

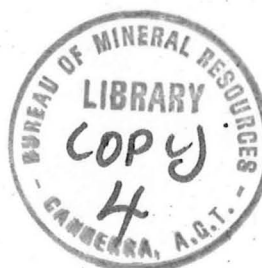
1974/172

DEPARTMENT OF
MINERALS AND ENERGY



BUREAU OF MINERAL RESOURCES,
GEOLOGY AND GEOPHYSICS

Record 1974/172



**ESCAP FOSSIL REFERENCE COLLECTION (AUSTRALIAN
REPOSITORY): SPECIMENS RECEIVED TO 31 OCTOBER,
1974**

by

D.J. Belford

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INTRODUCTION

The suggestion that a central repository be established in the ESCAP (originally ECAFE) Region for topotype material of the more important index fossils was first made by a Special Working Group on Stratigraphic Correlation between the Sedimentary Basins of the ESCAP Region in Tokyo, 1965 (ECAFE, 1969). A meeting was convened of a Second Special Working Group in Canberra, 1969 (ECAFE, 1970). One of the recommendations from this meeting to the ESCAP secretariat was that the secretariat explore the possibility of setting up repositories of topotype material of regionally important index fossils in Australia, Japan, and India. This recommendation was accepted at the inaugural meeting on Stratigraphic Correlation between Sedimentary Basins of the ESCAP Region held in Bangkok on 24-30 July 1974. At this meeting a Regional Committee was formed to replace the previous Working Groups, and D.J. Belford was nominated as Australian representative.

Organizations in Australia and New Zealand were contacted concerning the establishment of the fossil reference collection, and the response was generally favourable. Establishment of the collection has begun, and this Record lists foraminiferal species held to 31 October 1974. In addition to these, two hundred thin sections illustrating the Oligocene/Miocene foraminiferal fauna in the Christmas Island limestones, and molds and casts of brachiopods from the collection of the Department of Geology, University of New England, are held, but have not been fully catalogued. These will be included in a supplementary list, and it is planned to issue these supplementary lists at intervals as material is received. All specimens deposited in the collection are available for loan, on request.

All those in favour of the establishment of a collection of this kind are urged to deposit material. The scope of the collection has been widened to include not only topotypes but also representative specimens of fossil species occurring in the region. Palynological and nannofossil preparations would best be in the form of smear mounts; in the case of macrofossils, rubber molds and plaster or silicone casts would be as useful as specimens for comparative purposes. Material may be sent to the Director, Bureau of Mineral Resources, Attention D.J. Belford, P.O. Box 378, Canberra City, A.C.T., 2601.

REFERENCES

ECAFE, 1969. Stratigraphic correlation between sedimentary basins of the ECAFE Region. Mineral Resources Development Series 30. United Nations, New York.

ECAFE, 1970. Stratigraphic correlation between sedimentary basins of the ECAFE Region (second volume). Mineral Resources Development Series 36. United Nations, New York.

LIST OF SPECIES DEPOSITED TO 31 OCTOBER, 1974

SPECIES	PRESENTED BY	LOCALITY
<u>Cassigerinella chipolensis</u> Cushman & Ponton	BMR Collection	Cipero Fm, (Paradise Member) Pt. Bontour, Trinidad.
<u>Chiloguembelina morsei</u> Kline	ex Parr Collection	Plummer Station 84, 4 miles E of Corsicana, Texas, USA
<u>Globigerina ampliapertura</u> Bolli	BMR Collection	Cipero Formation, Point Bontour, San Fernando, Trinidad
<u>Globigerina ampliapertura</u> Bolli	BMR Collection	Cipero Fm, (Basal Member) Pt Bontour, Trinidad
<u>Globigerina angustiumbilicata</u> Bolli	BMR Collection	Cipero Fm, (Paradise Member) Pt Bontour, Trinidad
<u>Globigerina angulisuturalis</u> Bolli	BMR Collection	Cipero Fm, (Paradise Member) Pt Bontour, Trinidad
<u>Globigerina bulloides bulloides</u> d'Orbigny	BMR Collection	east of Moie, Josefstaal Subdistrict, Bogia district, Papua New Guinea
<u>Globigerina ciperoensis</u> ciperoensis Bolli	BMR Collection	Cipero Fm., (Paradise Member) Pt Bontour, Trinidad
<u>Globigerina galavis</u> Bermudez	BMR Collection	Cipero Fm., (Paradise Member) Pt Bontour, Trinidad
<u>Globigerina nepenthes</u> Todd	BMR Collection	Lengua Beds; near 1½ mile post Mandingo Rd, Trinidad
<u>Globigerina ouachitaensis</u> ciperoensis Bolli	BMR Collection	" "
<u>Globigerina parva</u> Bolli	BMR Collection	Cipero Fm, (Basal Member) Pt. Bontour, Trinidad
<u>Globigerina praebulloides</u> praebulloides Blow	BMR Collection	Cipero Fm, (Paradise Member) Pt Bontour, Trinidad
<u>Globigerina sastrii</u> Raju	BMR Collection	Iraga Valley, Nassau Range, Irian Jaya
<u>Globigerina selli</u> (Borsetti)	BMR Collection	Iraga Valley, Nassau Range, Irian Jaya
<u>Globigerina tripartita</u> Koch	BMR Collection	Iraga Valley, Nassau Range, Irian Jaya
<u>Globigerina venezuelana</u> Hedberg	BMR Collection	Cipero Fm, (Paradise Member) Pt Bontour, Trinidad
<u>Globigerina venezuelana</u> Hedberg	BMR Collection	Lengua Beds, 1½ mile post Mandingo Rd., Trinidad
<u>Globigerapsis seminvoluta</u> (Ketjzer)	BMR Collection	Hospital Hill Marl, San Fernando Form- ation, Hospital Hill, San Fernando, Trinidad.
<u>Globigerapsis seminvoluta</u> (Ketjzer)	BMR Collection	Vistabella limestone, San Fernando Formation Vistabella Quarry, Mt Moriah, San Fernando, Trinidad

