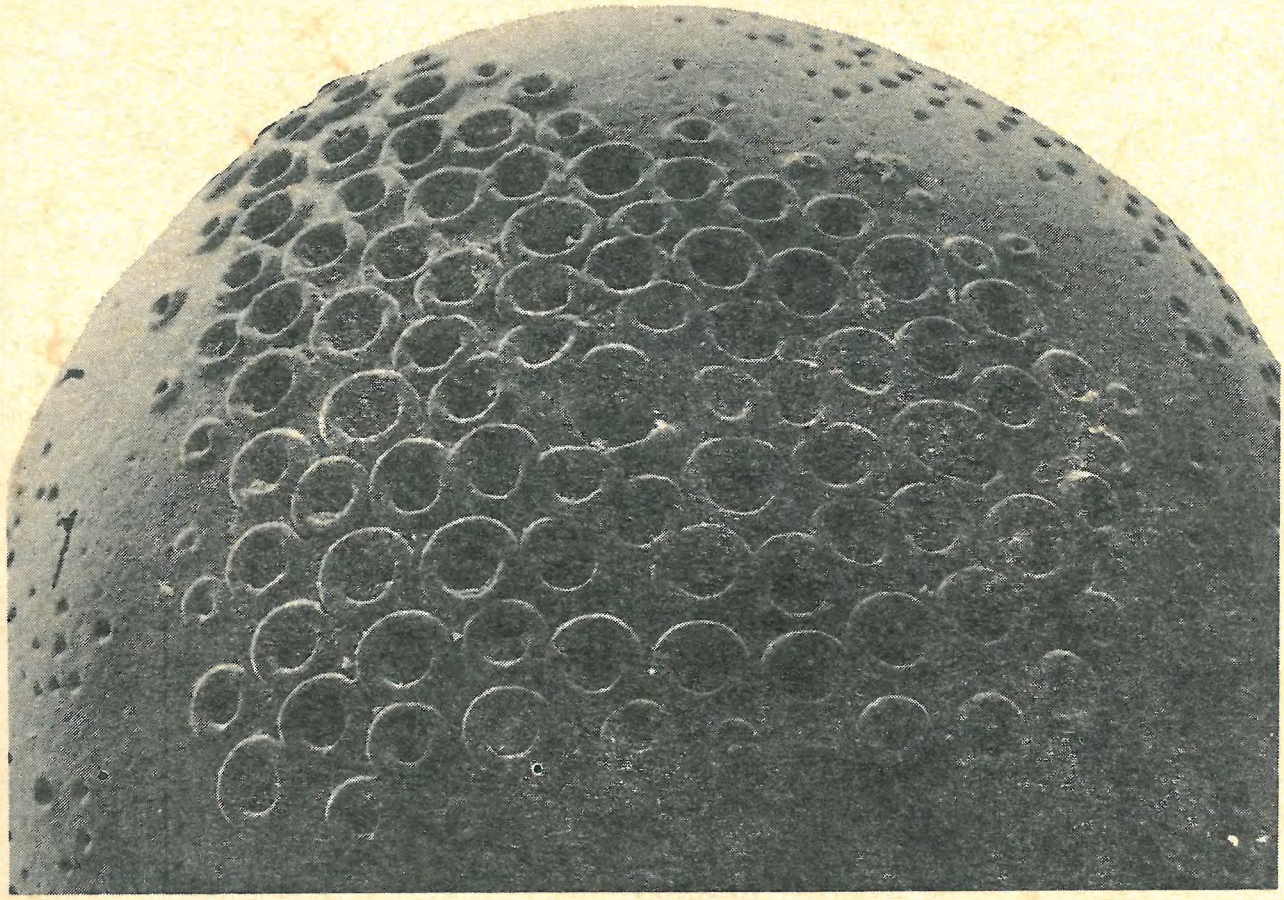
DISTRIBUTION PATTERNS AND TAXONOMY OF BENTHIC FORAMINIFERA IN THE LIZARD ISLAND REEF COMPLEX, NORTHERN GREAT BARRIER REEF, AUSTRALIA



4 -1

ANNEXES

UNIVERSITE DE LIEGE - C.A.P.S. - LABORATOIRE DE BIOSEDIMENTOLOGIE

THESE DE DOCTORAT
EN SCIENCES GEOLOGIQUES ET MINERALOGIQUES, 1987

Jan BACCAERT

LIST OF ANNEXES

A N N E X 1

Circular diagrams per sample

LEGEND

Smaller diagram (upper part of page) : shows the procentual composition of the representative, quartiled sample (>74 µm) as to its content of the three groups of grains of foraminiferal origin (see Ch. 2, Part 1), viz. DF or DET FOR (= identified tests, entire or broken tests which can be identified up to species level); FR or FRAGMENTS (test fragments which can be identified up to the genus level); INDET (= unidentified test fragments, generally smaller, detrital grains presumably resulting from fragmentation and erosion of foraminiferal tests). The numerical values of these three groups (converted to 1 g of representative sample >74 µm) are given in the upper left corner of the page, below the sample n° and the water depth. The addition of the three numbers yields the total (T) number of detrital grains of foraminiferal test origin in 1 gram of sample >74 µm.

List of abbreviations in FR : T = arenaceous test fragments; MIL = miliolids (other than those indicated explicitely); R or ROT = rotaliids (other than those indicated explicitely); PEN = Peneroplis; SO = Sorites; AS = Amphisorus; MA = Marginopora; ALV = Alveolinella; AM = Amphistegina; BA = Baculogypsina; CA = Calcarina; HET = Heterostegina; OP = Operculina.

Larger diagram (lower part of page) : shows procentual composition of the DET FOR part of sample (identified tests)as to its content of foraminiferal taxa. The innermost circle shows the relative proportions of the three foraminiferal suborders; the middle circle circumscribes the generic proportions whereas the inner circle circumscribes the specific proportions. Species not reaching 1% are grouped under the designation "OTHER".

L 241

COCONUT FRINGING REEF FLAT

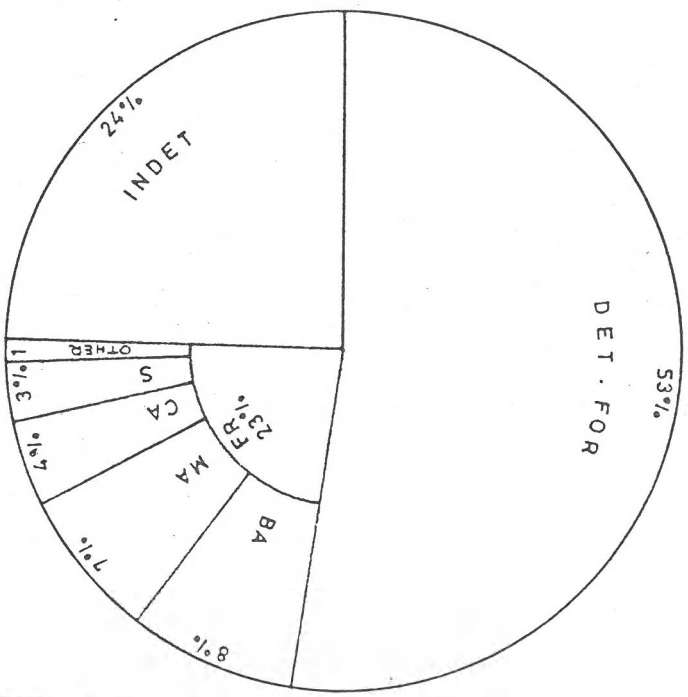
Intertidal

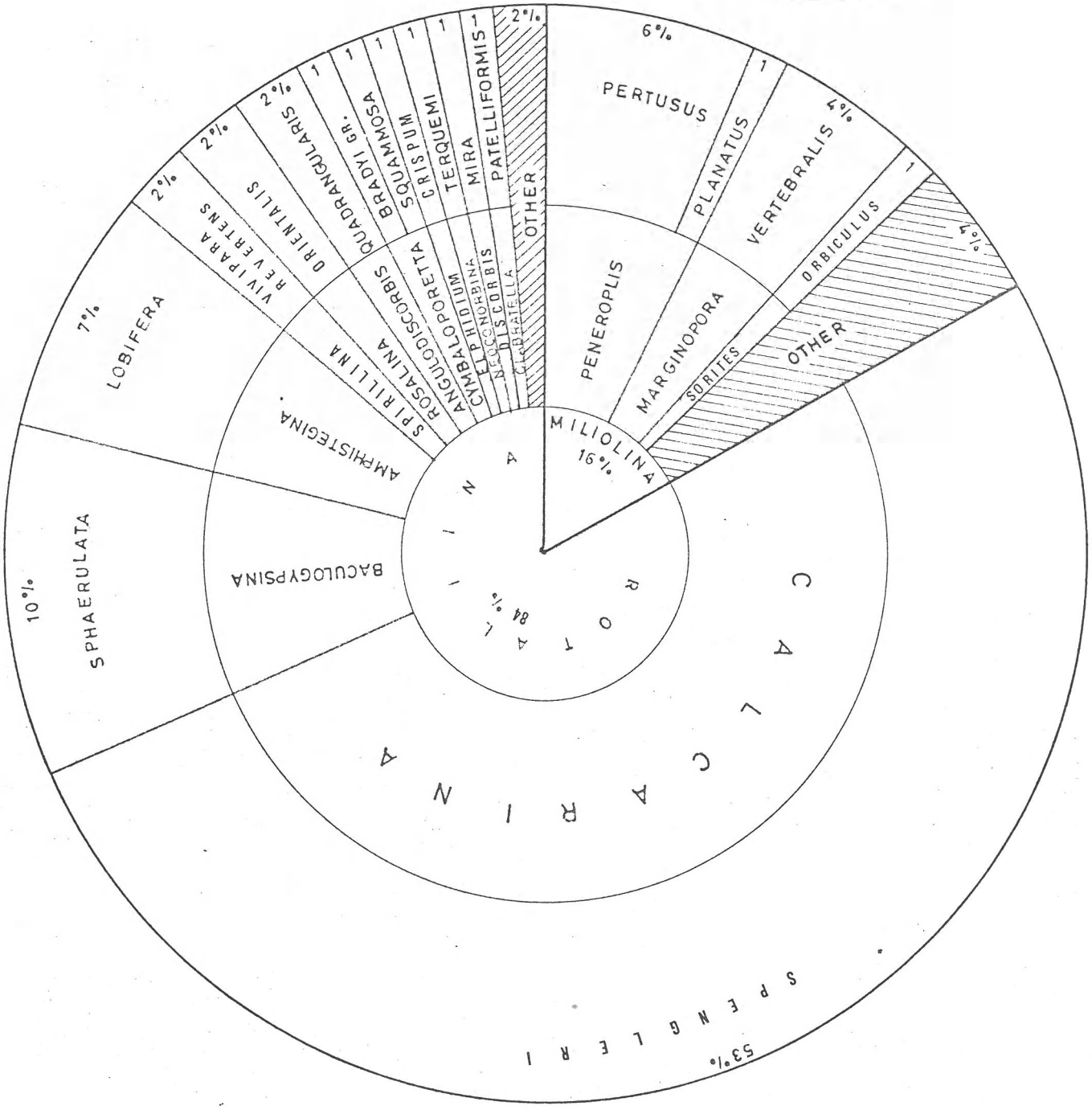
df/g = 1231

fr/g = 526

indet/g = 567

T/g = 2333





L 242

COCONUT FRINGING REEF (BEACH)

