (Cushman)

Biostratigraphic determination: *Marginotruncana helvetica* Assemblage-Zone, *Whiteinella archaeocretacea* Subzone; late Turonian.

171-26-2, 30-32 cm

Marginotruncana sigali (Reichel)
Marginotruncana angusticarenata (Gandolfi)
Marginotruncana canaliculata (Reuss)
Marginotruncana diffformis (Gandolfi)

Biostratigraphic determination: *Marginotruncana helvetica* Assemblage-Zone, *Whiteinella archaeocretacea* Subzone, late Turonian.