SPECIES	PRESENTED BY	LOCALITY
<u>Globigerapsis kugleri</u> Bolli, Loeblich & Tappan	BMR Collection	"Fitt Trace Marl" Navet Formation, Rio-Clarobiche road, near Fitt Trace, Trinidad
<u>Globigerinatella insueta</u> Cushman & Stainforth	BMR Collection	Cipero Fm., (Cacatro Member) Pt Bontour, Trinidad
<u>Globigerinatella insueta</u> Cushman & Stainforth	BMR Collection	Esmeralda member (lower zone), Brasso Formation, Esmeralda Road, Trinidad
<u>Globigerinatella insueta</u> Cushman & Stainforth	BMR Collection	Cipero Formation, Cipero Coast Section, South of San Fernando, Trinidad
<u>Globigerinita dissimilis</u> <u>ciperonensis</u> Blow & Banner	BMR Collection	Cipero Fm., (Paradise Member) Pt Bontour, Trinidad
<u>Globigerinita dissimilis</u> <u>dissimilis</u> Cushman & Bermudez	BMR Collection	Cipero Fm., (Paradise Member) Pt Bontour, Trinidad
<u>Globigerinita dissimilis</u> (Cushman & Bermudez)	BMR Collection	Iraga Valley, Nassau Range, Irian Jaya
<u>Globigerinita Incrusta</u> Akers	BMR Collection	Pagansop village, NNE of Josefstaal, Lower Ramu-Atitau area, Papua New Guinea
<u>Globigerinita unicava</u> <u>unicava</u> Bolli, Loeblich & Tappan	BMR Collection	Cipero Fm., (Paradise Member) Pt Bontour, Trinidad
<u>Globigerinoides conglobatus</u> <u>conglobatus</u> (Brady)	BMR Collection	Kisila Village, east of Josefstaal, Lower Ramu-Atitau area, Papua New Guinea
<u>Globigerinoides diminutus</u> Bolli	BMR Collection	Cipero Fm., (Cacatro Member) Pt Bontour, Trinidad
<u>Globigerinoides obliquus</u> <u>obliquus</u> Bolli	BMR Collection	Lower Savorro, Eastern Falcon Venezuela
<u>Globigerinoides quadrilobatus</u> <u>fistulosus</u> (Schubert)	BMR Collection	Nagam River on Mapriu to Wewak road Papua New Guinea
<u>Globigerinoides quadrilobatus</u> <u>fistulosus</u> (Schubert)	BMR Collection	Nagam River, west of Periana village, Wewak subdistrict, Sepik district, Papua New Guinea
<u>Globigerinoides quadrilobatus</u> <u>hystricosus</u> Belford	BMR Collection (Topotypes)	Nagam River, west of Periana Village, Wewak subdistrict, Sepik district, Papua New Guinea
<u>Globigerinoides quadrilobatus</u> <u>immaturus</u> Le Roy	BMR Collection	Lengua Beds; 1½ mile post Mandingo Rd., Trinidad
<u>Globigerinoides quadrilobatus</u> <u>primordius</u> Blow & Banner	BMR Collection	Cipero Fm., Pointe-a-Pierre, Mosquito Ck, Trinidad
<u>Globigerinoides quadrilobatus</u> <u>sacculifer</u> Brady	BMR Collection	Lengua Beds, near 1½ mile post Mandingo Rd., Trinidad
<u>Globigerinoides quadrilobatus</u> <u>sacculifer</u> (Brady)	BMR Collection	East of Atemble, lower Ramu-Atitau area, Papua New Guinea

SPECIES	PRESENTED BY	LOCALITY
<u>Globigerinoides quadrilobatus trilobus</u> Reuss	BMR Collection	Lengua Beds; near 1½ mile post, Mandingo Rd., Trinidad
<u>Globigerinoides sicanus sicanus</u> de Stefani	BMR Collection	Cipero Fm., (Cacatro Member), Pt Bontour, Trinidad
<u>Glabigerinoides sicanus</u> de Stefani	Miss Ruth Todd (Topotypes)	1.6 miles N.E. of the seaward tip of the southwest point of Saipan
<u>Globigerinoides subquadratus</u> Bronnimann	Miss Ruth Todd (Topotypes)	" "
<u>Globigerinoides subquadratus</u> Bronnimann	BMR Collection	St Croix Beds; Old St. Croix Quarry, Trinidad
<u>Globigerinoides subquadratus</u> Bronnimann	BMR Collection	Cipero Fm, (Cacatro Member) Pt Bontour, Trinidad
<u>Globoquadrina altispira altispira</u> Cushman & Jarvis	BMR Collection	Lengua Beds; near 1½ mile post Mandingo Rd, Trinidad
<u>Globoquadrina altispira altispira</u> Cushman & Jarvis	BMR Collection	Cipero Fm, (Cacatro Member) Pt Bontour, Trinidad
<u>Globoquadrina dehiscens advena</u> Bermudez	BMR Collection	Cipero Fm, (Cacatro Member) Pt Bontour, Trinidad
<u>Globoquadrina dehiscens advena</u> Bermudez	BMR Collection	Lengua Beds; near 1½ mile post Mandingo Rd, Trinidad
<u>Globoquadrina dehiscens dehiscens</u> Chapman, Parr & Collins	BMR Collection	Lengua Formation, near 1½ mile post, Mandingo Road, Trinidad
<u>Globorotalia (G) cultrata menardii</u> Parker, Jones & Brady	BMR Collection	Lengua Beds; near 1½ mile post Mandingo Rd., Trinidad
<u>Globorotalia (G) fohsi lobata</u> Bermudez	M. Owen	Cipero Fm., Trinidad
<u>Globorotalia (Globorotalia) miozea miozea</u> Finlay	D.G. Jenkins (Topotypes)	Eason's Hill, Greymouth, New Zealand
<u>Globorotalia (G) scitula scitula</u> Brady	BMR Collection	Lengua Beds; near 1½ mile post Mandingo Rd., Trinidad
<u>Globorotalia (G) tumida flexuosa</u> Koch	BMR Collection	New Hanover Is, Papua New Guinea
<u>Globorotalia (Globorotalia) tumida tumida</u> (Brady)	BMR Collection	Nagam River, west of Perlama Village Wewak Subdistrict, Sepik district, Papua New Guinea
<u>Globorotalia (T) acostaensis acostaensis</u> Blow	BMR Collection	Lower Socarro, Eastern Falcon Venezuela
<u>Globorotalia (Turborotalia) acostaensis pseudopima</u> Blow	BMR Collection	New Hanover Is., Papua New Guinea
<u>Globorotalia archeomenardii</u> Bolli	BMR Collection	Cipero Fm, (Cacatro Member) Pt Bontour, Trinidad
<u>Globorotalia (Turborotalia) birnageae</u> Blow	BMR Collection	Cipero Formation (Cacatro Member) Point Bontour, Trinidad