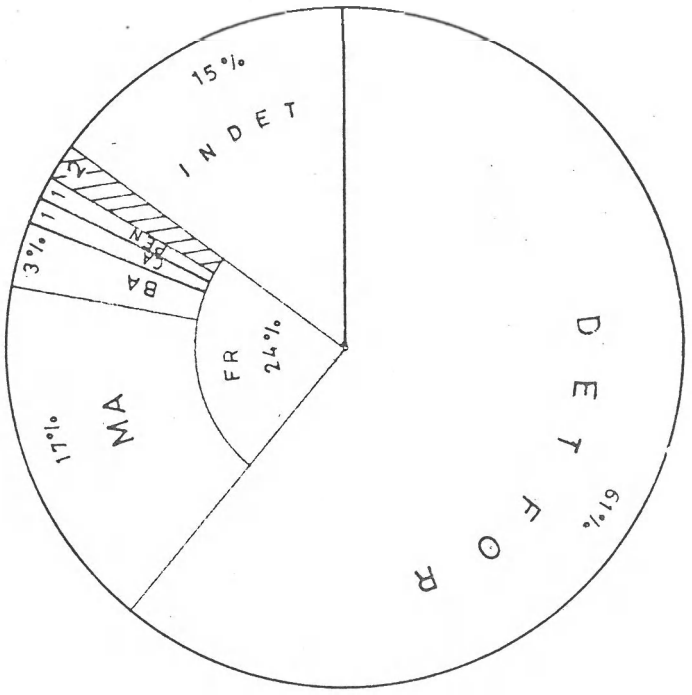
Intertidal

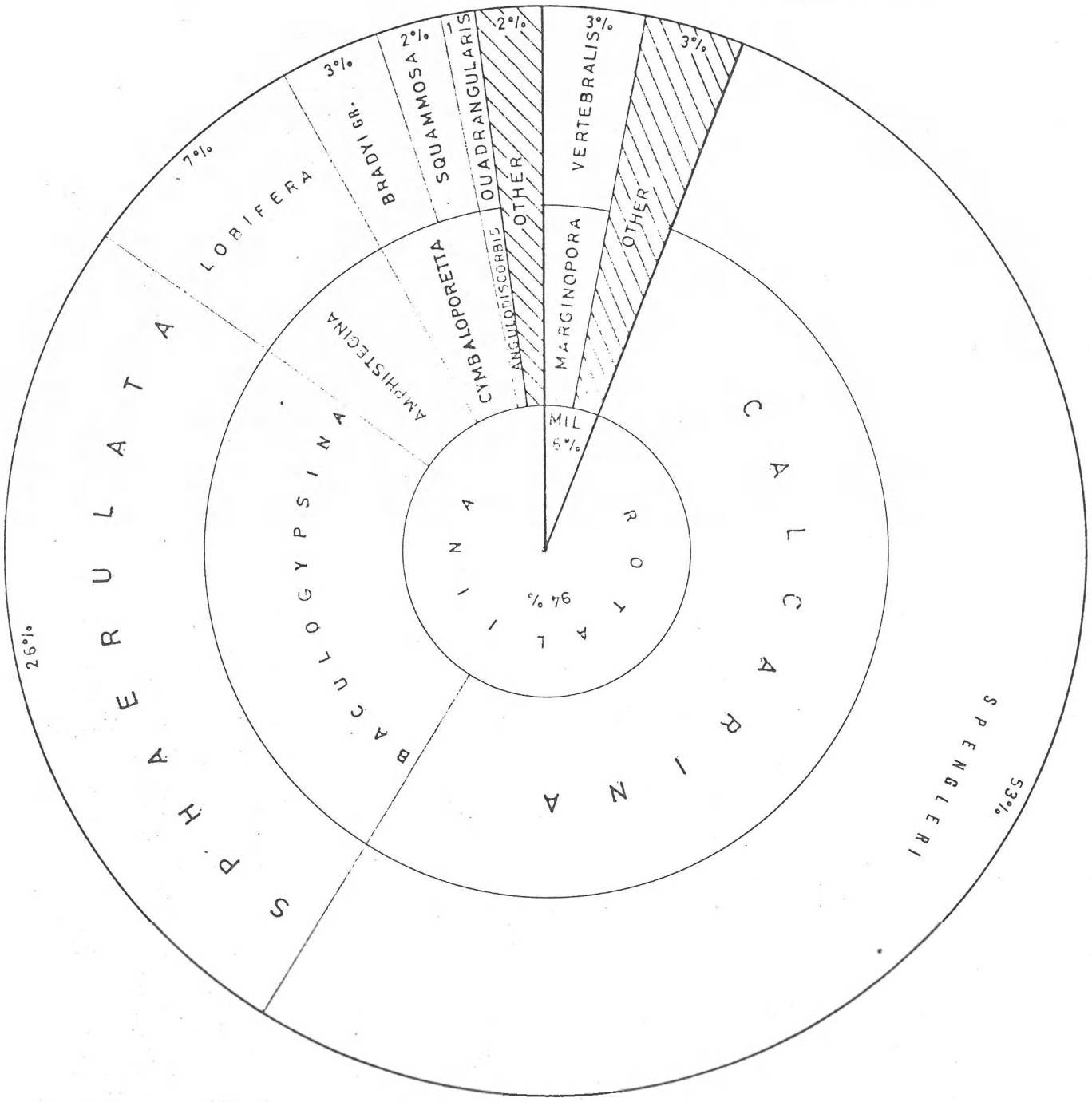
df/g = 512

fr/g = 201

indet/g = 131

T/g = 844





L 243 b

COCONUT FRINGING REEF FLAT

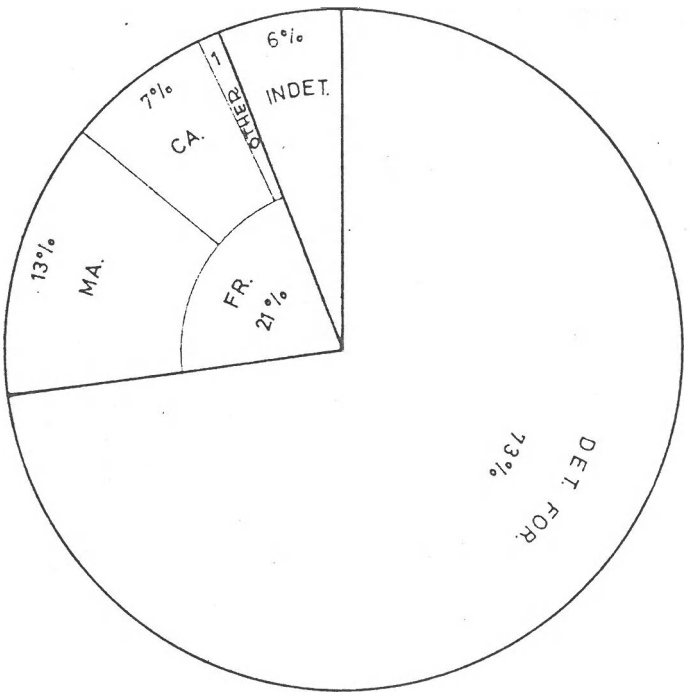
Intertidal

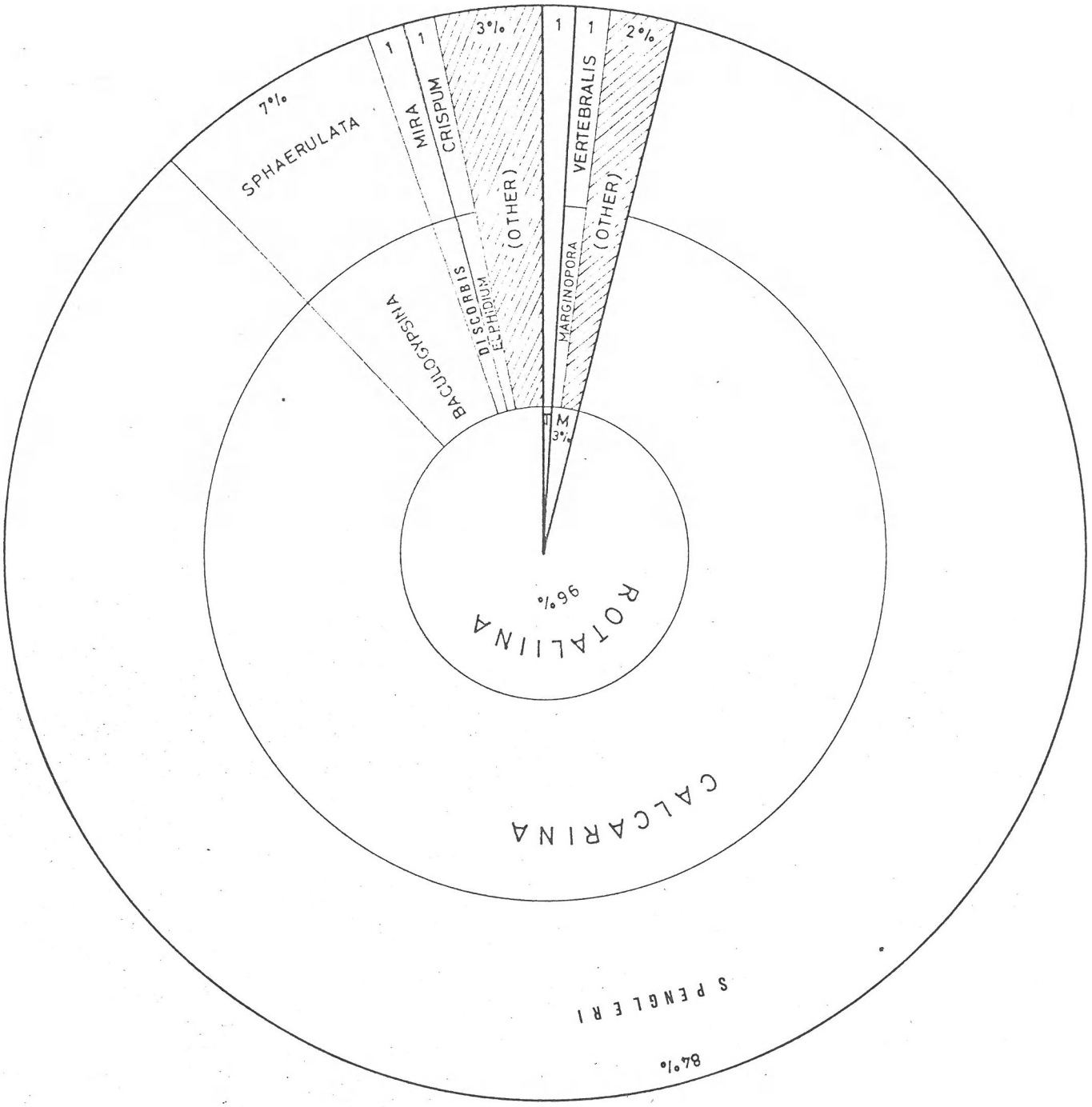
df/g = 846

fr/g = 245

indet/g = 73

T/g = 1164





L 244 b

COCONUT FRINGING REEF FLAT

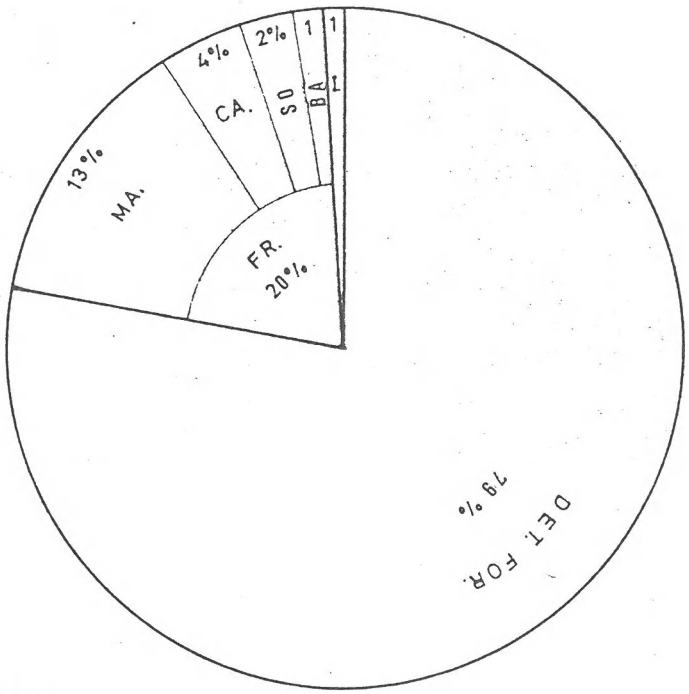
Intertidal

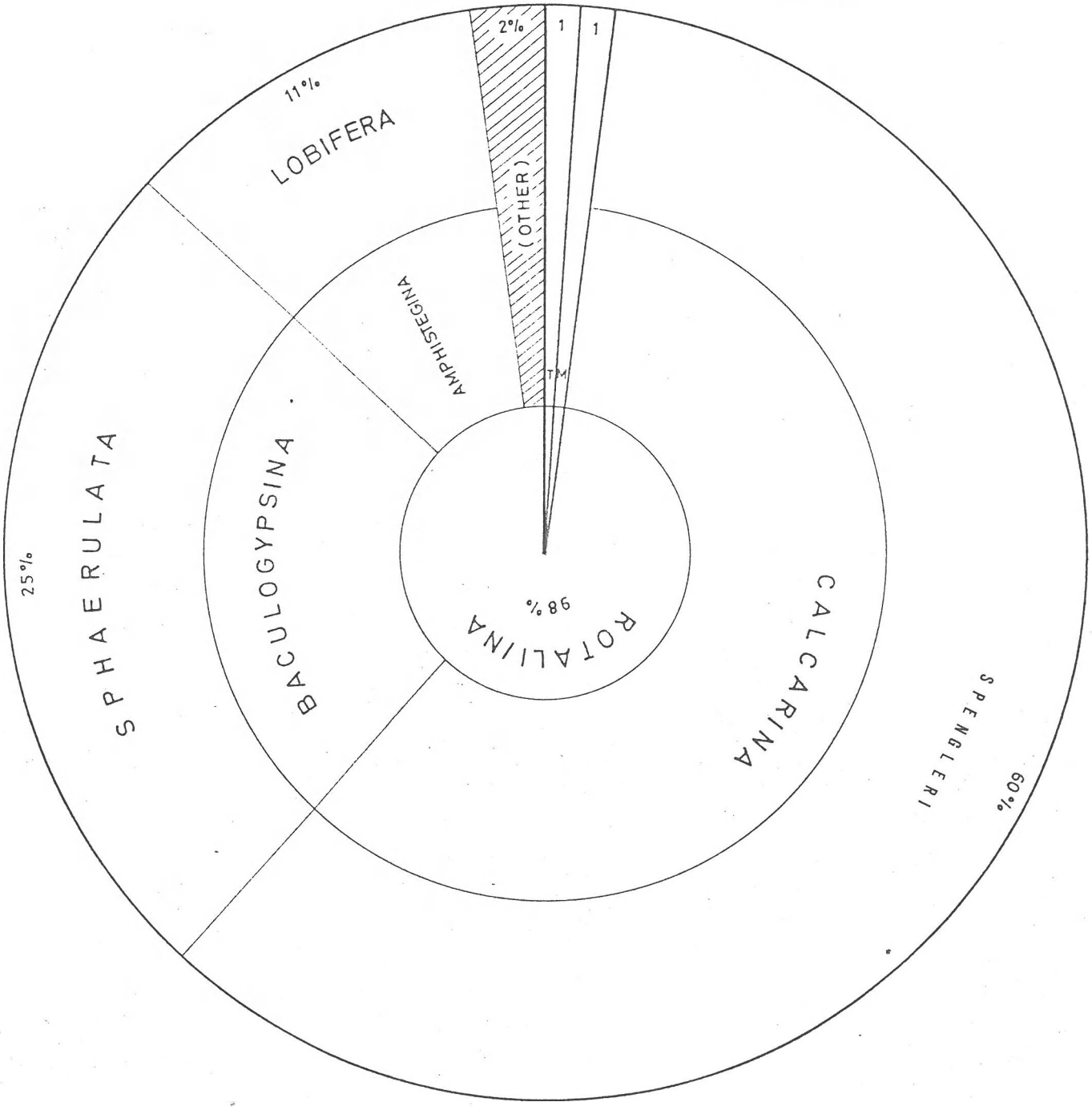
df/g = 892

fr/g = 240

indet/g = 6

T/g = 1138





L 245

COCONUT FRINGING REEF FLAT

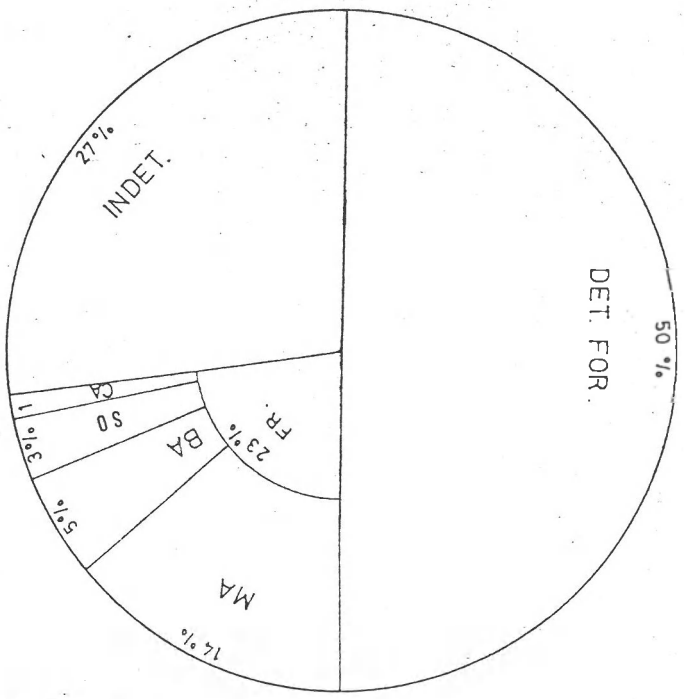
Intertidal

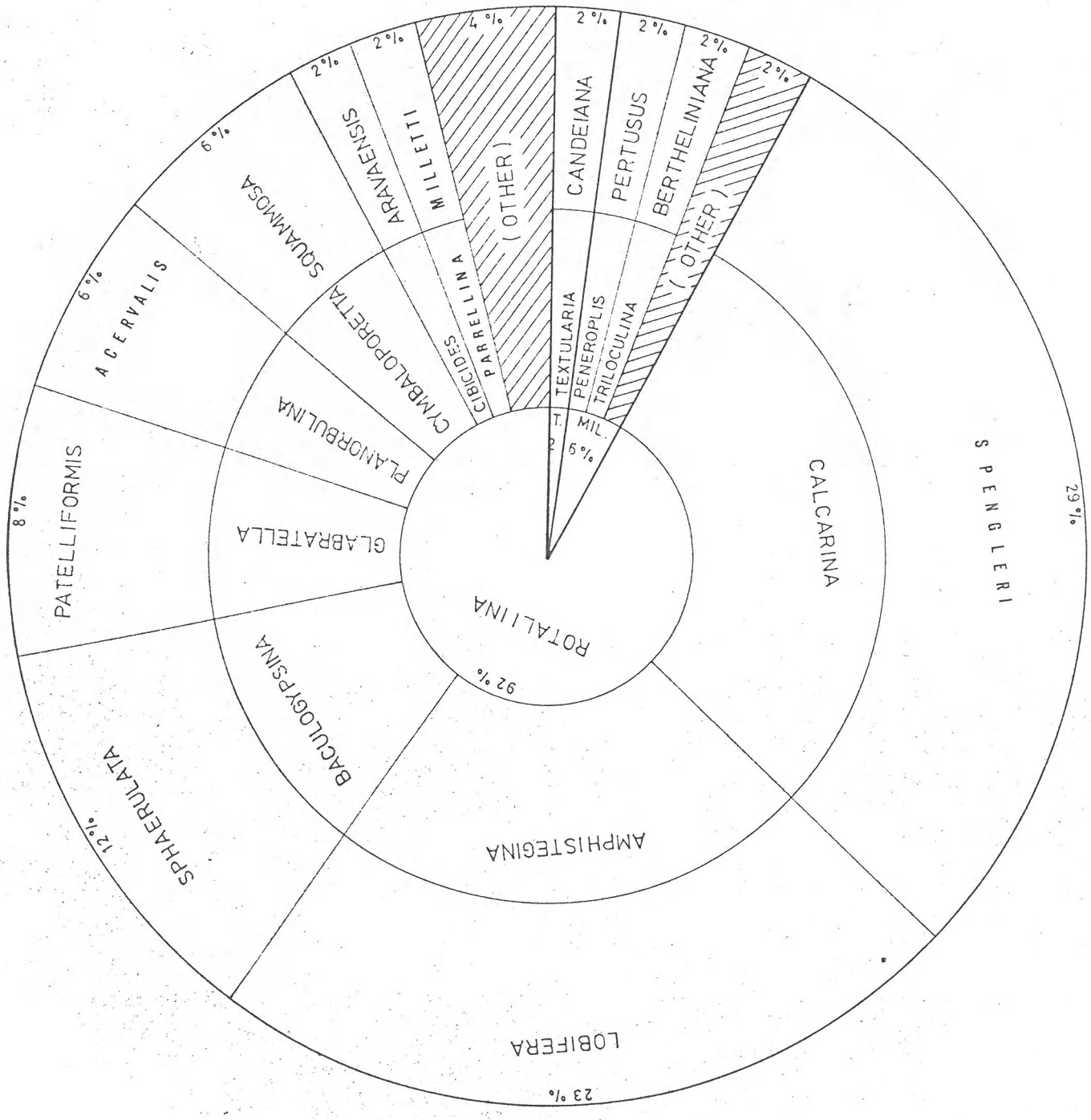
df/g = 488

fr/g = 225

indet/g = 263

T/g = 976





L 246

COCONUT FRINGING REEF FLAT

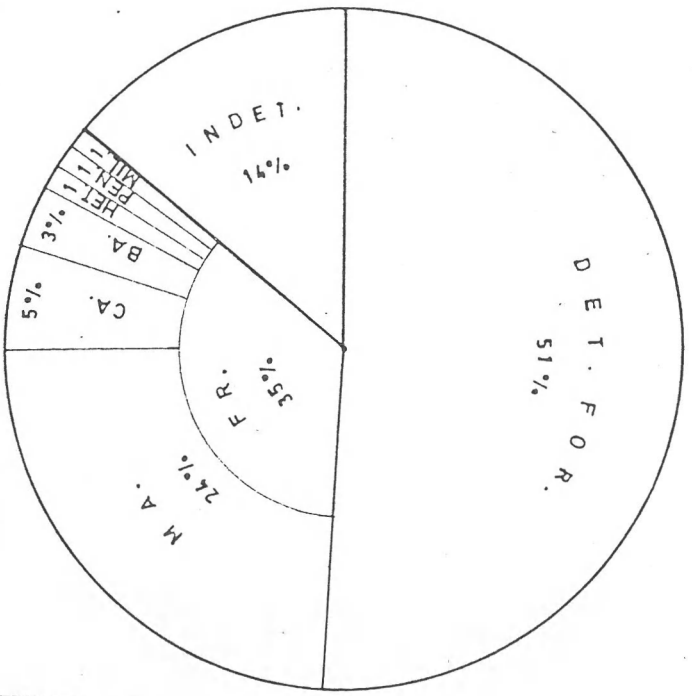
Intertidal

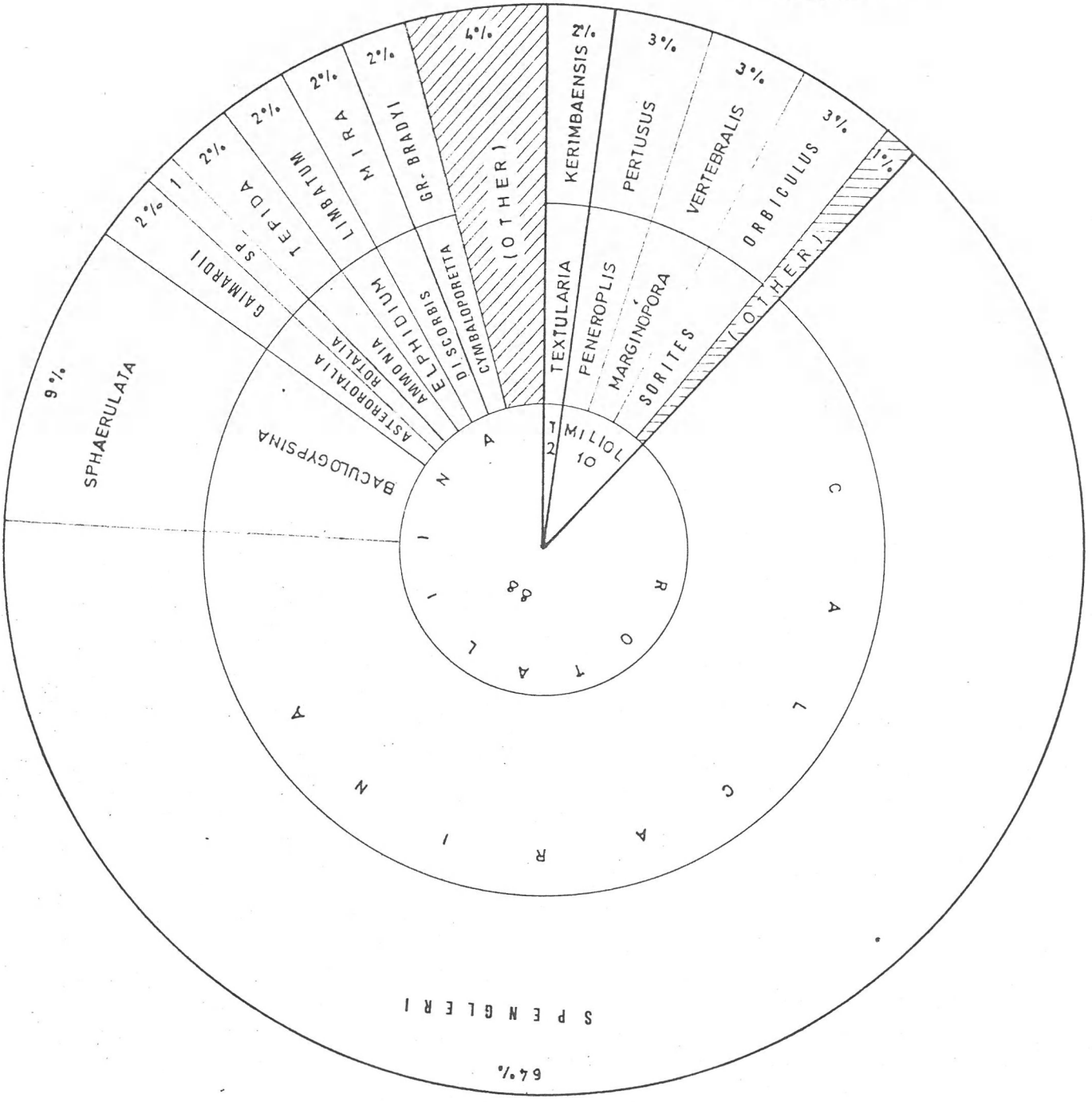
df/g = 237

fr/g = 160

indet/g = 65

T/g = 462





L 247 b

COCONUT FRINGING REEF FLAT

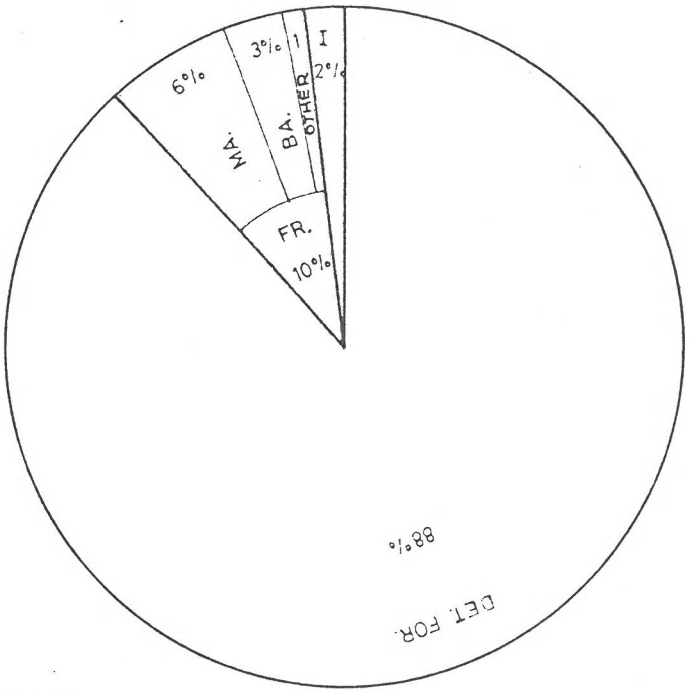
Intertidal

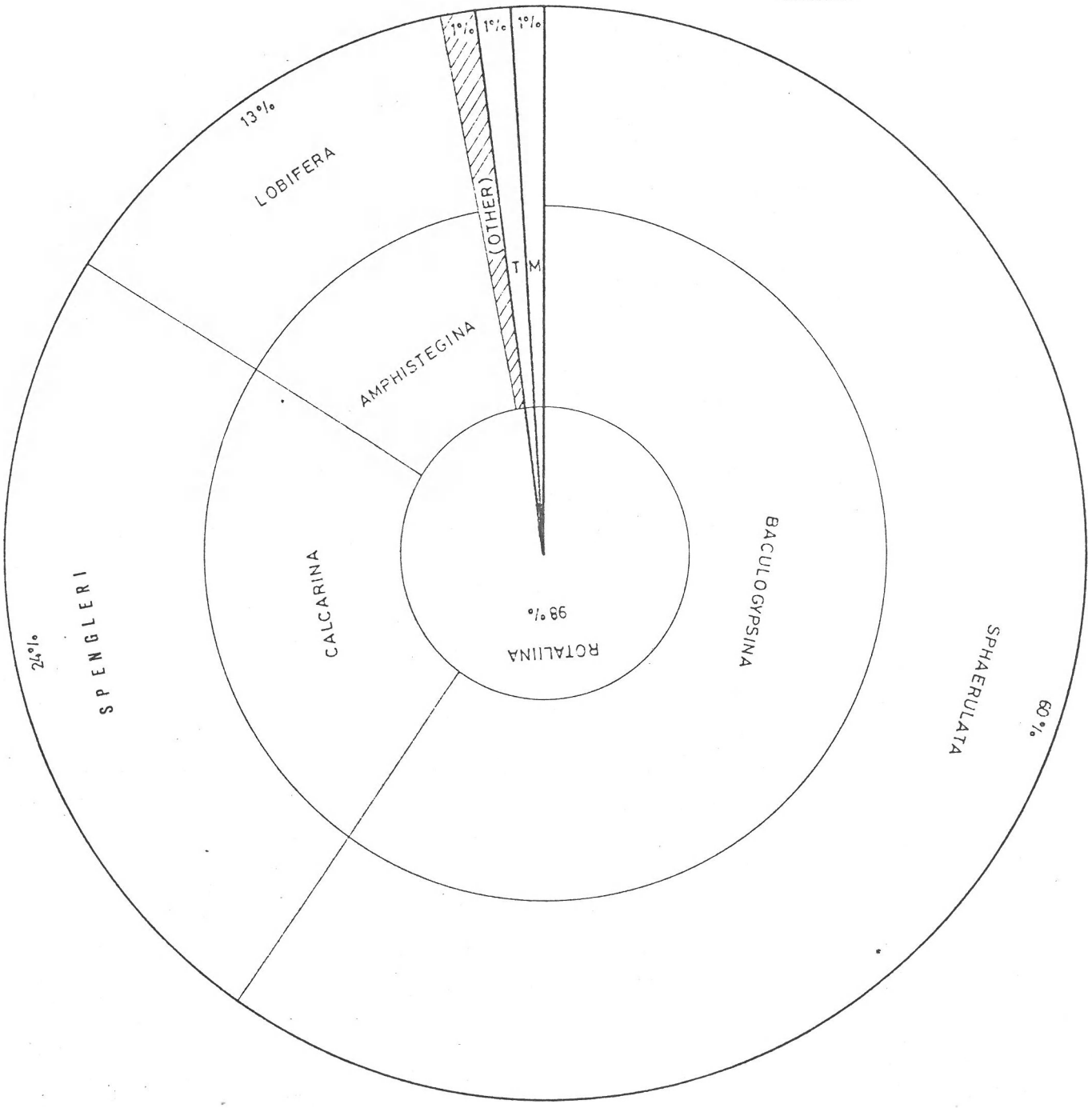
df/g = 390

fr/g = 45

indet/g = 9

T/g = 444





L 248

COCONUT FRINGING REEF FLAT

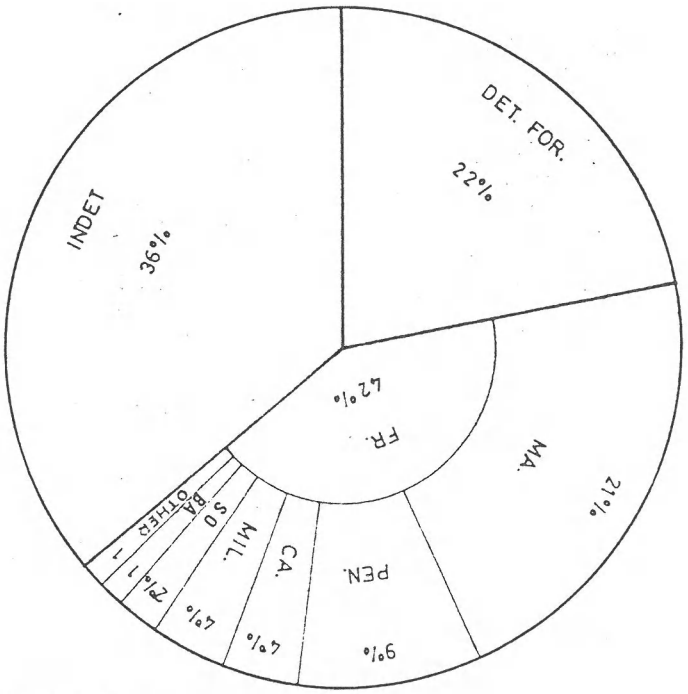
Intertidal

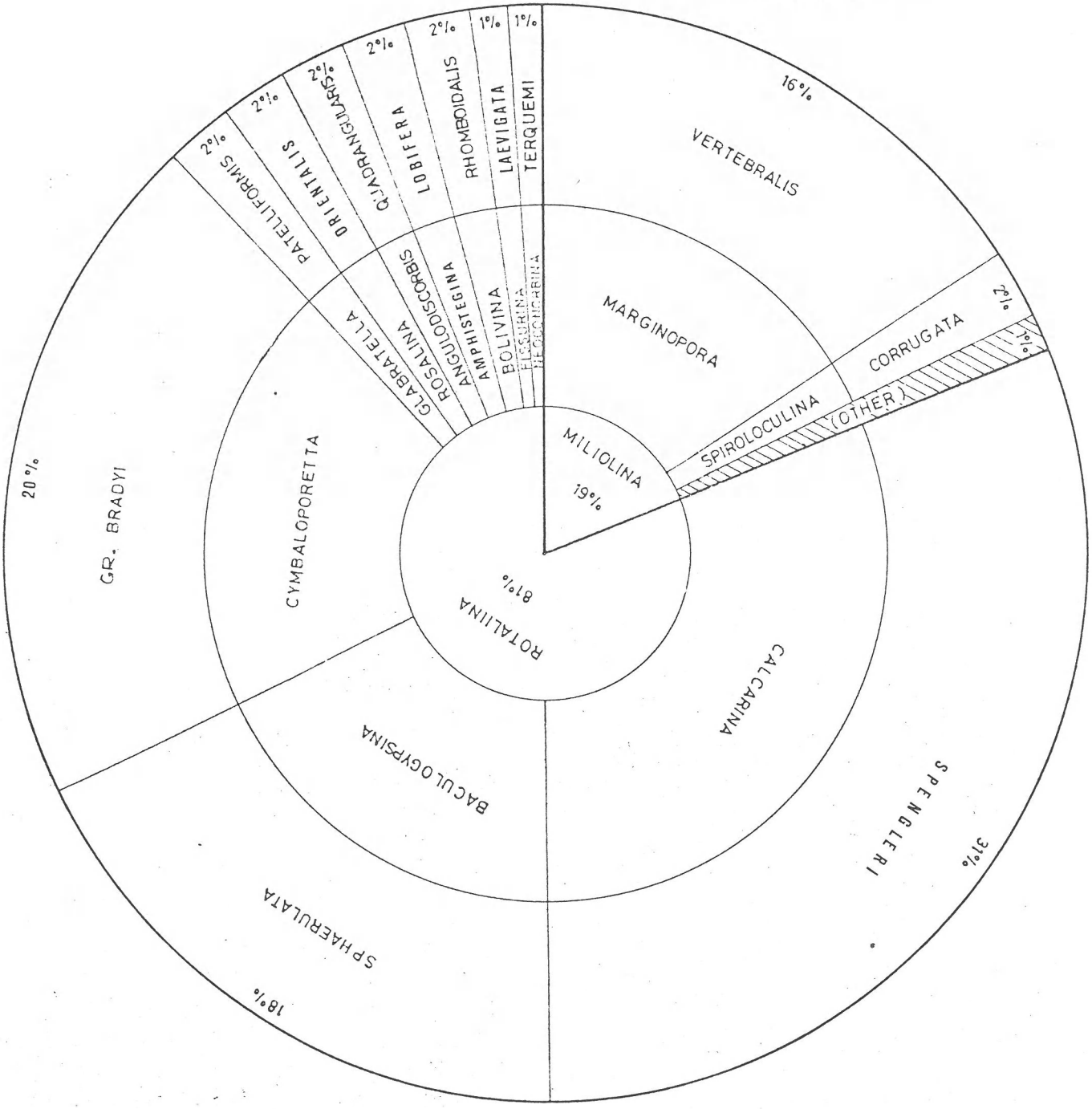
df/g = 217

fr/g = 409

indet/g = 349

T/g = 975





L 249

COCONUT FRINGING REEF FLAT

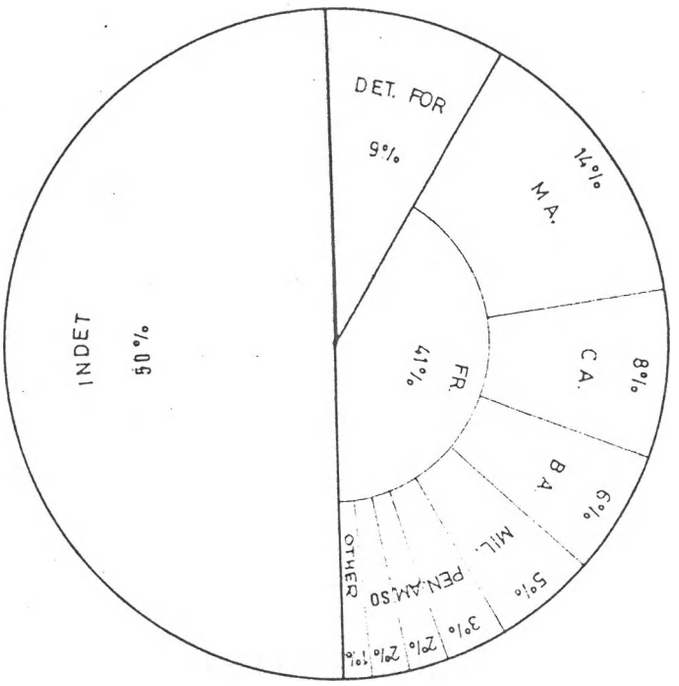
Intertidal

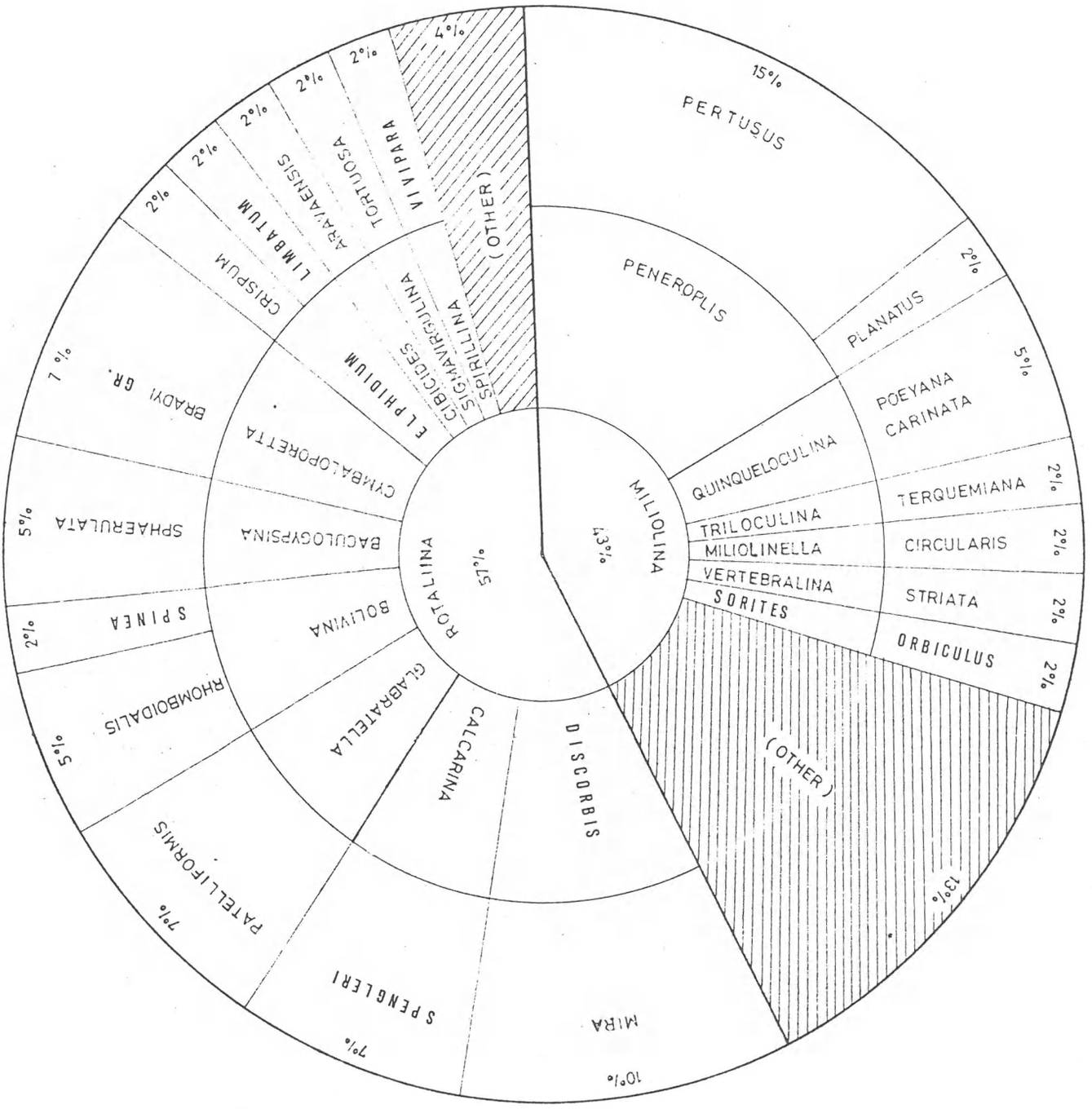
df/g = 690

fr/g = 3017

indet/g = 3466

T/g = 7273





L 250

COCONUT FRINGING REEF FLAT

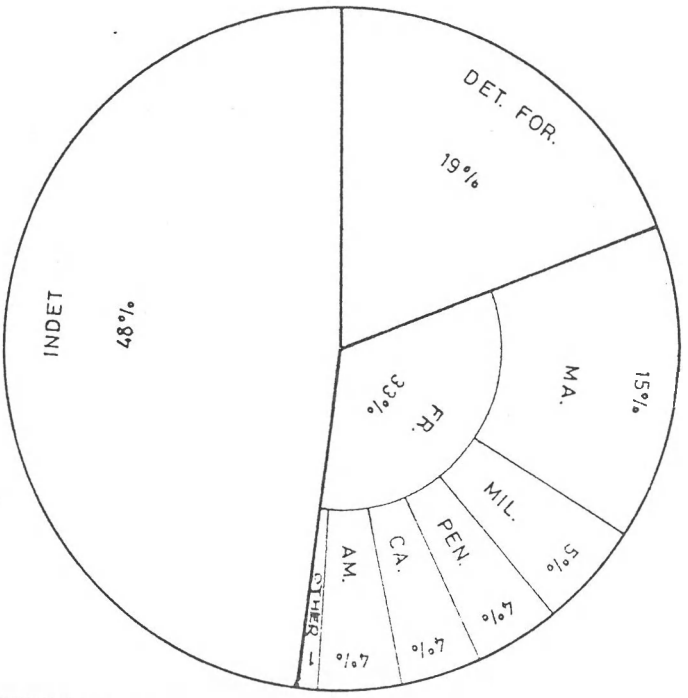
Intertidal

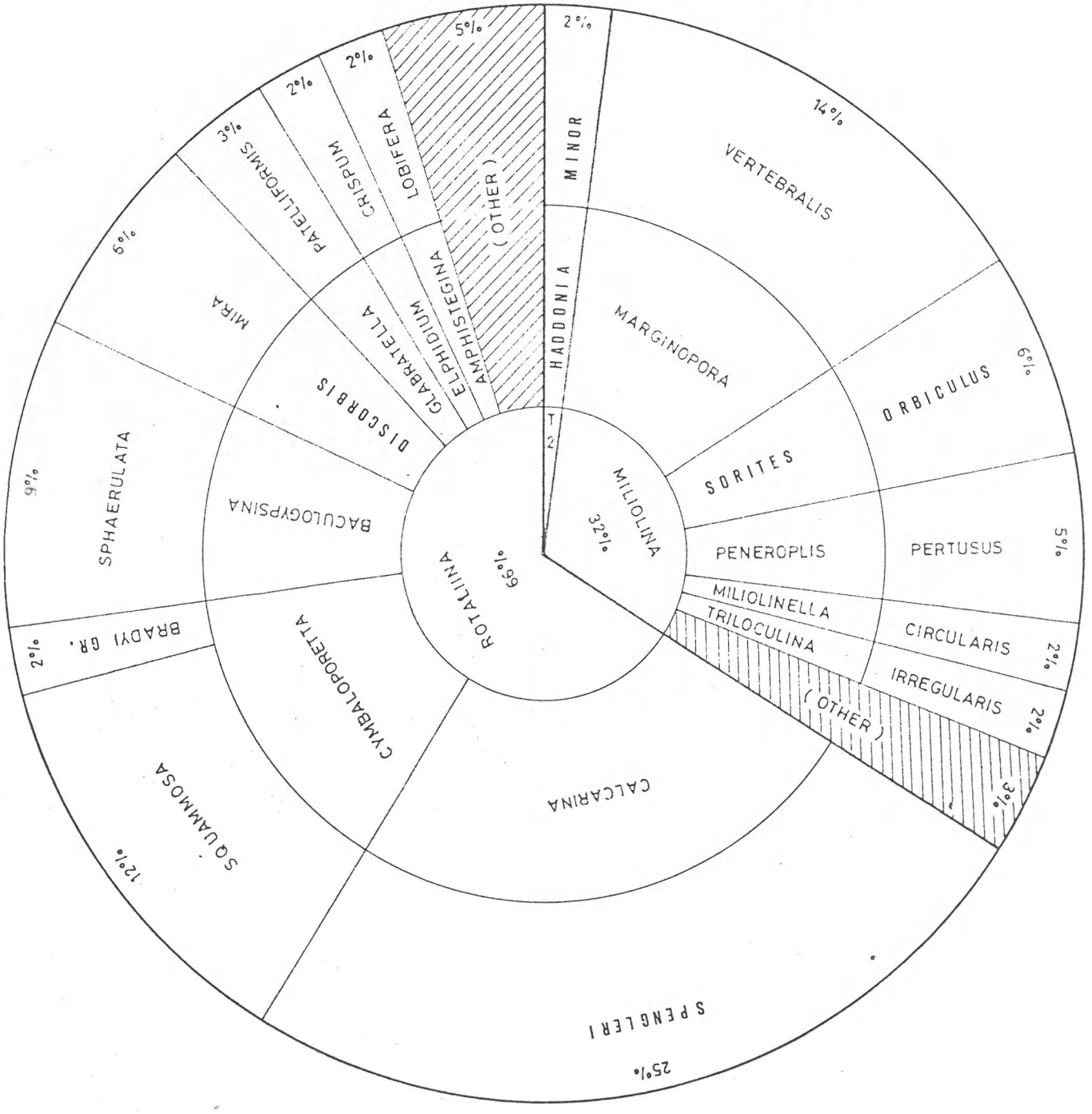
df/g = 378

fr/g = 643

indet/g = 927

T/g = 1968





L 251 b

COCONUT FRINGING REEF FLAT

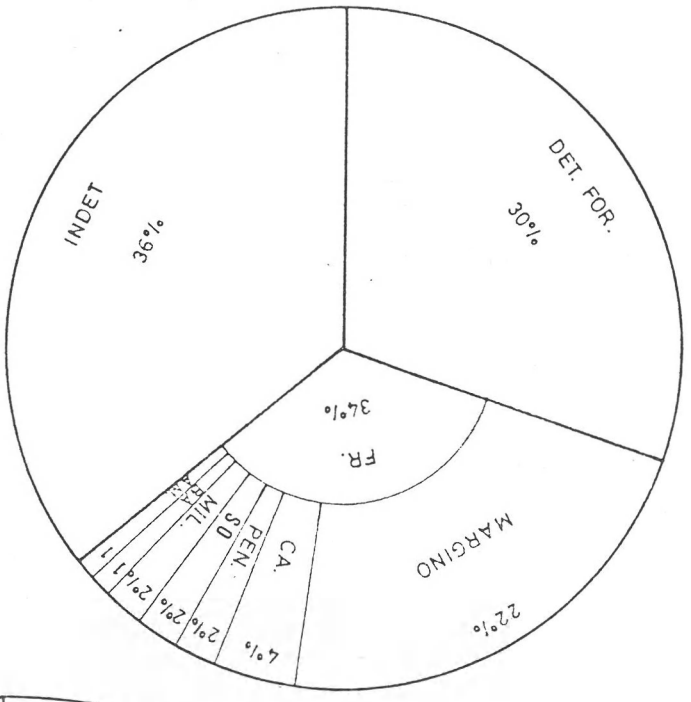
Intertidal

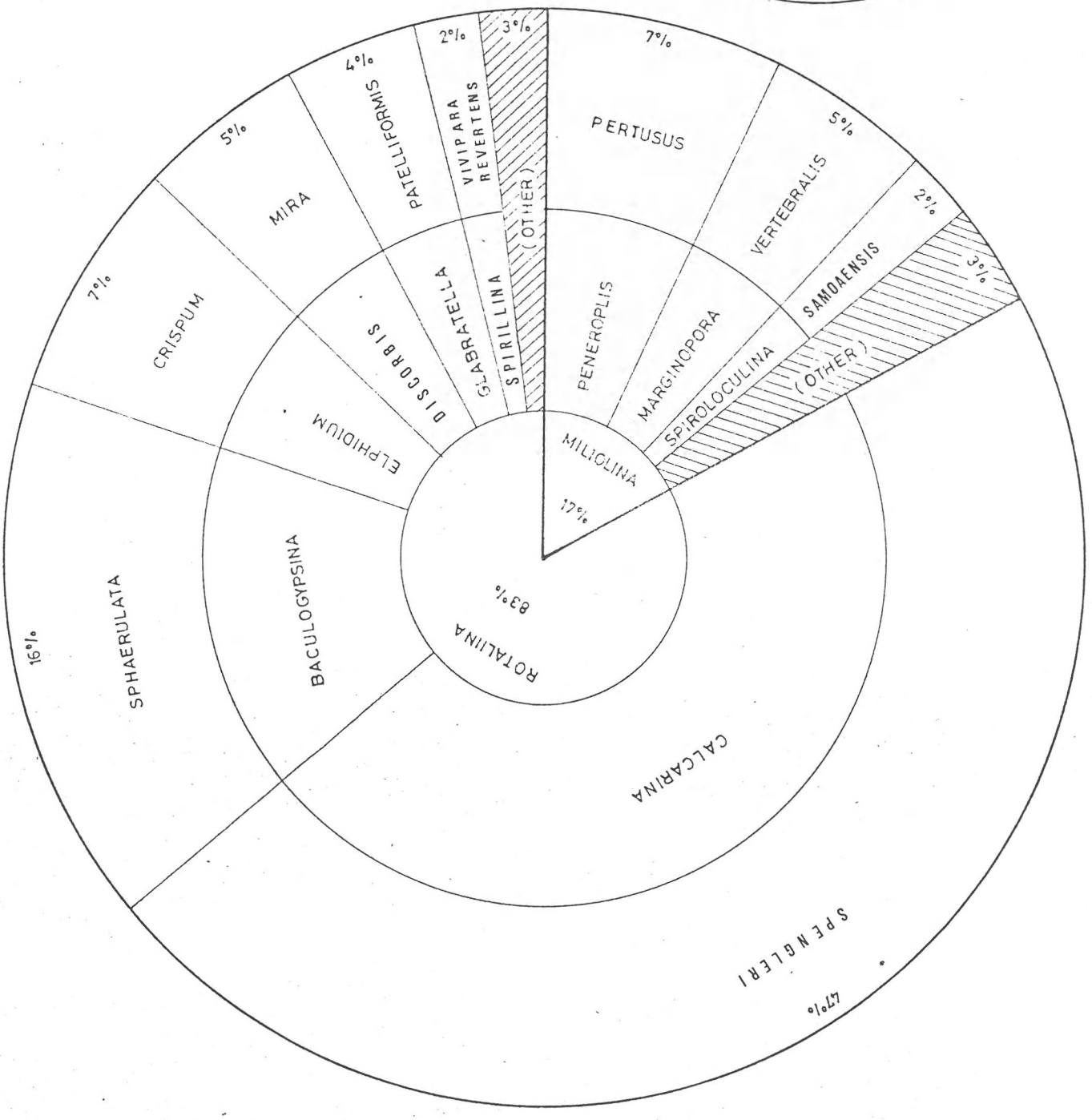
df/g = 287

fr/g = 327

indet/g = 352

T/g = 966





L 252

COCONUT FRINGING REEF FLAT

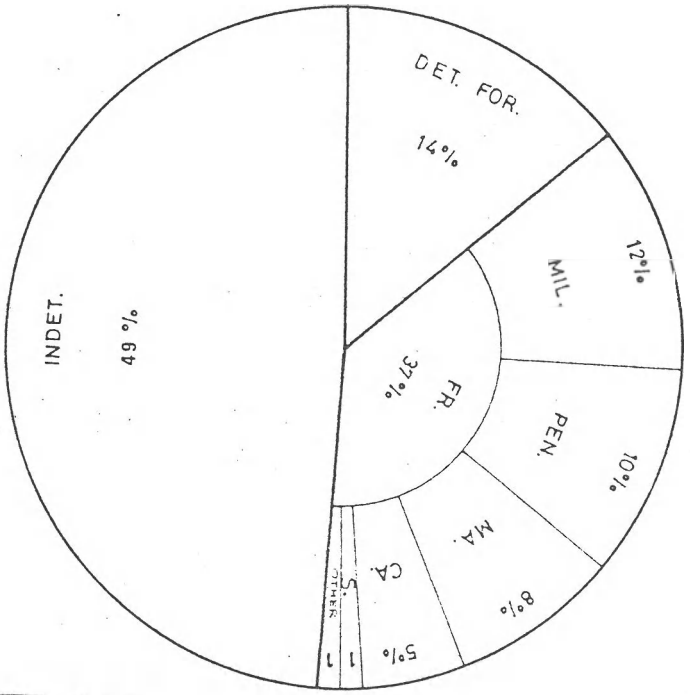
Intertidal

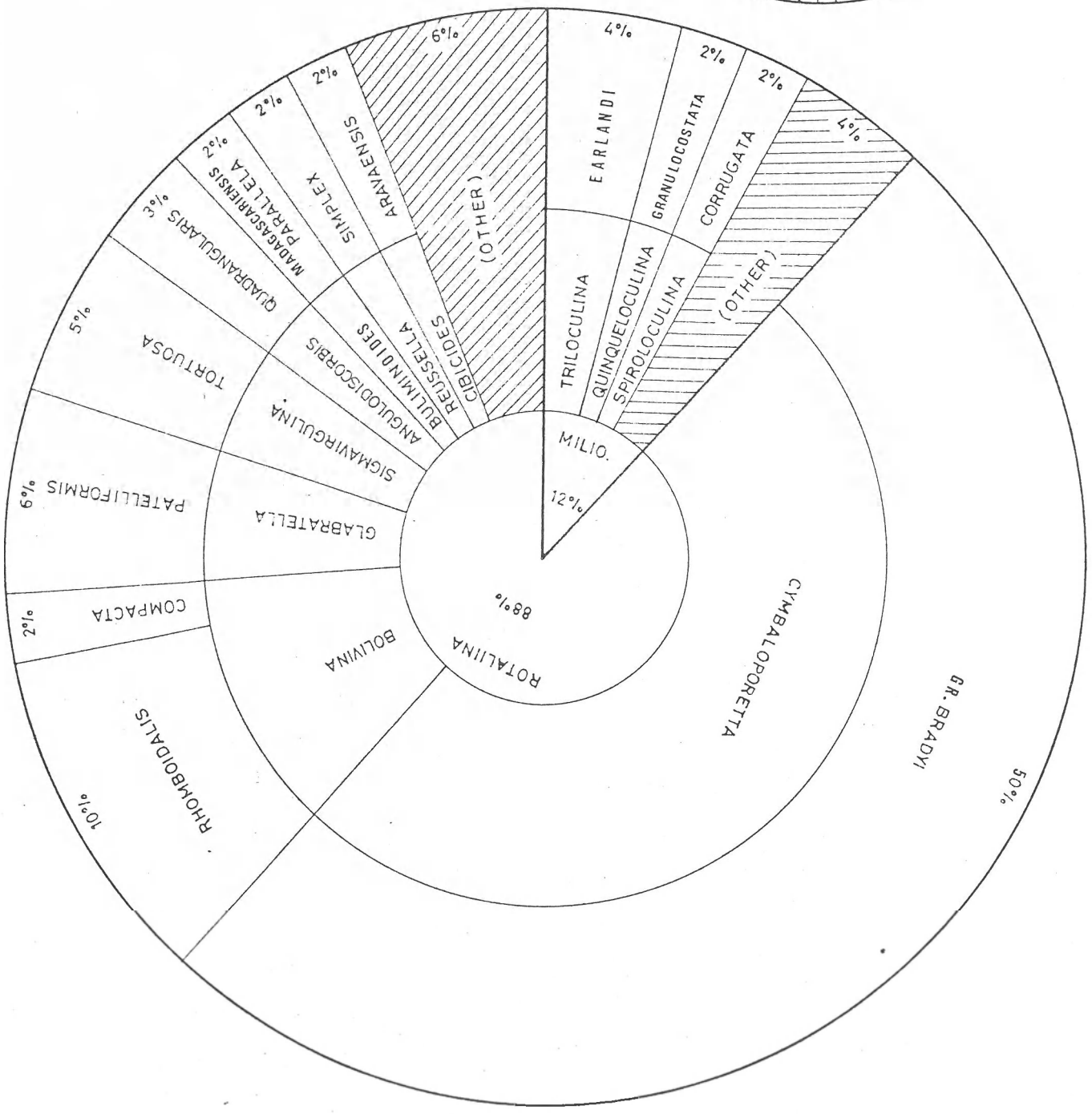
df/g = 5230

fr/g = 13473

indet/g = 17490