SPECIES	PRESENTED BY	LOCALITY
<u>Globorotalia (Turborotalia) centralis</u> Cushman & Bermudez	BMR Collection	"Fitt Trace Marl" Navet Formation Rio Claro-Biche road, near Fitt Trace, Trinidad
"	"	Vistabella limestone, San Fernando Formation, Vistabella Quarry, Mt Moriah, San Fernando, Trinidad
<u>Globorotalia (Turborotalia) crassaformis crassaformis</u> (Galloway & Wissler)	BMR Collection	Pagansop village, NNE of Josefstaal, Lower Ramu-Atitau area, Papua New Guinea
<u>Globorotalia (T) kugleri</u> Bolli	BMR Collection	Cipero Fm, Pointe-a-Pierre Mosquito Ck, Trinidad
<u>Globorotalia(T) mayeri</u> <u>mayeri</u> Cushman & Ellison	BMR Collection	St Croix Beds; Old St Croix Quarry, Trinidad
<u>Globorotalia (T) mayeri</u> Cushman & Ellison	BMR Collection	Cipero Fm, (Cacatro Member) Pt Bontour, Trinidad
<u>Globorotalia(T) obesa</u> Bolli	BMR Collection	Cipero Fm, (Cacatro Member) Pt Bontour, Trinidad
<u>Globorotalia (Turborotalia) obesa</u> Bolli	BMR Collection	Cipero Formation, Cipero Coast Section, south of San Fernando, Trinidad
<u>Globorotalia (Turborotalia) obesa</u> Bolli	BMR Collection	Lengua Beds; 1½ mile post Mandingo Rd, Trinidad
<u>Globorotalia (Turborotalia) opima nana</u> Bolli	BMR Collection	Cipero Fm, (Paradise Member) Pt Bontour, Trinidad
<u>Globorotalia (Turborotalia) opima nana</u> Bolli	BMR Collection	Iraga Valley, Nassau Range, Irian Jaya
<u>Globorotalia (Turborotalia) opima opima</u> Bolli	BMR Collection	Cipero Fm, (Paradise Member) Pt Bontour, Trinidad
<u>Globorotalia (Turborotalia) peripheroacuta</u> Blow & Banner	BMR Collection	Jusepin, Venezuela
<u>Globorotalia (Turborotalia) peripheroronda</u> Blow & Banner	BMR Collection	Cipero Fm, (Cacatro Member) Pt Bontour, Trinidad
<u>Globorotalia (Turborotalia) siakensis</u> Le Roy	BMR Collection	Esmeralda Member; Brasso Fm., Esmeralda Rd, Trinidad
<u>Globorotalia (Turborotalia) siakensis</u> (Le Roy)	BMR Collection	Iraga Valley, Nassau Range, Irian Jaya
<u>Globorotalia (Turborotalia) tosaensis tenuithec</u> Blow	BMR Collection	Kisila Village, east of Josefstaal, lower Ramu-Atitau area, Papua New Guinea
"	"	Nagam River, west of Periana Village, Wewak subdistrict, Sepik district, Papua New Guinea
<u>Globorotalia variabilis</u> Bolli	BMR Collection	Lengua Beds; near 1½ mile post Mandingo Rd, Trinidad

SPECIES	PRESENTED BY	LOCALITY
<u>Globotruncana helvetica</u> Bolli	BMR Collection	Rough Range No. 5 Well, Western Australia
"	Dr H. Hagn	Brunnenkopfhaus, Bavarian Alps
<u>Globotruncana lapparenti</u> <u>bulloides</u> Vogler	BMR Collection	Near abandoned emergency airfield, Murchison River area, Western Australia
<u>Globotruncana lapparenti</u> <u>coronata</u> Bolli	Dr H. Hagn	Sefelwandgebelt, Bavarian Alps
<u>Globotruncana lapparenti</u> <u>lapparenti</u> Brotzen	BMR Collection	Pillarawa Hill, Murchison River area, Western Australia
"	"	Toolonga Point, Murchison River area, Western Australia
<u>Globotruncana marginata</u> (Reuss)	Dr H. Hagn	Ortenburg, C.F.1003, 401, 0-40 m, Bavaria.
"	BMR Collection	Pillarawa Hill, Murchison River area, Western Australia
<u>Globotruncana rugosa</u> (Marie)	Dr H. Hagn	Pinswanger-schichten, Neubavarn, Inn Valley, Bavaria
<u>Globotruncana ventricosa</u> White	BMR Collection	Toolonga Point, Murchison River area, Western Australia
<u>Hantkenina alabamensis</u> Cushman	BMR Collection	Yazoo clay, Wayne Co., Mississippi U.S.A.
<u>Hastigerina siphonifera</u> <u>praesiphonifera</u> Blow	BMR Collection	Lengua Beds; near 1½ mile post Mandingo Rd, Trinidad
<u>Morozovella angulata</u> (White)	BMR Collection	Lower Lizard Springs Formation, Ravine Ampelu, Lizard Springs, S.E. Trinidad
"	"	Boongerooda Greensand, type section, Toothawarra Creek, Carnarvon Basin, Western Australia
<u>Morozovella angulata</u> <u>abundocamerata</u> (Bolli)	BMR Collection	Lower Lizard Springs Formation, Ravine Ampelu, Lizard Springs, S.E. Trinidad
<u>Morozovella bullbrookii</u> (Bolli)	BMR Collection	"Fitt Trace Marl" Navet Formation, Rio Claro-Biche road, near Fitt Trace, Trinidad
<u>Morozovella kolchidica</u> (Morozova)	BMR Collection	Boongerooda Greensand, type section, Toothawarra creek, Carnarvon Basin, Western Australia
<u>M. cf. kolchidica</u>	"	Wabag area, Tibinini section, west of Laiagam, Papua New Guinea
<u>Morozovella pasionensis</u> (Bermudez)	"	"
<u>Morozovella pusilla pusilla</u> (Bolli)	"	Lizard Springs Formation, Trinidad Well FC 98.

SPECIES	PRESENTED BY	LOCALITY
<u>Orbulina suturalis</u> Bronnimann	BMR Collection	Upper Maipora Creek, west of the Saw mountains, Papua New Guinea
<u>O. suturalis</u>	"	Section S.W. of Laiagam, near Andebare River, Papua New Guinea
<u>Orbulina universa</u> d'Orbigny	BMR Collection	Lengua Beds; near 1½ mile post Mandingo Rd, Trinidad
<u>Planorotalites chapmani</u> (Parr)	"	Boongerooda Greensand, type section, Toothawarra Creek, Carnarvon Basin, Western Australia
<u>Planorotalites chapmani</u> (Parr)	Dr B. McGowran	Toothawarra Ck, Carnarvon Basin, Western Australia
<u>Planorotalites compressus</u> (Plummer)	ex Parr Collection BMR	At road corner S.E. of new Corsicana Reservoir, on road to Mildred, Texas, U.S.A.
<u>Planorotalites pseudomenardii</u> (Bolli)	BMR Collection	Boongerooda Greensand, Type Section, Toothawarra Creek, Carnarvon Basin, W.A.
<u>Planorotalites pseudomenardii</u> (Bolli)	"	Lizard Springs Formation, Trinidad Well FC 98
<u>Praeorbulina glomerosa circularis</u> (Blow)	BMR Collection	Section S.W. of Laiagam, near Andebare River, Papua New Guinea
<u>Pulleniatina primalis</u> Banner & Blow	BMR Collection	Wirul Creek, south of Wewak Papua New Guinea
<u>Pulleniatina primalis</u> Banner & Blow	BMR Collection	Hanover Is., Papua New Guinea
<u>Rugoglobigerina bulbosa</u> Belford	BMR Collection	Quarry at One Tree Hill, near Gingin, Western Australia
<u>Sphaeroidineila dehiscens</u> <u>dehiscens</u> (Parker & Jones)	BMR Collection	Nagam River, west of Periana Village, Wewak subdistrict, Sepik district, Papua New Guinea
"	"	Nagam River on Maprik to Wewak road, Papua New Guinea
<u>Sphaeroidinella dehiscens</u> <u>dehiscens</u> Parker & Jones	BMR Collection	Hanover Is., Papua New Guinea
<u>Sphaeroidinellopsis kochi</u> (Caudri)	BMR Collection	Aipa Hills area, Papua New Guinea
<u>Sphaeroidinellopsis seminulina</u> <u>seminulina</u> (Schwager)	BMR Collection	Cipero Fm, (Cacatro Member) Pt Bontour, Trinidad
<u>Sphaeroidinellopsis seminulina</u> <u>seminulina</u> (Schwager)	BMR Collection	2½ miles N.N.W. of Olipai River- Lake Ramu River junction, Papua New Guinea
<u>Subbotina primitiva</u> (Finlay)	BMR Collection	Lower Lizard Springs Formation, Ravine Ampelu, Lizard Springs, SE Trinidad
<u>Subbotina pseudobulloides</u> (Plummer)	ex Parr Collection BMR	At road corner S.E. of new Corsicana Reservoir, on road to Mildred, Texas, U.S.A.