T/g = 36193





L 253

WINDWARD BARRIER

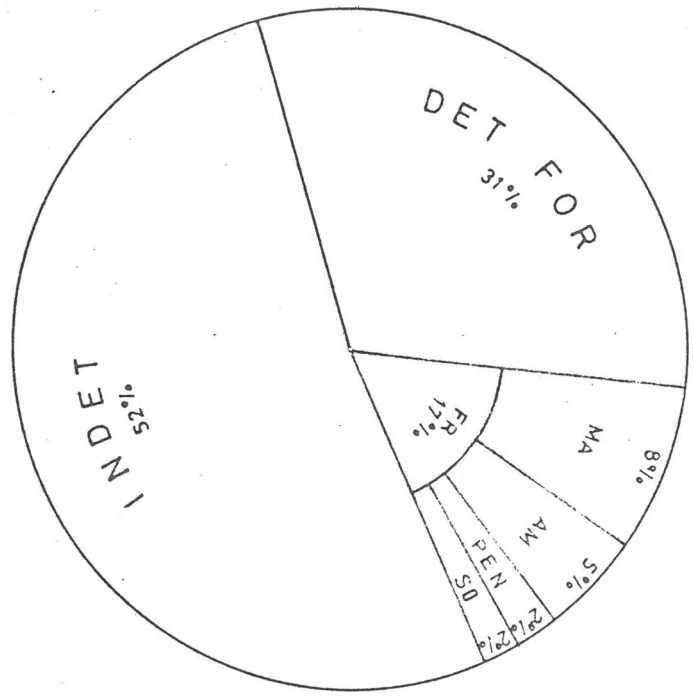
- 1 m

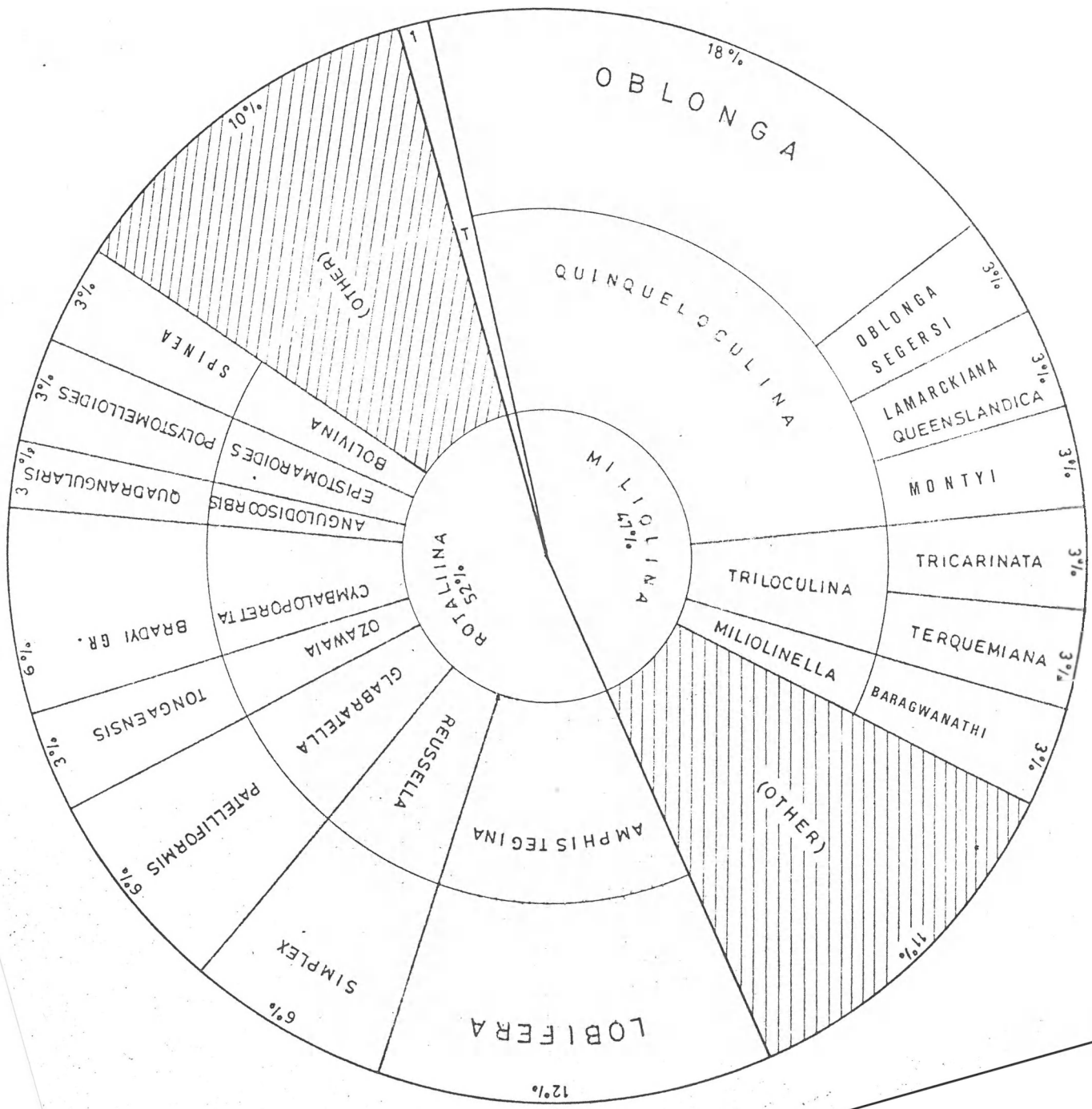
df/g = 123

fr/g = 67

indet/g = 208

T/g = 398





L 254

WINDWARD BARRIER

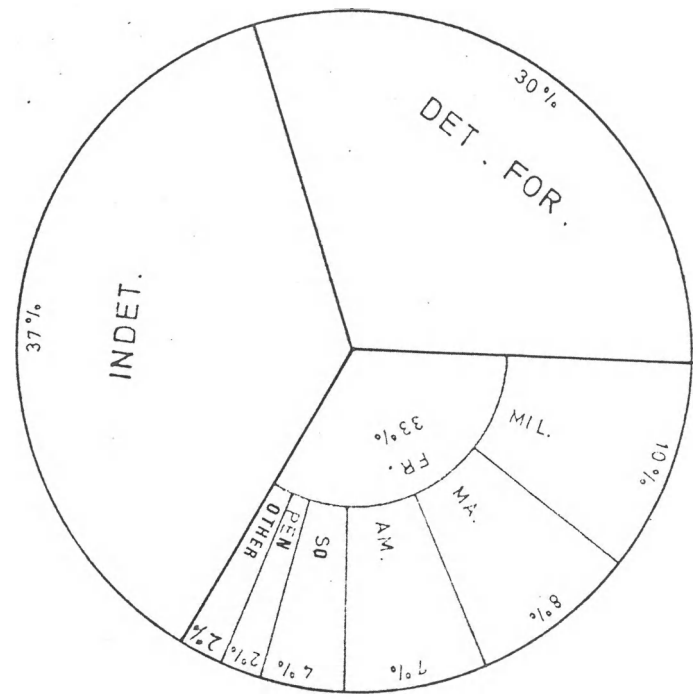
Intertidal

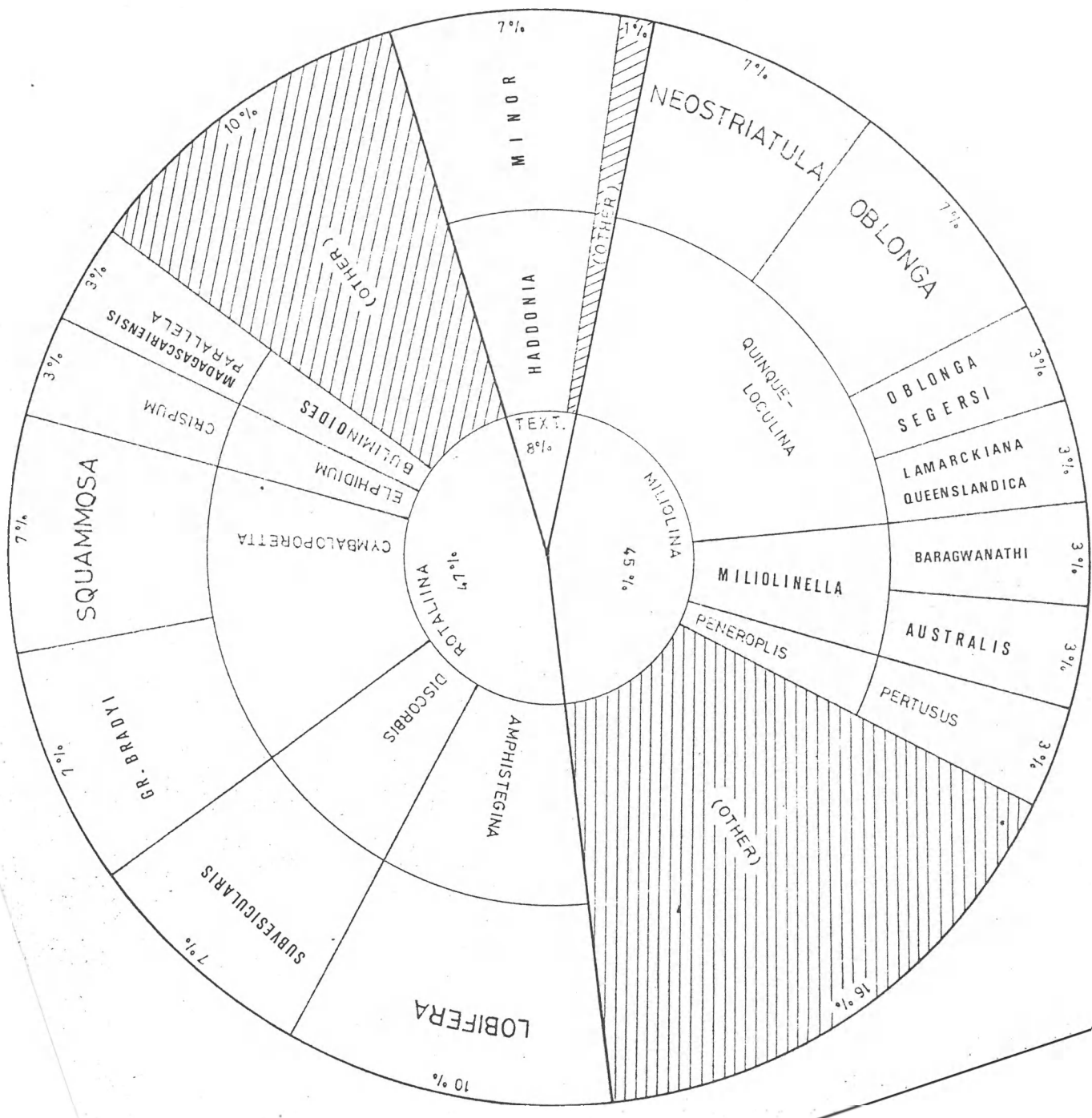
df/g = 318

fr/g = 350

indet/g = 382

T/g = 1050





L 255 b

WINDWARD BARRIER

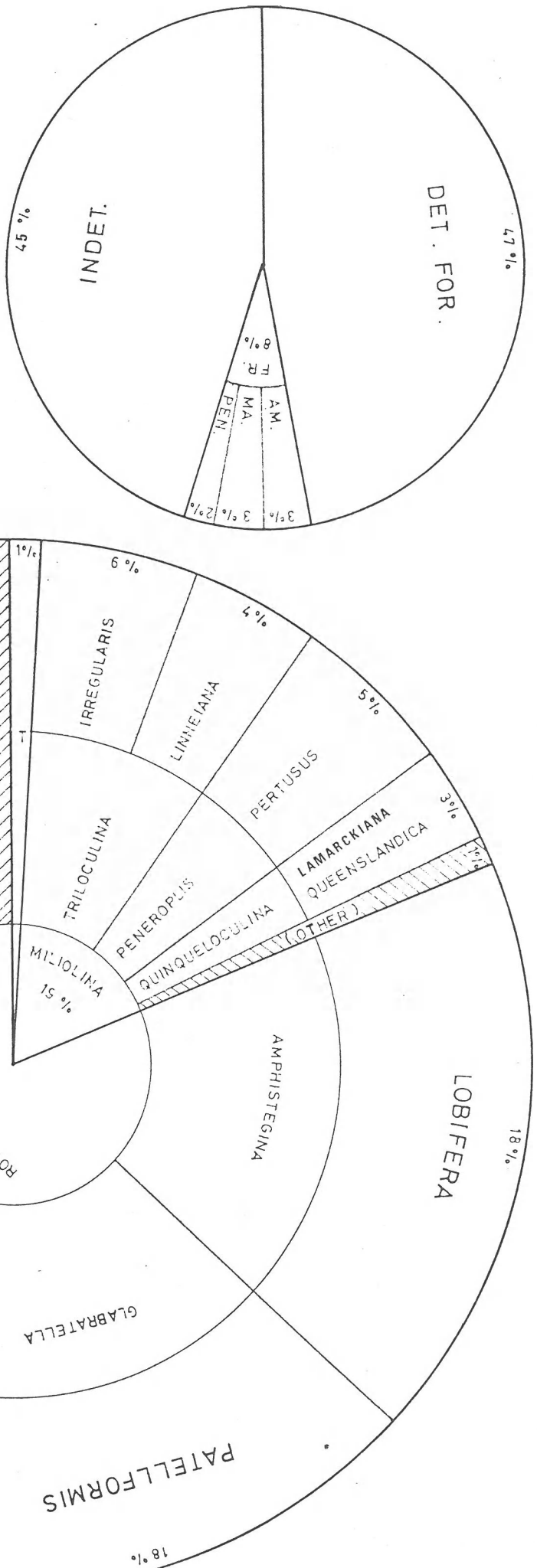
Intertidal

df/g = 408

fr/g = 72

indet/g = 384

T/g = 864



L 256

WINDWARD BARRIER

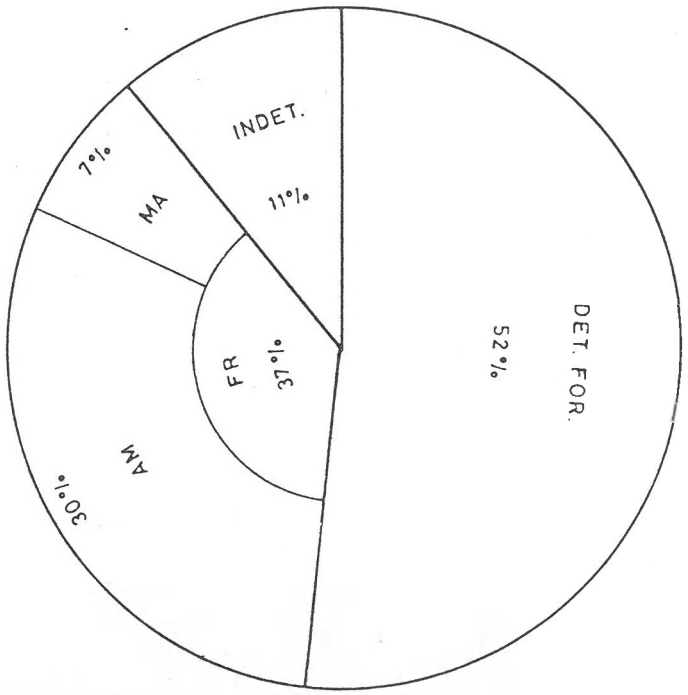
Intertidal

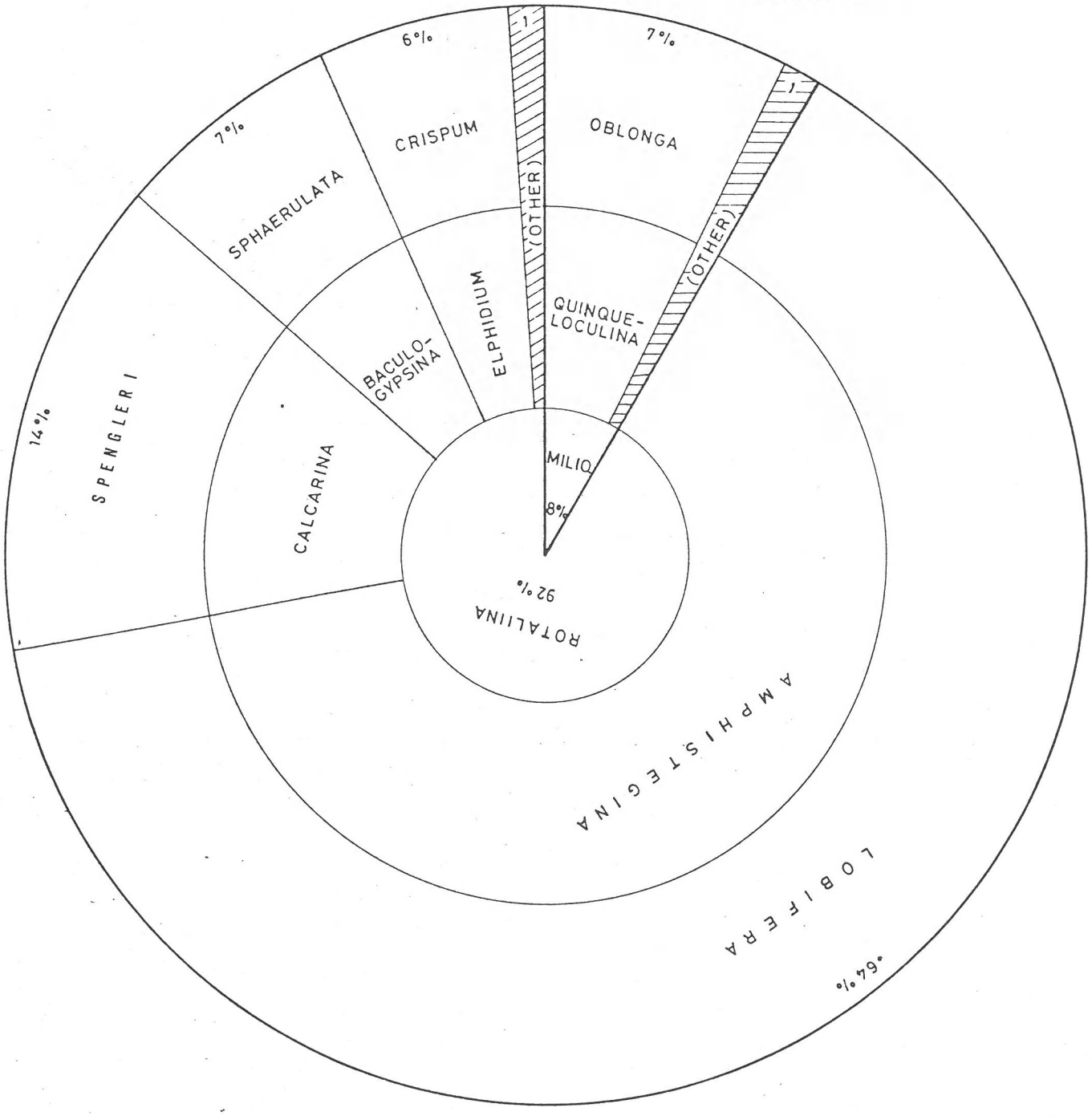
df/g = 52

fr/g = 37

indet/g = 11

T/g = 100





L 257

WINDWARD BARRIER

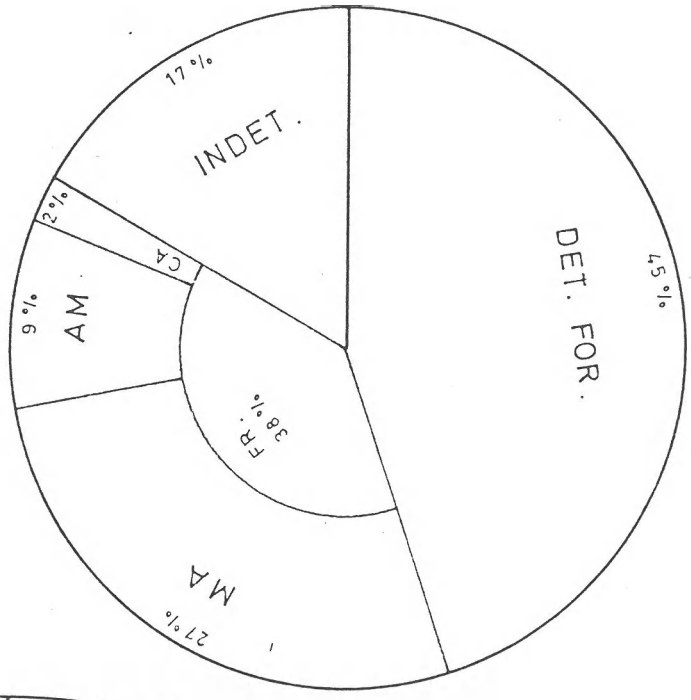
Intertidal

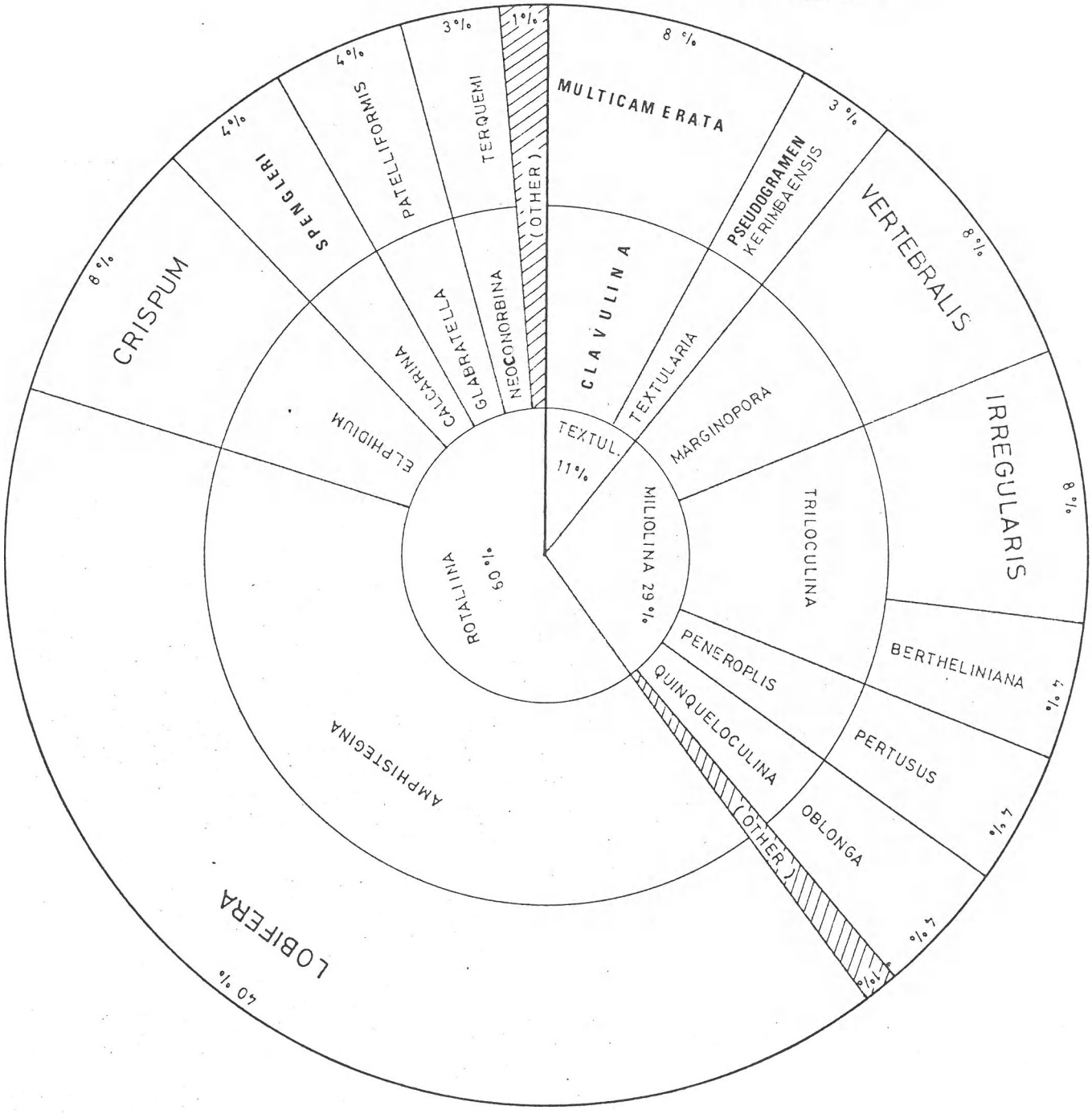
df/g = 275

fr/g = 231

indet/g = 99

T/g = 605





L 258

WINDWARD BARRIER

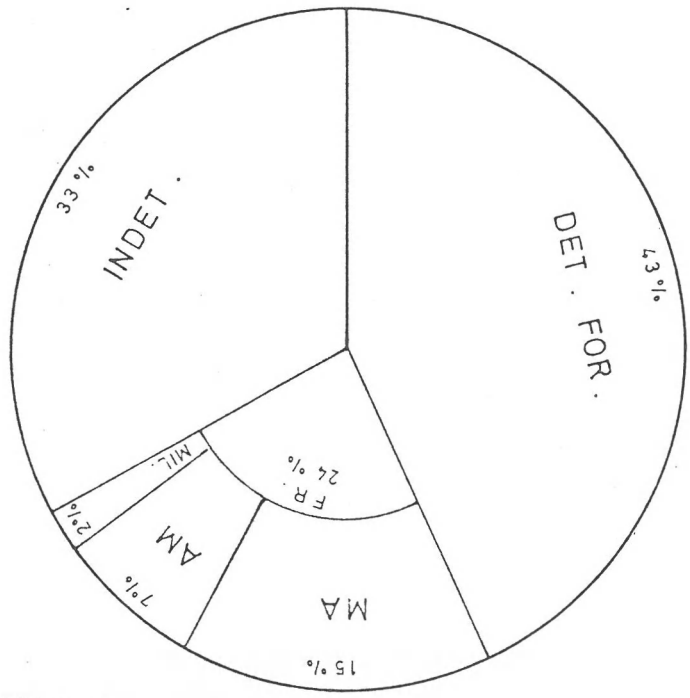
Intertidal

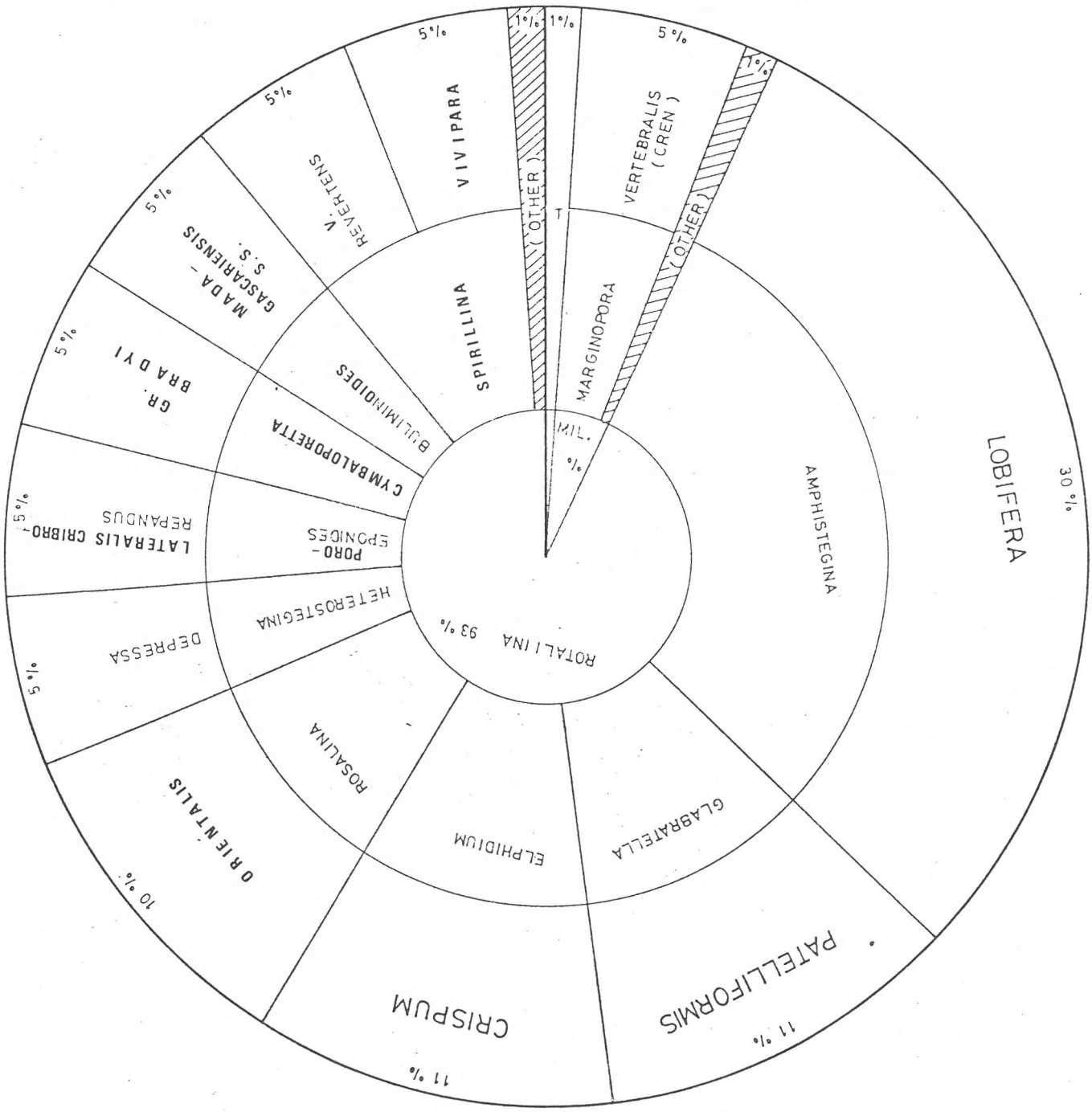
df/g = 177

fr/g = 97

indet/g = 133

T/g = 407





L 259 b

WINDWARD BARRIER

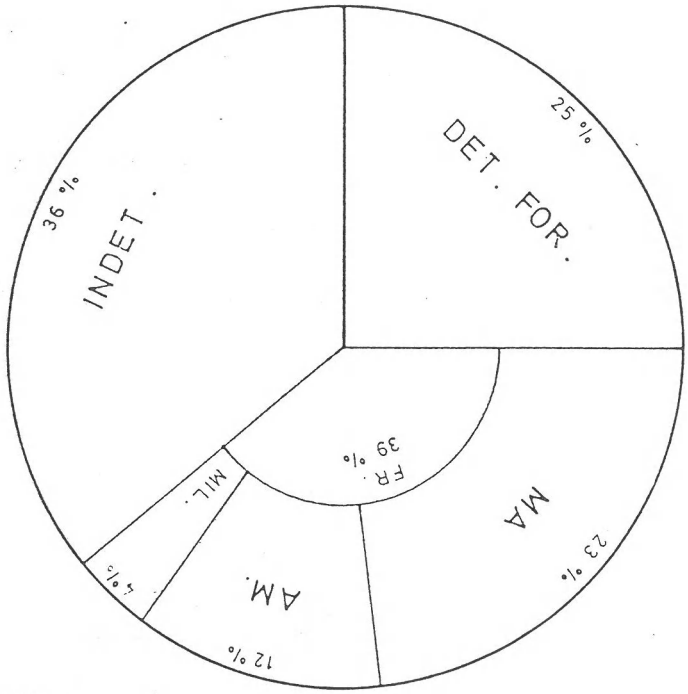
Intertidal

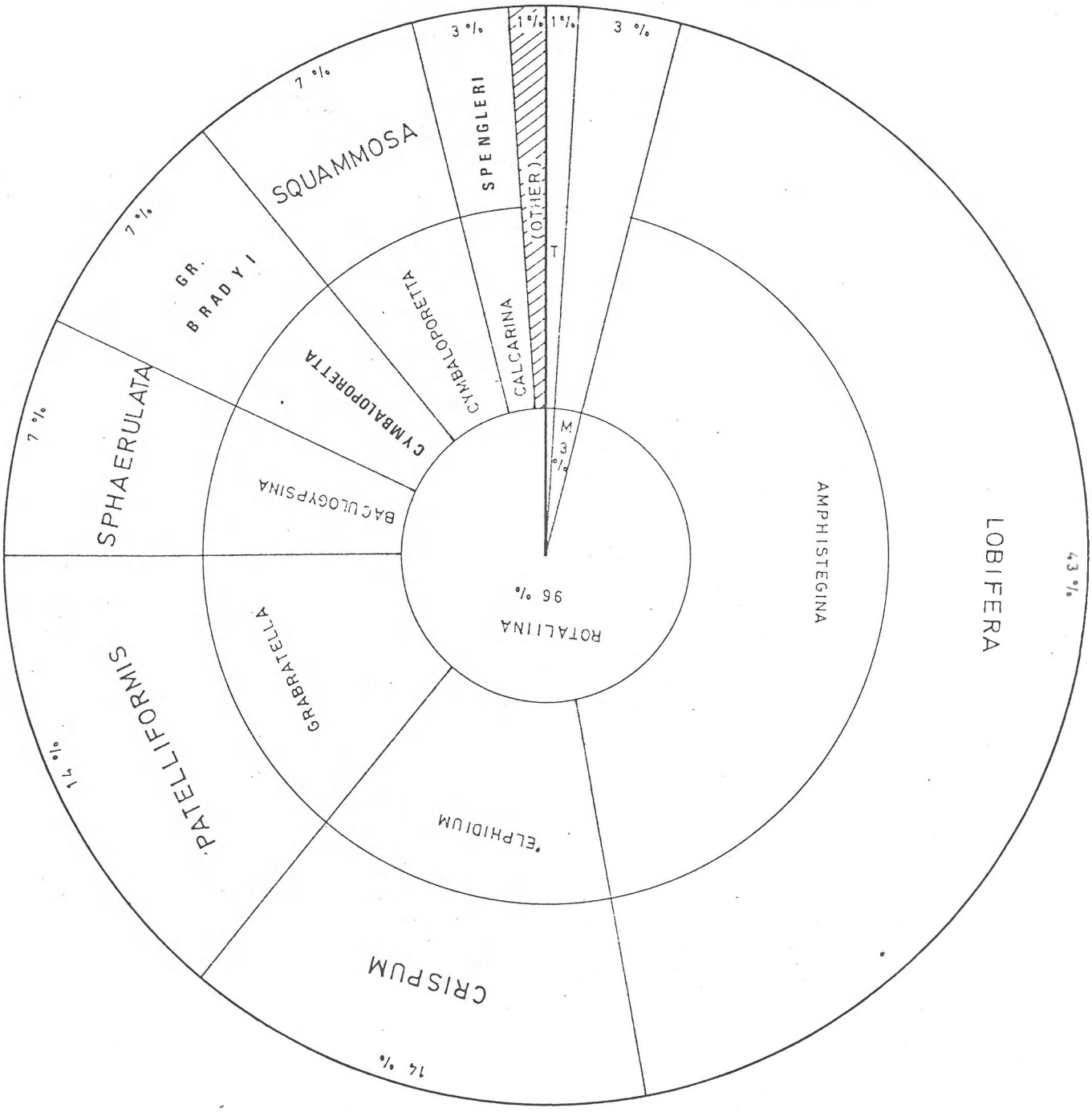
df/g = 277

fr/g = 39

indet/g = 208

T/g = 398





L 260

WINDWARD BARRIER

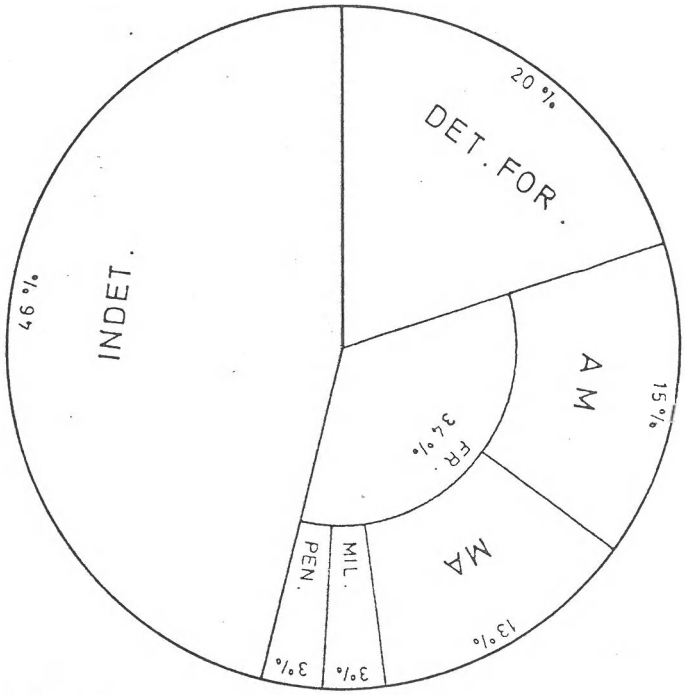
Intertidal

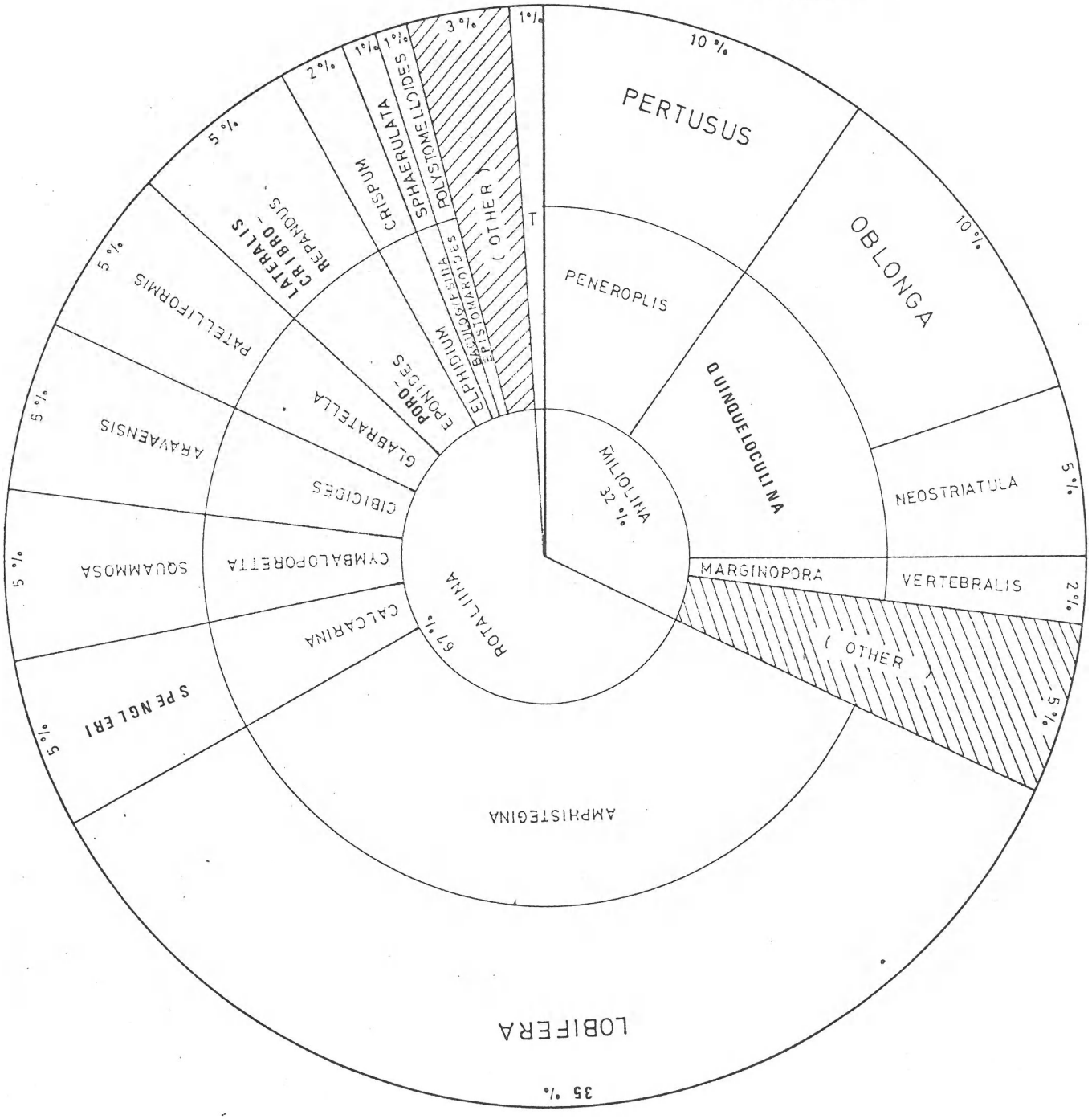
df/g = 490

fr/g = 809

indet/g = 1103

T/g = 2402





L 261

WINDWARD BARRIER

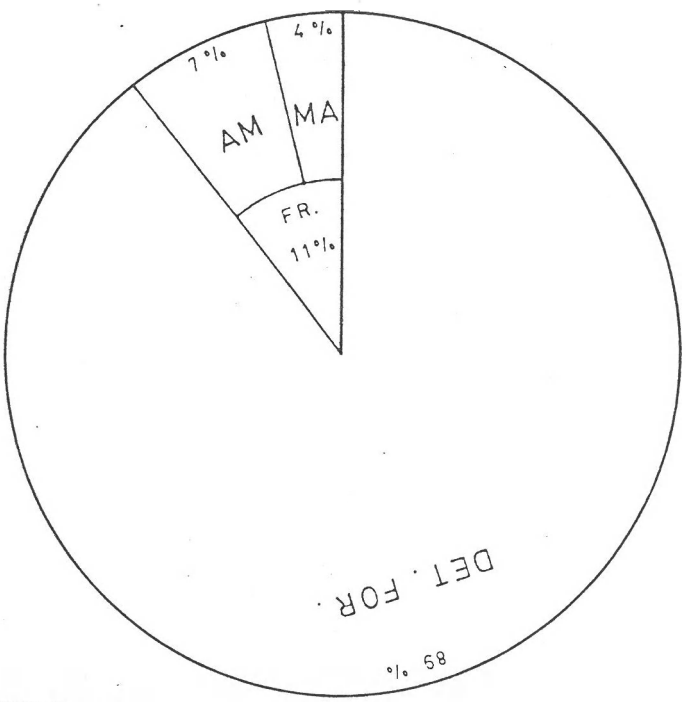
Intertidal

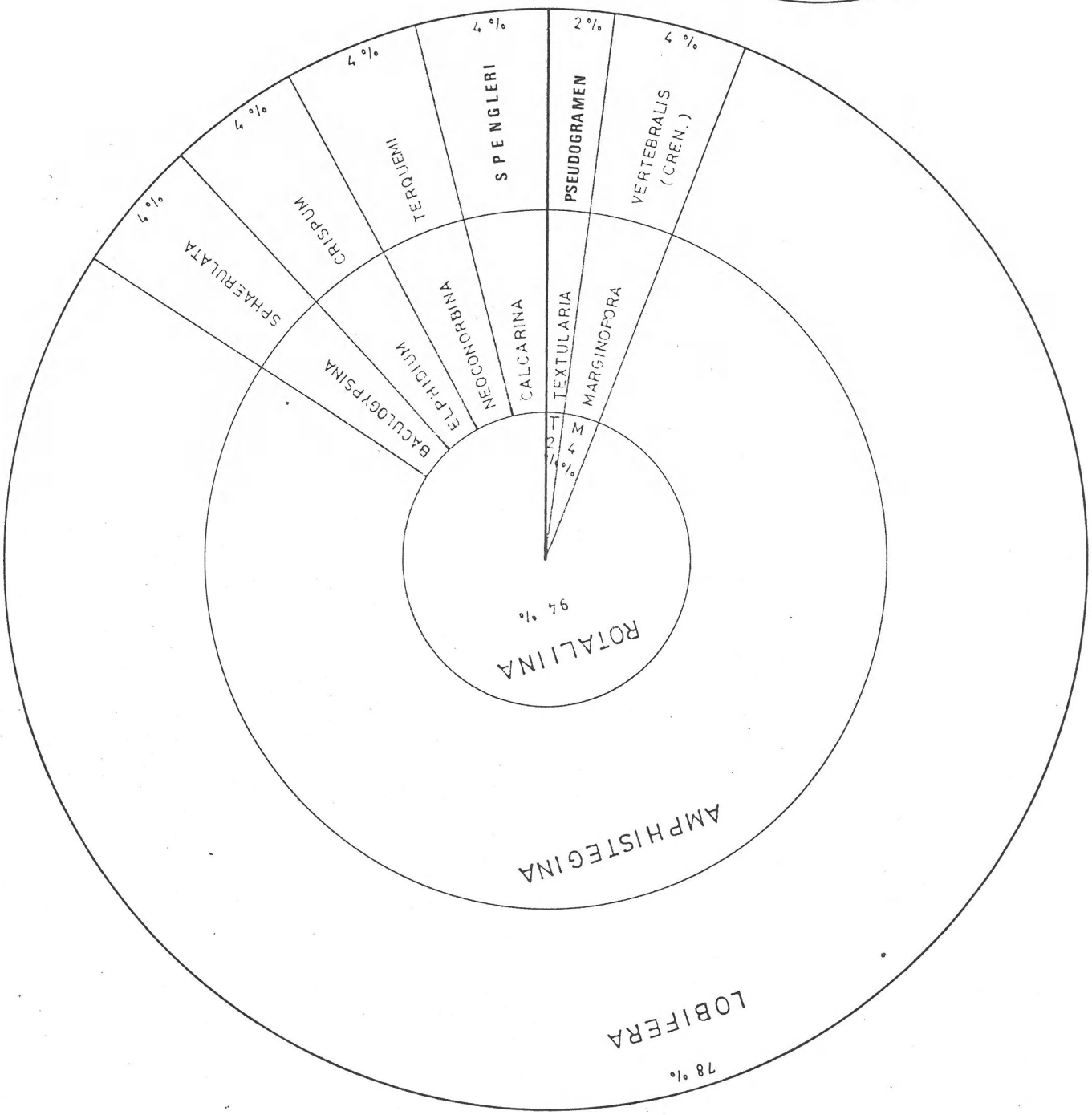
df/g = 109

fr/g = 14

indet/g = -

T/g = 123





L 262

SOUTHERN BARRIER

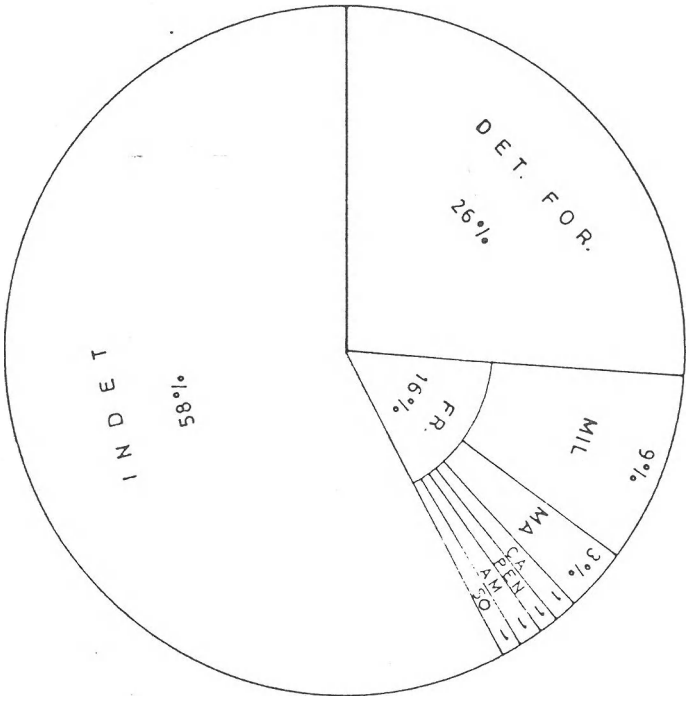
Intertidal

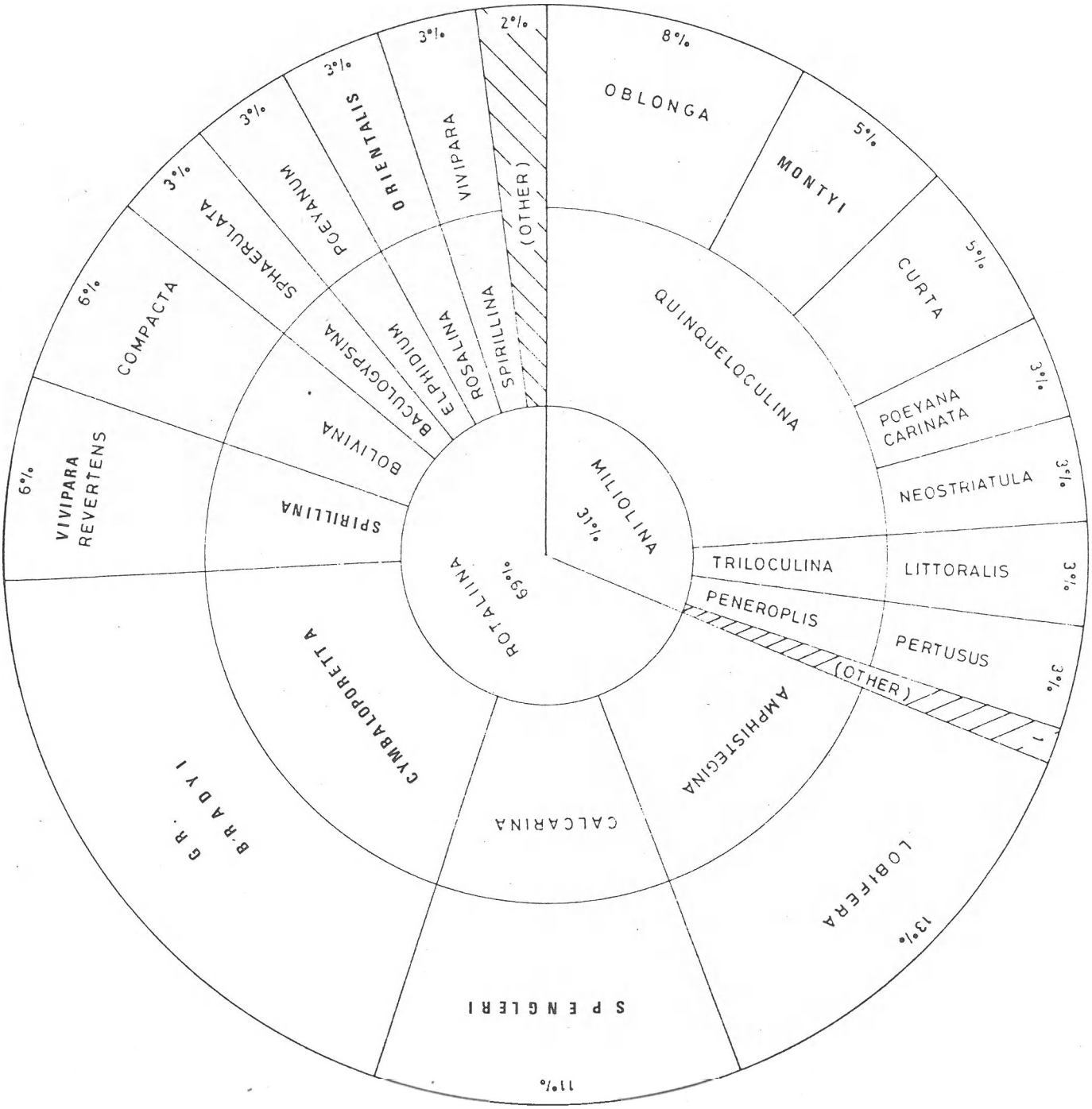
df/g = 133

fr/g = 81

indet/g = 288

T/g = 502





L 263

SOUTHERN BARRIER

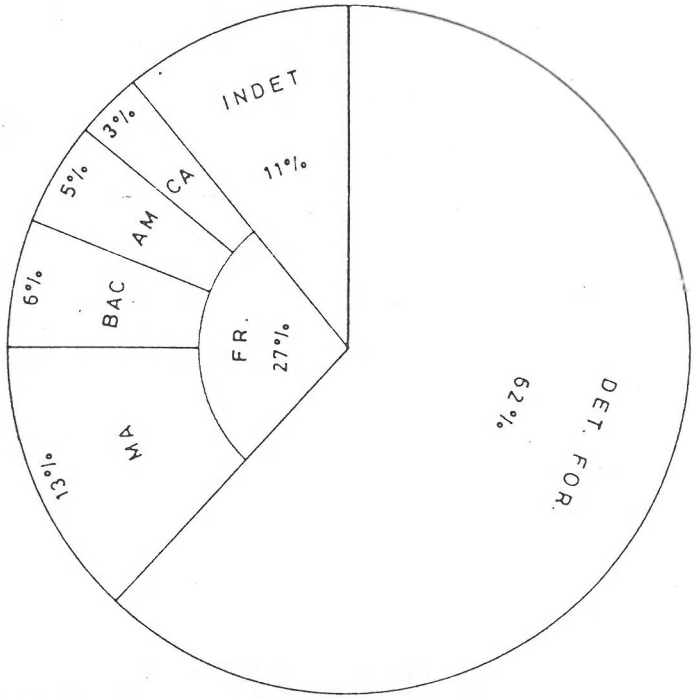
Intertidal

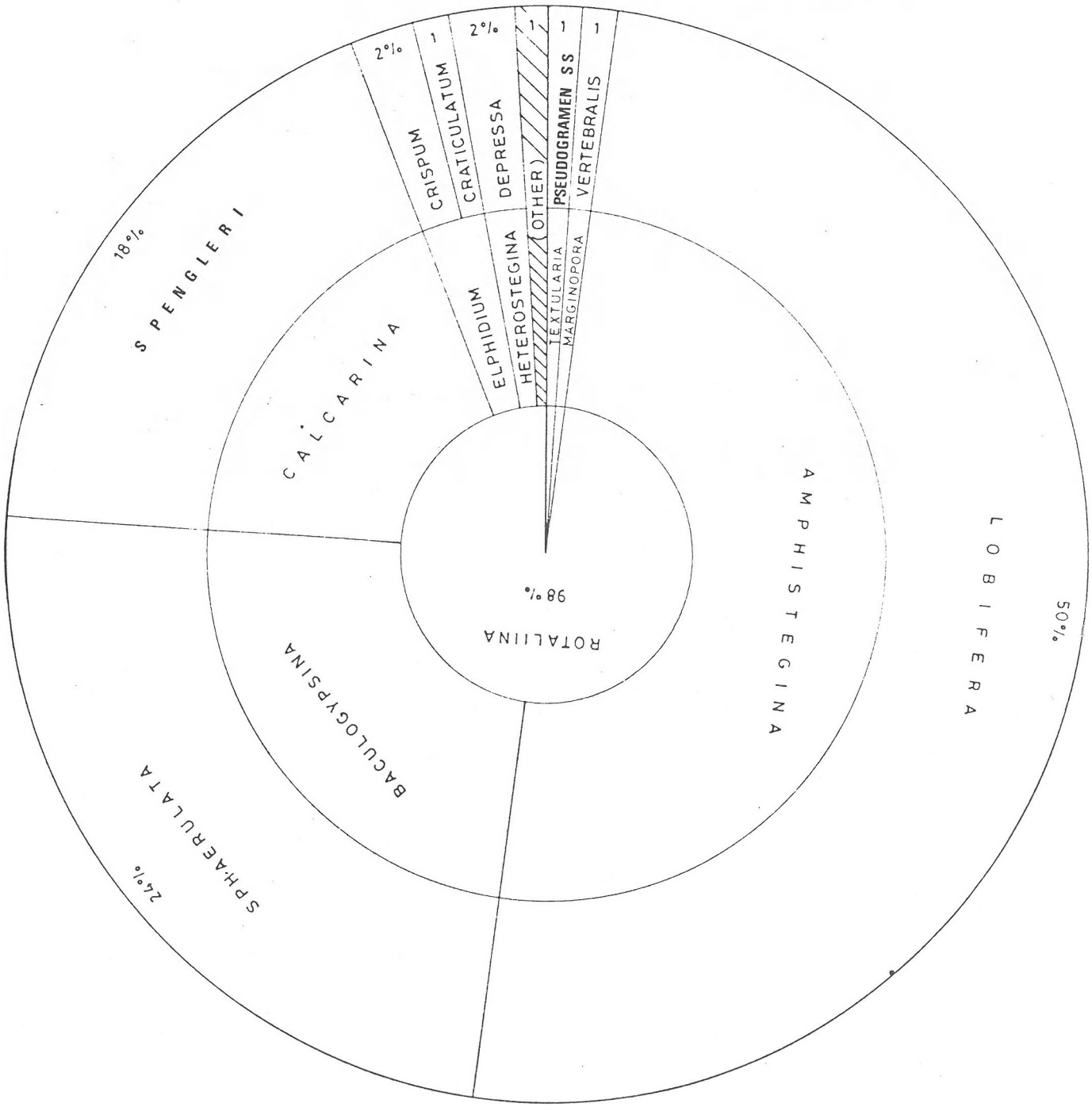
df/g = 155

fr/g = 68

indet/g = 27

T/g = 250





L 264

SOUTHERN BARRIER

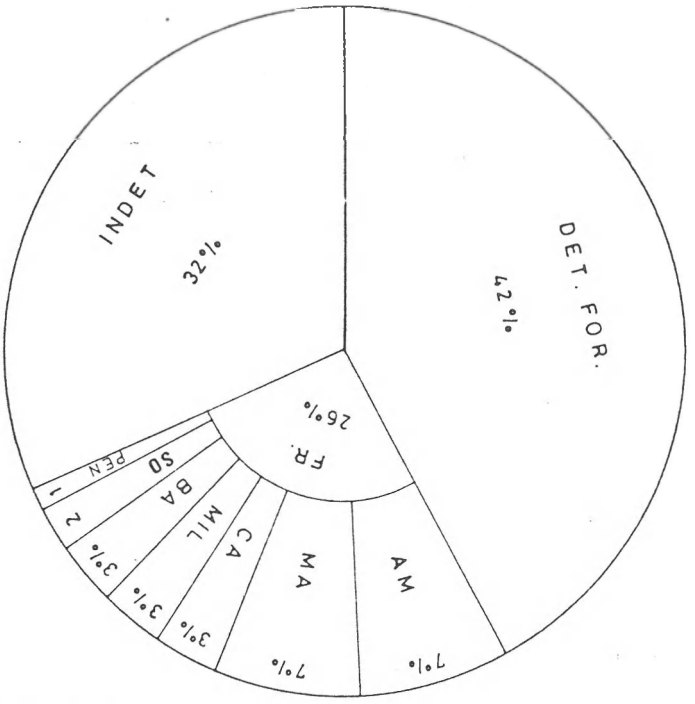
Intertidal

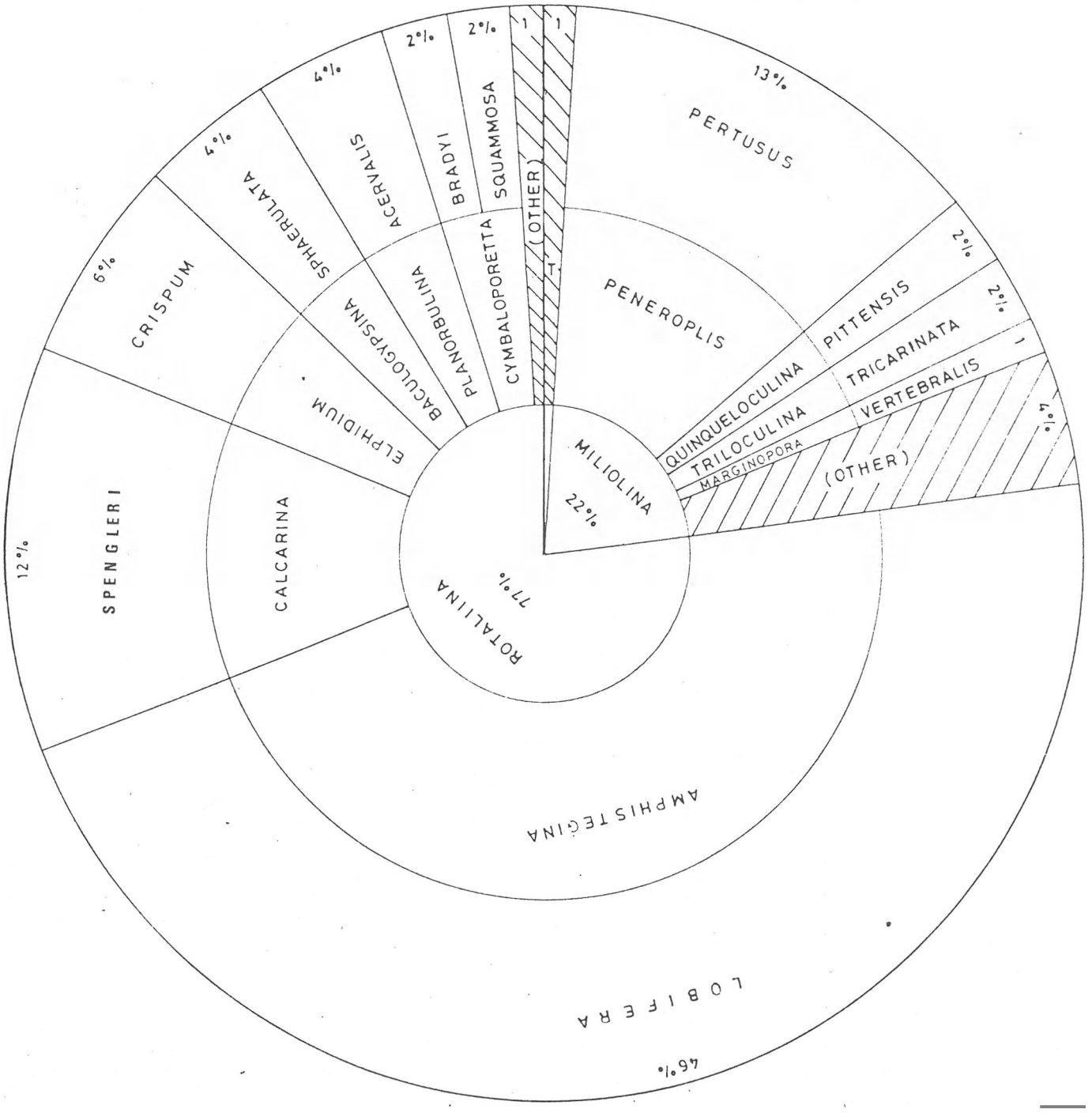