SPECIES	PRESENTED BY	LOCALITY
<u>Subbotina triloculinoides</u> (Plummer)	ex Parr Collection BMR	At road corner S.E. of new Corsicana Reservoir, on road to Mildred, Texas, U.S.A.
<u>Subbotina velascoensis</u> (Cushman)	BMR Collection	Lower Lizard Springs Formation, Ravine Ampelu, Lizard Springs, S.E. Trinidad
<u>Alabamina acutimarginata</u> Finlay	Dr P. Webb	N141/508, Pukehou, New Zealand
<u>Alabamina creta</u> Finlay	Dr P. Webb	N141/508, Pukehou, New Zealand
<u>Alabamina tubulifera</u> Heron Allen & Earland	BMR Collection	R.647, Nagam River, Periana Village, Sepik District Papua New Guinea
<u>Allomorphina whangata</u> Finlay	Dr P. Webb	N141/508, Pukehou, New Zealand
<u>Ammonia maculosa</u> Belford	BMR Collection (Topotypes)	Road cutting north of aerodrome, Madang, Papua New Guinea
<u>Ammonia supera</u> Belford	BMR Collection	Nagam River, west of Periana Village, Sepik District, Papua New Guinea
<u>Anomalinella rostrata</u> Brady	BMR Collection	Road cutting, north of aerodrome, Madang, Papua New Guinea
<u>Anomalinoides cavus</u> Belford	BMR Collection (Topotypes)	Nagam River, west of Periana Village, Sepik District, Papua New Guinea
<u>Anomalinoides colligerus</u> Chapman & Parr	BMR Collection	Nagam River, W. of Periana Village, Sepik District, Papua New Guinea
<u>Anomalinoides evolutus</u> Belford	BMR Collection (Topotypes)	Nagam River, west of Periana Village, Sepik District, Papua New Guinea
<u>Anomalinoides murchisonensis</u> Belford	BMR Collection	Pillarawa Hill, Murchison River area, Western Australia
<u>Anomalinoides pinguis</u> (Jennings)	BMR Collection (Topotypes)	Navarro Formation, Onion creek, Travis Co. Texas, U.S.A.
<u>Anomalinoides pinguis</u> (Jennings)	BMR Collection	Pecan Gap, Texas, U.S.A.
<u>Anomalinoides undulatus</u> Belford	BMR Collection (Topotypes)	Bidgie Bidgie Point, Murchison R. area Western Australia
<u>Asterigerina tentoria</u> Todd	BMR Collection	Sea-cliff 250 yds N. of LMS Mission, Delena, Papua New Guinea
<u>Asterigerina tentoria</u> Todd	BMR Collection	Sea-cliff 250 yds N. of LMS Mission, Delena, Papua New Guinea
<u>Alveolinella quoyi</u> d'Orbigny	BMR Collection	Port Moresby harbour, near outer reef, Papua New Guinea
<u>Alveolinella quoyi</u> d'Orbigny	BMR Collection	Great Barrier Reef, near Townsville Queensland
<u>Bolivina robusta</u> Brady	BMR Collection	East of Yekimbolje village, Sepik district, Papua New Guinea

SPECIES	PRESENTED BY	LOCALITY
<u>Bolivina robusta</u> Brady	BMR Collection	Nuru Valley, between Diduella and old Bauri, Papua New Guinea
<u>Bolivinita compressa</u> Finlay	BMR Collection	East of Karova Ck. Papua New Guinea
<u>Bolivinita quadrilatera</u> Schwager	BMR Collection	Upper Maipora Ck, west of Saw Mtns Papua New Guinea
<u>Bolivinita subangularis</u> Brady	BMR Collection	E. of Yekimbolje village, Sepik district, Papua New Guinea
<u>Bolivinitella eleyi</u> Cushman	BMR Collection	Scarp at Bidgie Bidgie Pt, Murchison R. area, Western Australia 10' below top of Toolonga Calcilutite
<u>Bolivinitella planata</u> Cushman	BMR Collection	Korojon Calcarenite, Carnarvon Basin, Western Australia 33' above base
<u>Bolivinoidea afra</u> (Reyment)	Dr. G.R.F. Terpstra	Gbekebo No. 1 Well, Nigeria Core at 3090'
<u>Bolivinoidea decorata</u> (Jones) <u>australis</u> Edgell	BMR Collection (Topotypes)	CY Creek W. flank of Giralia Anticline Western Australia
<u>Bolivinoidea decorata</u> (Jones) <u>gigantea</u> Hiltermann & Koch	BMR Collection	From sample pit at N. end of Giralia Anticline, Western Australia
<u>Bolivinoidea draco doreeni</u> Finlay	P. Webb	Pukehou, New Zealand
<u>Bolivinoidea draco draco</u> Marsson	BMR Collection	From sample pit at N. end of Giralia Anticline, Western Australia
<u>Bolivinoidea strigillata strigillata</u> (Chapman)	BMR Collection	Meanarra Hill, Murchison River area, Western Australia
<u>Brizalina capitata</u> Cushman	BMR Collection	road cutting, N. of aerodrome, Madang, Papua New Guinea
<u>Brizalina catenula</u> Belford	BMR Collection (Topotypes)	near culmination of Popo Anticline 3½ miles S.S.E. of Popo village, Papua New Guinea
<u>Brizalina hastula</u> Belford	BMR Collection (Topotypes)	"Tubu siltstone", Tubu area, Papua New Guinea
<u>Brizalina karreriana</u> Brady	BMR Collection	Wira anticline, Puri-Purari River area, Papua New Guinea
<u>Brizalina macella</u> Belford	BMR Collection	"Tubu Siltstone", Tubu area, Papua New Guinea
<u>Brizalina macella</u> Belford	BMR Collection (Topotypes)	" " "
<u>Brizalina macella</u> Belford	BMR Collection (Topotypes)	Forsayth Plantation, Mushu Is., Sepik District Papua New Guinea
<u>Brizalina multilineata</u> Belford	BMR Collection	North-west flank, Wira Anticline. Papua New Guinea
<u>Brizalina multilineata</u> Belford	BMR Collection (Topotypes)	"Tubu Siltstone", Tubu area, Papua New Guinea