df/g = 430

fr/g = 265

indet/g = 339

T/g = 1034





L 265 b

SOUTHERN BARRIER

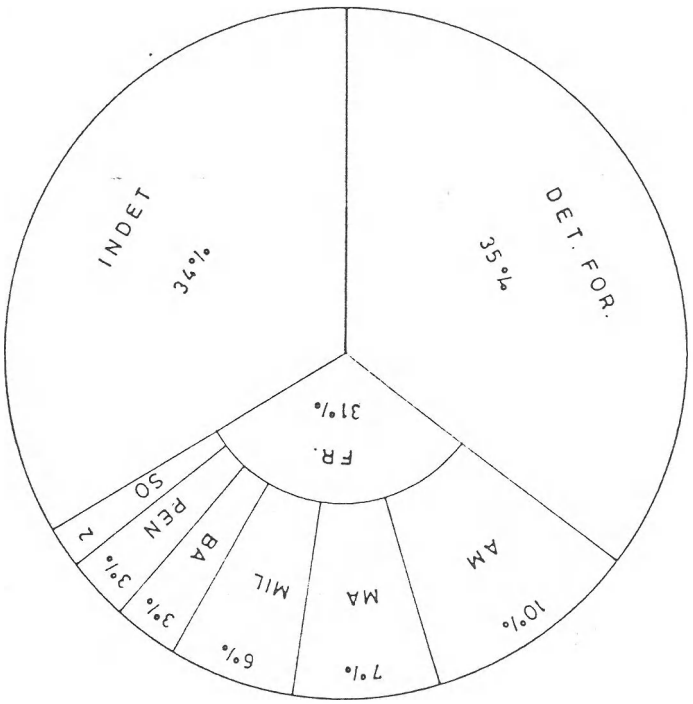
Intertidal

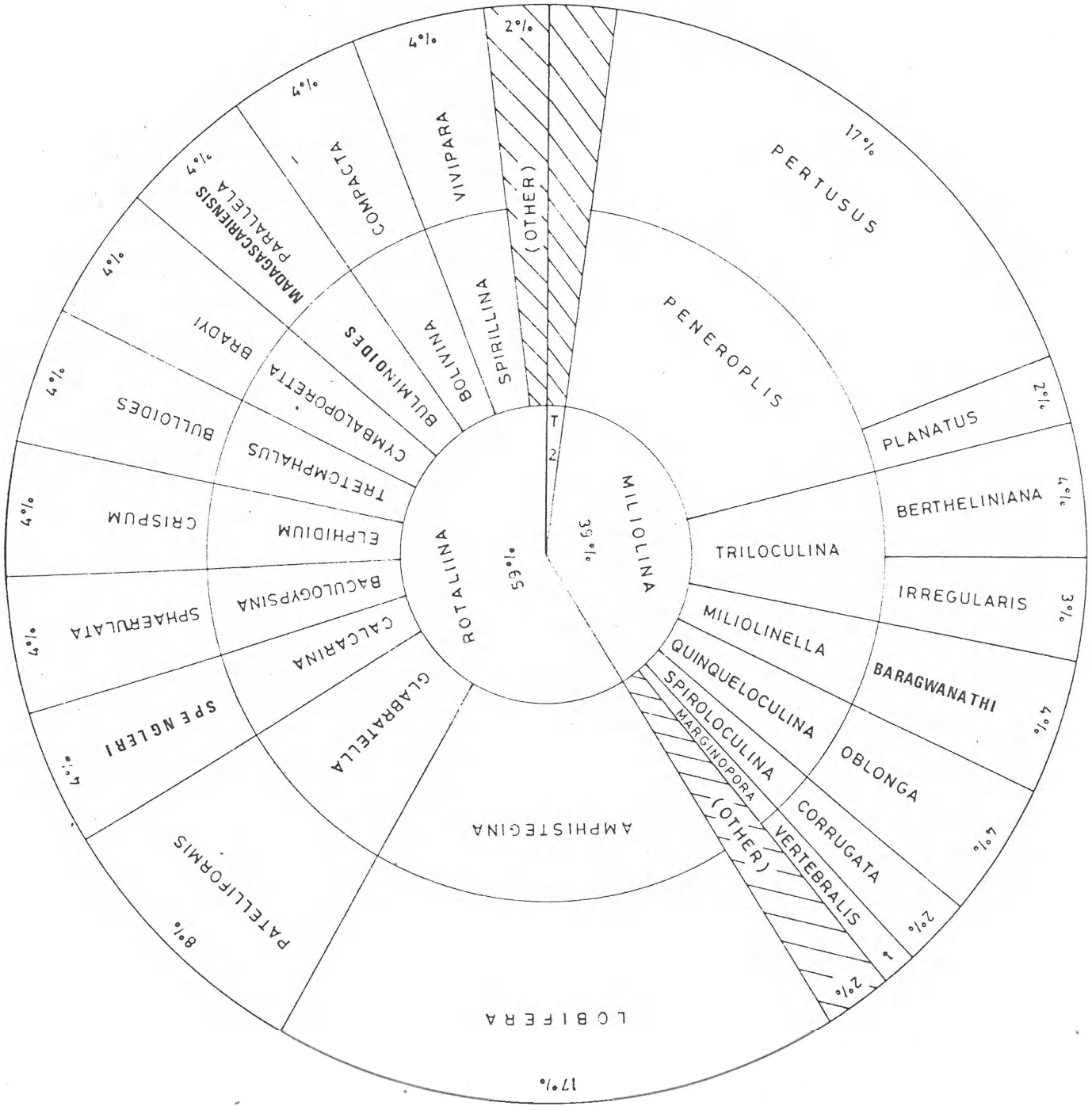
df/g = 500

fr/g = 438

indet/g = 479

T/g = 1417





L 266

SOUTHERN BARRIER

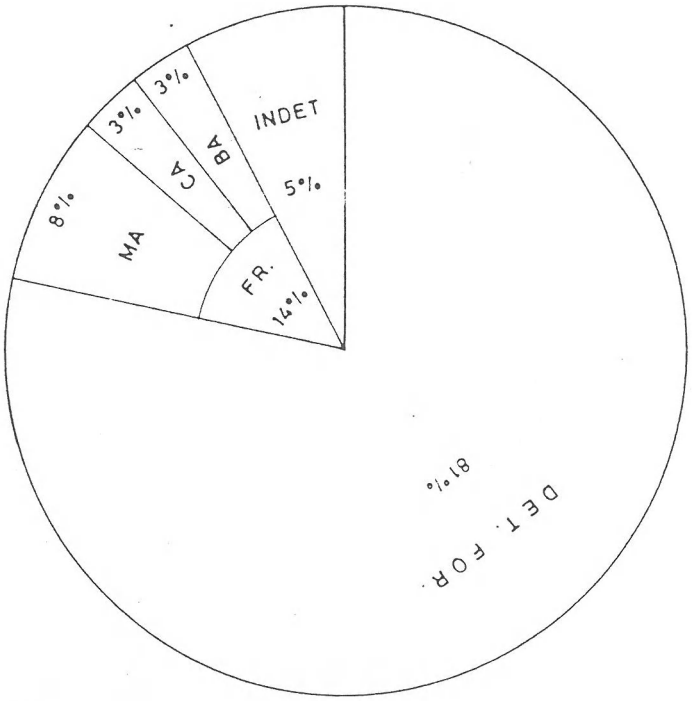
Intertidal

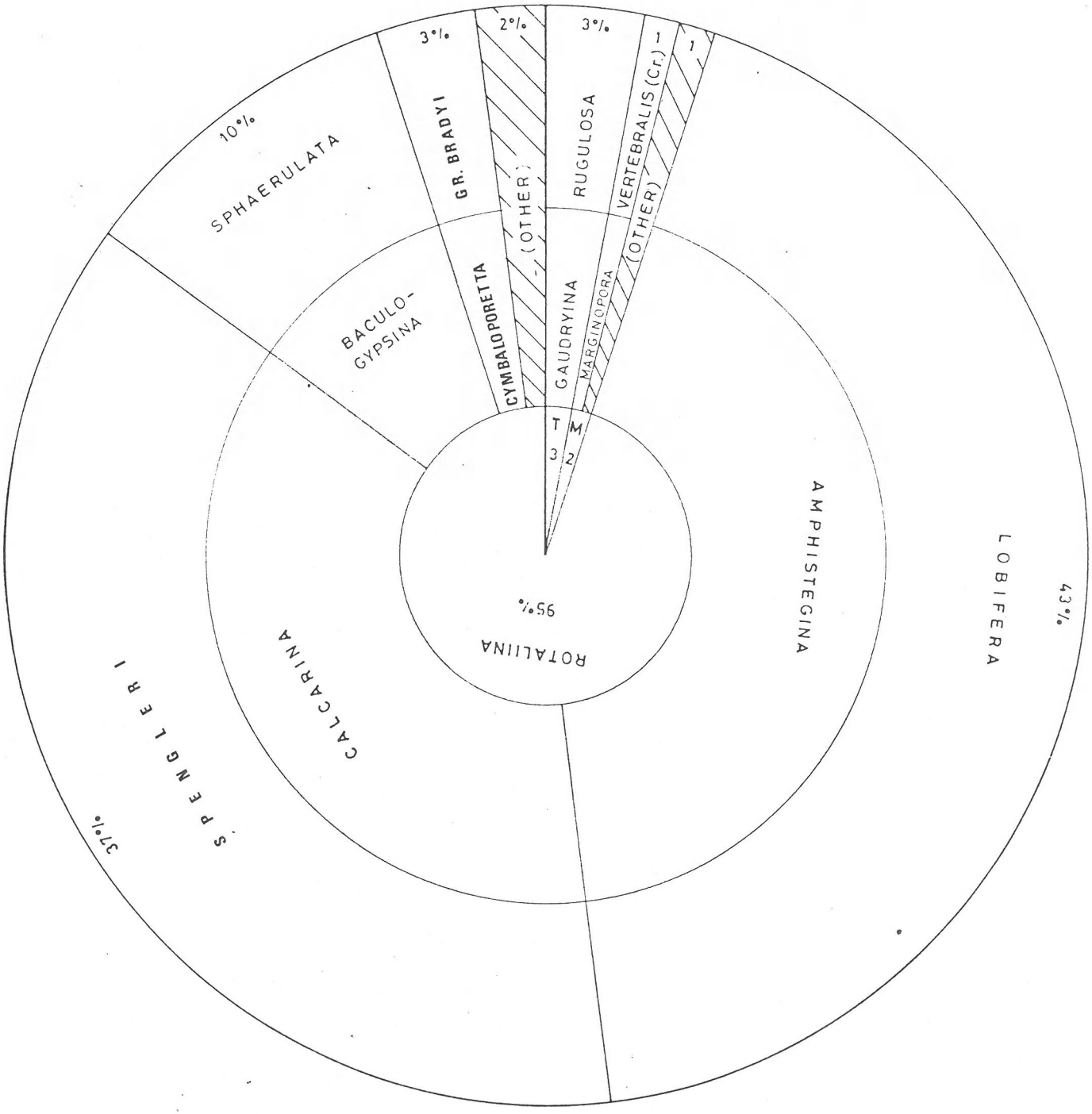
df/g = 119

fr/g = 20

indet/g = 8

T/g = 147





L 161

INTERNAL FLAT

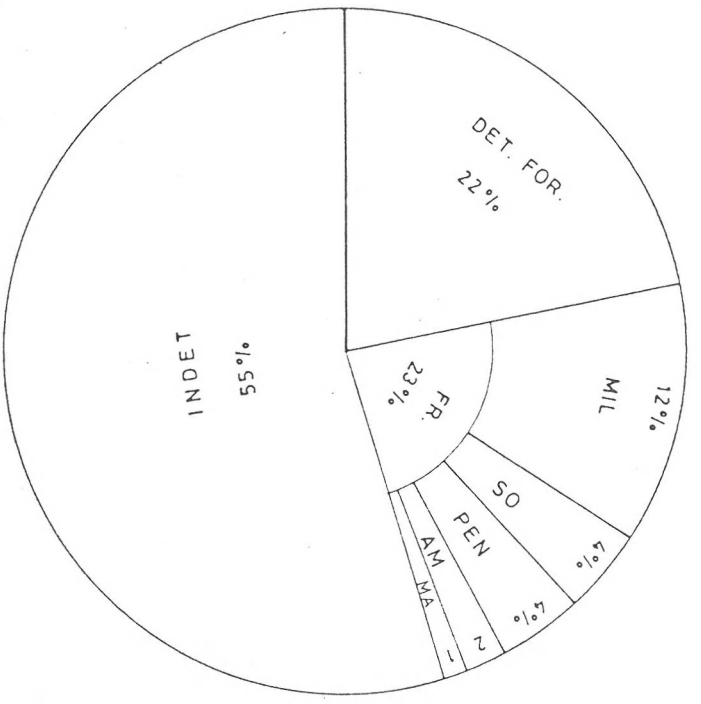
- 3,5 m

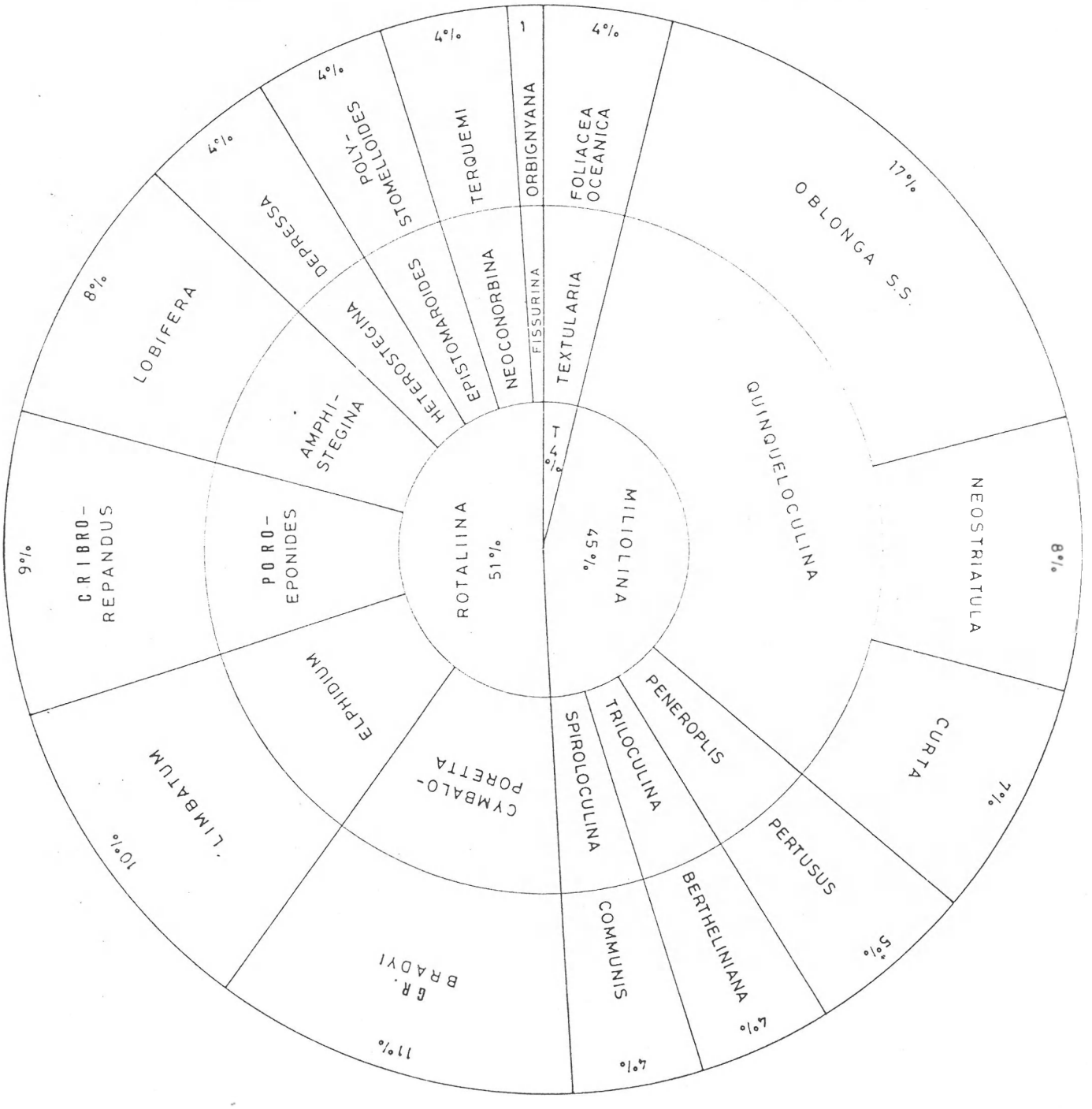
df/g = 103

fr/g = 107

indet/g = 255

T/g = 465





L 162

INTERNAL FLAT

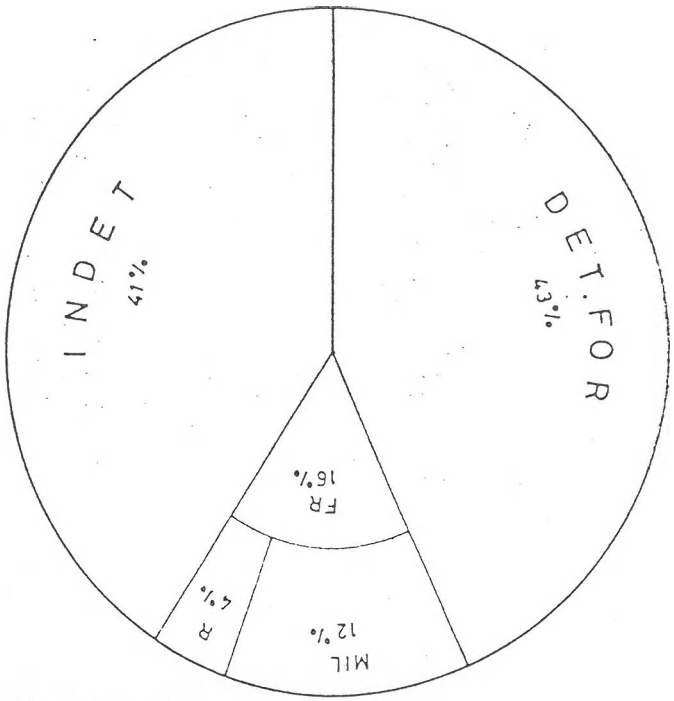
- 2,2 m

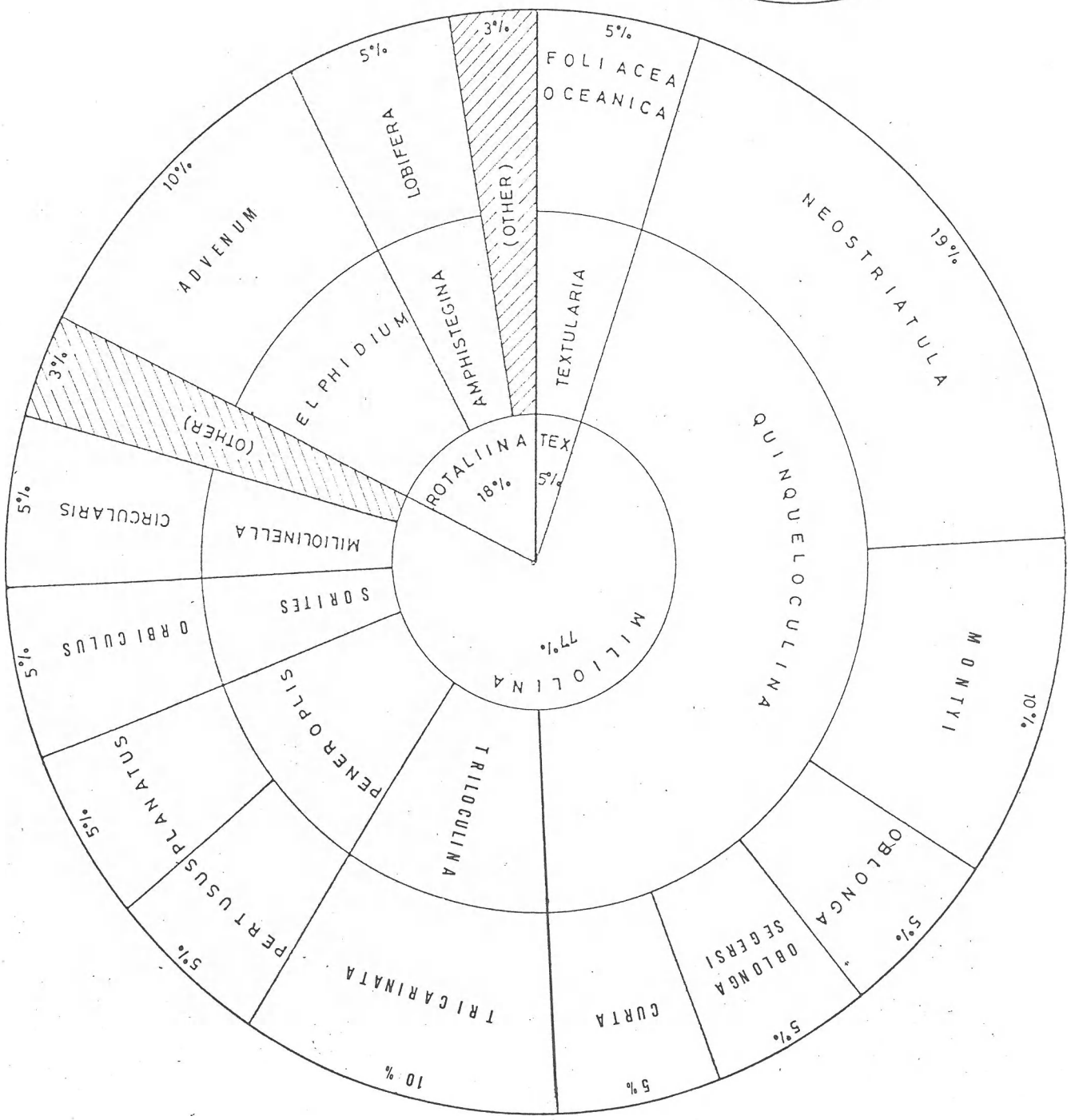
df/g = 167

fr/g = 64

indet/g = 159

T/g = 390





L 170

INTERNAL FLAT

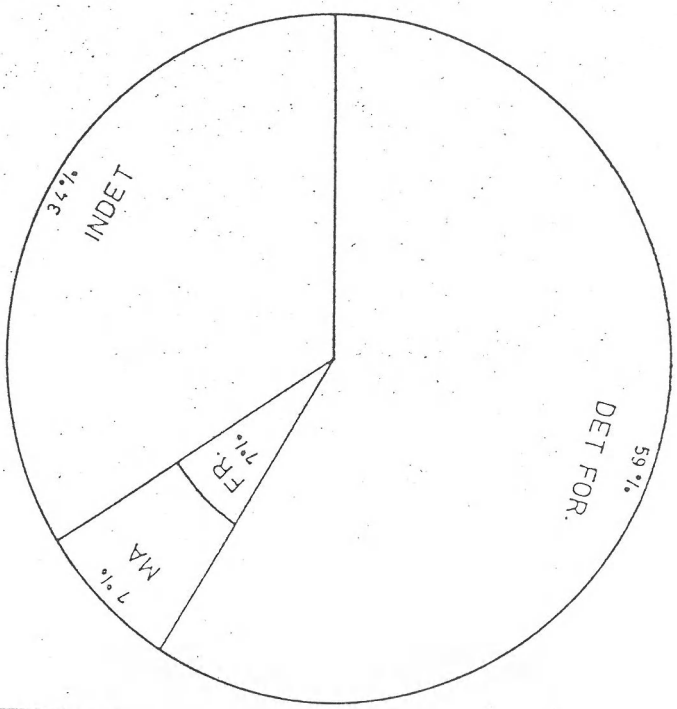
- 1,7 m

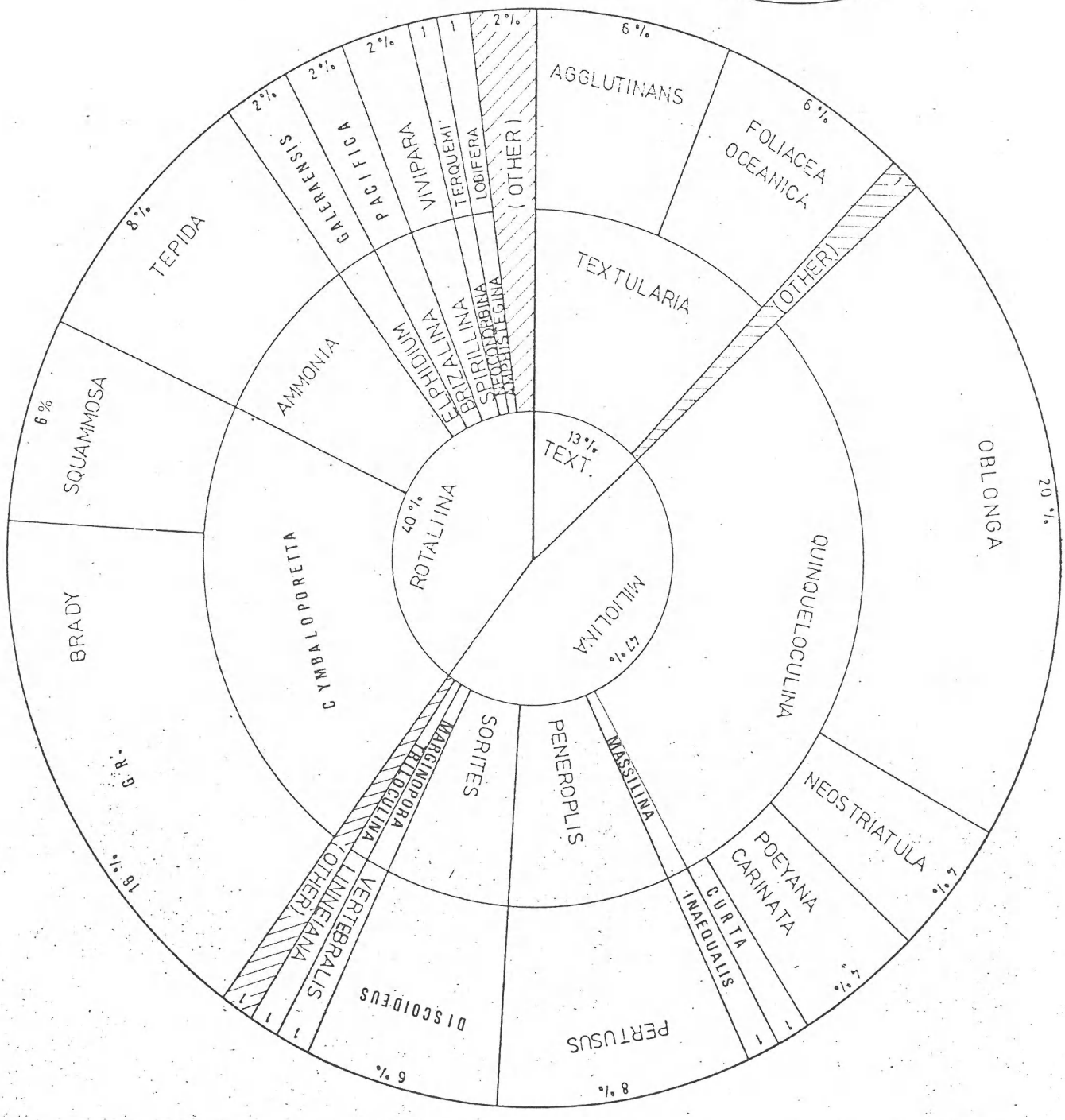
df/g = 137

fr/g = 16

indet/g = 81

T/g = 234





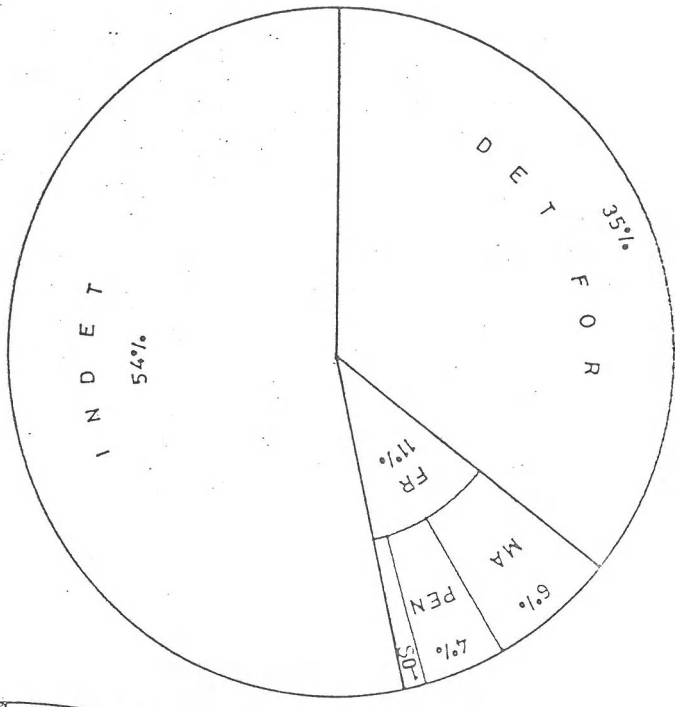
L 171

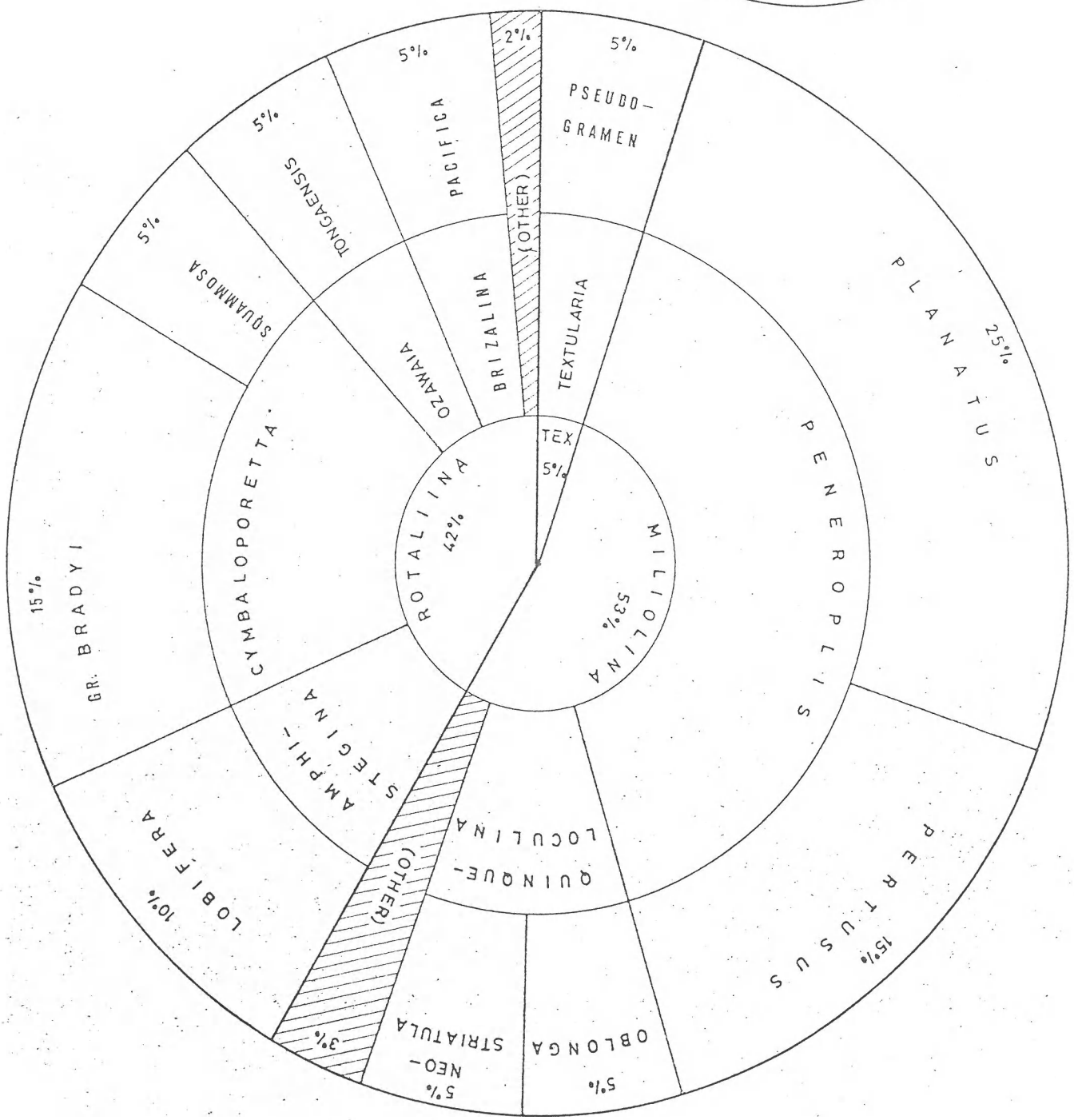
INTERNAL FLAT

- 1,7 m

df/g = 30
fr/g = 9
indet/g = 46

T/g = 85





L 144

SANDY SHOAL

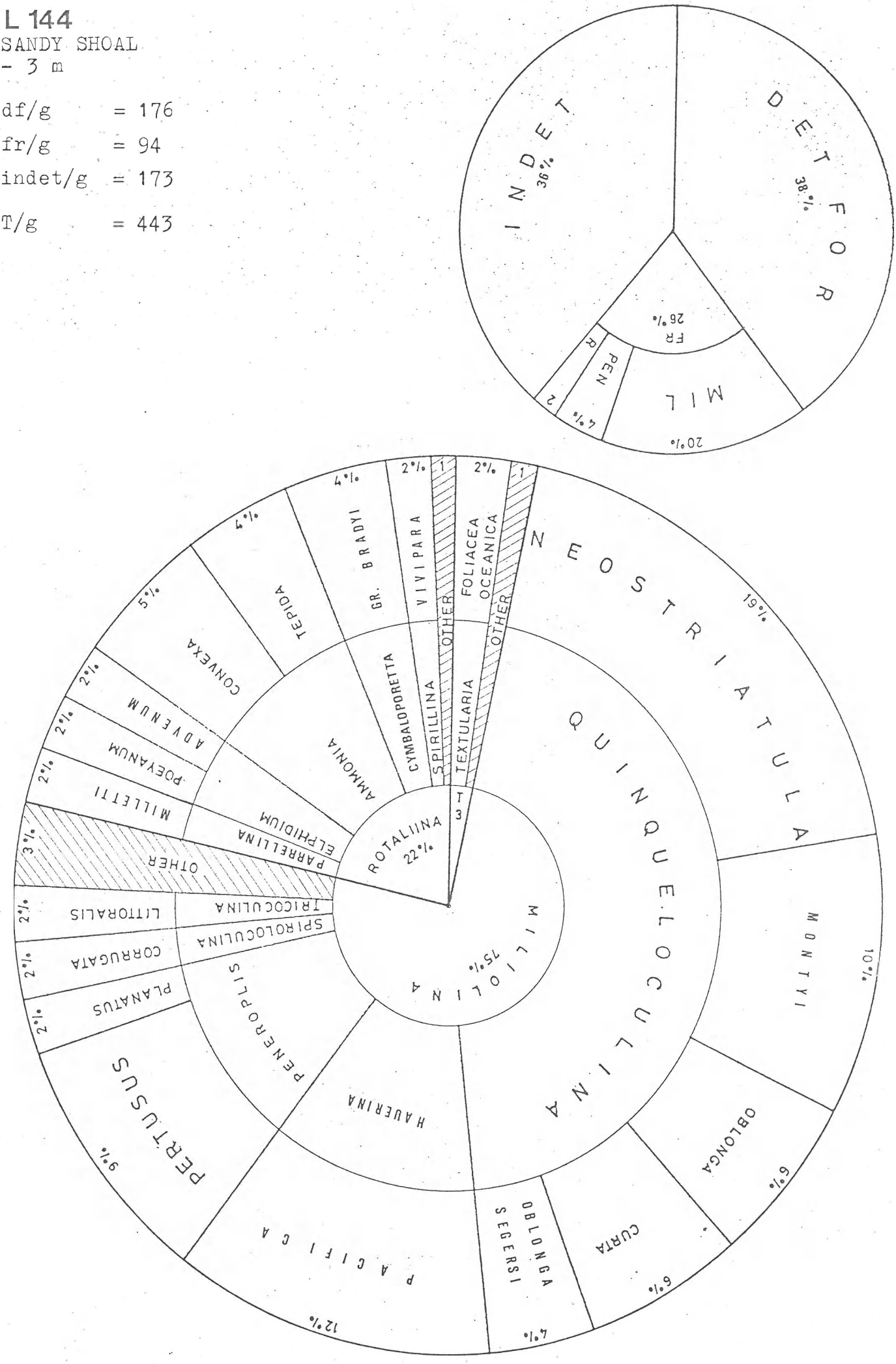
- 3 m

df/g = 176

fr/g = 94

indet/g = 173

T/g = 443



L 145

SANDY SHOAL

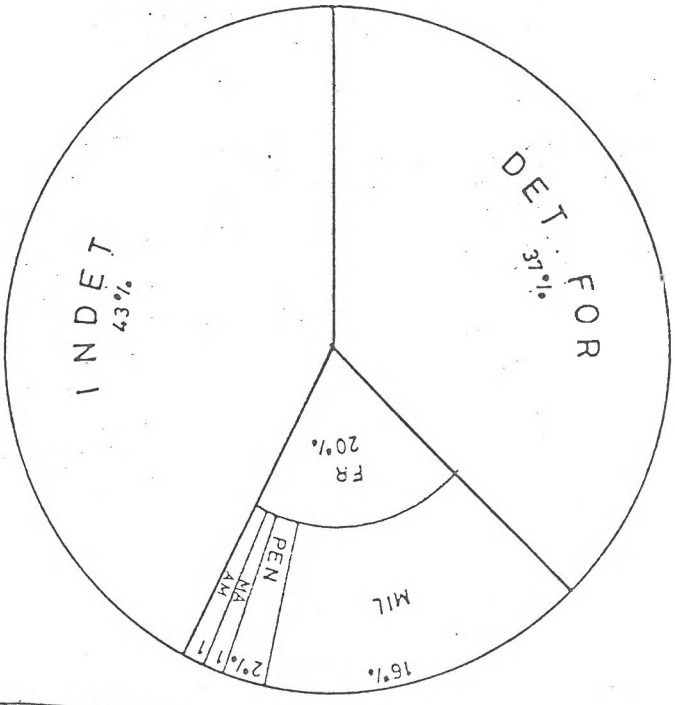
- 1,8 m

df/g = 278

fr/g = 150

indet/g = 322

T/g = 750



L 146

SANDY SHOAL

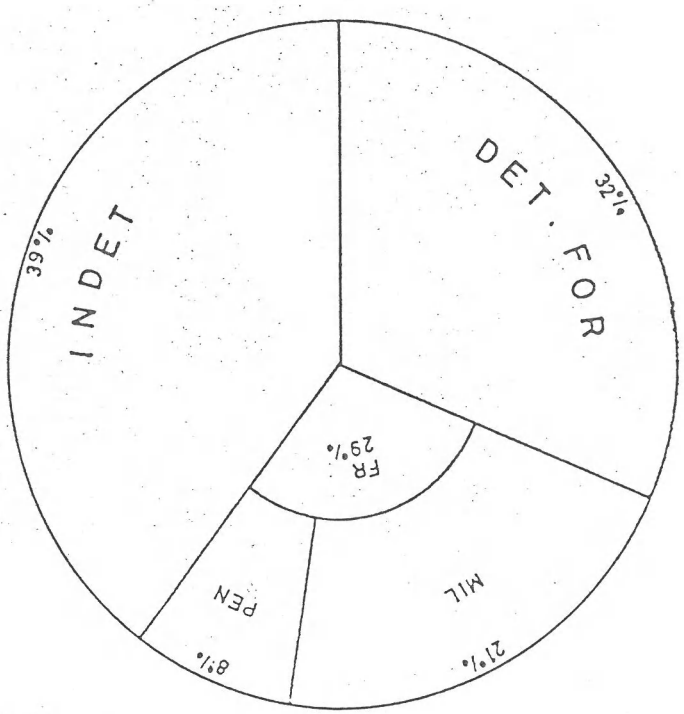
- 1,5 m

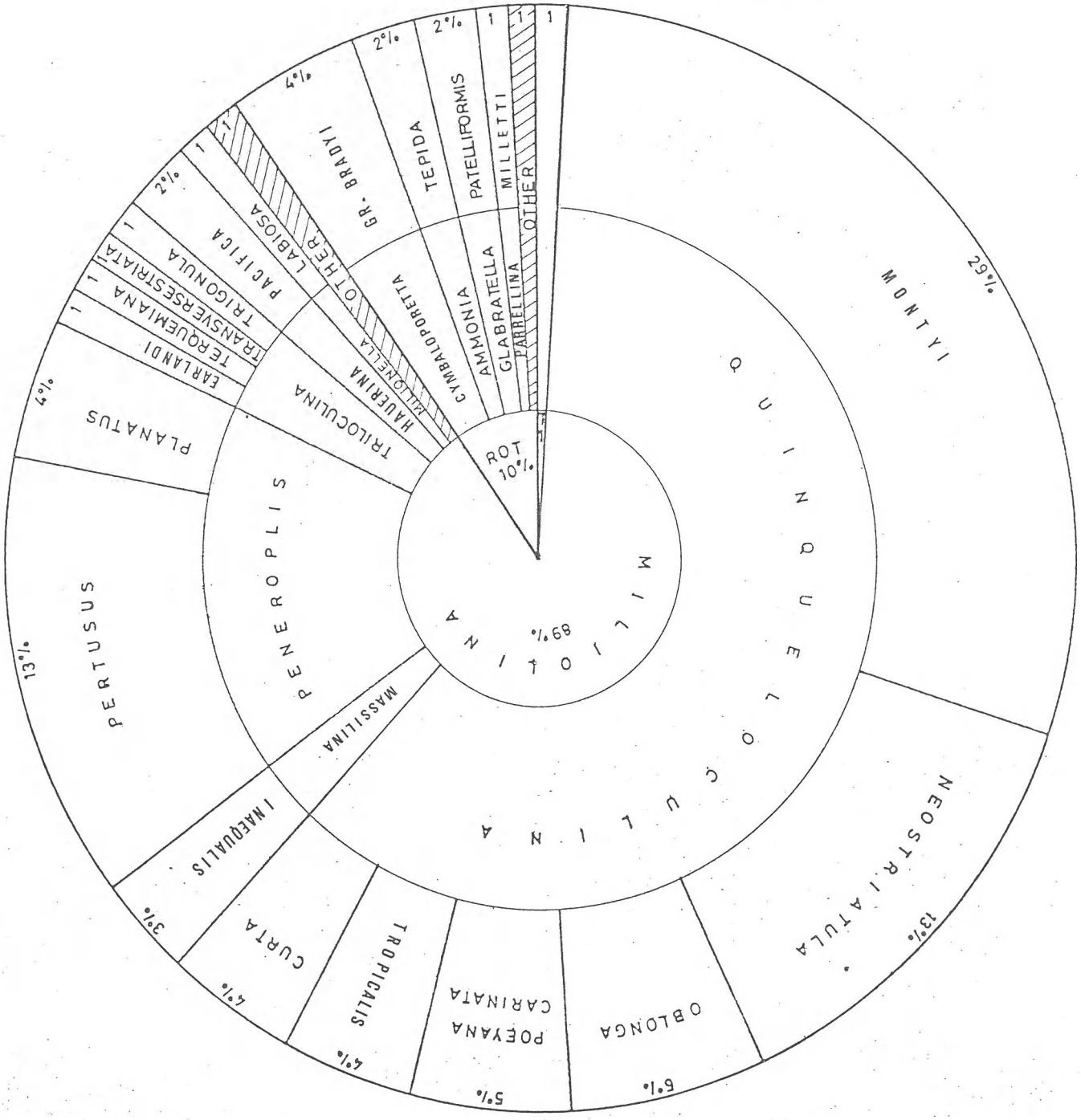
df/g = 359

fr/g = 334

indet/g = 449

T/g = 1142





L 149

SANDY SHOAL

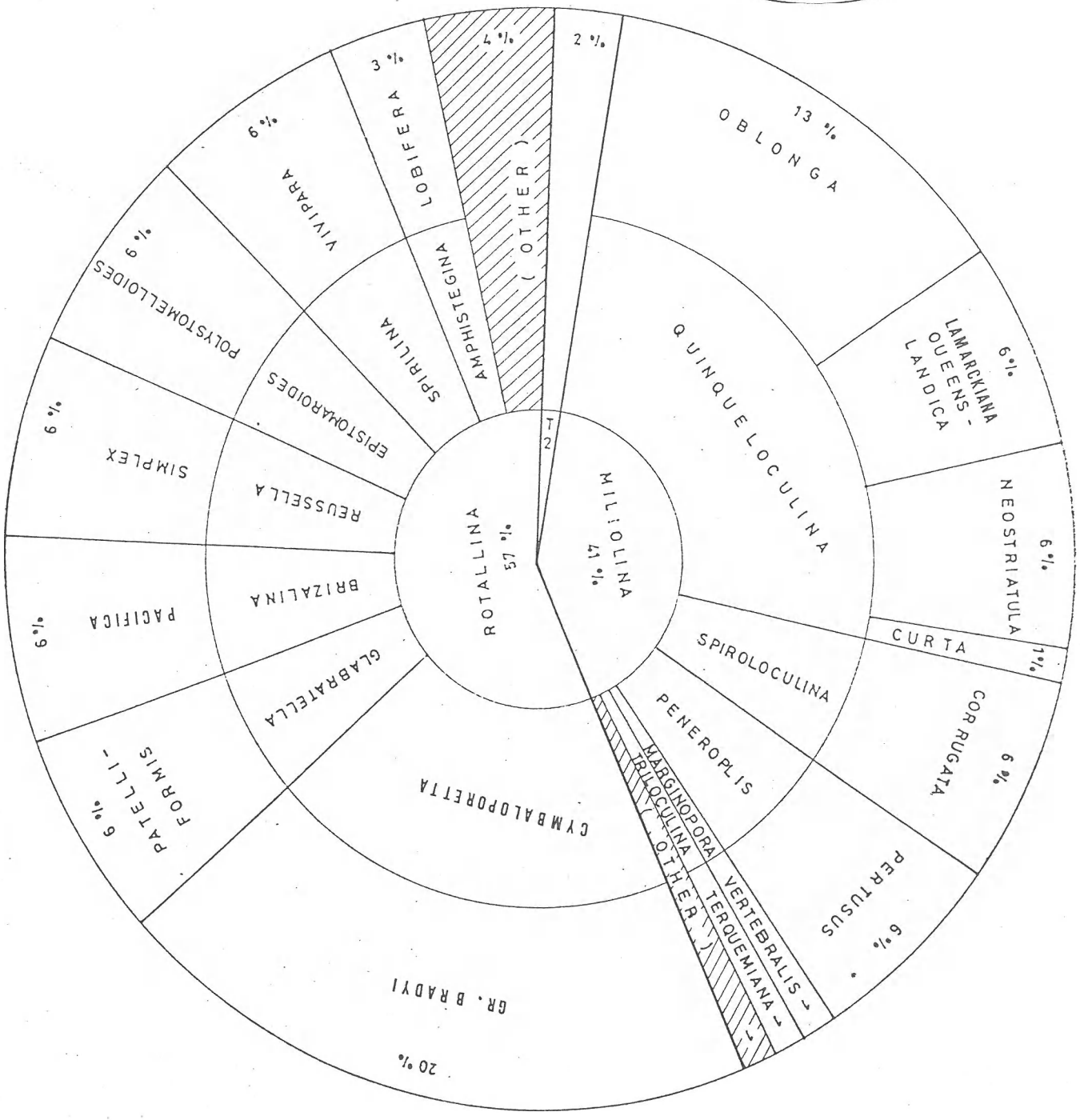
- 1,5 m

df/g = 115

fr/g = 34

indet/g = 202

T/g = 351



L 150

SANDY SHOAL

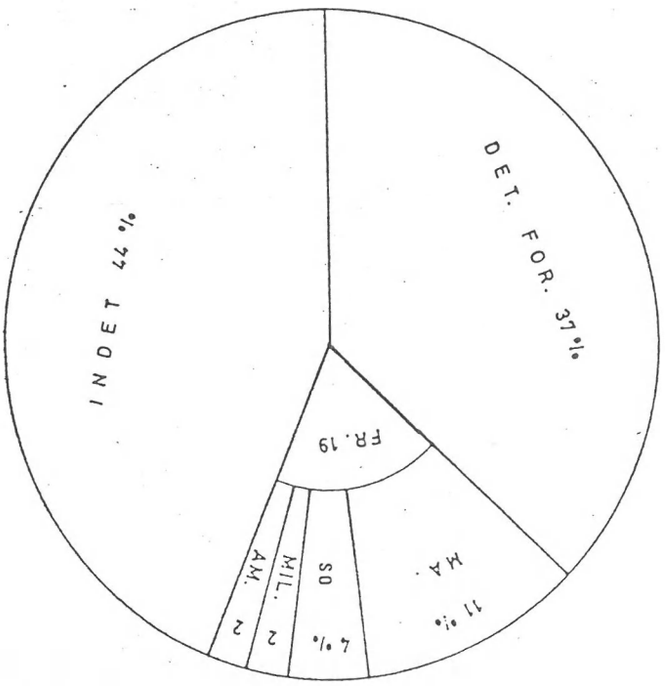
- 1,8 m

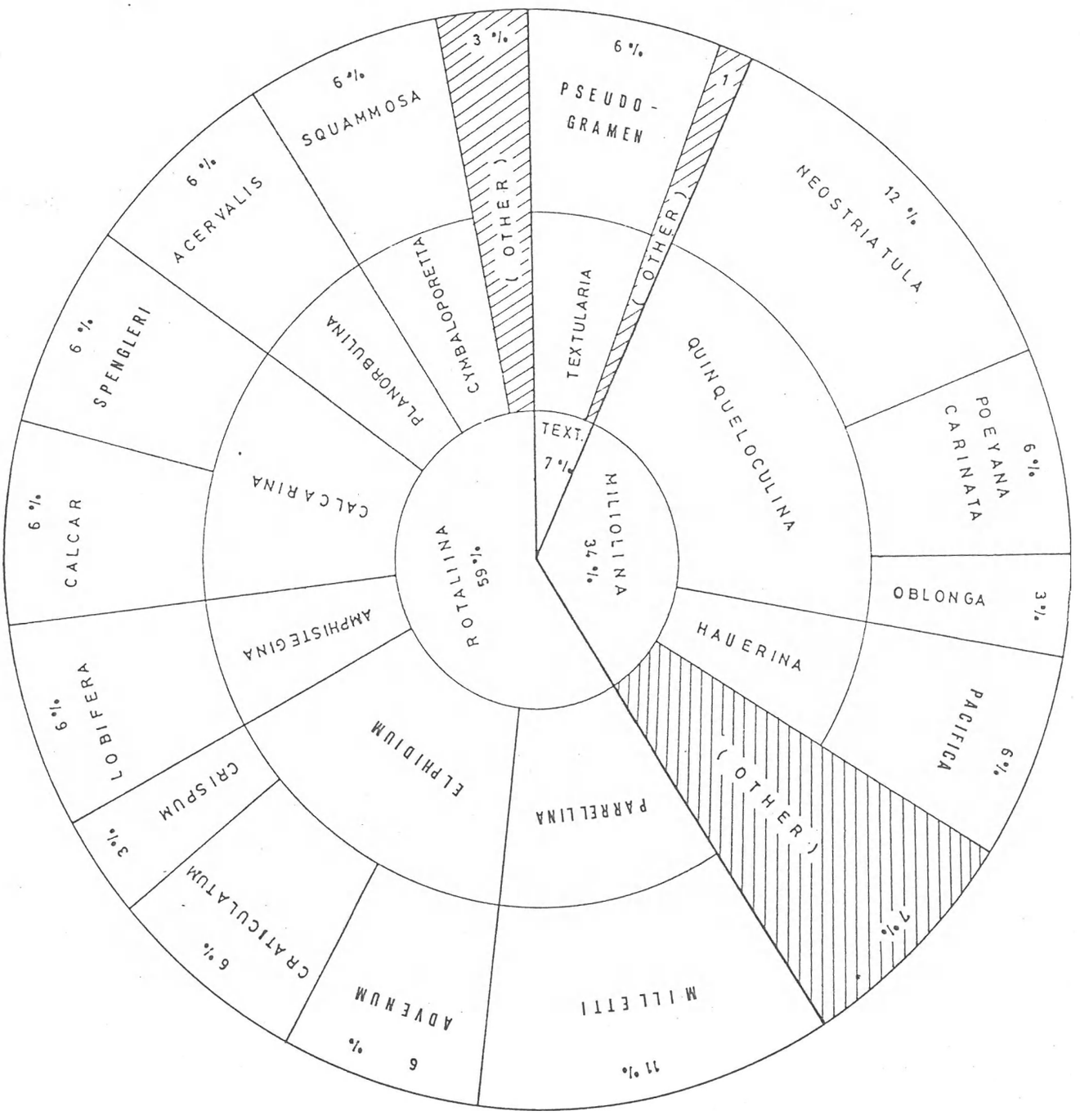
df/g = 77

fr/g = 39

indet/g = 90

T/g = 206





L 271 a

SANDY SHOAL

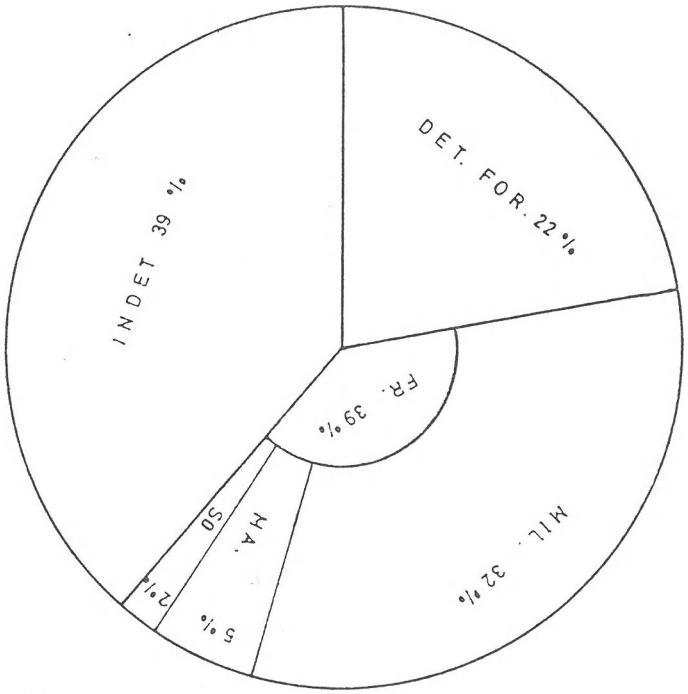
- 1,5 m

df/g = 56

fr/g = 98

indet/g = 98

T/g = 252



L 272

SANDY SHOAL

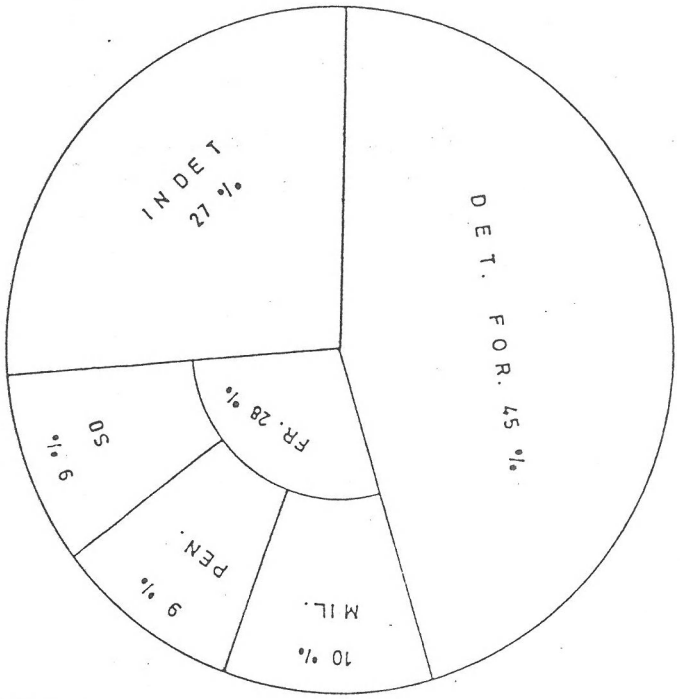
Intertidal (beach)

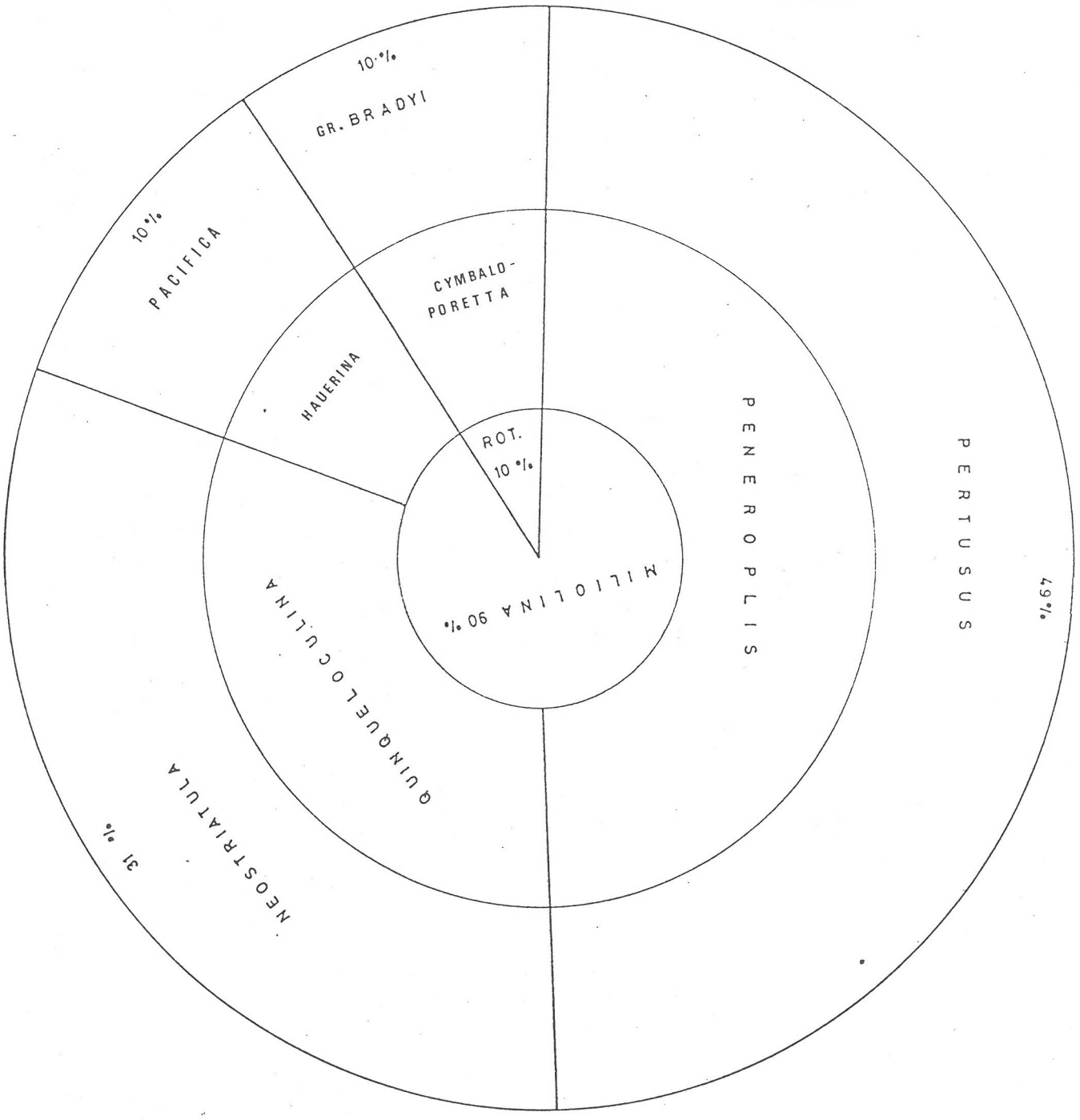
df/g = 21

fr/g = 13

indet/g = 13

T/g = 47





L 273

PATCHREEFS

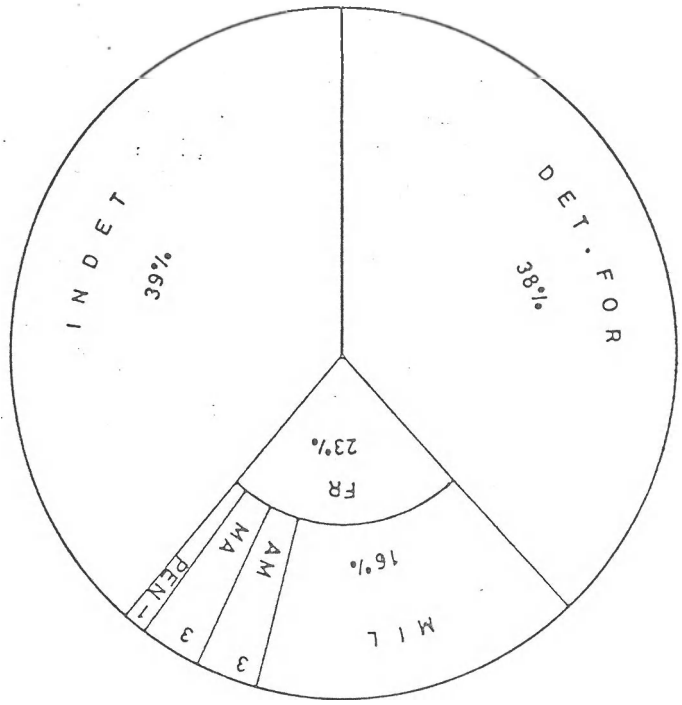
- 1,2 m

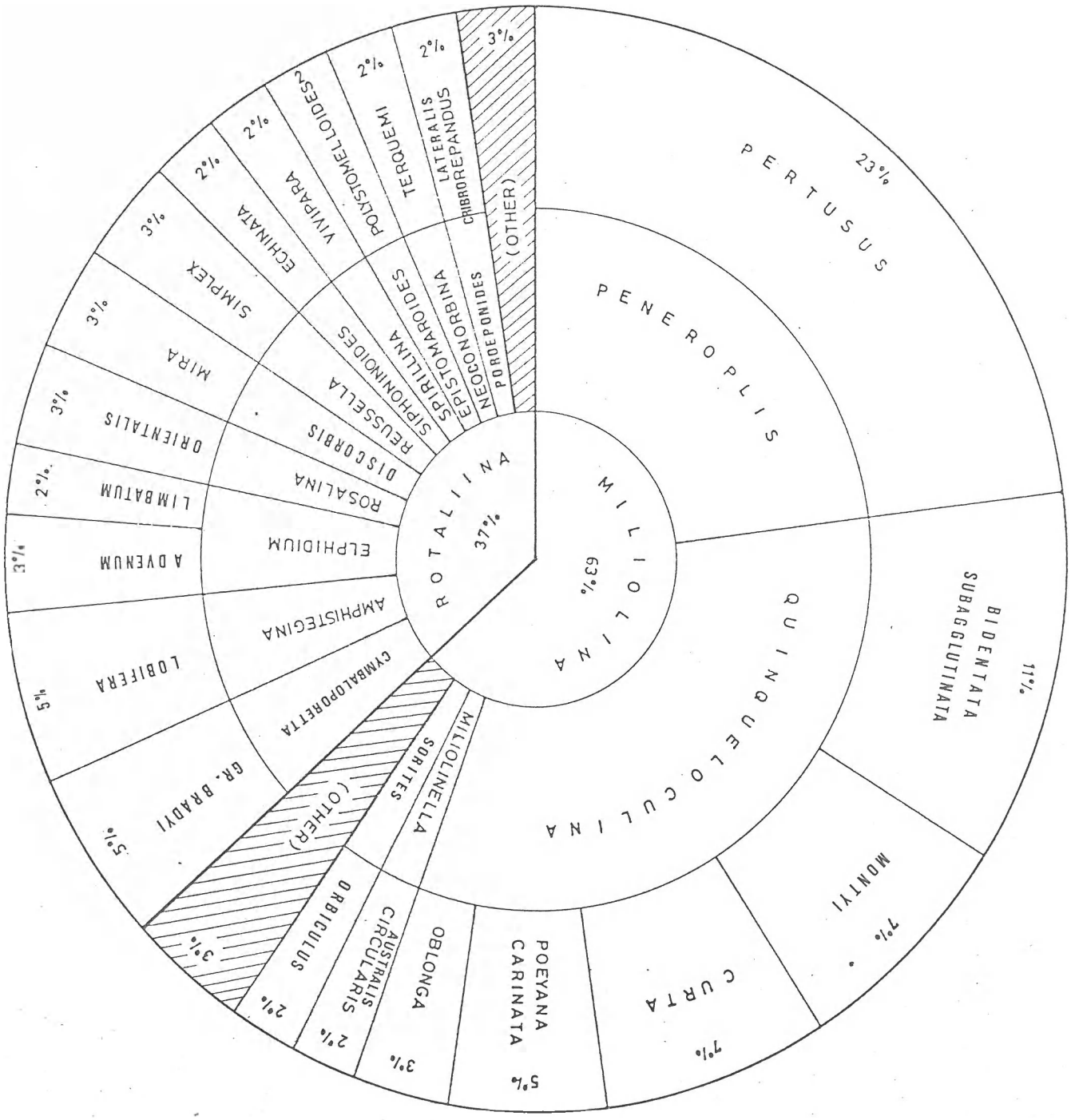
df/g = 287

fr/g = 171

indet/g = 292

T/g = 750





L 274

PATCHREEFS

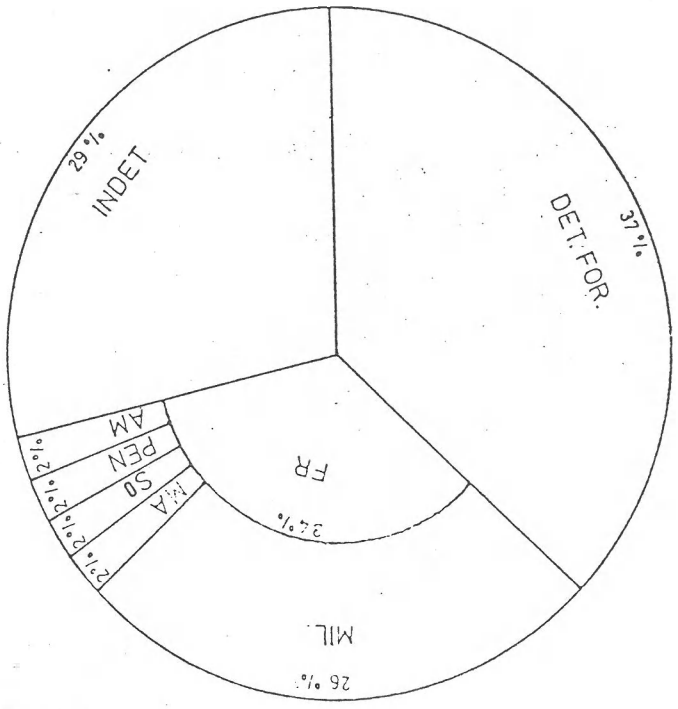
- 2,5 m

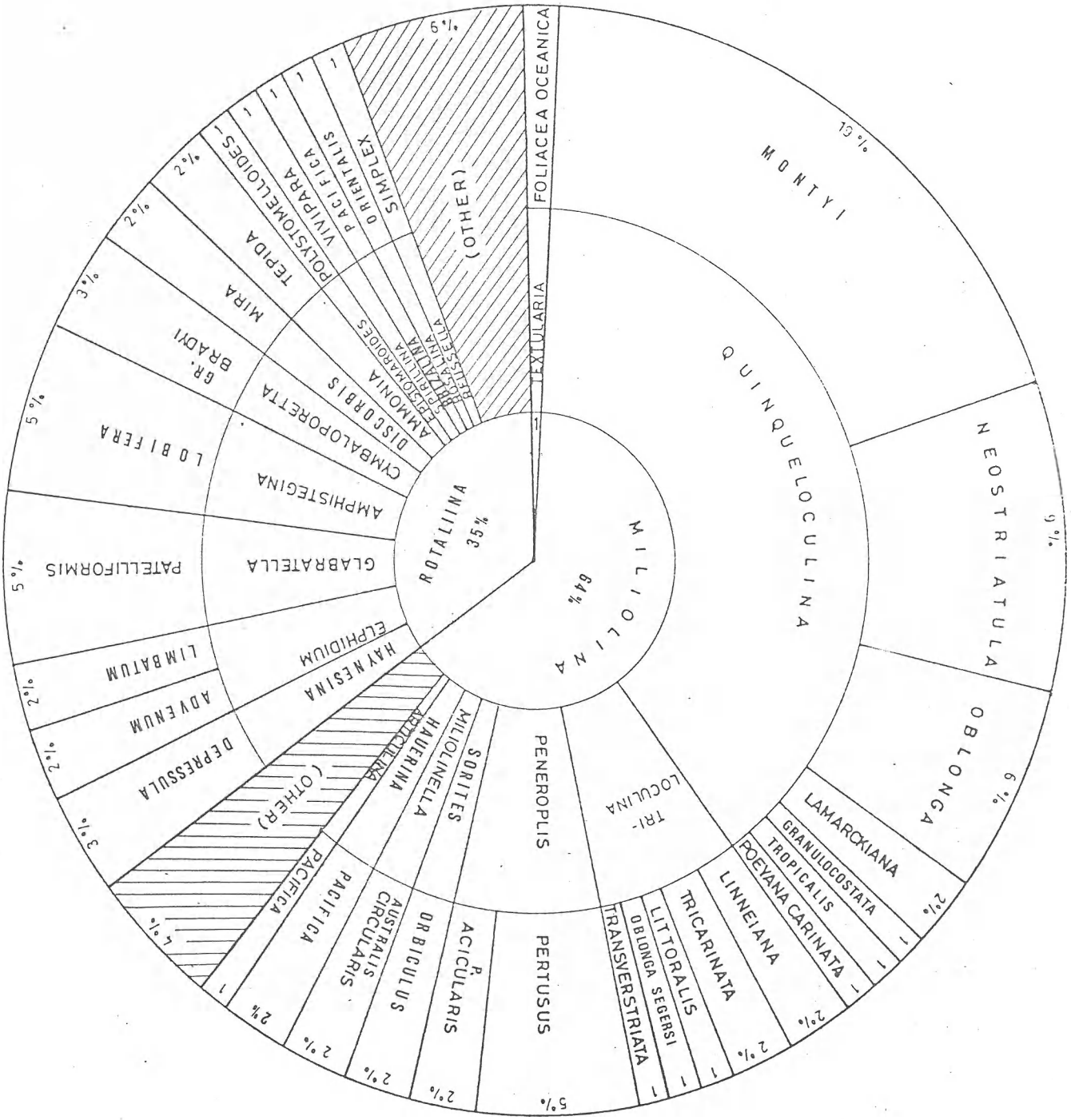
df/g = 350

fr/g = 323

indet/g = 273

T/g = 946





L 275

PATCHREEFS

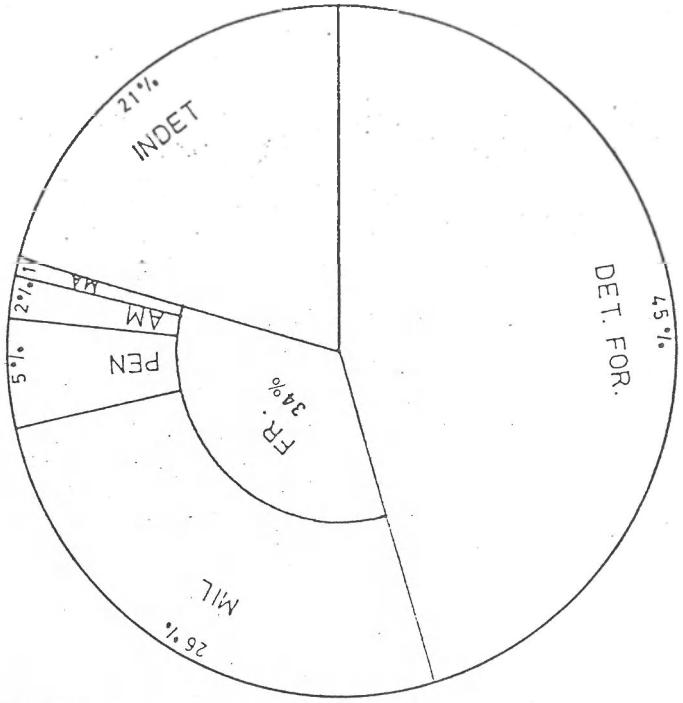
- 3 m

df/g = 441

fr/g = 331

indet/g = 211

T/g = 983



L 276 b

PATCHREEFS

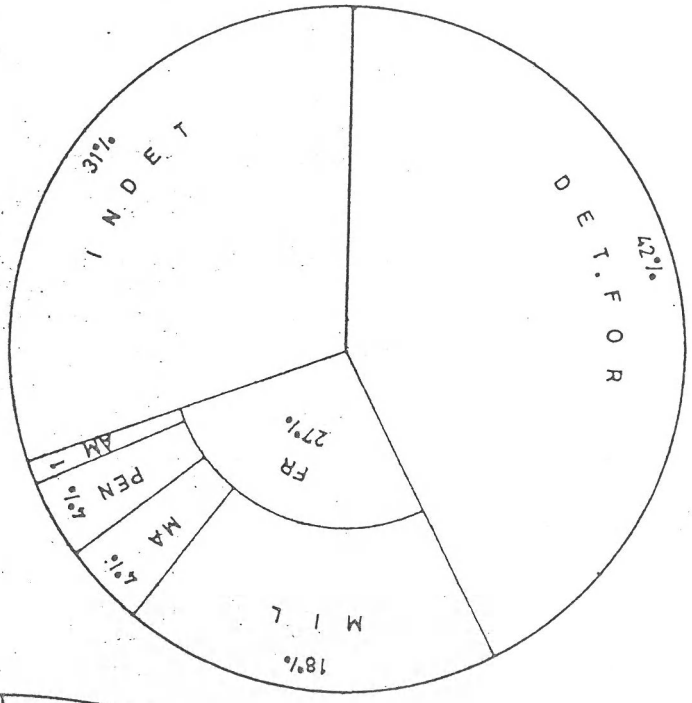
- 1 m

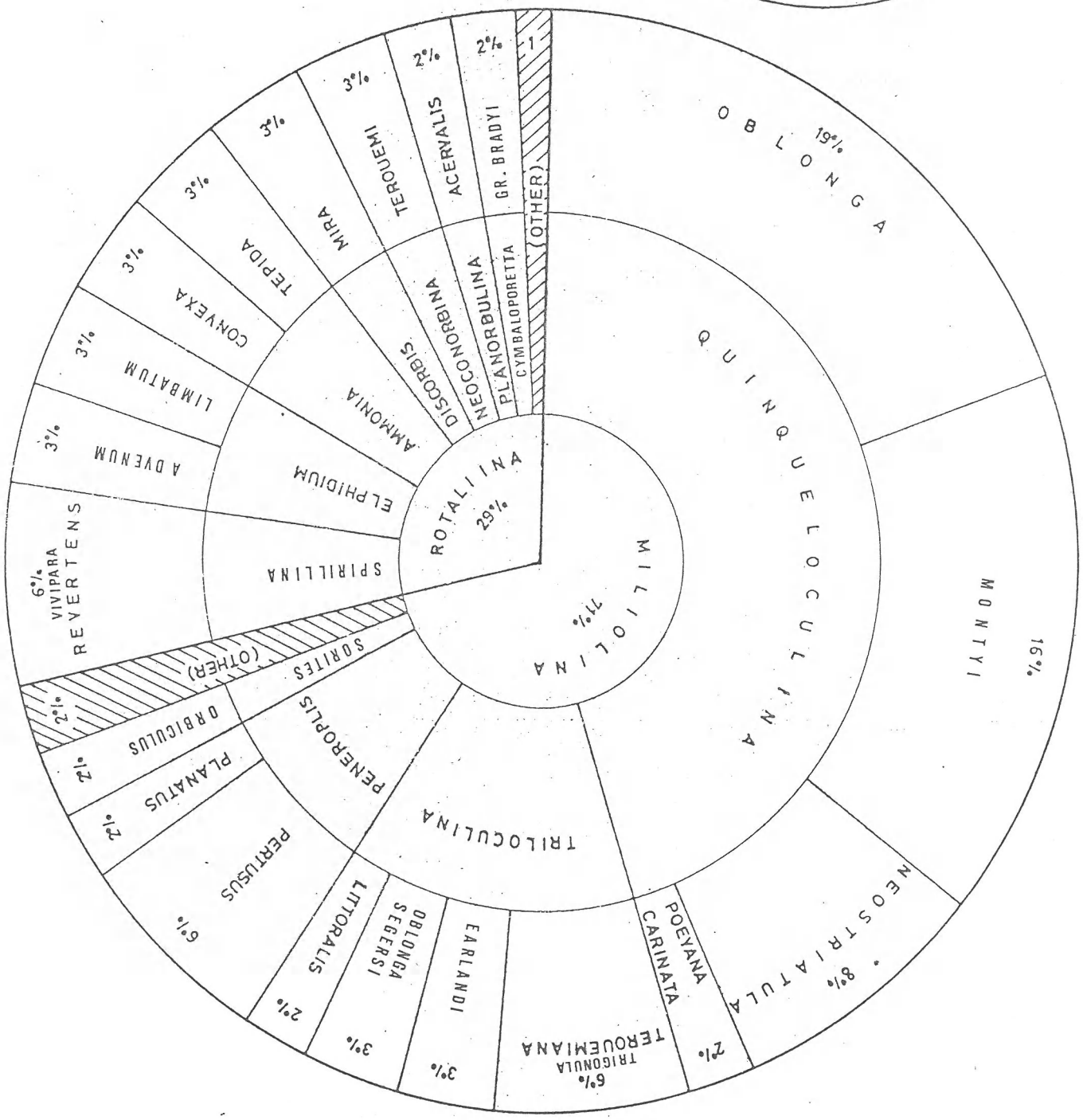
df/g = 180

fr/g = 114

indet/g = 128

T/g = 422





L 277

PATCHREEFS

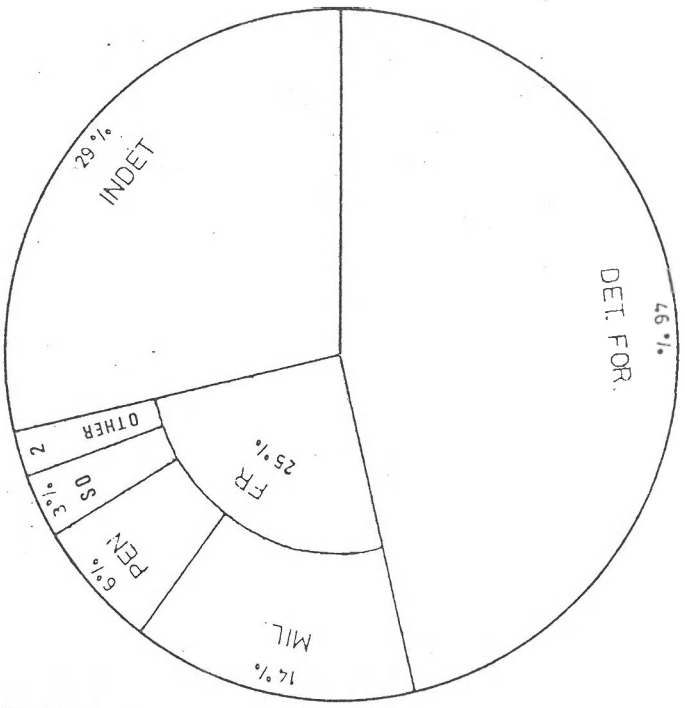
- 2,5 m

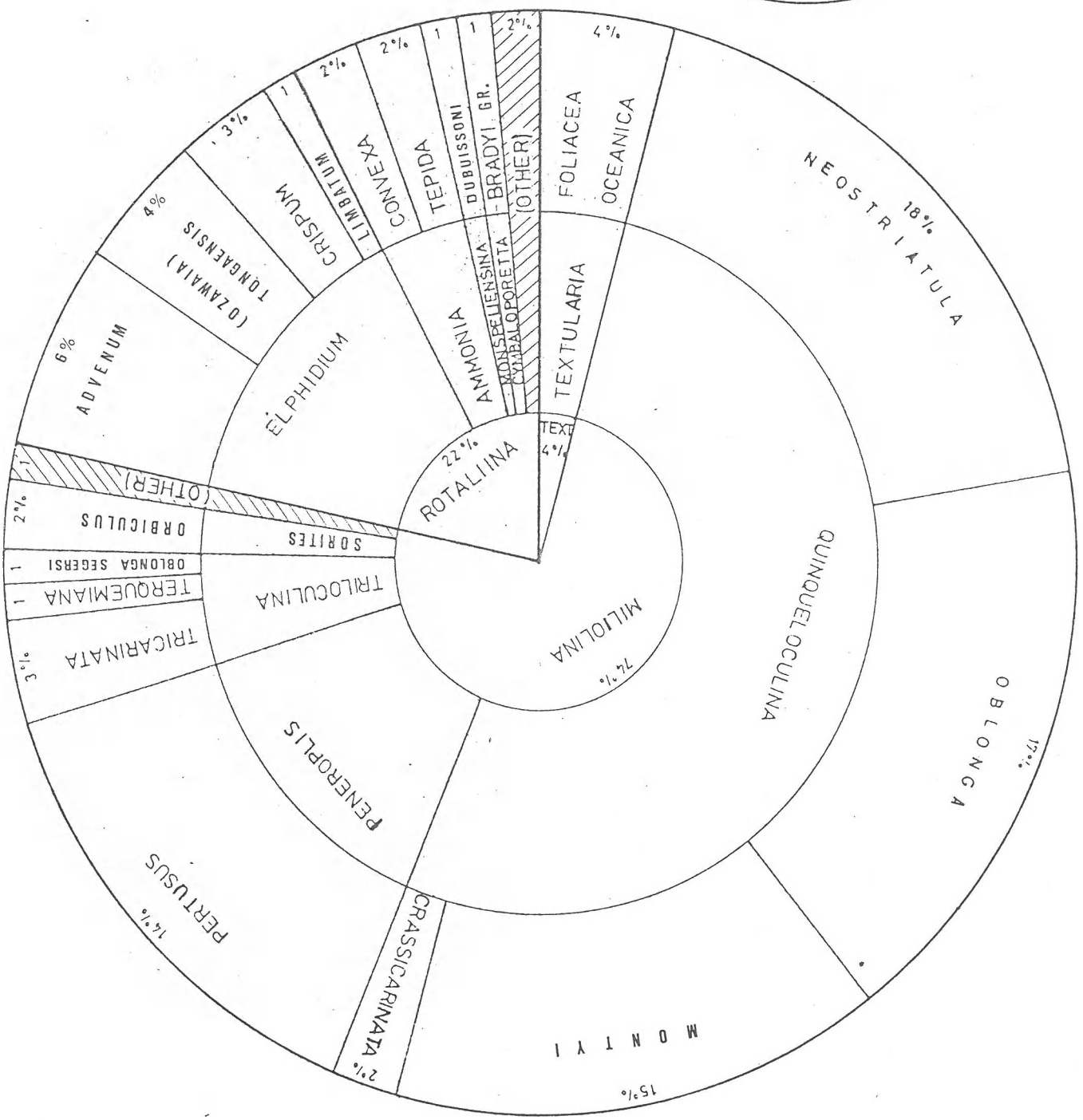
df/g = 243

fr/g = 130

indet/g = 155

T/g = 528





L 278 d

PATCHREEFS

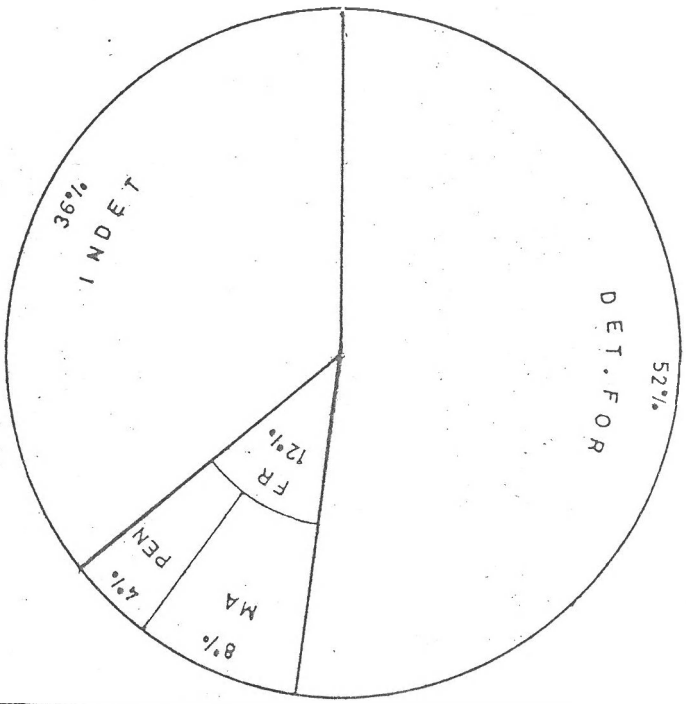
- 10 cm (LT)