SPECIES	PRESENTED BY	LOCALITY
<u>Brizalina patula</u> Belford	BMR Collection (Topotypes)	"Tubu Siltstone", Tubu area, Papua New Guinea
<u>Brizalina plicatella</u> Cushman	BMR Collection	Nagam R., W. of Periana village Sepik district Papua New Guinea
<u>Brizalina pseudobeyrichi</u> Cushman	BMR Collection	"Tubu Siltstone", Tubu area, Papua New Guinea
<u>Brizalina semicarinata</u> Belford	BMR Collection	Polson creek, ½ m W. of the Kapau River, Papua New Guinea
<u>Brizalina semilineata</u> Belford	BMR Collection (Topotype)	West of wharf, R.C. Mission, Yule Island, Papua New Guinea
<u>Brizalina semilineata</u> Belford	BMR Collection	2½ miles N.N.W. of Olipai River - Lakekamu River junction, Papua New Guinea
<u>Brizalina subreticulata</u> Parr	BMR Collection	"Tubu siltstone", Tubu area, Papua New Guinea
<u>Brizalina subreticulata</u> (Parr)	BMR Collection	"Challenger" Station 185, Torres Strait
<u>Brizalina tuberosa</u> Belford	BMR Collection (Topotypes)	Nagam River, west of Periana village, Sepik District, Papua New Guinea
<u>Brizalina vescistriata</u> Belford	BMR Collection (Topotypes)	Road cutting north of aerodrome, Madang, Papua New Guinea
<u>Bucella frigida</u> Cushman	Dr A. Norvang	Island N. Pistilforour 66° 32' N, 15° 15' W.
<u>Bueningia creeki</u> Finlay	BMR Collection	Nagam R., W. of Periana village, Sepik district, Papua New Guinea
<u>Bulimina alazanensis</u> Cushman	BMR Collection	W. of Yangoru, Papua New Guinea
<u>Bulimina alazanensis</u> Cushman	BMR Collection	Alpa Hills area, Papua New Guinea
<u>Bulimina alazanensis</u> Cushman	BMR Collection	W. of Yangoru, Sepik District, Papua New Guinea
<u>Bulimina ampliapertura</u> Belford	BMR Collection	Wira Anticline, Puri-Purari R. area, Papua New Guinea
<u>Bulimina aculeata</u> d'Orbigny	BMR Collection	Nuru Valley, between Diduella and Old Bauri, Papua New Guinea
<u>Bulimina marginata</u> d'Orbigny	BMR Collection	"Goldseeker" haul 125, Nth Minch W. of Scotland, 108 m.
<u>Bulimina marginata</u> d'Orbigny	Dr A. Norvang	S.W. of Torskoy (Biol.st.Herdla) 350-400 m
<u>Bulimina rakauroana</u> Finlay	P. Webb	Pukehou, New Zealand, Haumurian Stage (Maestrichtian)
<u>Bulimina senta</u> Finlay	Dr N. de B. Hornibrook	Hawkes Bay, New Zealand

SPECIES	PRESENTED BY	LOCALITY
<u>Bulimina senta</u> Finlay	BMR Collection	2½ miles N.N.W. Olipai River- Lakekamu River junction, Papua New Guinea
<u>Bulimina striata</u> d'Orbigny	BMR Collection	Nuru Valley, Papua New Guinea, between Diduella & Old Bauri
<u>Bulimina subornata</u> Brady	BMR Collection	Nagam R, W of Periana Village, Sepik district, Papua New Guinea
<u>Buliminella sauria</u> Finlay	Dr P. Webb	Waipara Gorge, New Zealand
<u>Cassidulina crassa</u> d'Orbigny	M. Lys	Iles Malovines (Falklands)
<u>Cassidulina laevigata</u> d'Orbigny	BMR Collection	SW.f. Torskoy (Biol.st.Herdla) 350-400 m.
<u>Cassidulina quasisulcata</u> Belford	BMR Collection (Topotypes)	Nagam River, West of Periana Village, Sepik district, Papua New Guinea
<u>Cassidulina sulcata</u> Belford	BMR Collection (Topotypes)	" "
<u>Ceratobulimina pacifica</u> Cushman & Harris	BMR Collection	Nuru Valley, Papua New Guinea, between Diduella and Old Bauri
<u>Ceratobulimina pacifica</u> Cushman & Harris	BMR Collection	Nuru Valley, Papua New Guinea, between Diduella and Old Bauri
<u>Cibicides excavata</u> Brotzen	BMR Collection	Bidgie Bidgie Point, Murchison R. area, Western Australia, 10' above base
<u>Cibicides refulgens</u> Montfort	BMR Collection	"Goldseeker" haul 211, Faroe Channel 59°59'N, 06°38'W, 505 m
<u>Clavulinoides trifidus</u> Belford	BMR Collection	Toolonga Point, Murchison R. area, Western Australia
<u>Cyclocypeus victoriensis</u> Crespin	BMR Collection	Upper quarry, Batesford, near Geelong, Victoria
<u>Cyclocypeus victoriensis</u> Crespin	BMR Collection	Upper quarry, Batesford, near Geelong, Victoria
<u>Cyclocypeus victoriensis</u> Crespin	BMR Collection	New Quarry, Batesford, Victoria
<u>Cyclocypeus victoriensis</u> var. <u>gippslandica</u> Crespin	BMR Collection	Skinner's section, Mitchell R., Near Bairnsdale, Gippsland, Victoria
<u>Cyclocypeus victoriensis</u> var. <u>gippslandicus</u> Crespin	BMR Collection	Le Grand's Quarry, near Longford, Gippsland, Victoria
<u>Dentalina admodicostata</u> Belford	BMR Collection	Bidgie Bidgie Point, Murchison R. area, Western Australia
<u>Dentalina admodicostata</u> Belford	BMR Collection	Pillarawa Hill, Murchison R. area Western Australia