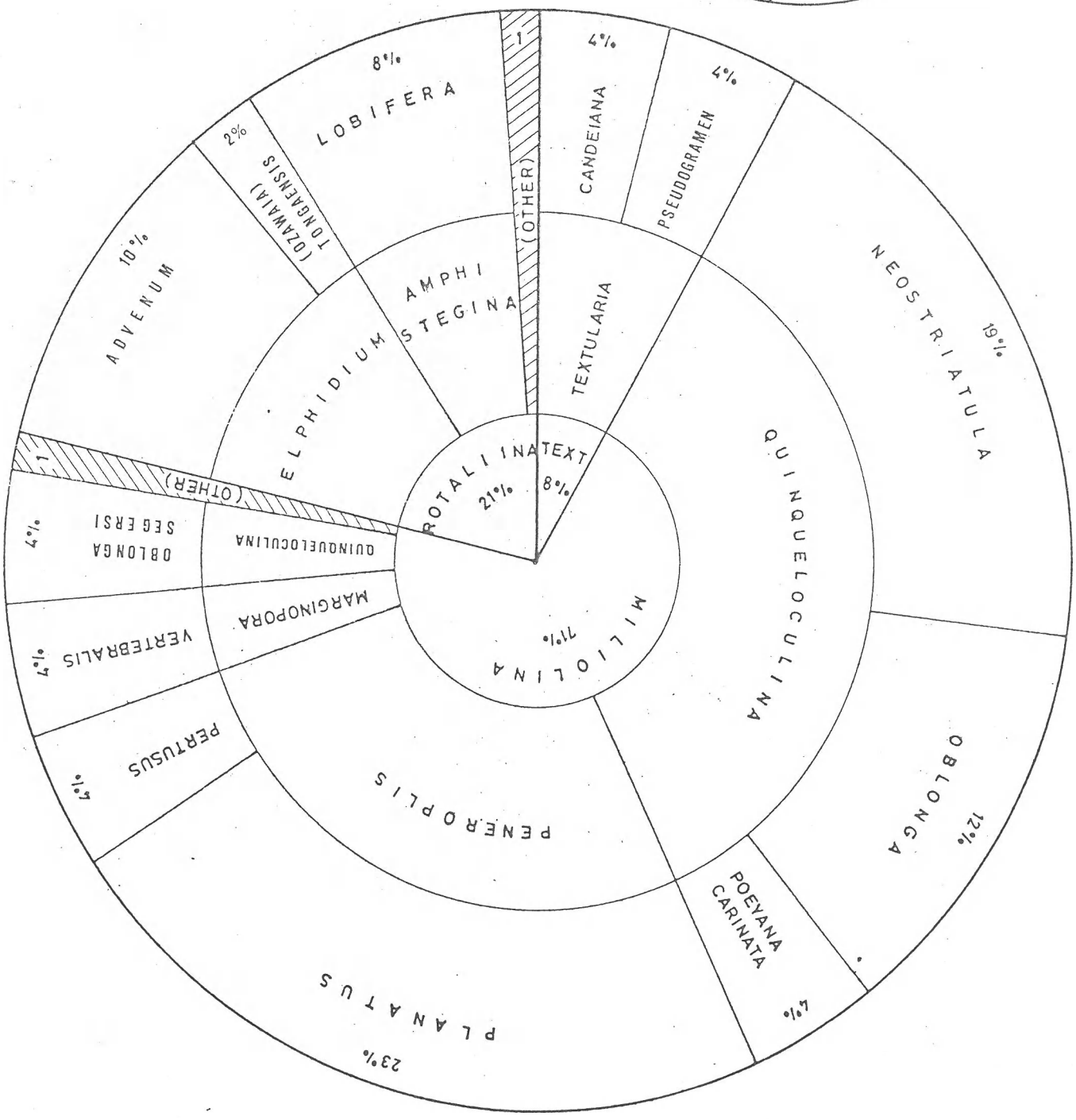
df/g = 213

fr/g = 49

indet/g = 147

T/g = 409





L 160

PATCHREEFS

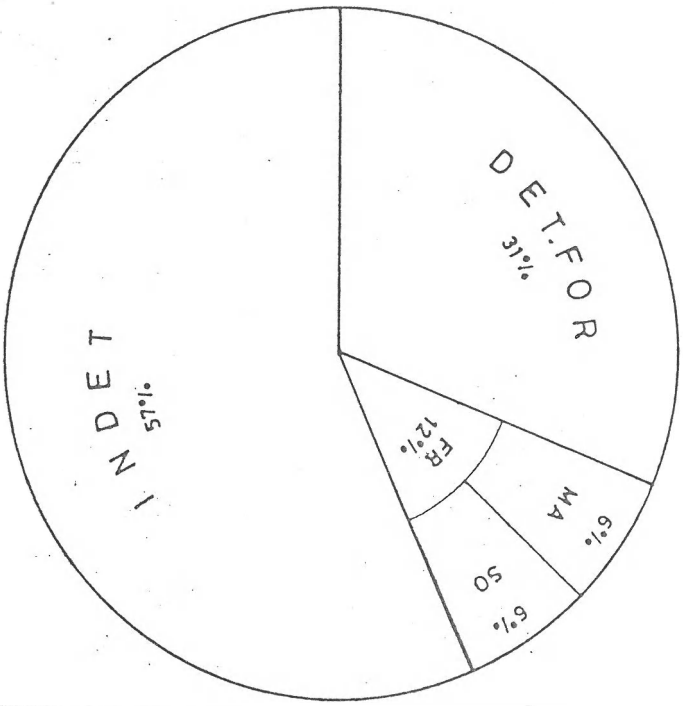
- 2,5 m

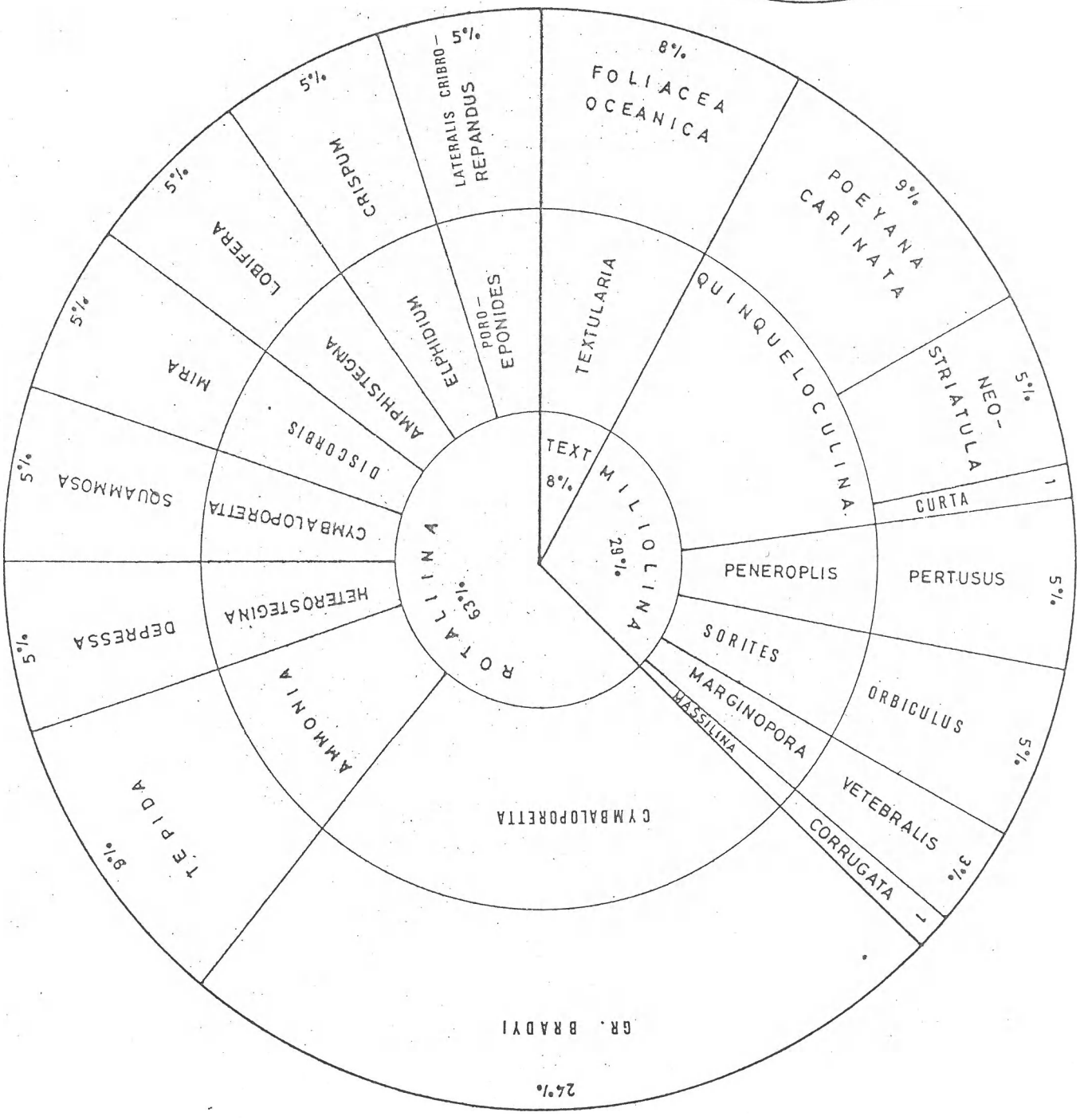
df/g = 273

fr/g = 104

indet/g = 494

T/g = 871





L 157

PATCHREEFS

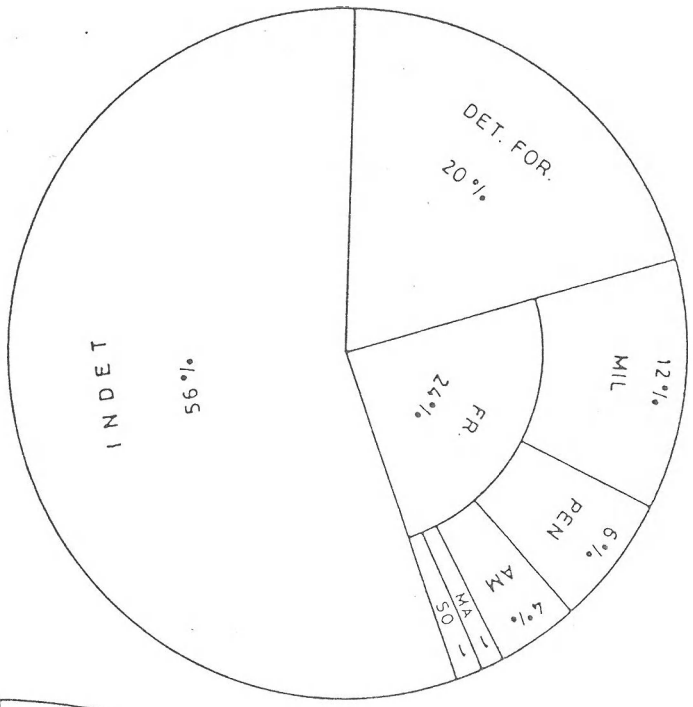
- 3 m

df/g = 302

fr/g = 358

indet/g = 849

T/g = 1509



L 154

PATCHREEFS

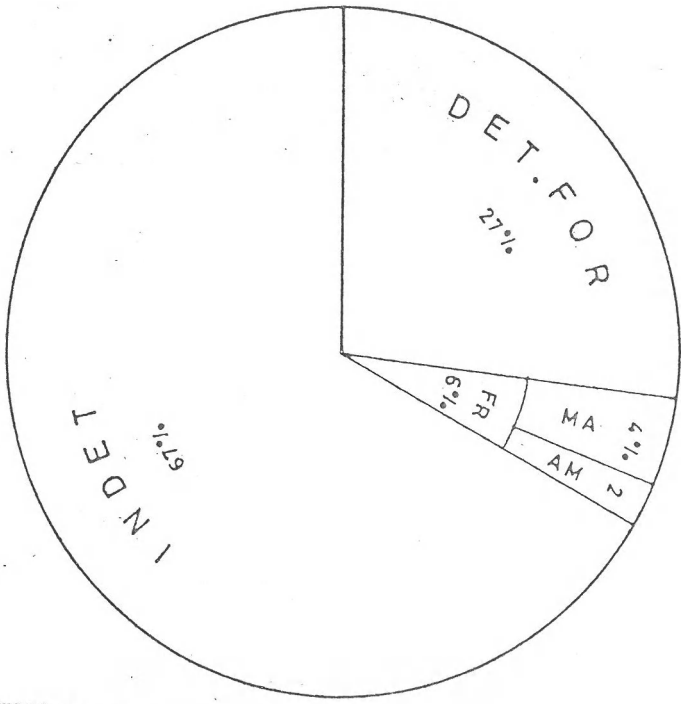
- 6 m

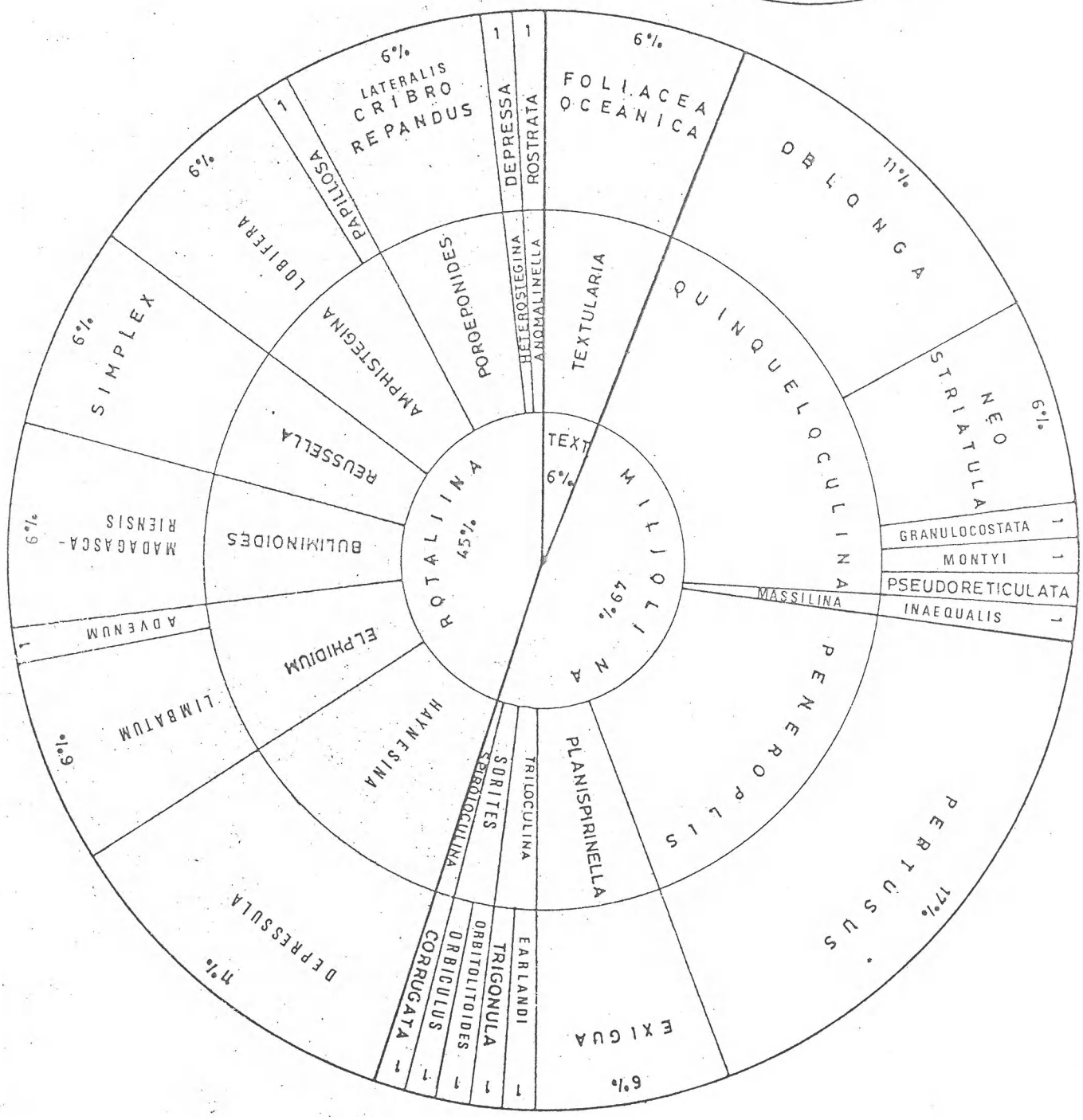
df/g = 435

fr/g = 97

indet/g = 1065

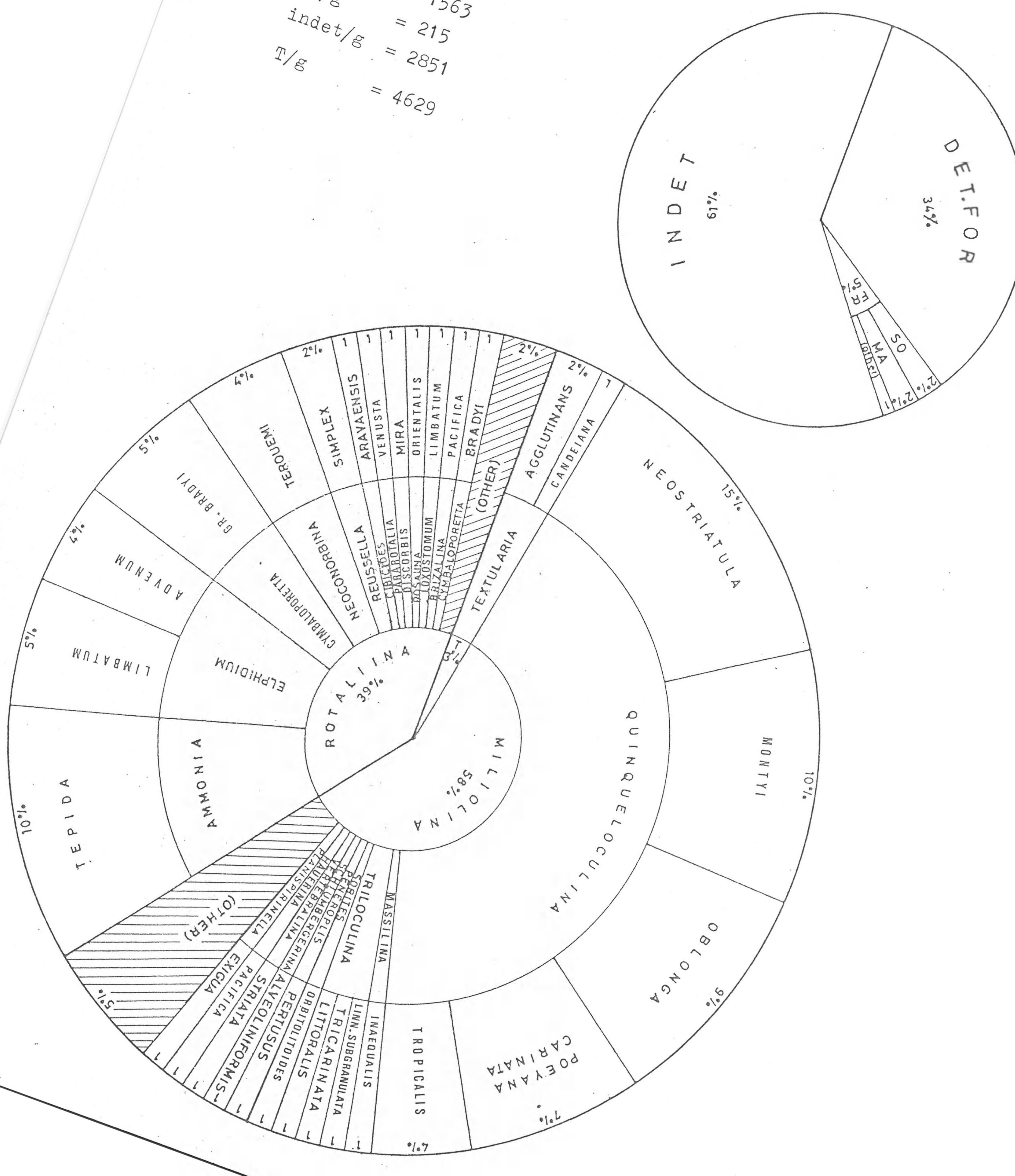
T/g = 1597





L 153

PATCHREEFS
- 3 m
df/g = 1563
fr/g = 215
indet/g = 2851
T/g = 4629



L 155

PATCHREEFS

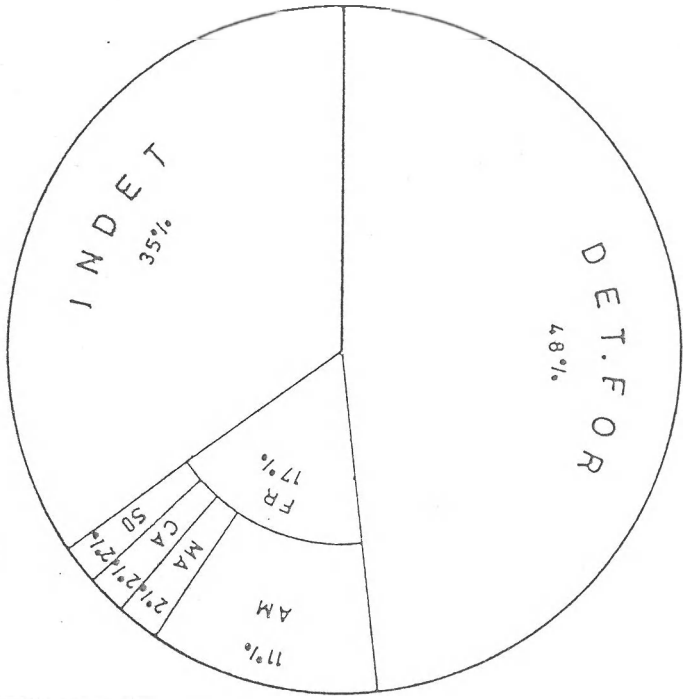
- 10 m

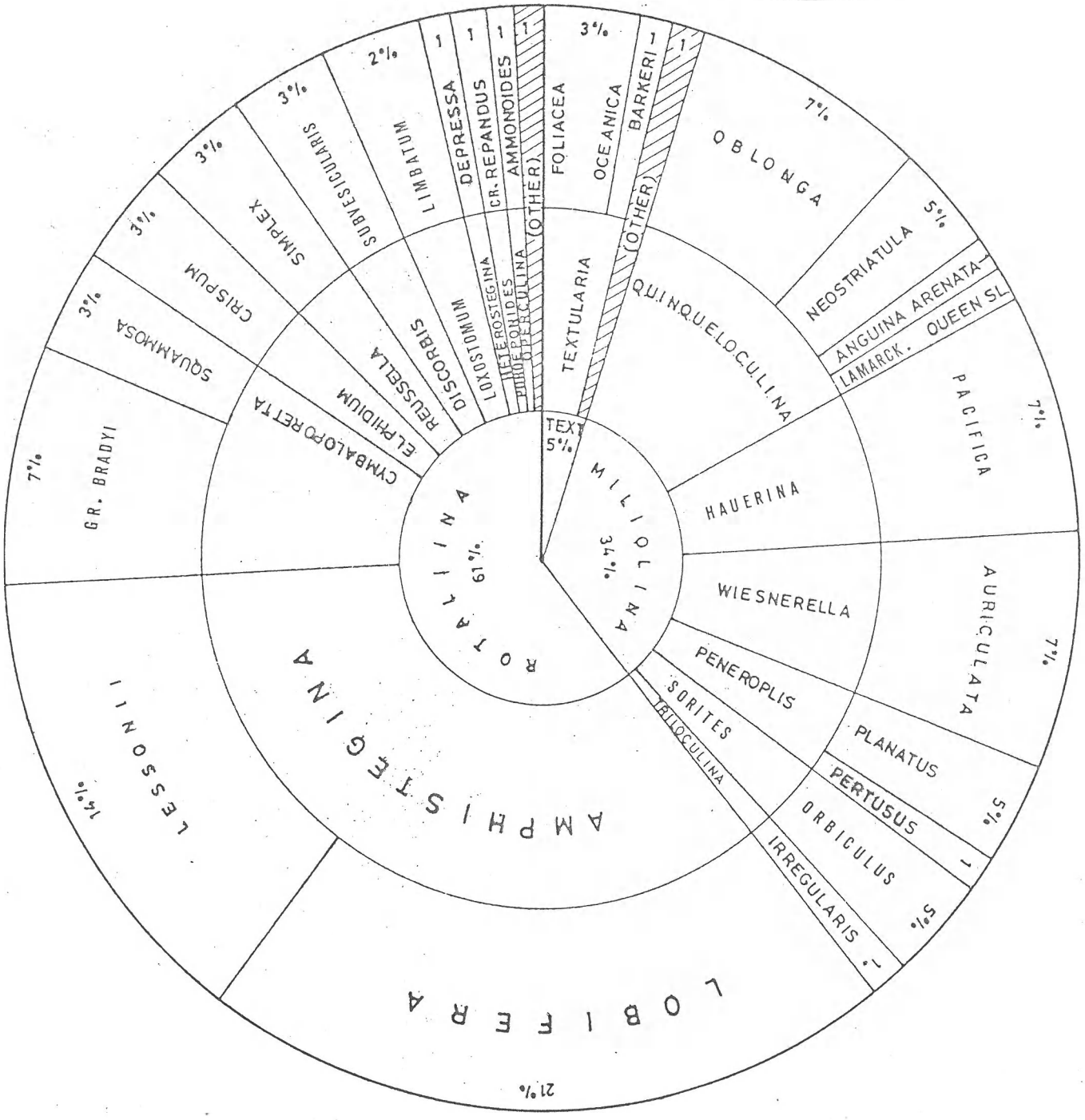
df/g = 769

fr/g = 265

indet/g = 557

T/g = 1591





L 100

PATCHREEFS

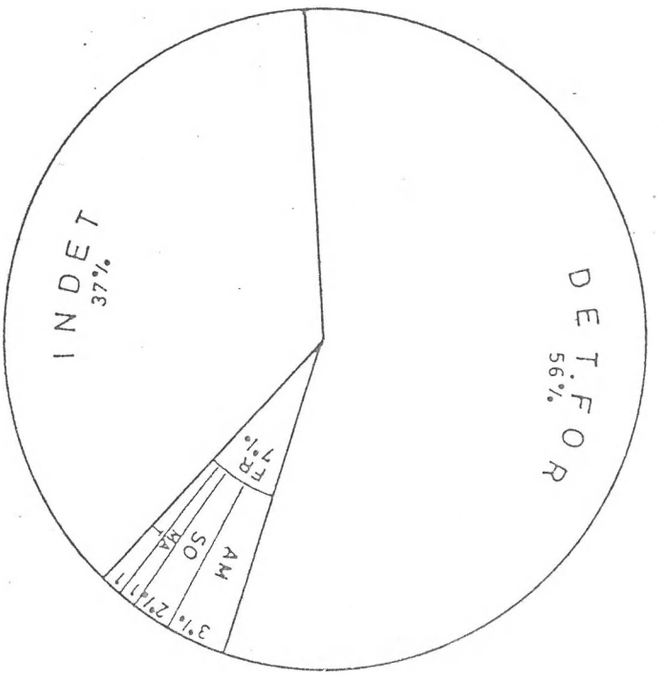
- 10 m

df/g = 896

fr/g = 115

indet/g = 597

T/g = 1608



L 102

PATCHREEFS

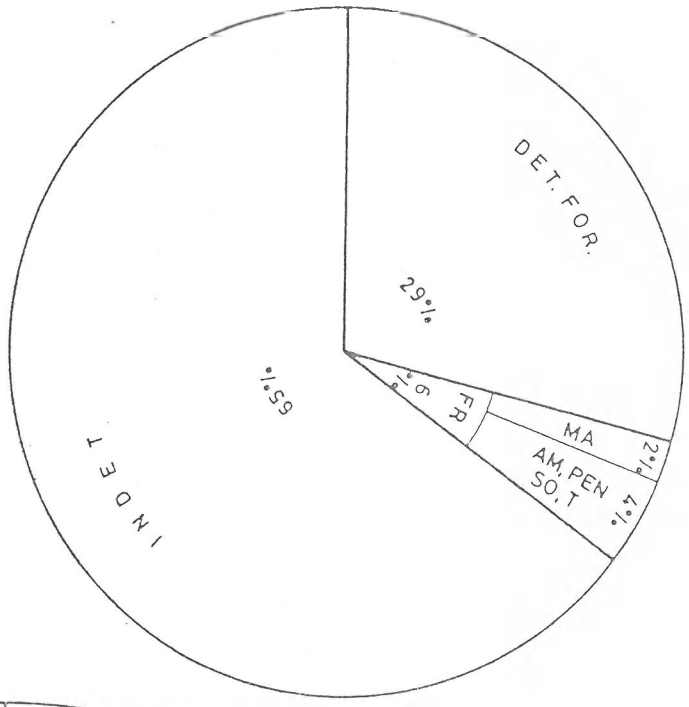
- 6 m

df/g = 665

fr/g = 133

indet/g = 1525

T/g = 2323



L 105

PATCHREEFS

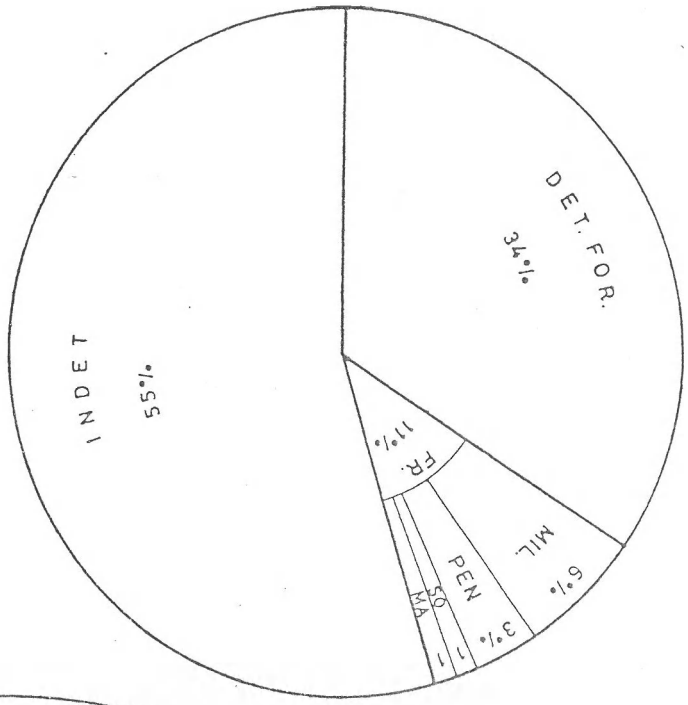
- 9 m

df/g = 81

fr/g = 25

indet/g = 132

T/g = 238



L 289 b

PATCHREEFS

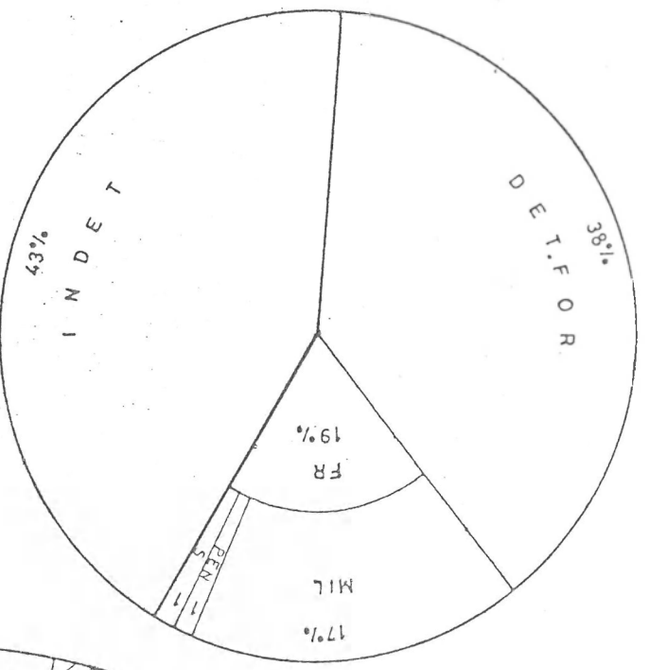
- 3,5 m

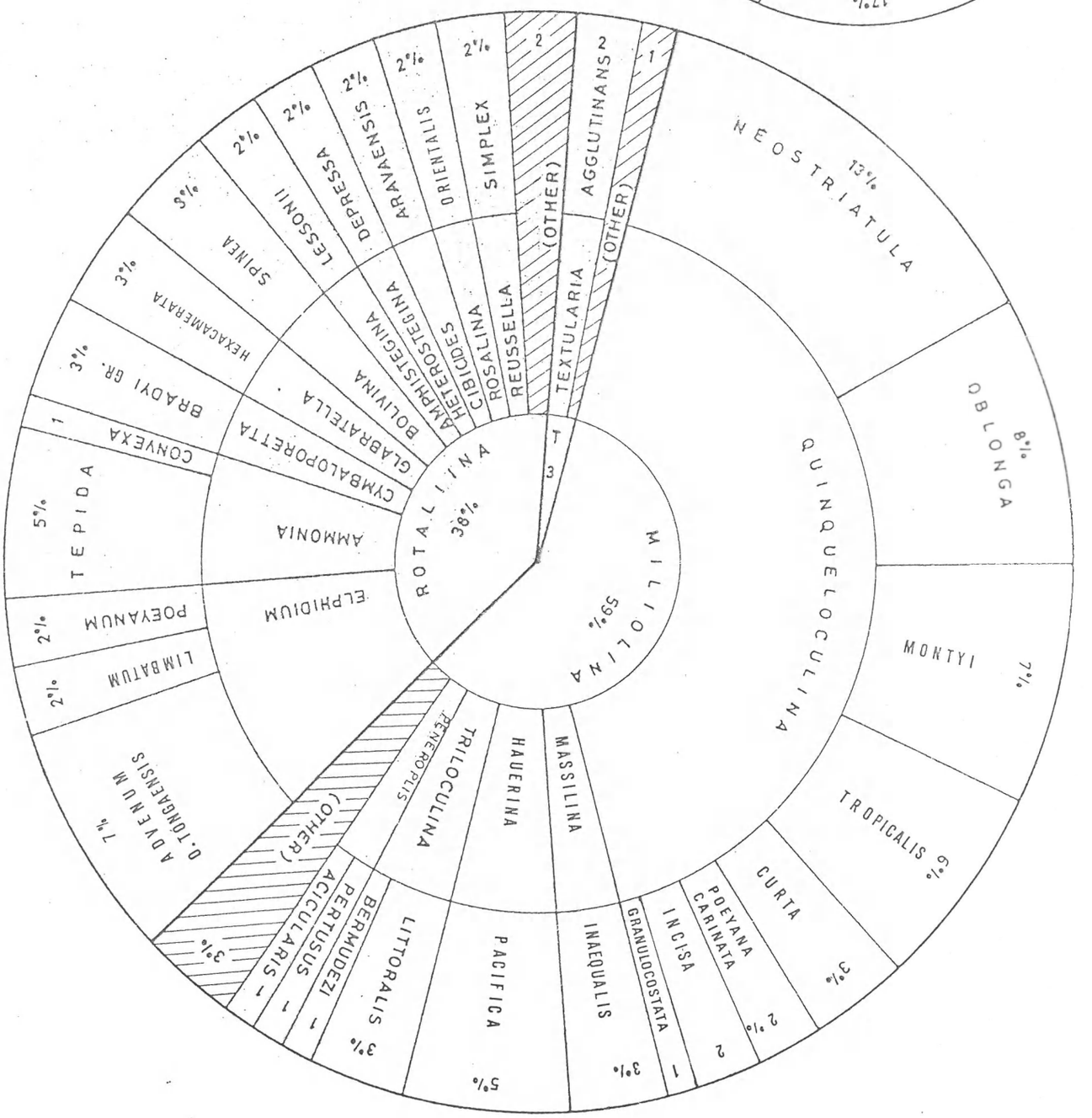
df/g = 722

fr/g = 376

indet/g = 802

T/g = 1900





L 291

PATCHREEFS

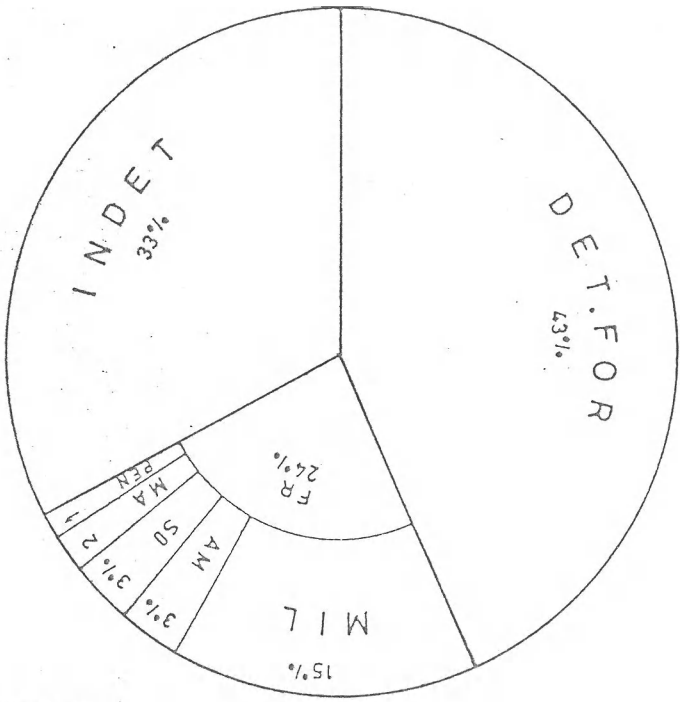
- 4 m

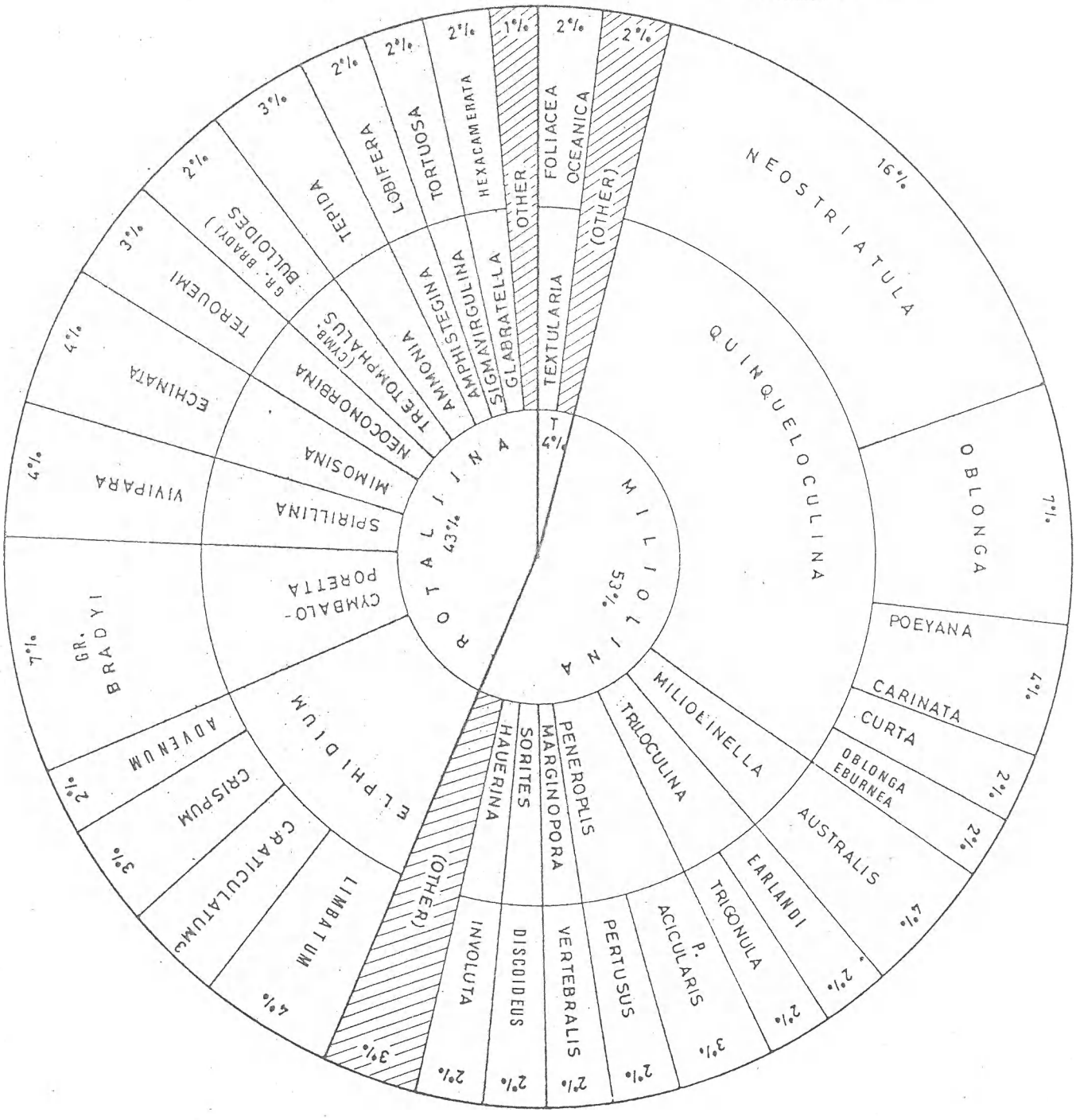
df/g = 152

fr/g = 85

indet/g = 115

T/g = 352





L 122

LAGOON

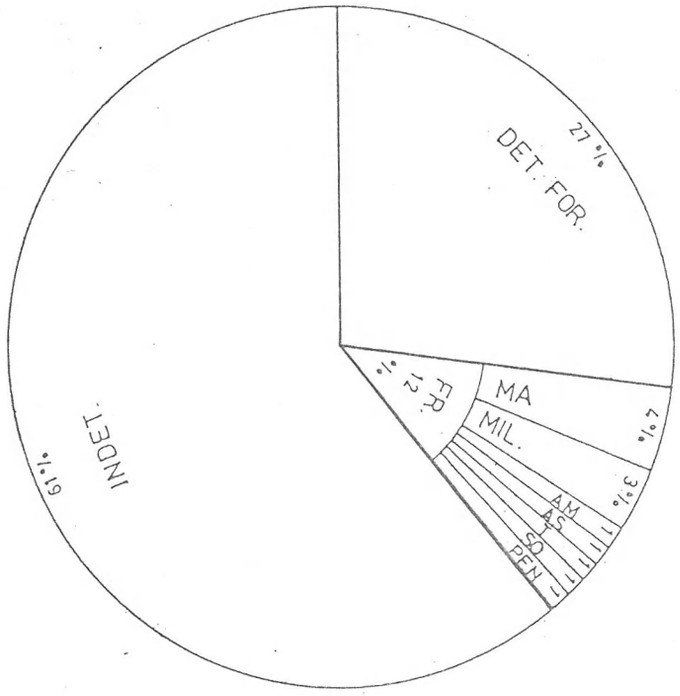
- 6,4 m

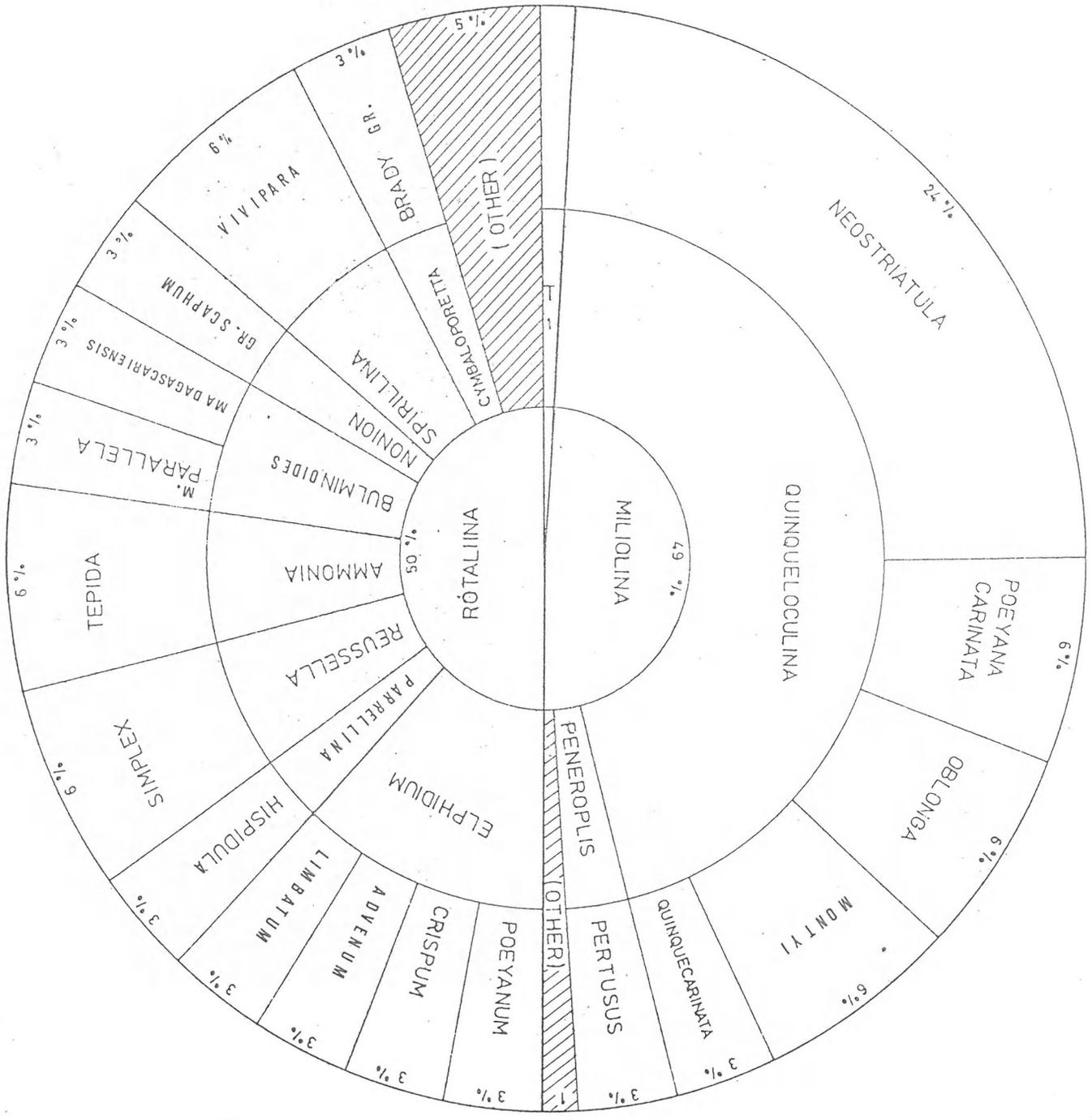
df/g = 251

fr/g = 118

indet/g = 576

T/g = 945





L 123

LAGOON

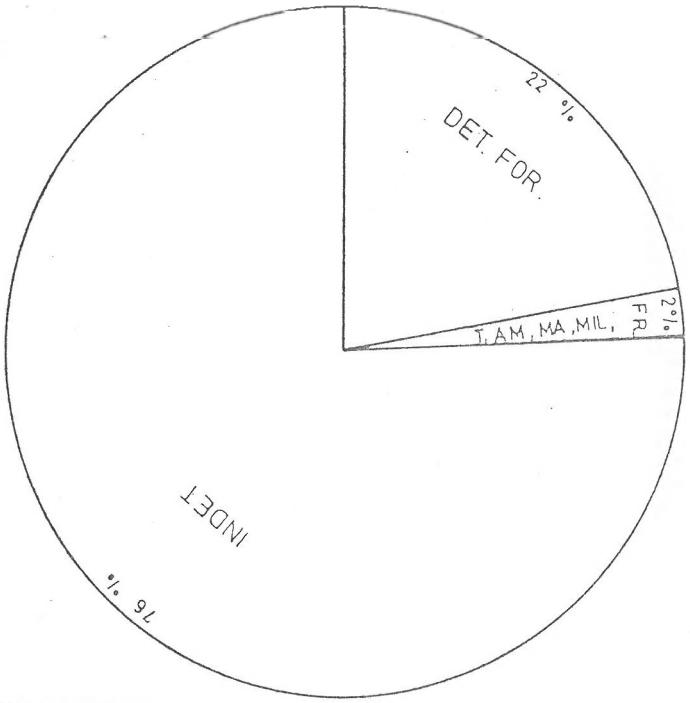
- 9 m

df/g = 814

fr/g = 66

indet/g = 2791

T/g = 3671



L 124

LAGOON

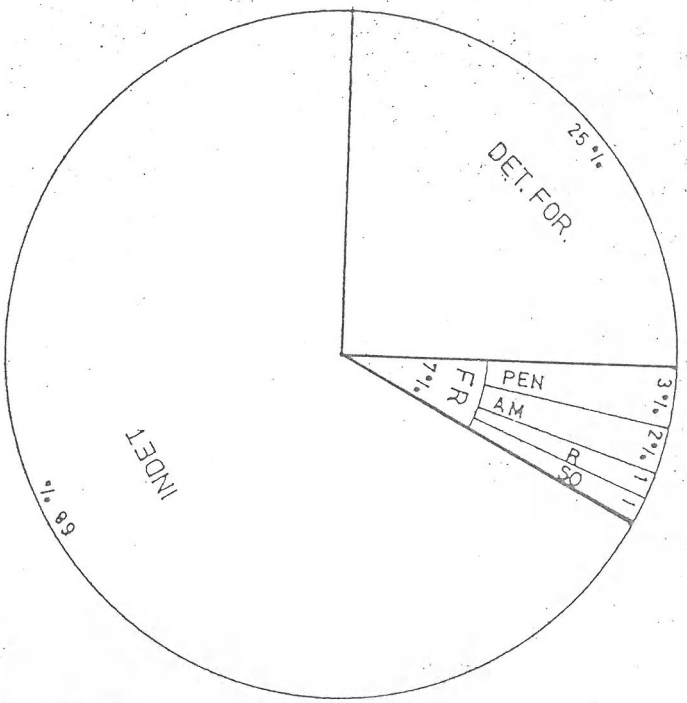
- 8,2 m

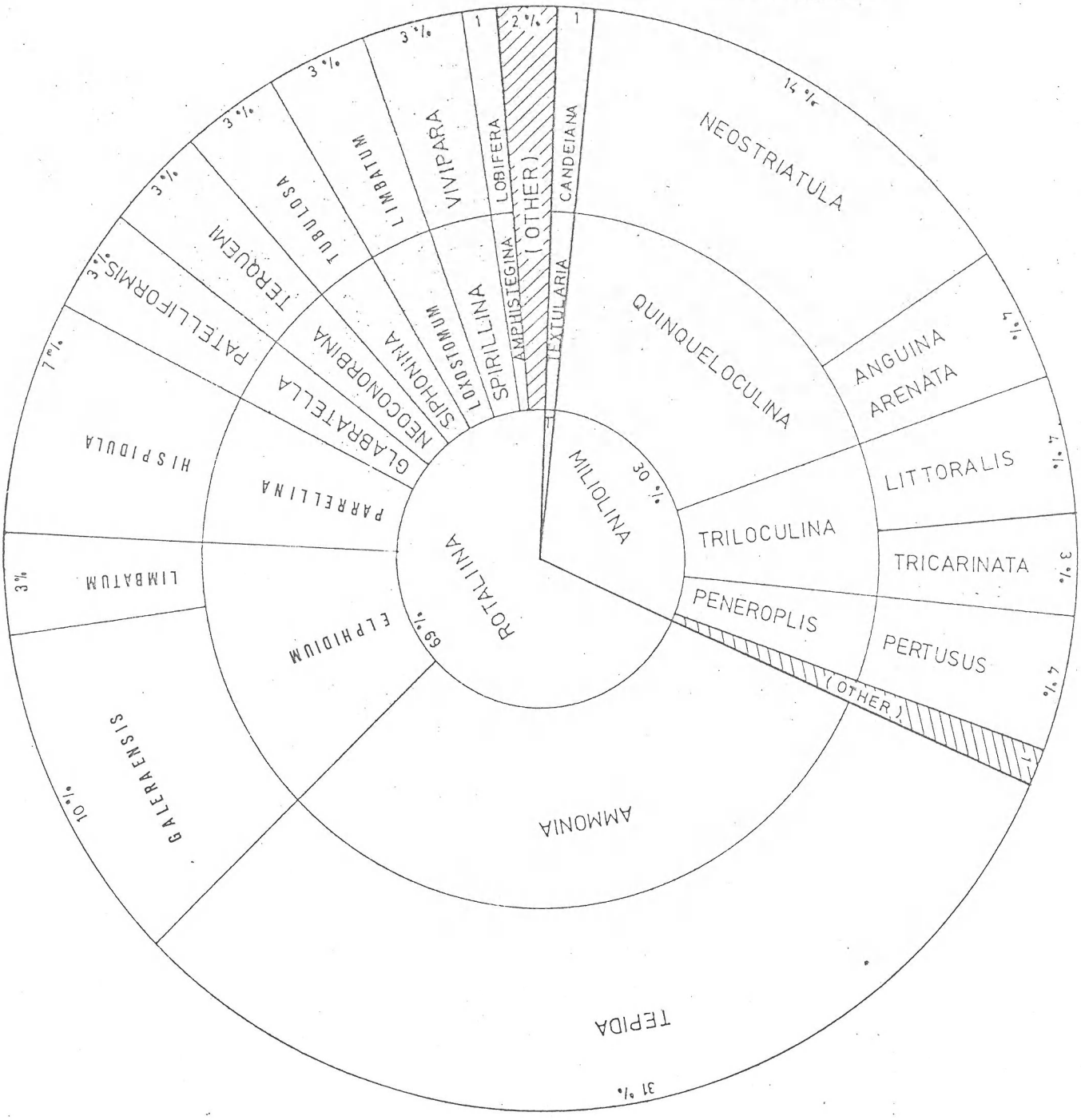
df/g = 481

fr/g = 128

indet/g = 1348

T/g = 1957





L 126

LAGOON

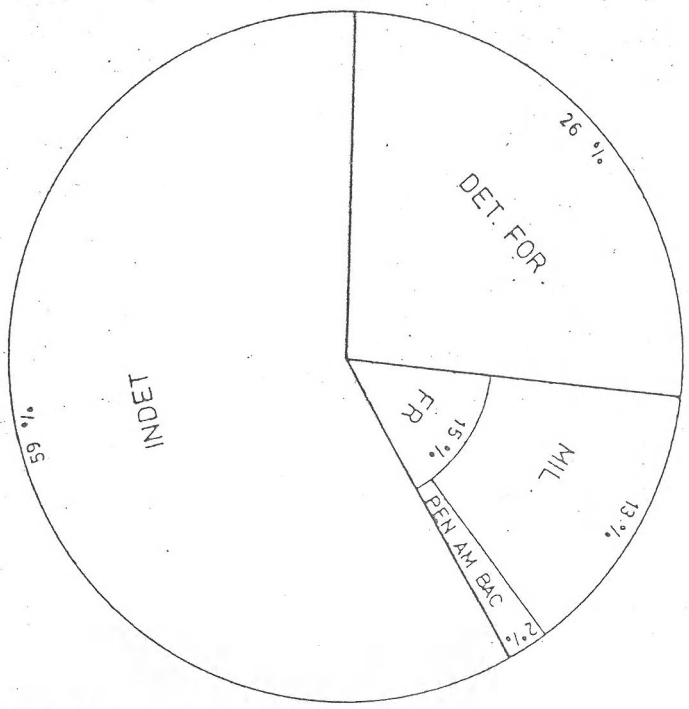
- 9,5 m

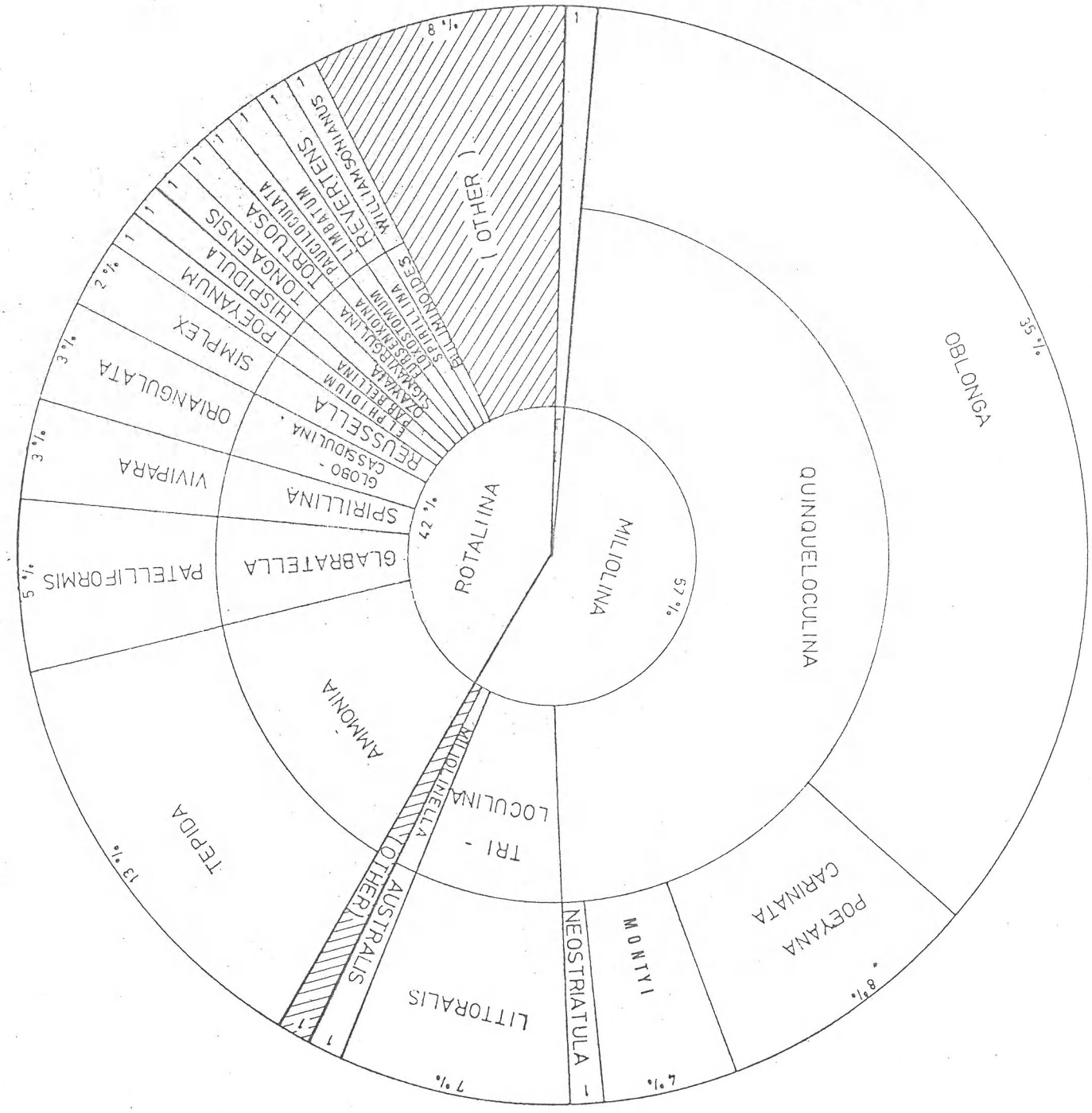
df/g = 3443

fr/g = 2005

indet/g = 7715

T/g = 13165