SPECIES	PRESENTED BY	LOCALITY
<u>Dentalina basiplanata</u> Cushman	BMR Collection	2 miles NE Telegraph Station, Shark Bay, Western Australia
<u>Dorothia elongata</u> Finlay	Dr P. Webb	Pukehou, New Zealand, Haumurian Stage (Maestrichtian)
<u>Euuvigerina peregrina</u> Cushman	BMR Collection	S.W. f. Torskoy (Biol. st. Herdla) 350-400 m
<u>Favocassidulina favus</u> Brady	BMR Collection	S of Kumil R., Lower Ramu - Atitau area. Papua New Guinea
<u>Flectospira prima</u> Crespin & Belford	BMR Collection (Topotypes)	Giralia No. 1 Well, Carnarvon Basin, Western Australia
<u>Flectospira prima</u> Crespin & Belford	BMR Collection	Giralia No. 1 Bore, Carnarvon Basin, Western Australia
<u>Fronicularia bulla</u> Belford	BMR Collection	Pillarawa Hill, Murchison R. area, Western Australia
<u>Fronicularia costulifera</u> Belford	BMR Collection (Topotypes)	Bidgie Bidgie Pt, Murchison R. area, Western Australia
<u>Fronicularia disjuncta</u> Belford	BMR Collection (Topotypes)	Quarry at One Tree Hill, Gingin, Western Australia
<u>Fronicularia planifolium</u> Chapman	BMR Collection	Quarry at One Tree Hill, Gingin, Western Australia
<u>Flosculinella bontangensis</u> Rutten	BMR Collection	Jamah, Borneo
<u>Gaudryina australis</u> Belford	BMR Collection	N.W. Coastal Highway, 31 miles N of Hamelin turnoff, Western Australia
<u>Gaudryina pulvina</u> Belford	BMR Collection	Toolonga Pt, Murchison R. area, Western Australia
<u>Gavelinella stellula</u> Belford	BMR Collection (Topotypes)	Bidgie Bidgie Pt, Murchison R. area, Western Australia
<u>Geminospira bradyi</u> Bermudez	BMR Collection	N. of aerodrome, Madang, Papua New Guinea
<u>Globobulimina auriculata</u> Bailey, <u>arctica</u> Høglund	BMR Collection	Island N. Pistilfjörður, 66° 32'N, 15° 15'W
<u>Globobulimina turgida</u> Bailey	BMR Collection	S.W. of Torskoy, (Biol. st. Herdla) 350-400 m
<u>Globocassidulina bicornis</u> Brady	BMR Collection	E of Karova Creek, Papua New Guinea.
<u>Globocassidulina oriangulata</u> Belford	BMR Collection (Topotype)	Nuru Valley, Papua New Guinea, between Diduella & Old Bauri
<u>Globocassidulina oribunda</u> Belford	BMR Collection (Topotypes)	Nuru Valley, Papua New Guinea, between Diduella & Old Bauri
<u>Goesella chapmani</u> Cushman	BMR Collection	Pillarawa Hill, Murchison R. area, Western Australia
<u>Gyroidina exserta</u> Belford	BMR Collection	scarp near abandoned emergency airfield, Murchison R. area, Western Australia

SPECIES	PRESENTED BY	LOCALITY
<u>Gyroidina noda</u> Belford	BMR Collection	scarp at abandoned emergency airfield, Murchison R. area, Western Australia
<u>Gyroidina torulus</u> Belford	BMR Collection (Topotypes)	W. of Periana village, Sepik district, Papua New Guinea
<u>Gyroidina torulus</u> Belford	BMR Collection	Nuru Valley, Papua New Guinea, between Diduella & Old Bauri
<u>Gyroidina torulus</u> Belford	BMR Collection	Nuru Valley, Papua New Guinea, between Diduella & Old Bauri
<u>Heterolepa cavata</u> Belford	BMR Collection (Topotypes)	E. of Karova Creek, Papua New Guinea
<u>Heterolepa cavata</u> Belford	BMR Collection	E. of Karova Creek Papua New Guinea
<u>Heterolepa mediocris</u> Finlay	New Zealand Geological Survey (Topotypes)	All Day Bay, Campbell's Beach, above Waipara, New Zealand
<u>Heterolepa mediocris</u> Finlay	BMR Collection	Kisila Village, E of Josefstaal, Lower Ramu Atitau area, Papua New Guinea
<u>Heterolepa mediocris</u> Finlay	BMR Collection	All Day Bay, Campbells Beach, Oamaru, New Zealand
<u>Heterolepa mediocris</u> Finlay	BMR Collection	All Day Bay, Campbell's Beach, Oamaru, New Zealand
<u>Heterolepa novozelandicus</u> Karrer	BMR Collection	All Day Bay, Campbells Beach, Oamaru New Zealand
<u>Heterolepa novozelandicus</u> Karrer	BMR Collection	Rifle Butts Fm., Campbell's Beach, Oamaru, New Zealand
<u>Kolesnikovella angusta</u> McGowran	Dr B. McGowran	Pebble Point, Victoria
<u>Lacazinella wichmanni</u> Schlumberger	BMR Collection	Small creek near Chimbu aerodrome, Papua New Guinea
<u>Lepidocyclina (Tryblitolepidina) batesfordensis</u> Crespin	BMR Collection	W. end, new Quarry, Batesford, Victoria
<u>Lepidocyclina howchini</u> Chapman & Crespin	BMR Collection	Flinders, Victoria
<u>Lepidocyclina howchini</u> Chapman & Crespin	BMR Collection	Flinders, Victoria
<u>Massilina ginginensis</u> Chapman	BMR Collection	Quarry at One Tree Hill, near Gingin, Western Australia
<u>Melonis pompilioides</u> Fichtel & Moll	BMR Collection	S.W.f. Torskoy (Biol. st. Herdla) 350 - 400 m
<u>Neoflabellina rakouroana</u> Finlay	Dr P. Webb	Pukehou, New Zealand, Haumurian Stage, (Maestrichtian)
<u>Nodosaria scalaris</u> Botsch	BMR Collection	S.W.f. Torskoy. (Biol. st. Herdla) 350 - 400 m