L 129

LAGOON

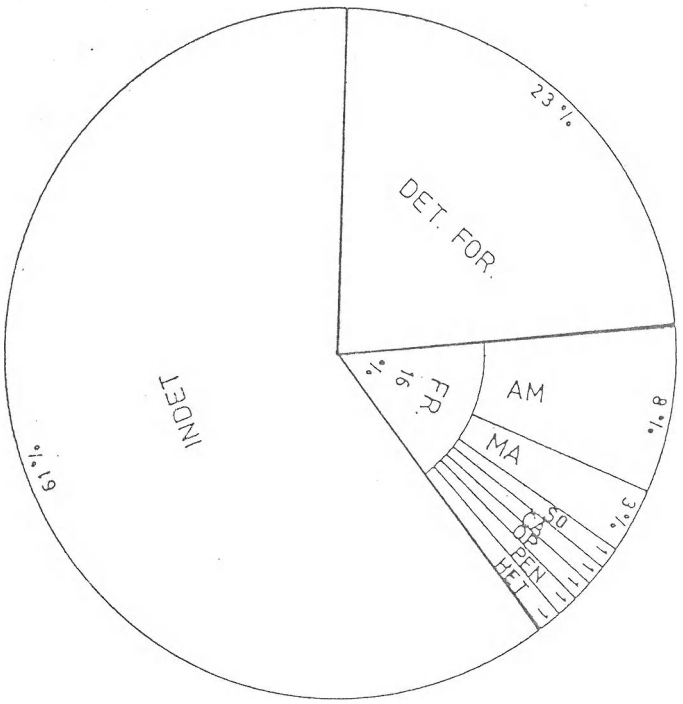
- 4,7 m

df/g = 473

fr/g = 329

indet/g = 1255

T/g = 2057



L 130

LAGOON

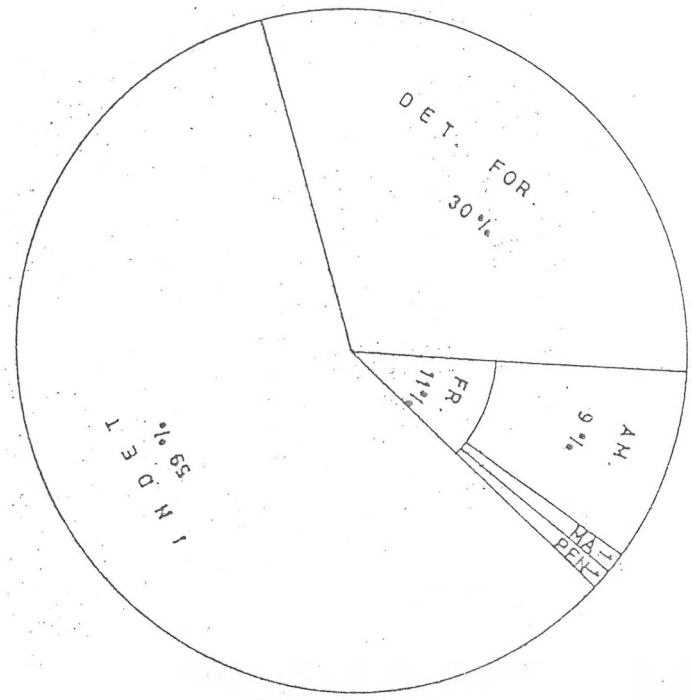
- 7,6 m

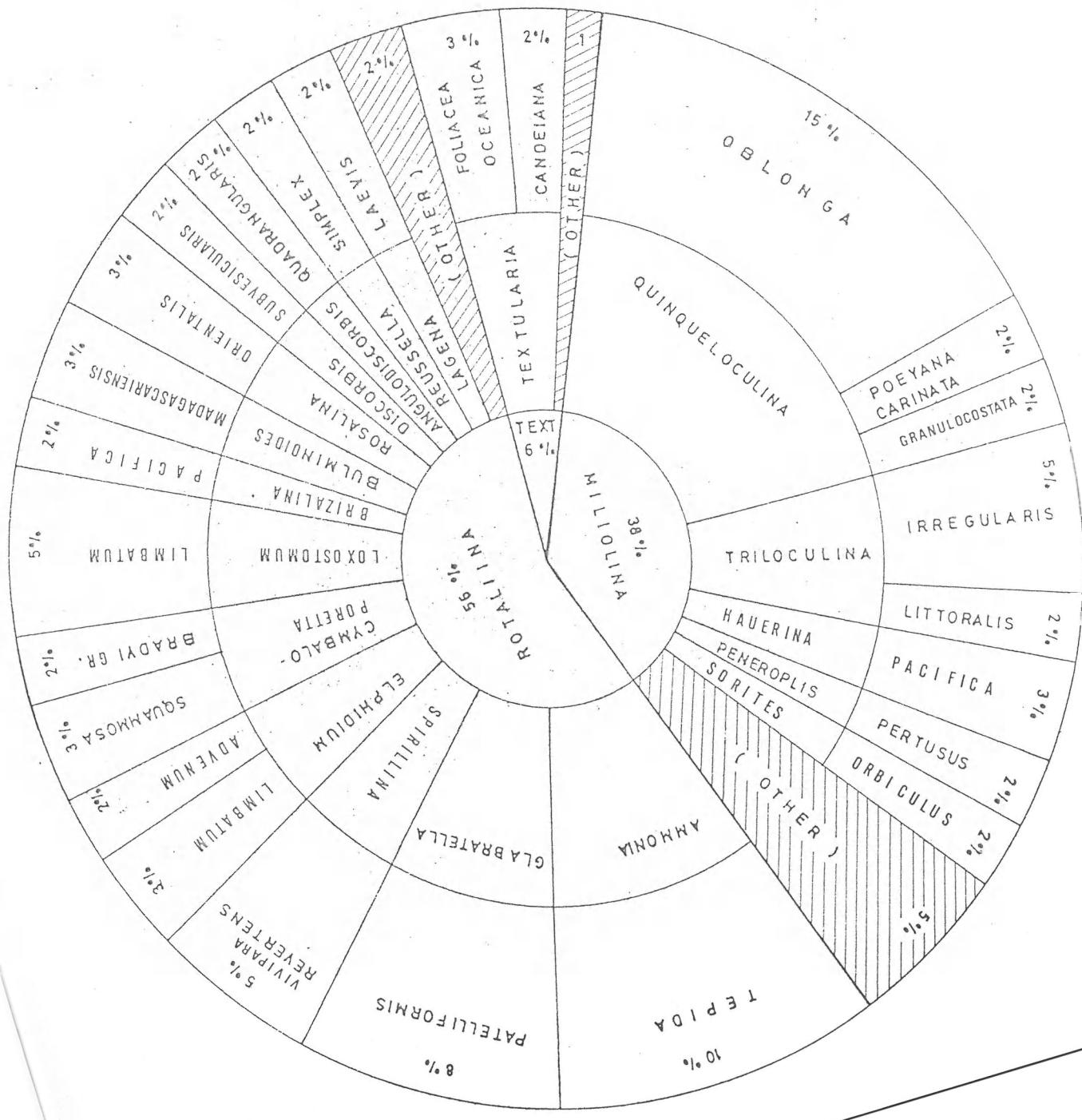
df/g = 739

fr/g = 263

indet/g = 1429

T/g = 2431





L 131

LAGOON

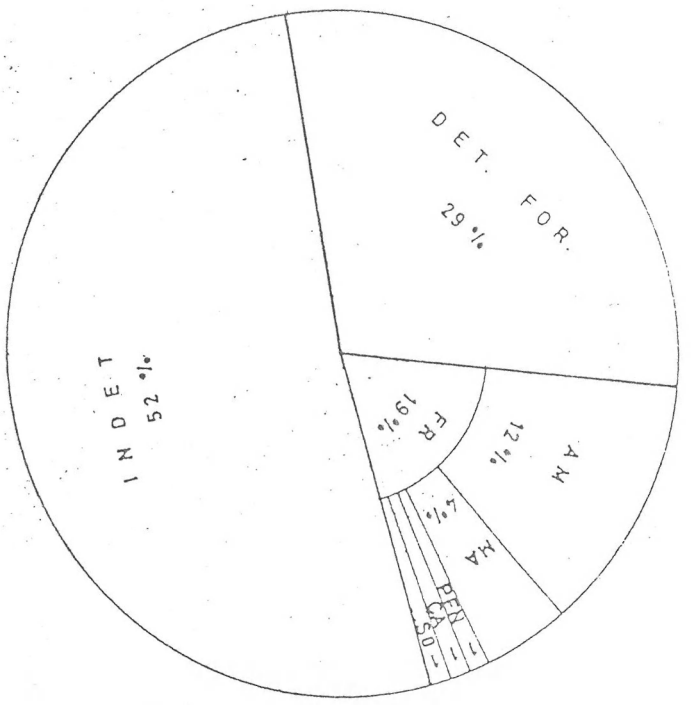
- 4,8 m

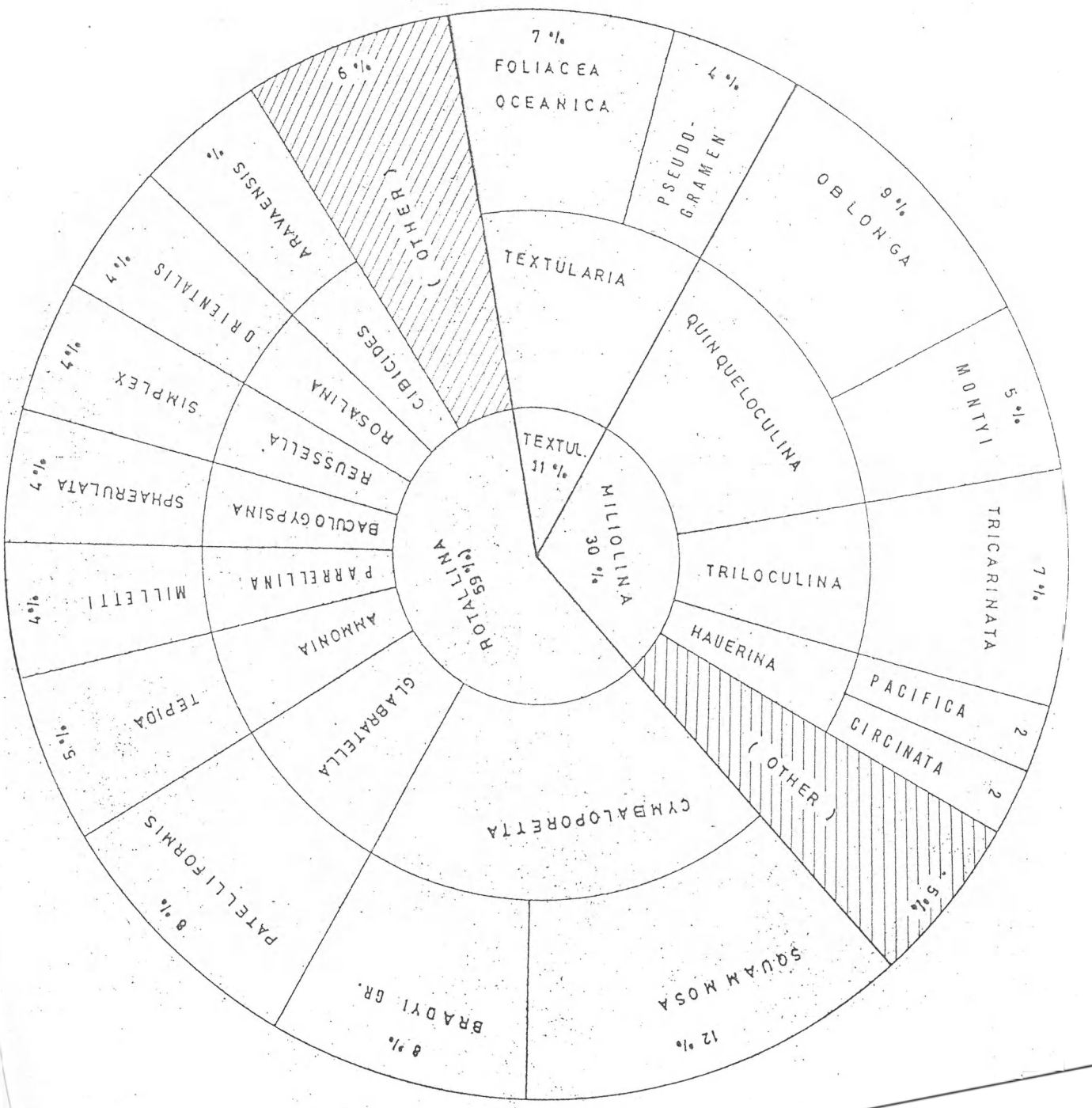
df/g = 476

fr/g = 317

indet/g = 864

T/g = 1657





L 134

LAGOON

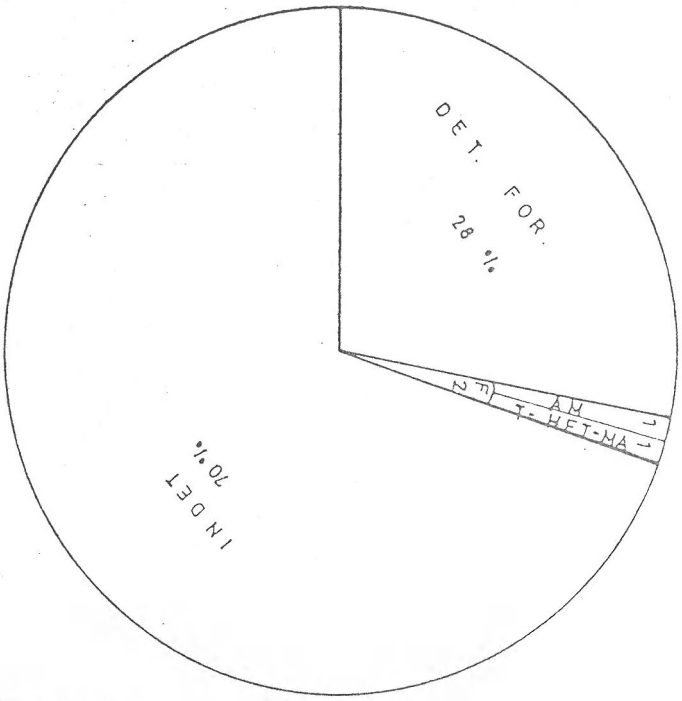
- 7 m

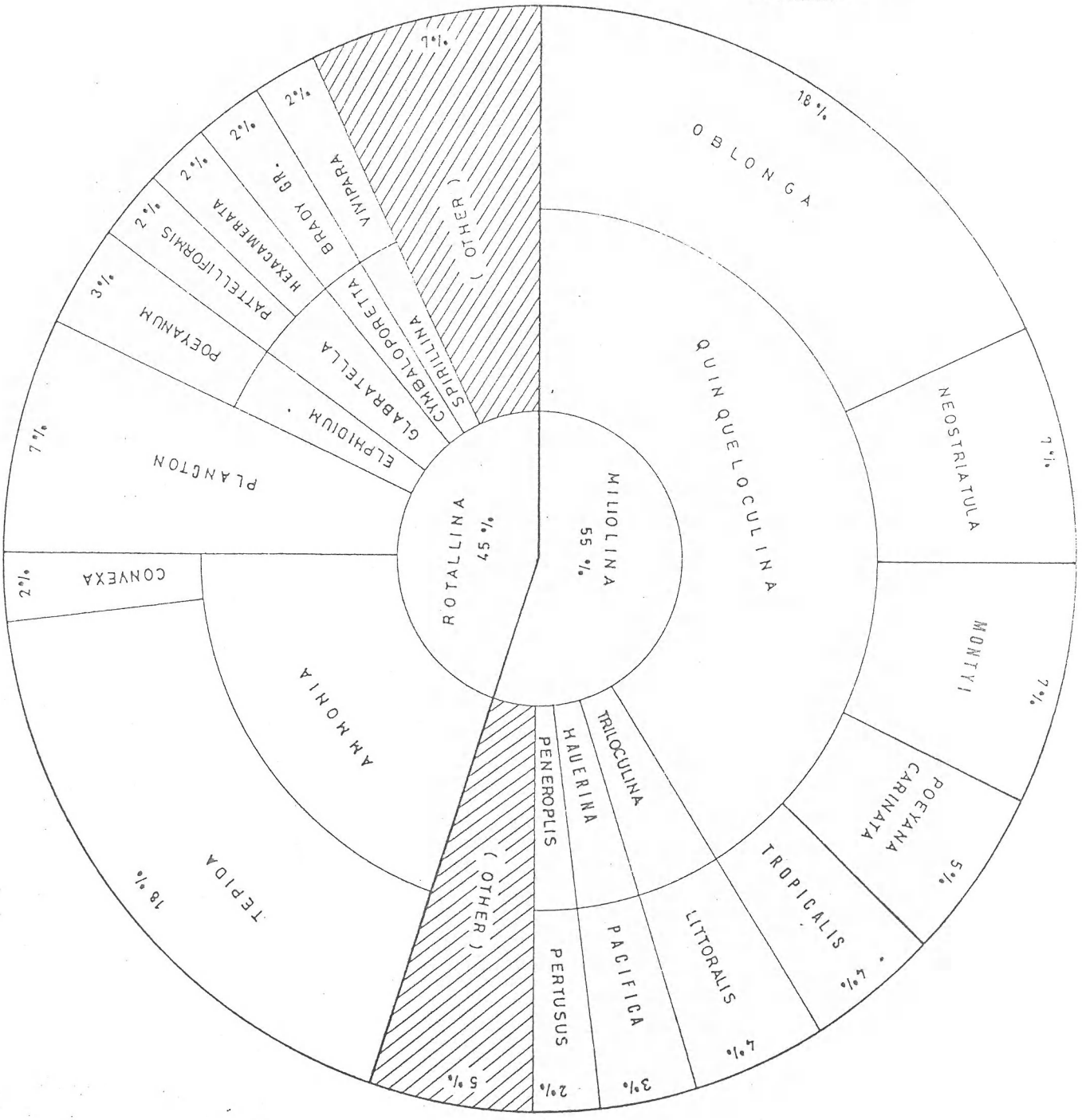
df/g = 1842

fr/g = 131

indet/g = 4720

T/g = 6693





L 136

LAGOON

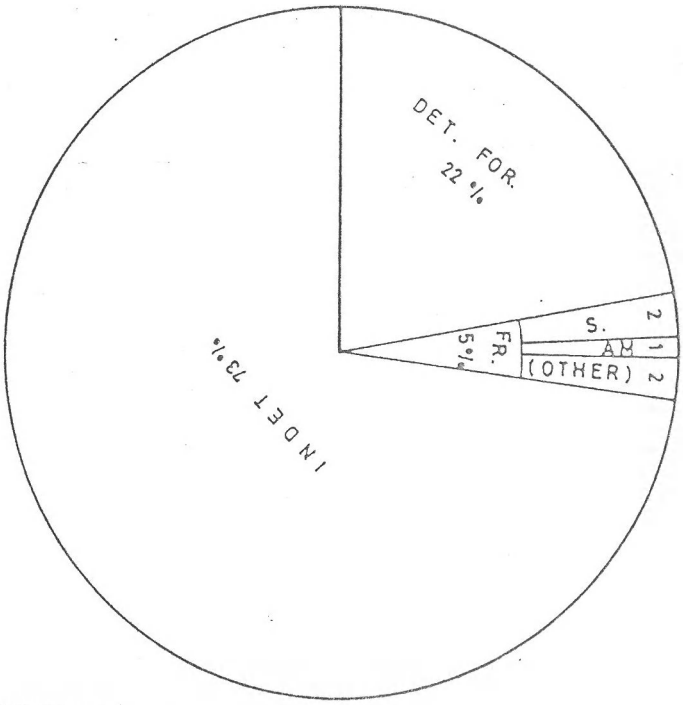
- 7,6 m

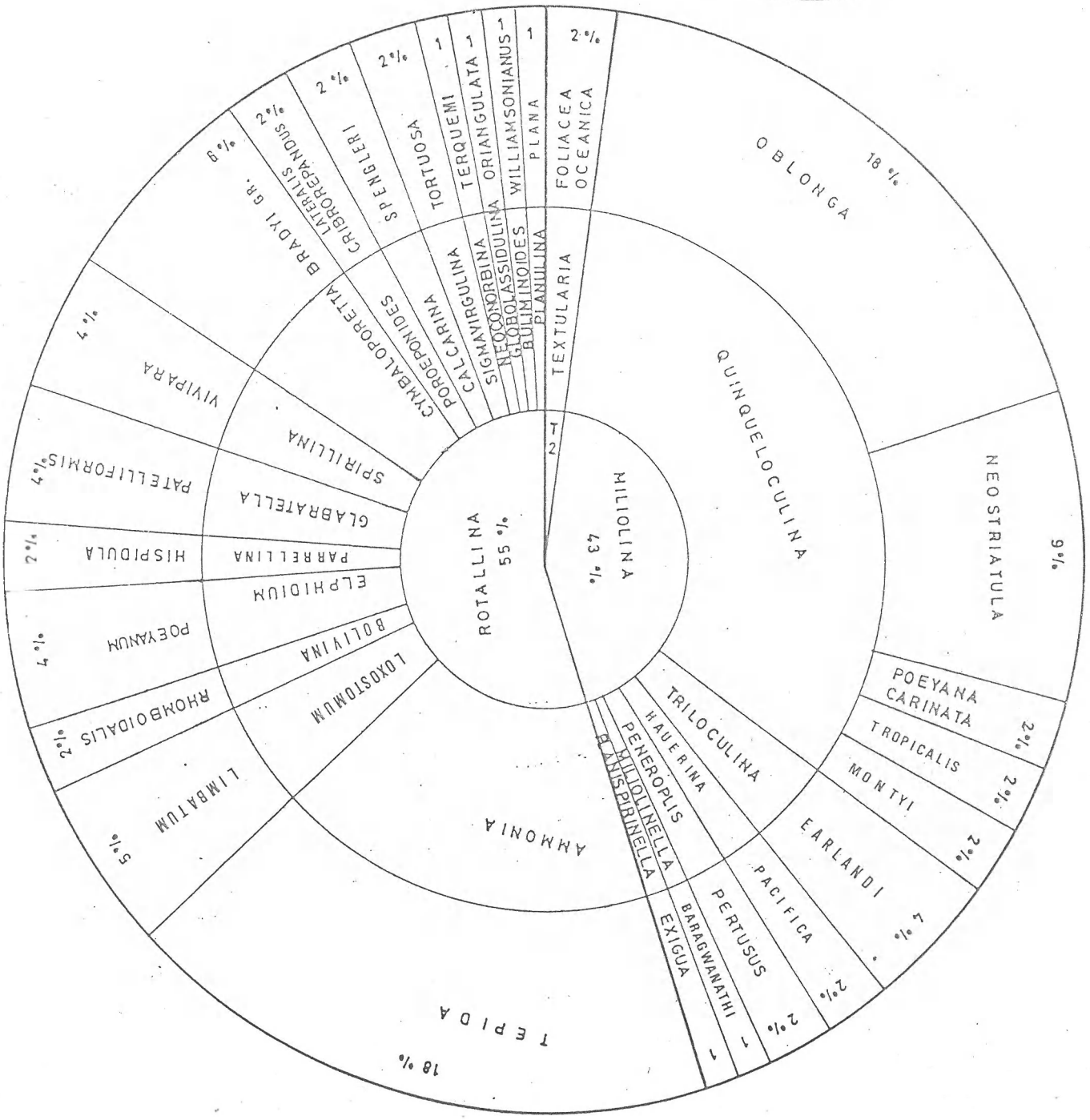
df/g = 776

fr/g = 166

indet/g = 2649

T/g = 3591





L 139

LAGOON

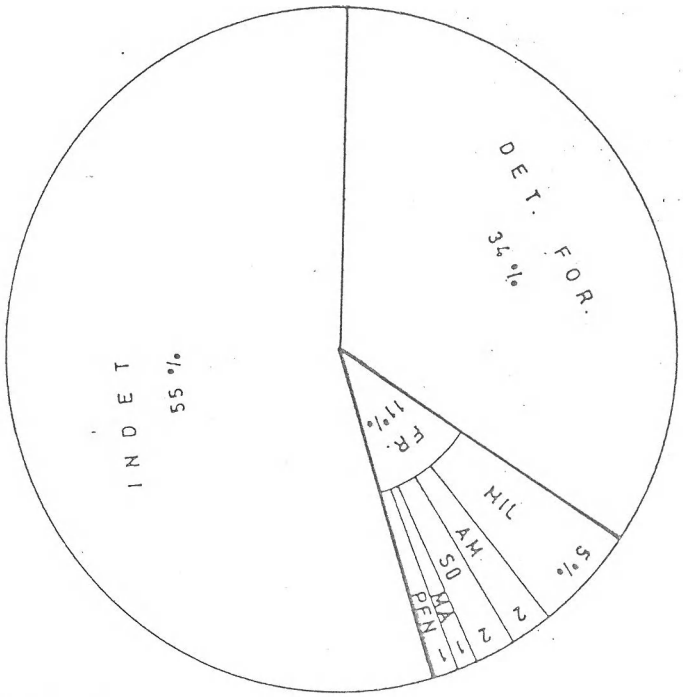
- 2,1 m

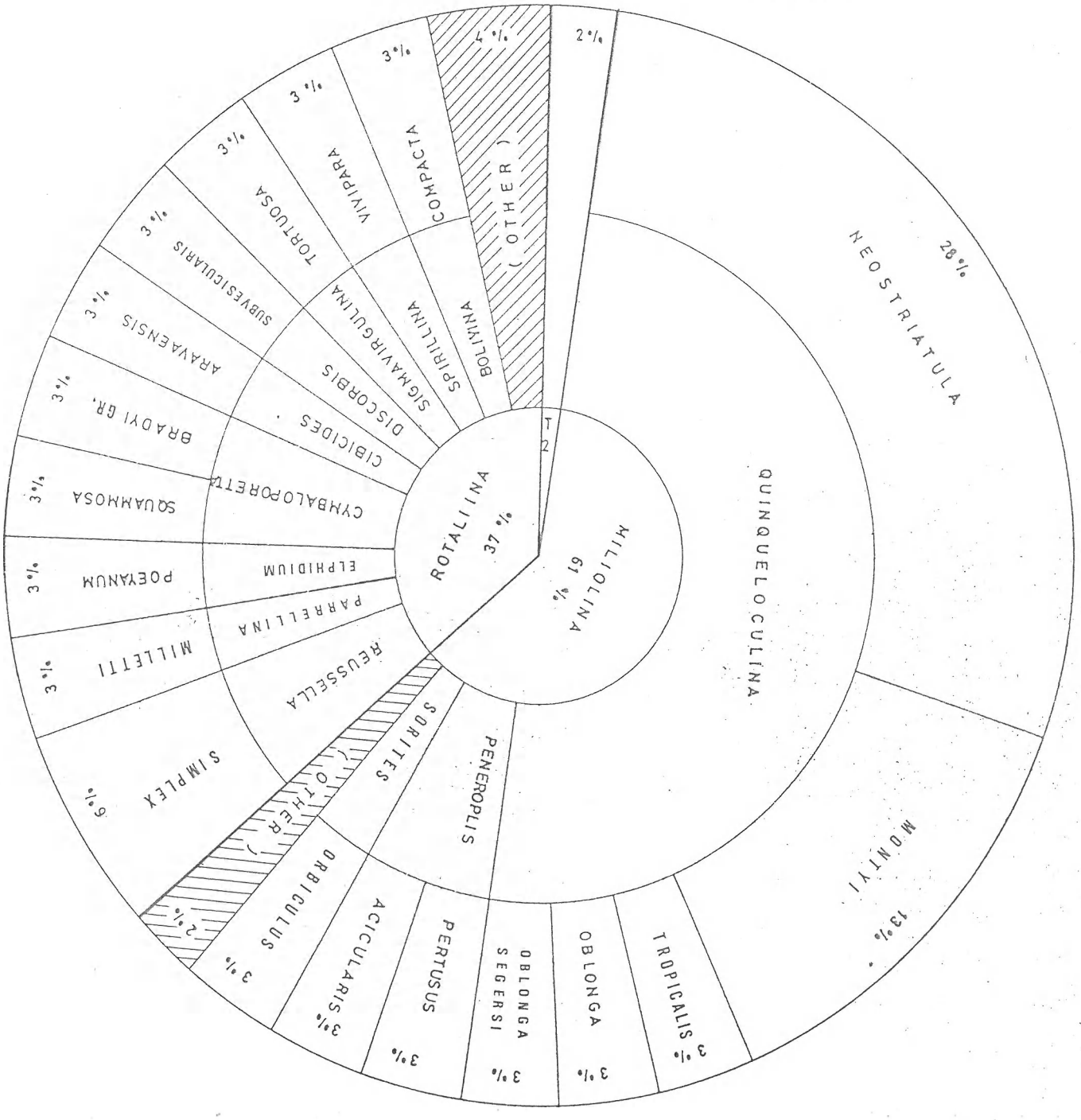
df/g = 587

fr/g = 183

indet/g = 935

T/g = 1705





L 151

LAGOON

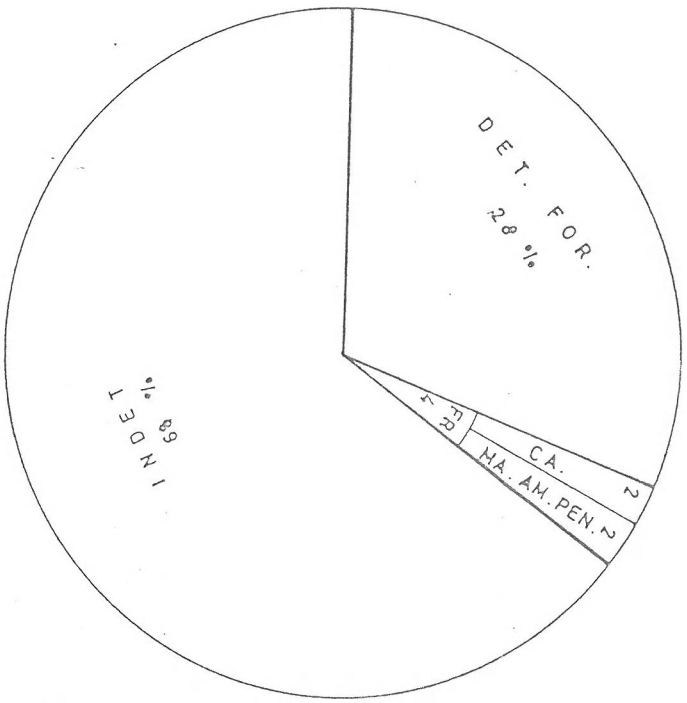
- 3,7 m

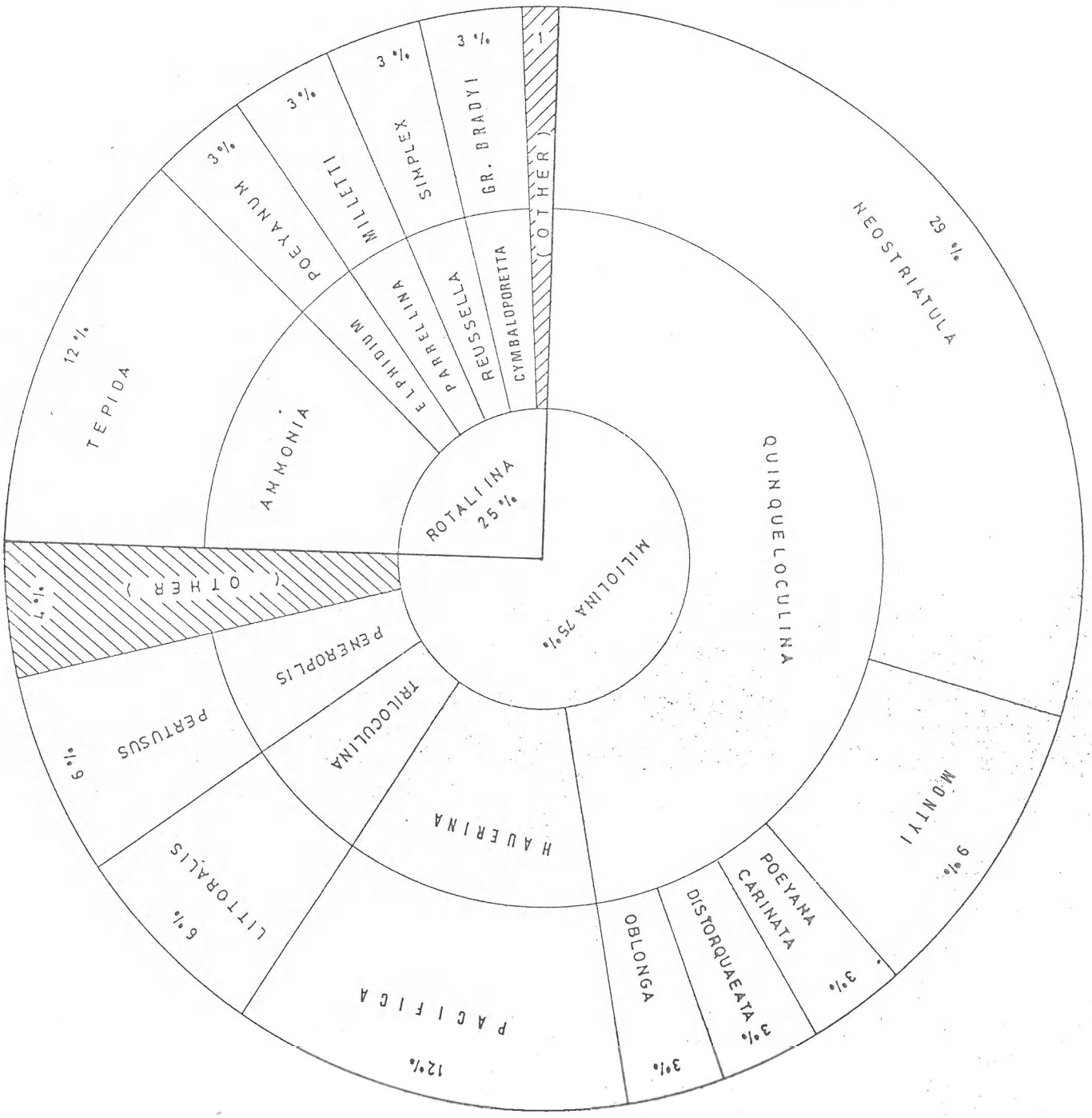
df/g = 342

fr/g = 50

indet/g = 845

T/g = 1237





L 121

LAGOON

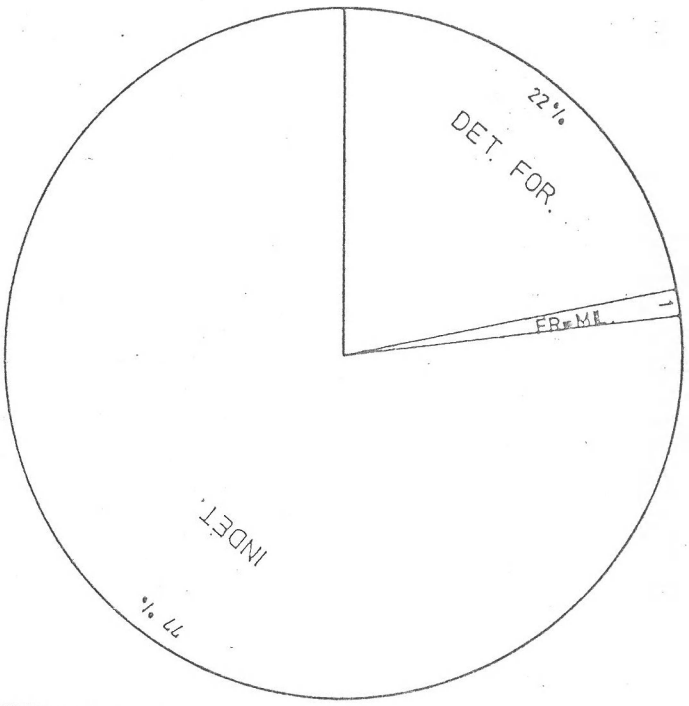
- 7,9 m

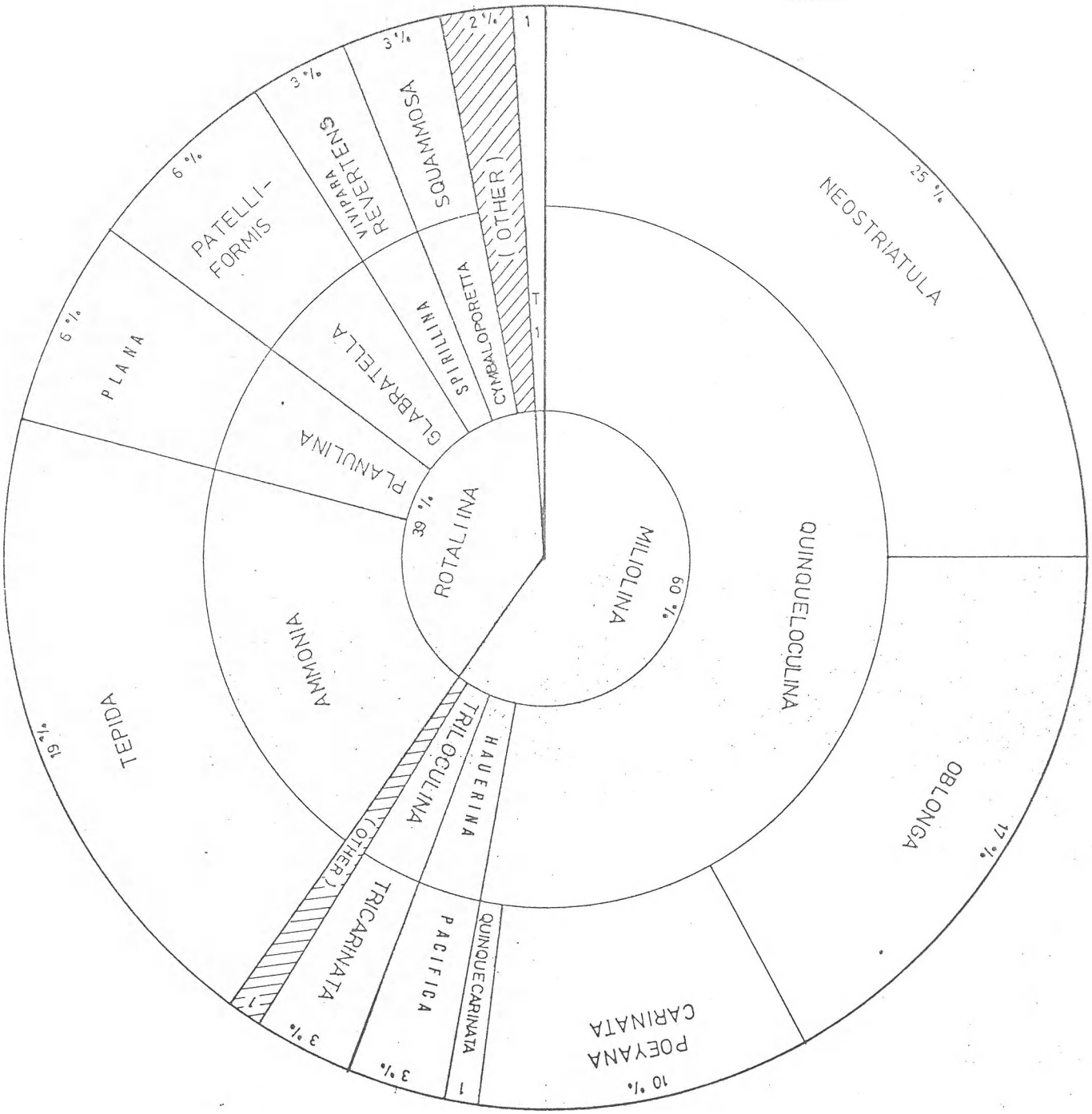
df/g = 992

fr/g = 41

indet/g = 3553

T/g = 4586





L 120

LAGOON ENTRANCE

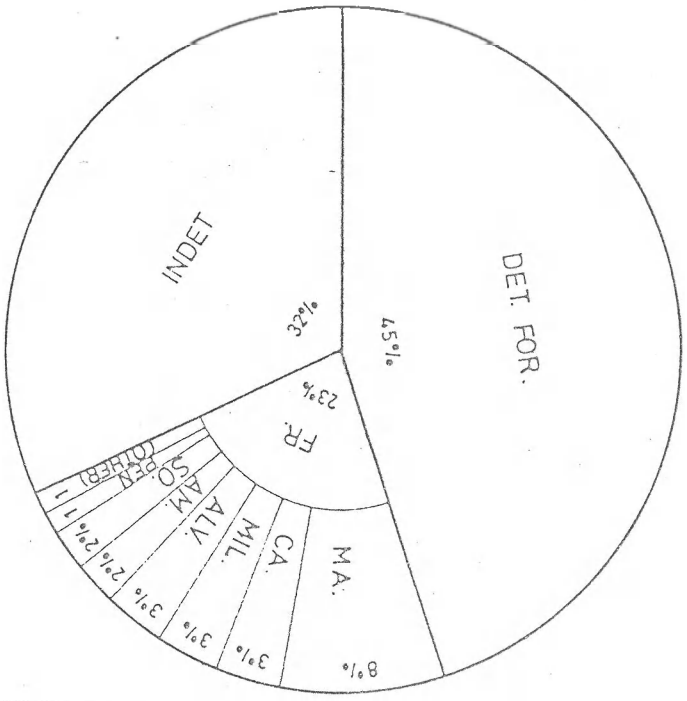
- 16,7 m

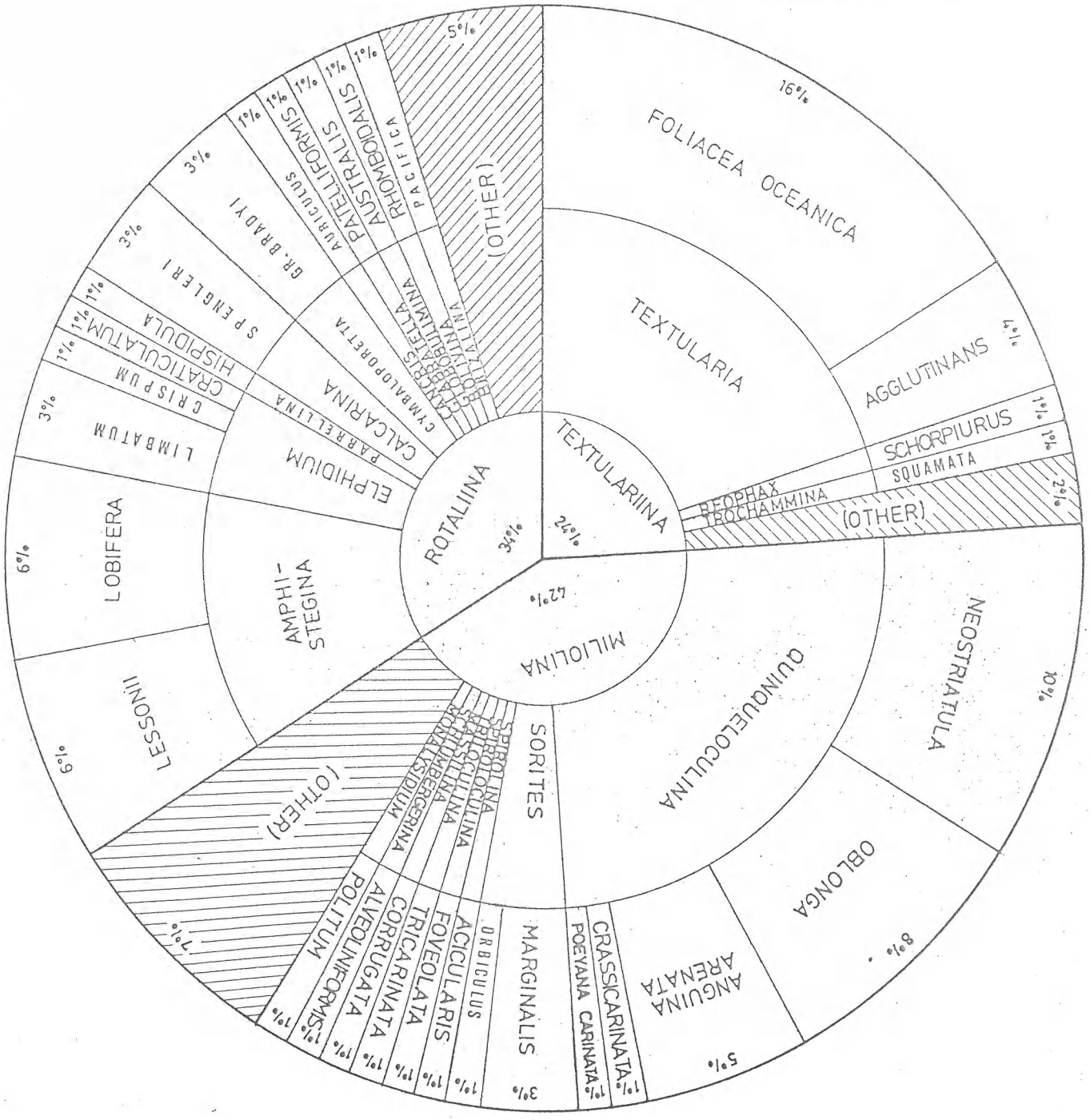
df/g = 247

fr/g = 126

indet/g = 172

T/g = 545





L 50

PERIREEFAL AREA (N)

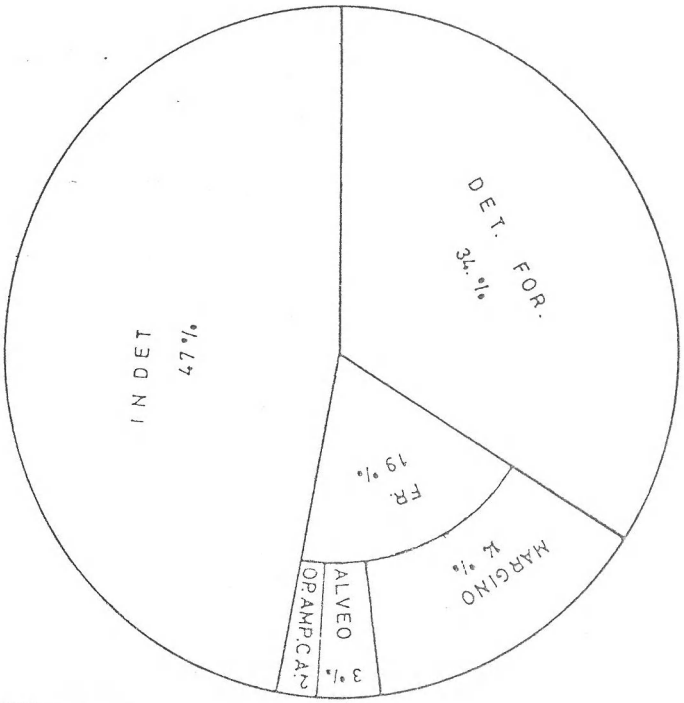
- 16 m

df/g = 1823

fr/g = 1047

indet/g = 2509

T/g = 5379



L 54

PERIREEFAL AREA (N)

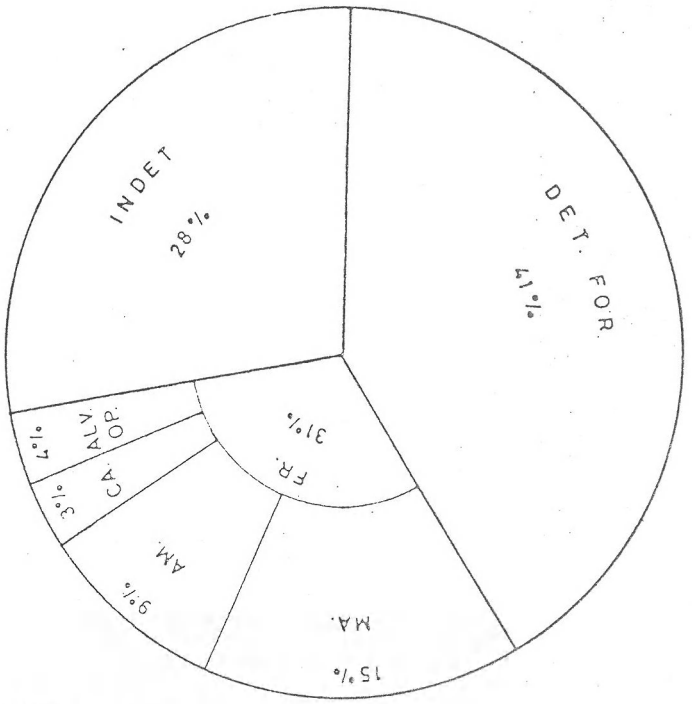
- 25 m

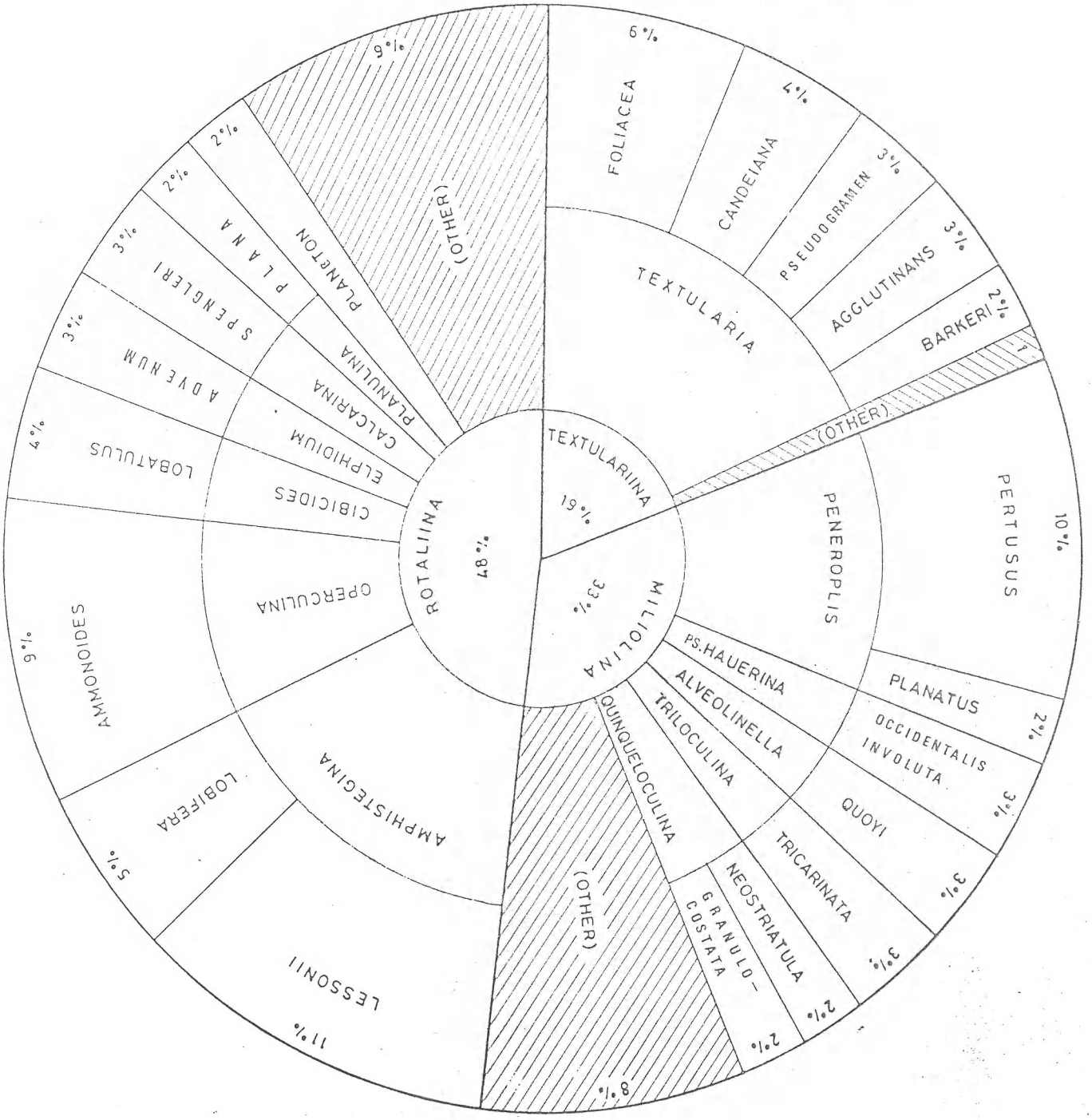
df/g = 2808

fr/g = 2106

indet/g = 1985

T/g = 6899





L 56

PERIREEFAL AREA (N)

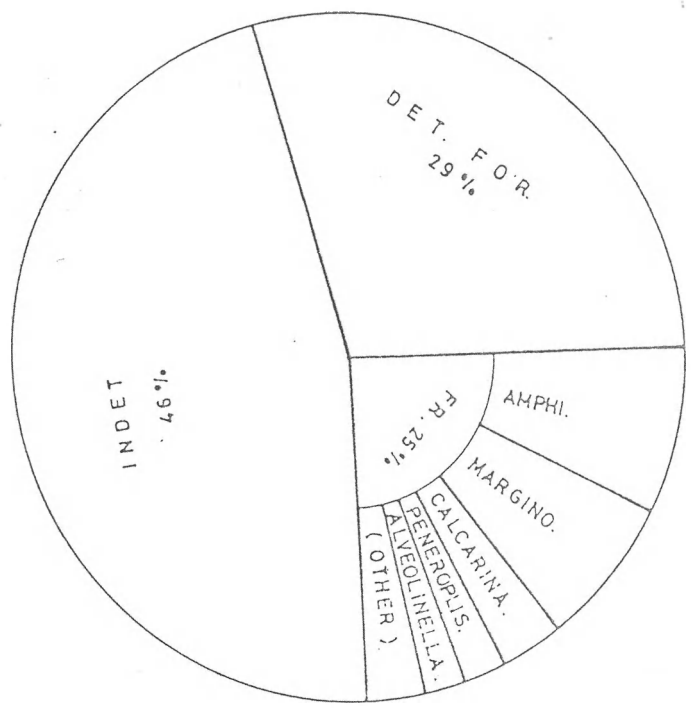
- 22 m

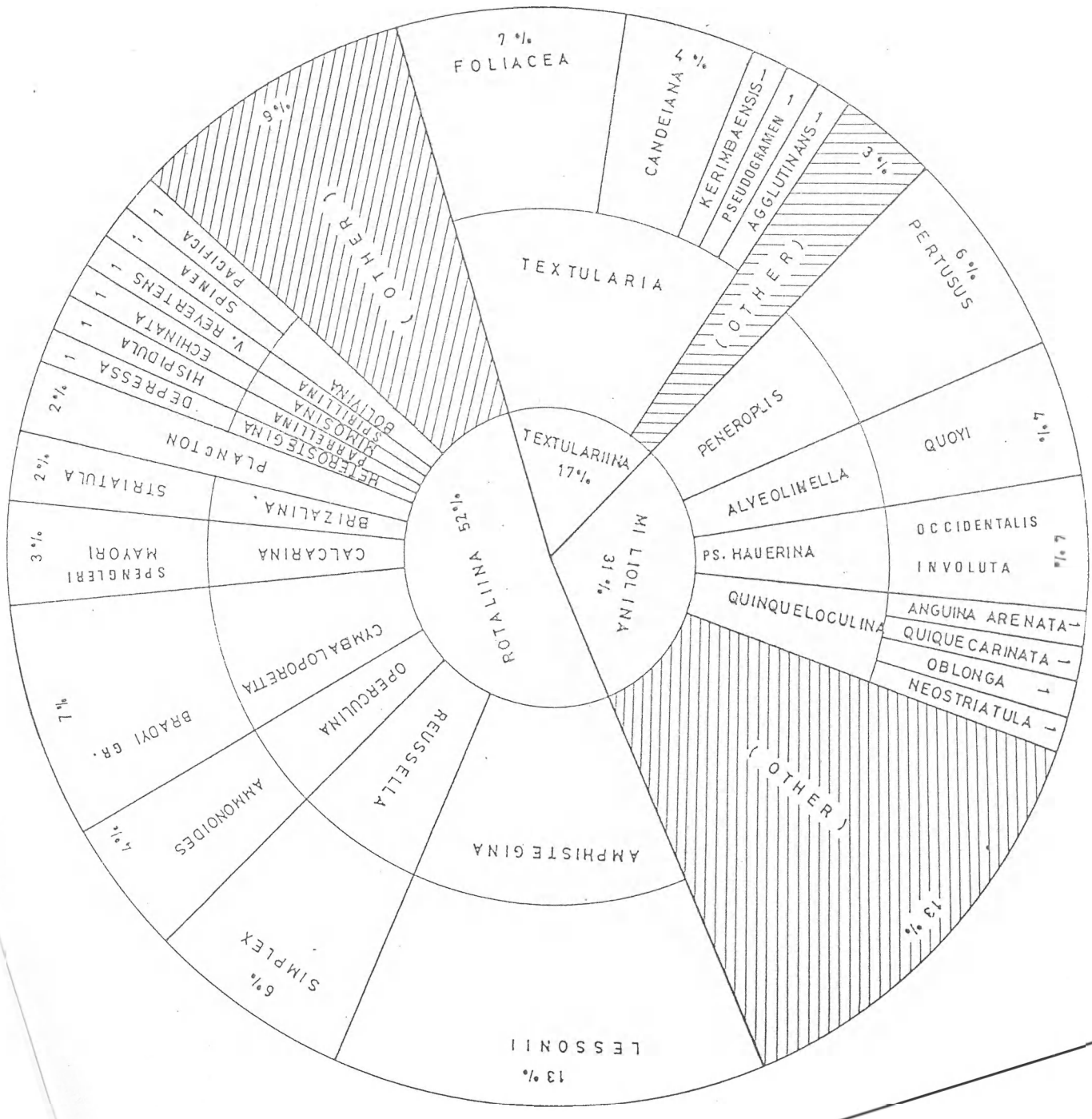
df/g = 2182

fr/g = 1847

indet/g = 3391

T/g = 7420





L 59

PERIREEFAL AREA (NE)

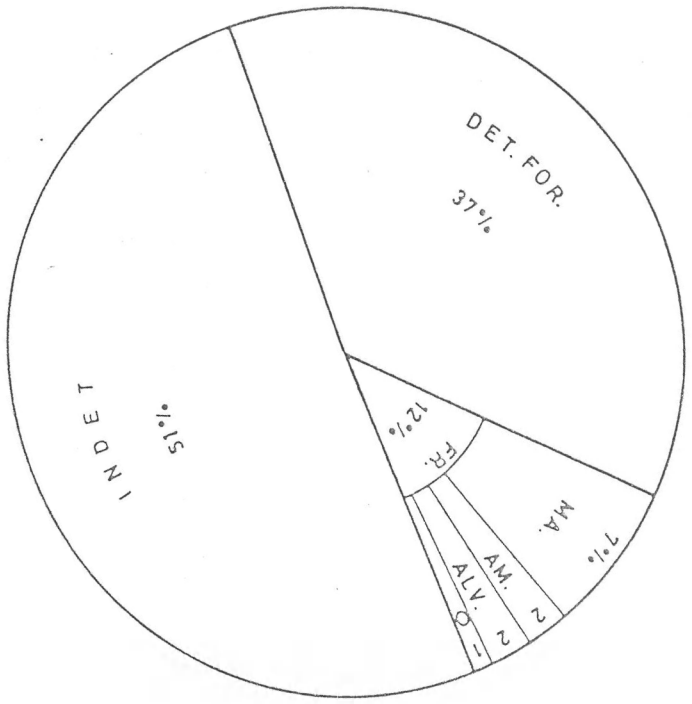
- 26 m

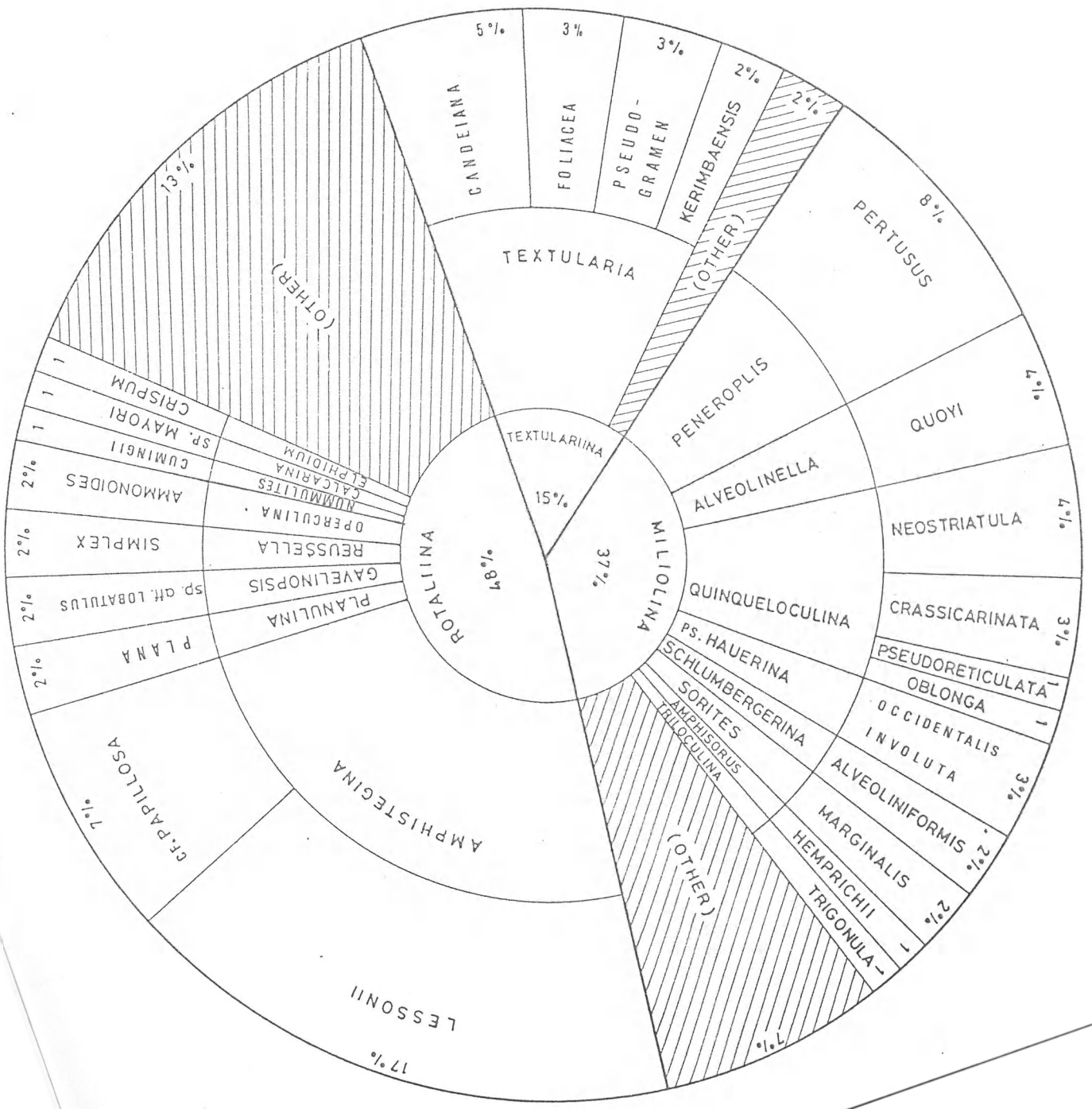
df/g = 1484

fr/g = 469

indet/g = 2109

T/g = 4062





L 60

PERIREEFAL AREA (NE)