SPECIES	PRESENTED BY	LOCALITY
<u>Nonion labradoricum</u> Dawson	BMR Collection	Island N. pistilfjordur 66°32'N, 15°15'W, 141 m
<u>Nonionella amplilabrata</u> Belford	BMR Collection (Topotypes)	Road cutting N. of aerodrome, Madang, Papua New Guinea
<u>Nuttallides carinotrumpyi</u> Finlay	BMR Collection Topotypes	Te Uri Stream, New Zealand
<u>Nuttalides cretatrumpyi</u> Finlay	New Zealand Geological Survey (Topotypes)	Te Uri Stream. Teurian Stage (Danian) New Zealand
<u>Nuttallides subtrumpyi</u> Finlay	BMR Collection (Topotypes)	1 mile NW of Pahi, Paparoa Arm, Auckland New Zealand
<u>Nuttalides tholus</u> Finlay	BMR Collection (Topotypes)	Haumurian Stage, Mata, S.D. New Zealand
<u>Nuttallides trumpyi</u> Nuttall	BMR Collection	Aragon Formation, Mexico
<u>Nummulites bogelensis</u> Verbeek	BMR Collection (Topotypes)	Kali Goeha, Lok Oelah, Java
<u>Nummulites djokjokartae</u> Martin	BMR Collection (Topotypes)	Kali Semah, Nanggoelan, Java
<u>Operculina matapauensis</u> Chapman & Parr	BMR Collection	Balau Ck, (Muam R) Matapau, Papua New Guinea
<u>Operculina matapauensis</u> Chapman & Parr	BMR Collection	Balau Ck, (Muam R) Matapau, Papua New Guinea
<u>Operculina victoriensis</u> Chapman & Parr	BMR Collection	Red Bluff, Shelford, Victoria
<u>Operculina victoriensis</u> Chapman & Parr	BMR Collection	Red Bluff, Shelford, Victoria
<u>Oridorsalis pauciapertura</u> Belford	BMR Collection (Topotypes)	Nuru Valley, Papua New Guinea, between Diduella & Old Bauri
<u>Oridorsalis variapertura</u> Belford	BMR Collection (Topotypes)	Kisila Village, E of Josefstaal, Lower Ramu-Atitau area, Papua New Guinea
<u>Planulina plana</u> Belford	BMR Collection (Topotypes)	Nagam R., W of Perlama village, Sepik district, Papua New Guinea
<u>Planulina retia</u> Belford	BMR Collection	E. of Karova Ck, Papua New Guinea
<u>Planulina wuellerstorfi</u> Schwager	BMR Collection	Nuru Valley, Papua New Guinea, between Diduella & Old Bauri
<u>Planulina wuellerstorfi</u> Schwager	BMR Collection	Nuru Valley, Papua New Guinea, on hill with garden plot
<u>Pseudorotalia papuanensis</u> Belford	BMR Collection (Topotype)	"Vaiviri Formation", Doabea Ck, Hohoro, Papua New Guinea
<u>Pseudorotalia papuanensis</u> Belford	BMR Collection Topotype	"Vaiviri Formation", Doabea Ck, Papua New Guinea

SPECIES	PRESENTED BY	LOCALITY
<u>Pseudovalvulineria infraossa</u> Finlay	Dr P. Webb	Pukehou, New Zealand, Haumurian Stage (Maestrichtian)
<u>Spiroplectammina grzybowski</u> Frizzell	BMR Collection	Bidgie Bidgie Pt, Murchison R. area, Western Australia
<u>Spiroplectammina paula</u> Belford	BMR Collection Topotypes	N.W. coastal highway 31 miles N. of Hamelin turn-off, Western Australia
<u>Spiroplectinata compressiuscula</u> (Chapman)	BMR Collection	Gingin, Western Australia, quarry at One Tree Hill
<u>Spiroplectinata compressiuscula</u> (Chapman)	BMR Collection	scarp at Toolonga Point, Murchison R. area, Western Australia
<u>Stensioina truncata</u> Belford	BMR Collection (Topotypes)	scarp at Bidgie Bidgie Pt, Murchison R. area, Western Australia
<u>Streblospira australae</u> Crespin & Belford	BMR Collection (Topotypes)	Giralia No. 1 Bore, Carnarvon Basin, Western Australia
<u>Streblospira australae</u> Crespin & Belford	BMR Collection (Topotypes)	Giralia No. 1 Bore, Carnarvon Basin, Western Australia
<u>Streblospira kimberleyensis</u> Crespin & Belford	BMR Collection (Topotypes)	Freney Kimberley, Nerrima No. 1 Bore, Fitzroy Basin, Western Australia
<u>Streblospira meandrina</u> Crespin & Belford	BMR Collection (Topotypes)	Freney Kimberley, Nerrima No. 1 Bore, Fitzroy Basin, Western Australia
<u>Streblospira meandrina</u> Crespin & Belford	BMR Collection	BMR No. 1 Bore, Jurgurra Ck, Canning Basin, Western Australia
<u>Valvalabamina lenticula</u> (Reuss)	BMR Collection	Bidgie Bidgie Pt, Murchison R. area, Western Australia
<u>Valvalabamina undulata</u> (Belford)	BMR Collection	Bidgie Bidgie Pt, Murchison R. area, Western Australia
<u>Verneullina parri</u> Cushman	BMR Collection	scarp near old emergency airfield, Murchison R. area, Western Australia