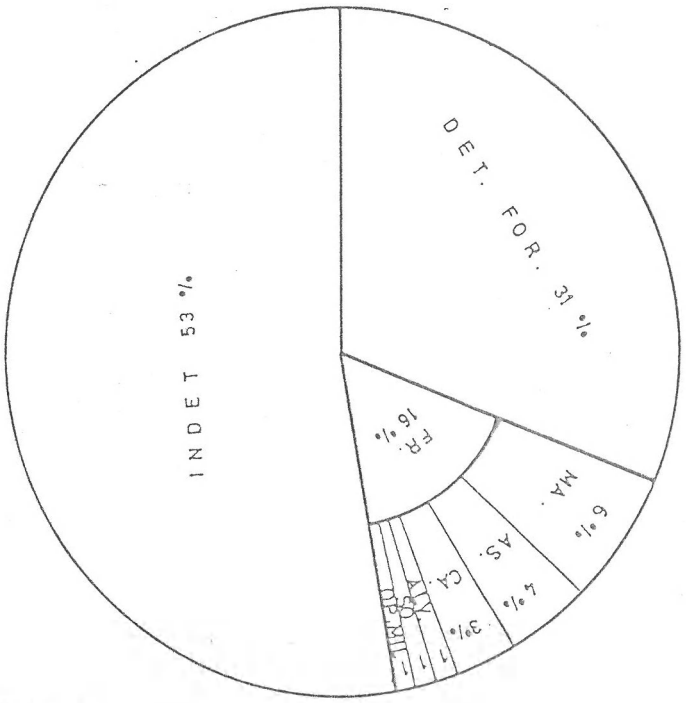
- 21 m

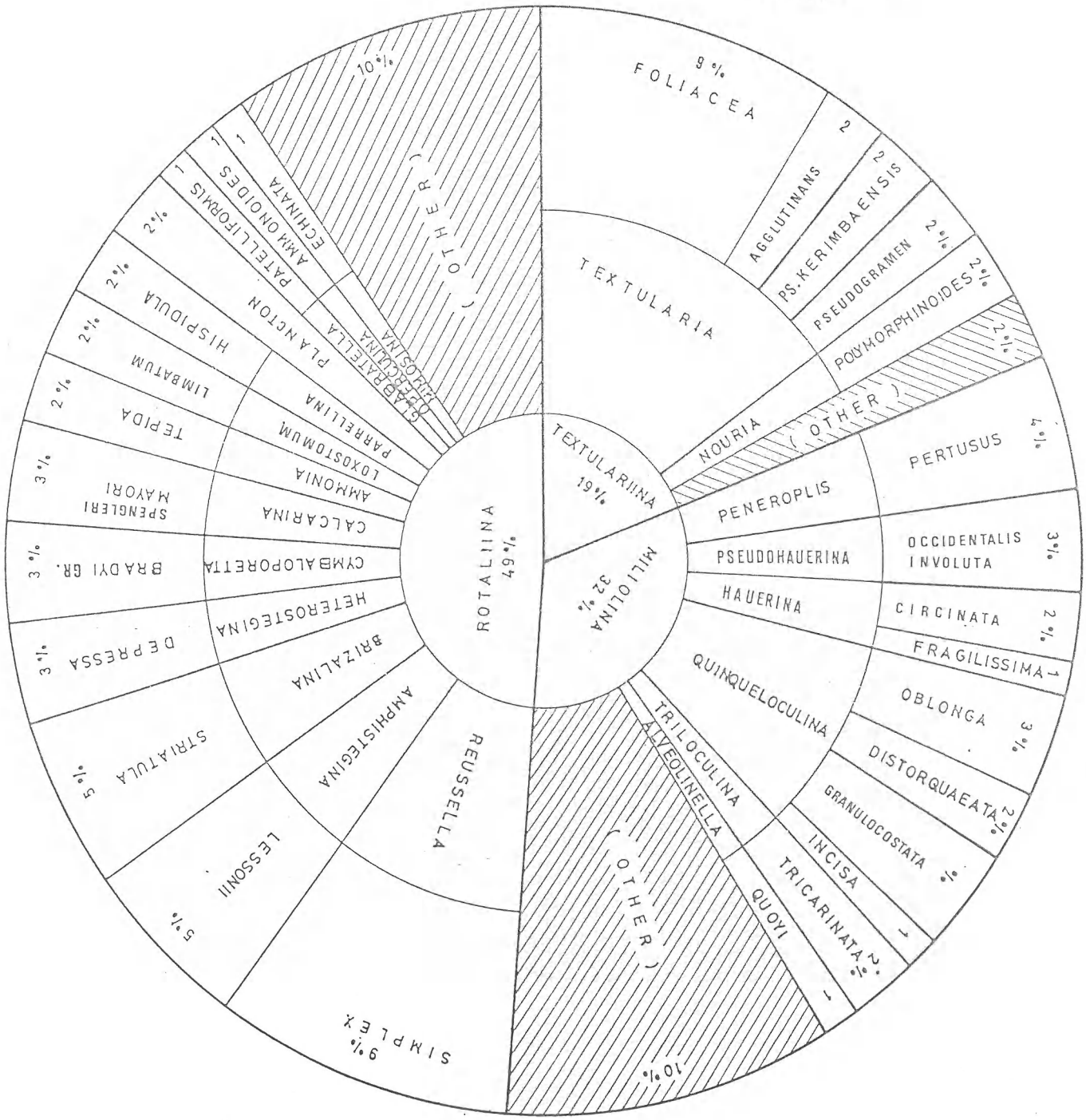
df/g = 3874

fr/g = 1978

indet/g = 6505

T/g = 12357





L 62

PERIREEFAL AREA (NE)

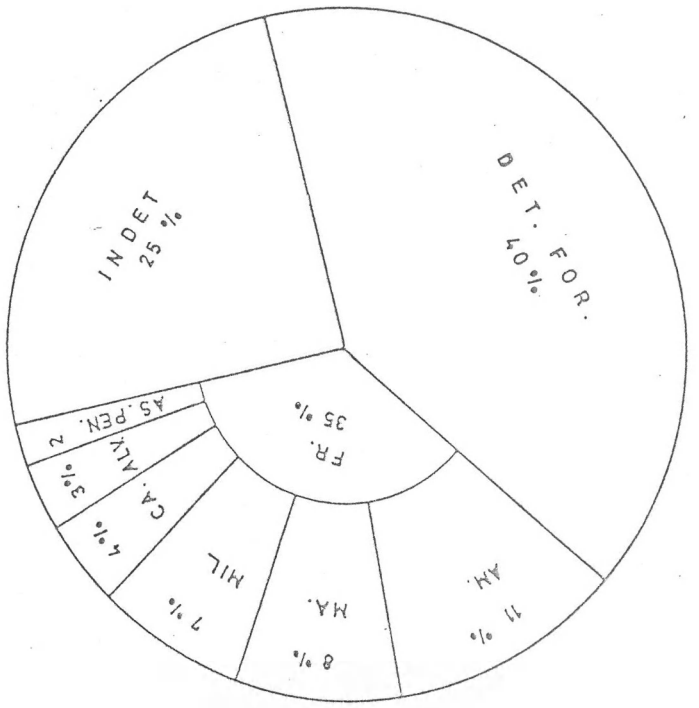
- 21 m

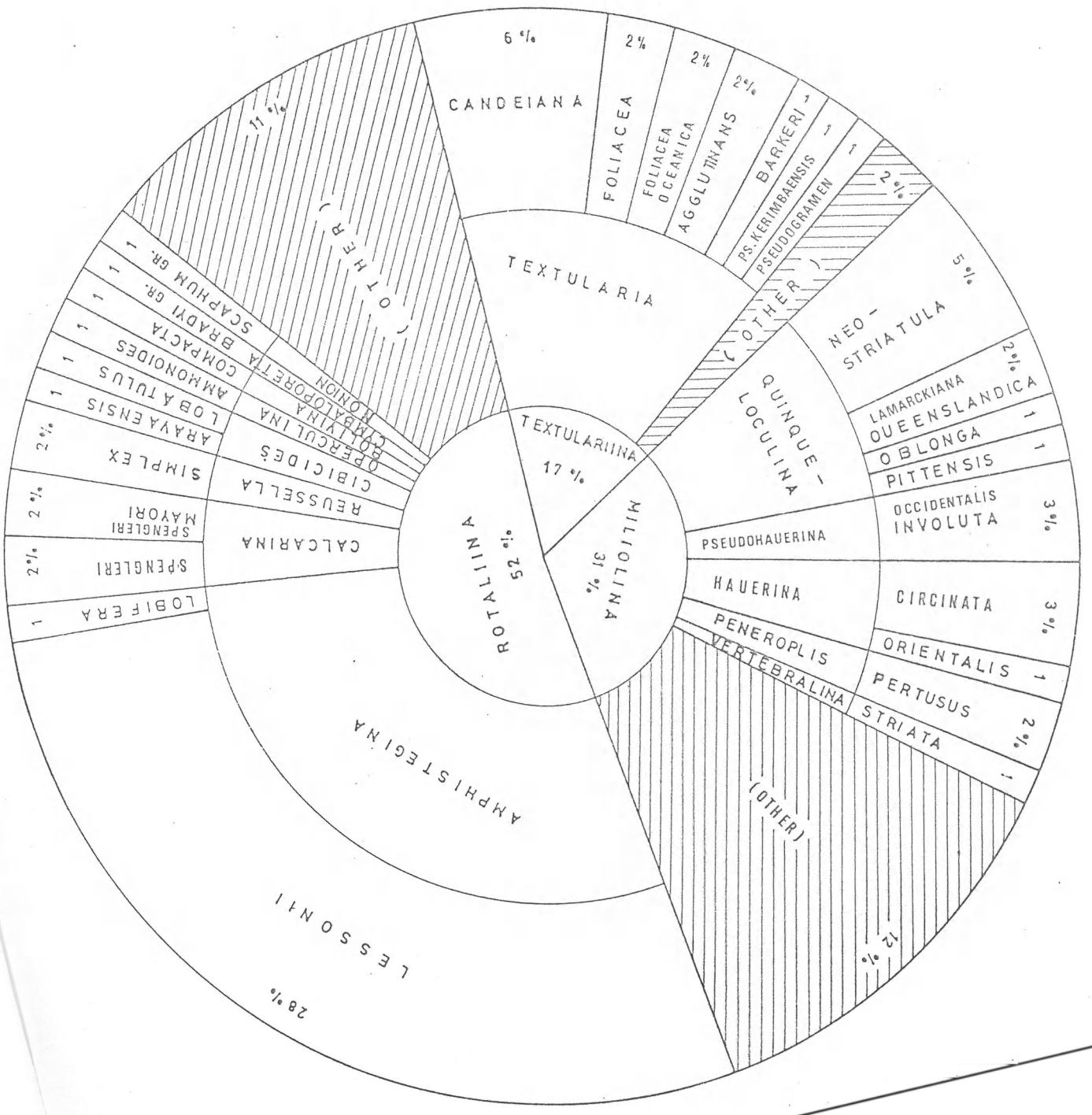
df/g = 1928

fr/g = 1673

indet/g = 1245

T/g = 4846





L 63

PERIREEFAL AREA (NE)

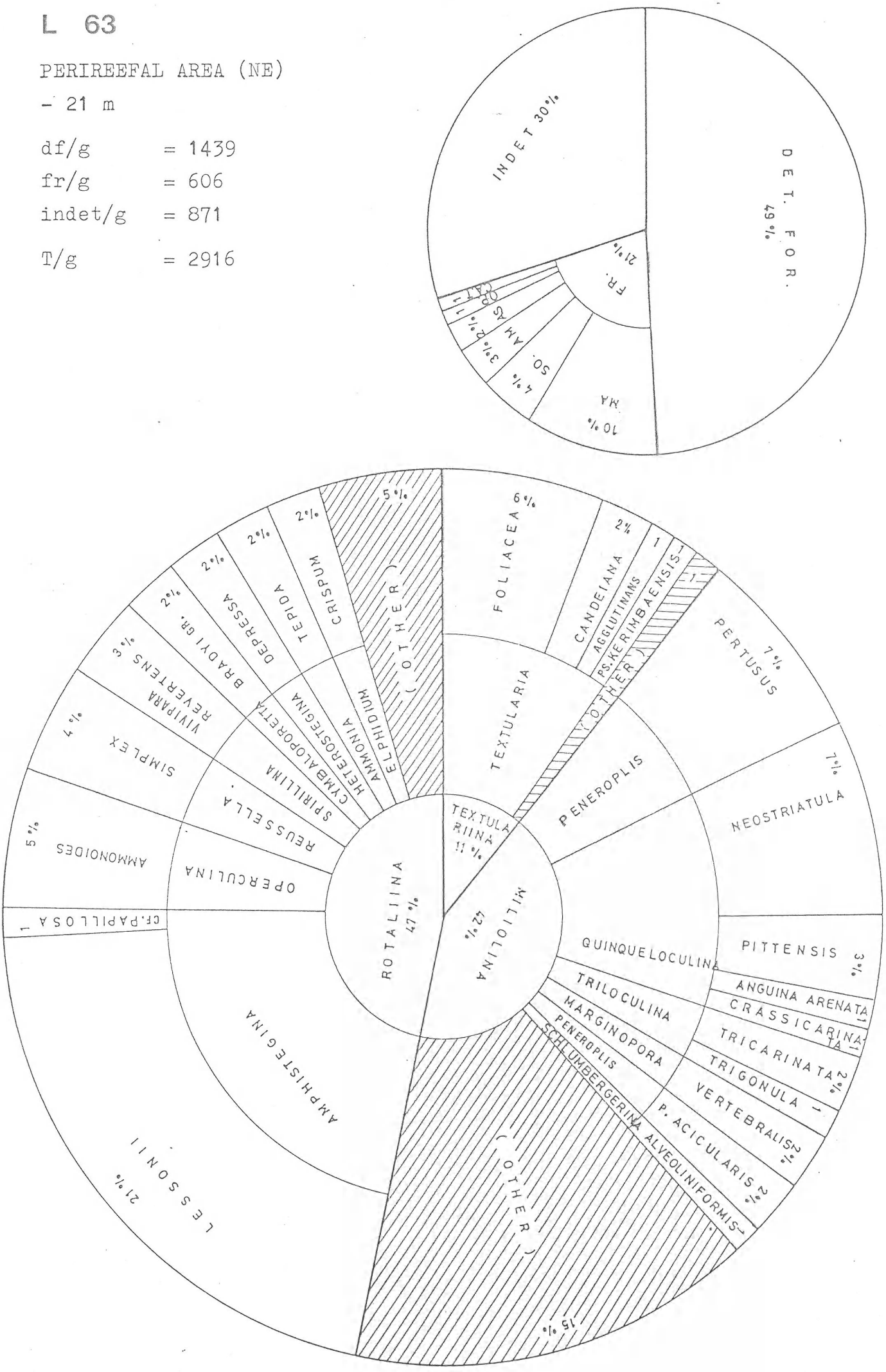
- 21 m

df/g = 1439

fr/g = 606

indet/g = 871

T/g = 2916



L 65

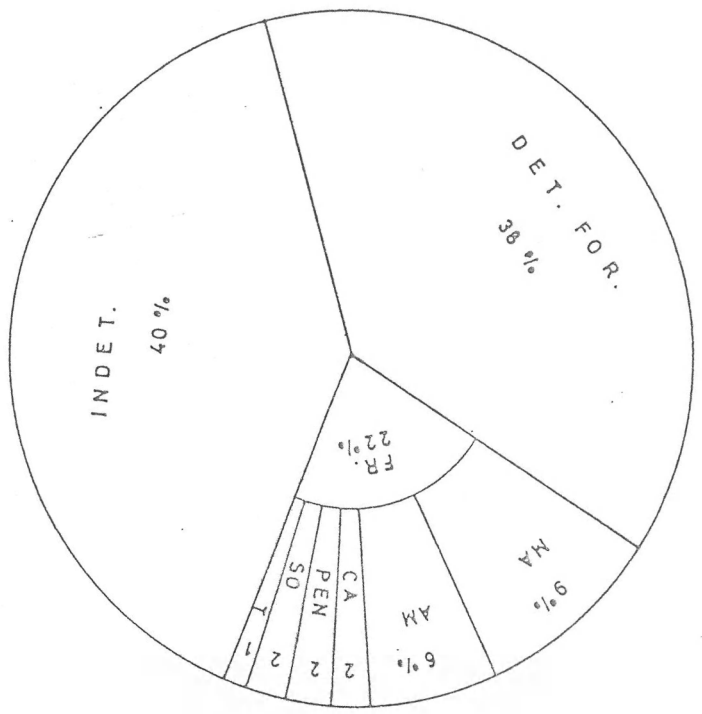
PERIREEFAL AREA (E)
- 32 m

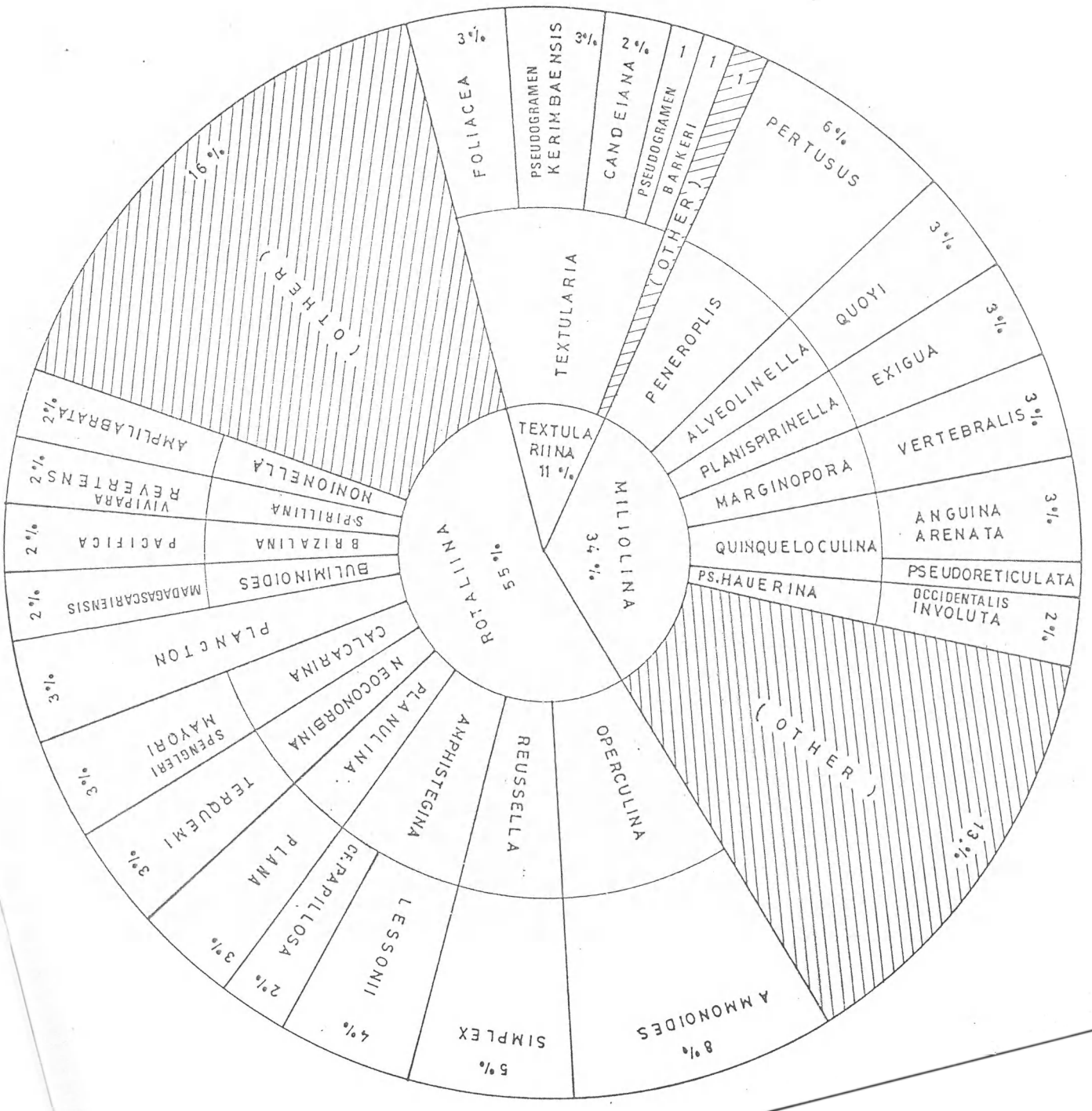
df/g = 1149

fr/g = 665

indet/g = 1239

T/g = 3053





L 67

PERIREEFAL AREA (E)

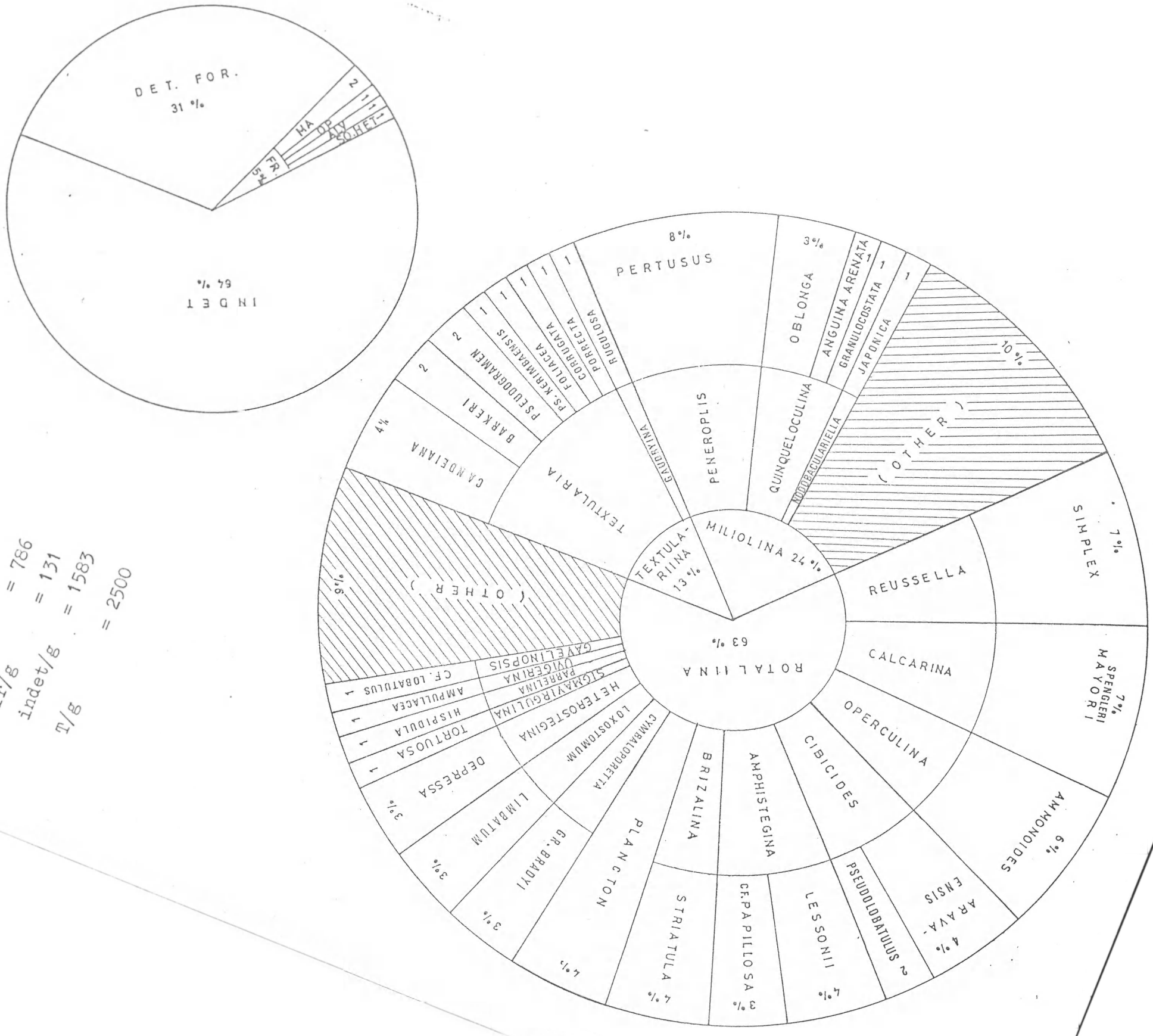
- 31 m

df/g = 786

fr/g = 131

indet/g = 1583

T/g = 2500



L 71

PERIREEFAL AREA (SE)

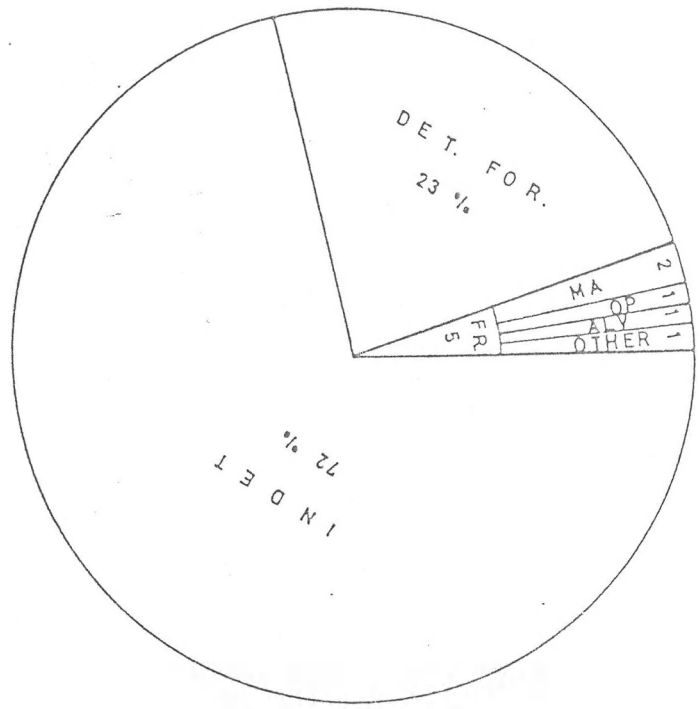
- 31 m

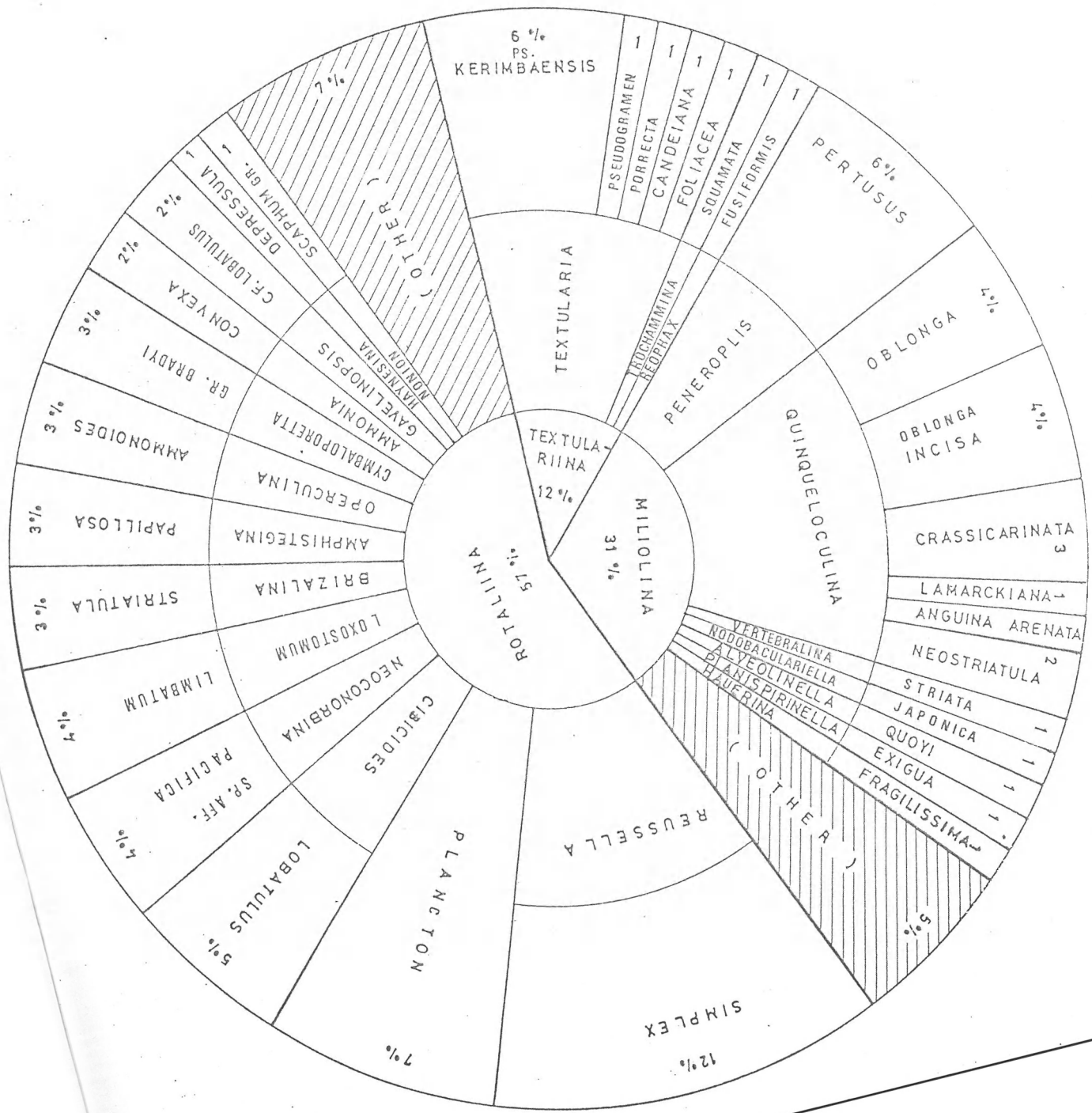
df/g = 440

fr/g = 102

indet/g = 1338

T/g = 1880

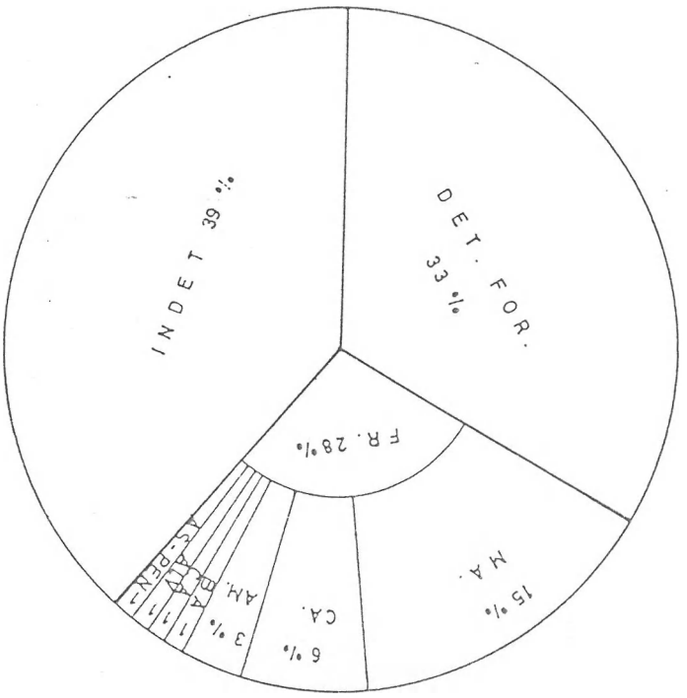


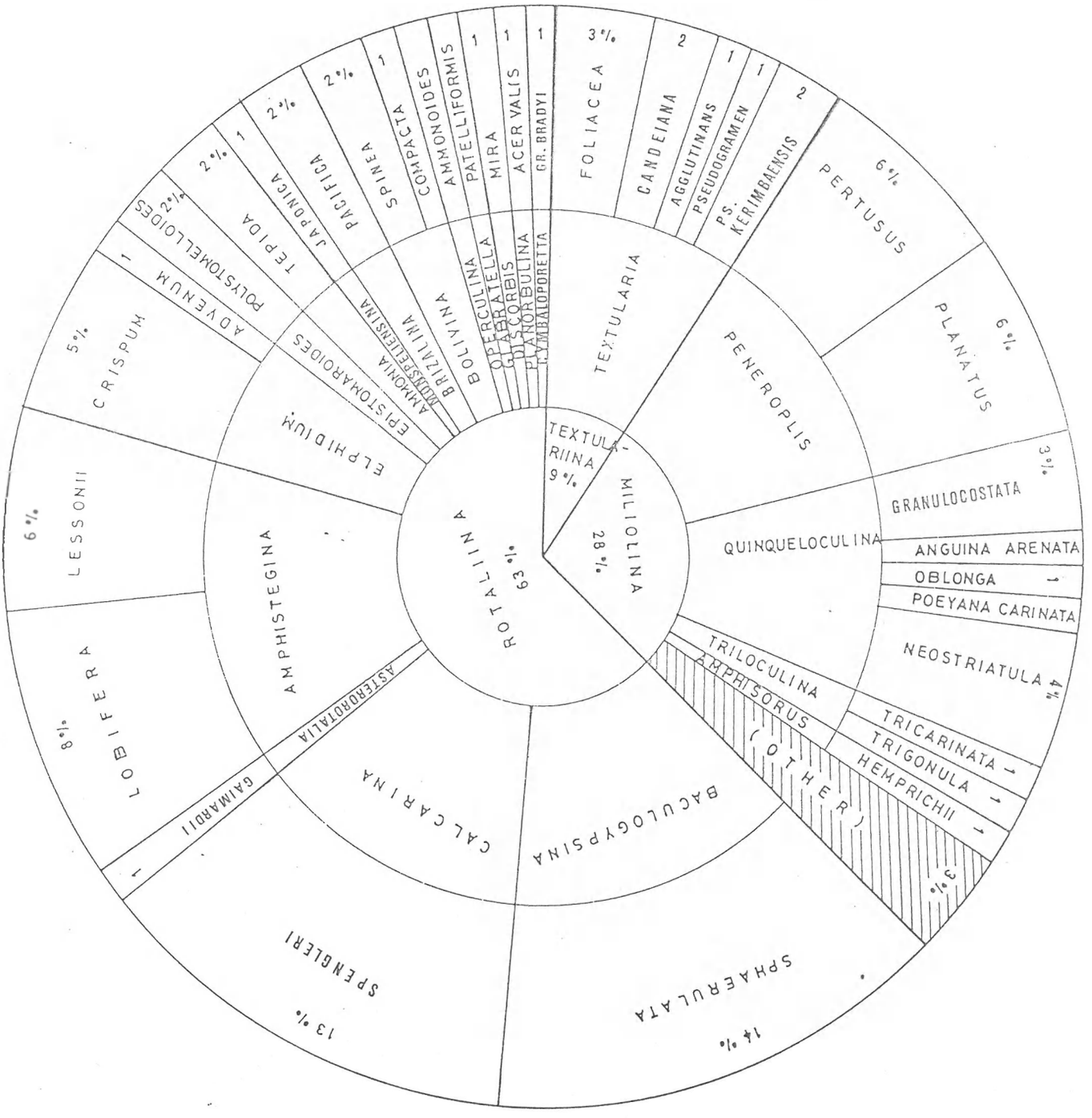


L 72

PERIREEFAL AREA (SE)
- 12 m (Terrace)

df/g = 482
fr/g = 417
indet/g = 567
T/g = 1475





L 75

PERIREEFAL AREA (SE)

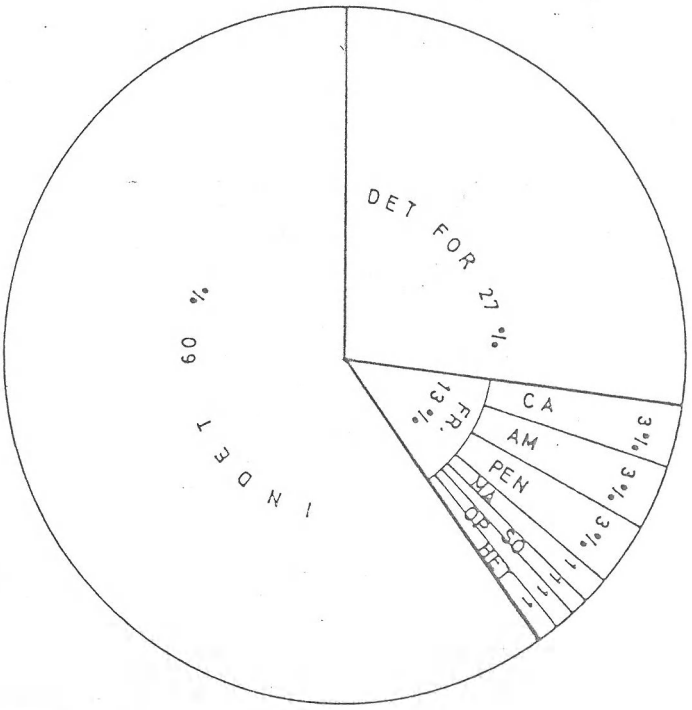
- 27 m

df/g = 51

fr/g = 24

indet/g = 117

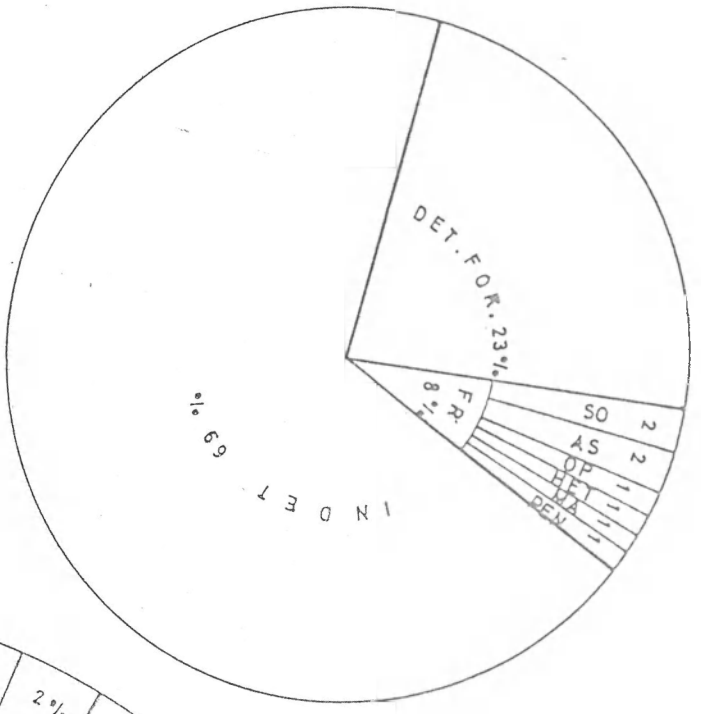
T/g = 192

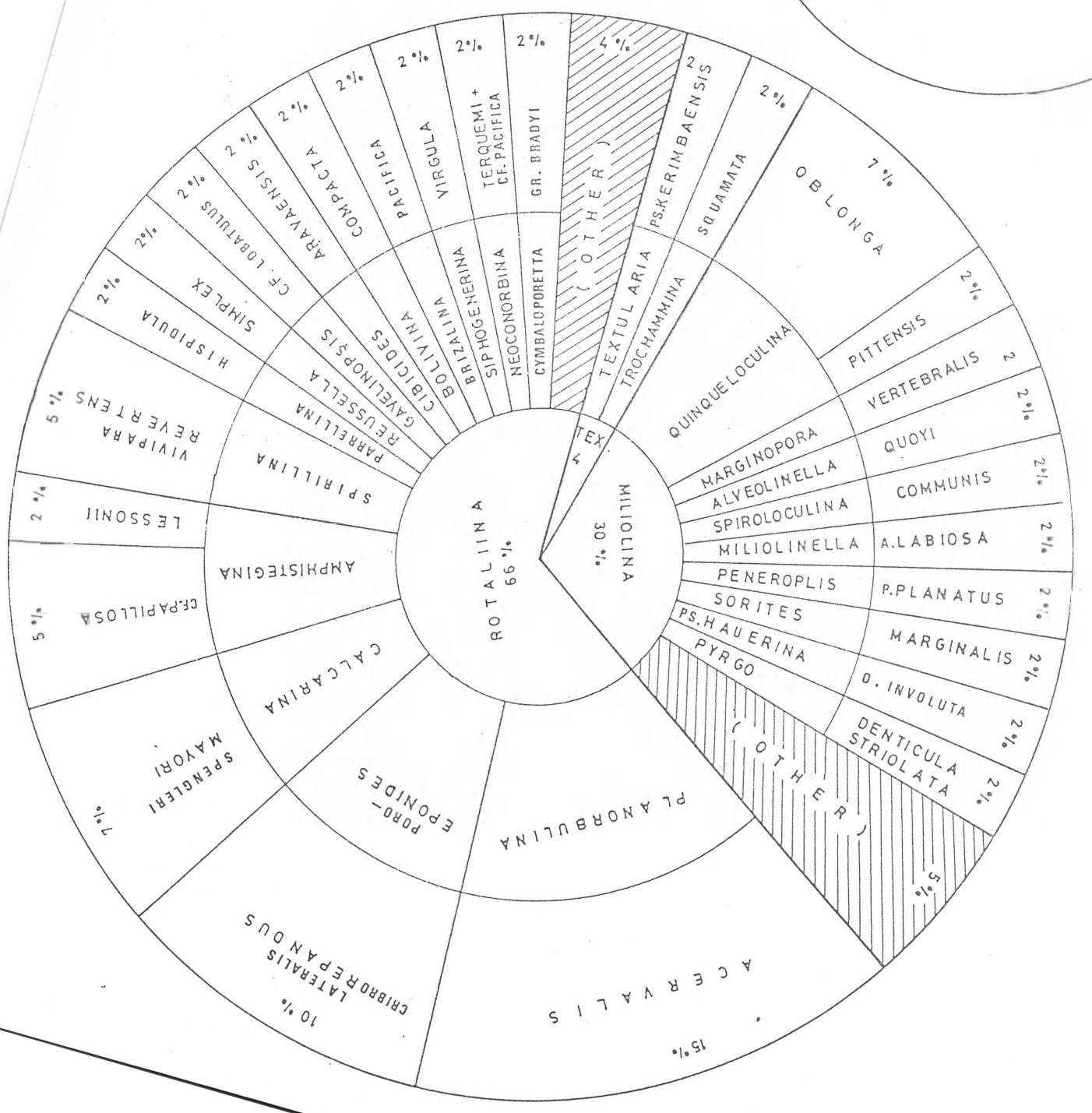


L 77

PERIREEFAL AREA (SE)
- 22 m

df/g = 43
fr/g = 14
indet/g = 127
T/g = 184





L 81

PERIREEFAL AREA (SE)

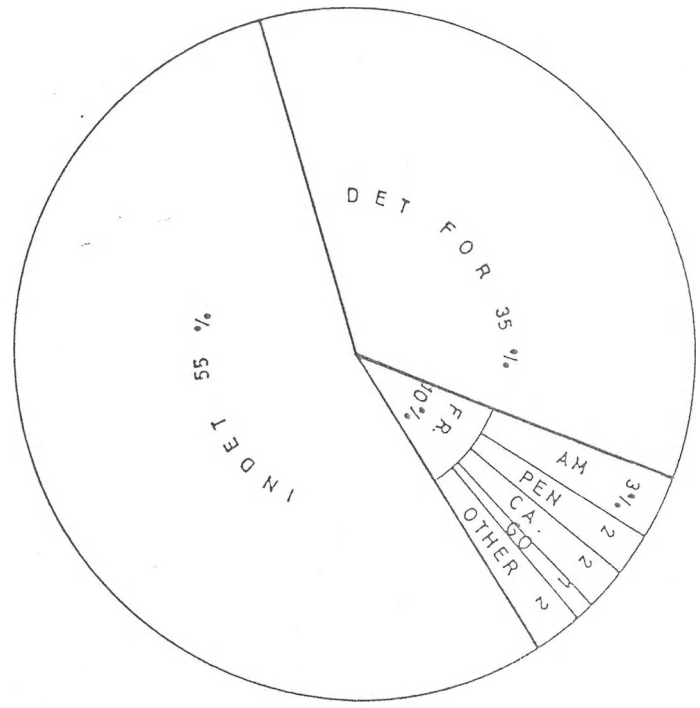
- 30 m

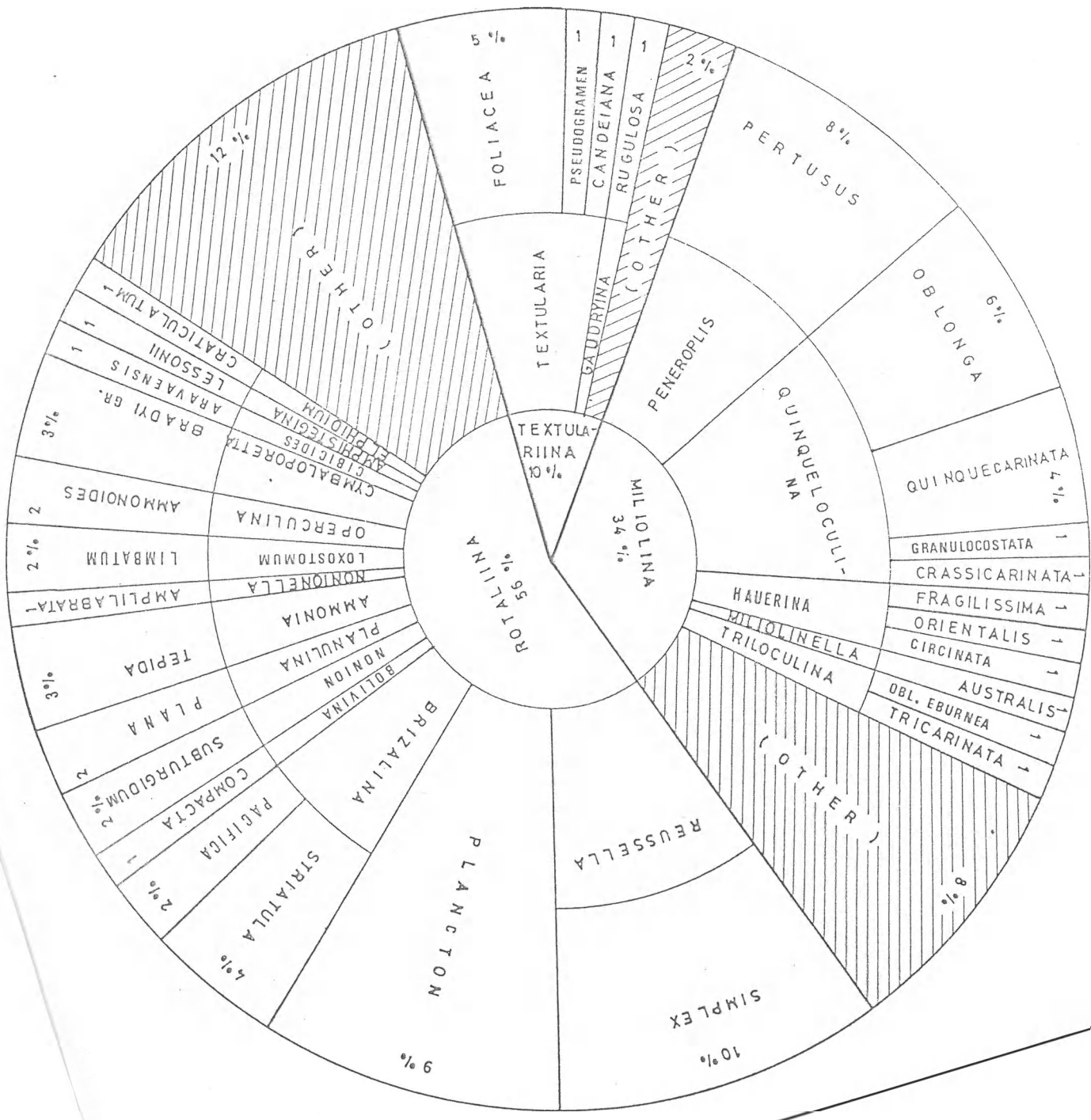
df/g = 2564

fr/g = 763

indet/g = 3957

T/g = 7284





L 82

PERIREEFAL AREA (SE)

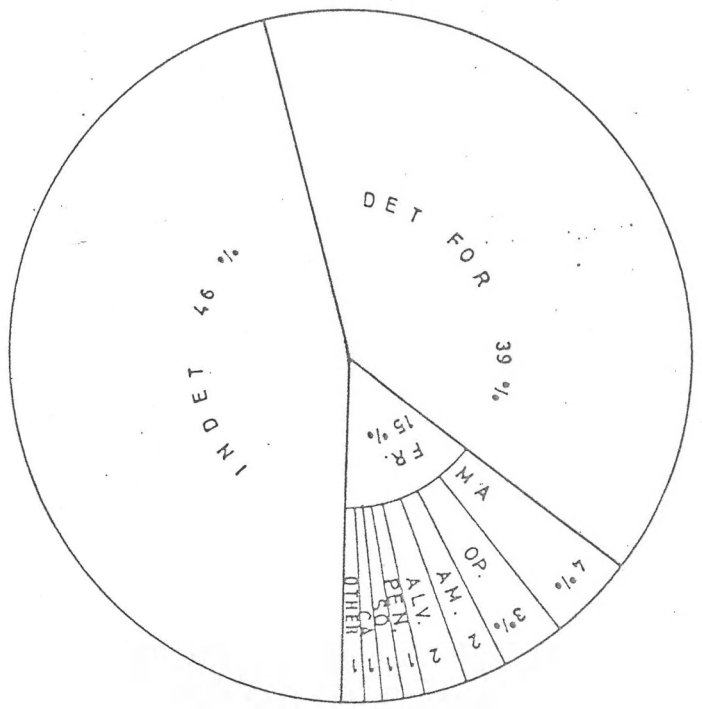
- 26 m

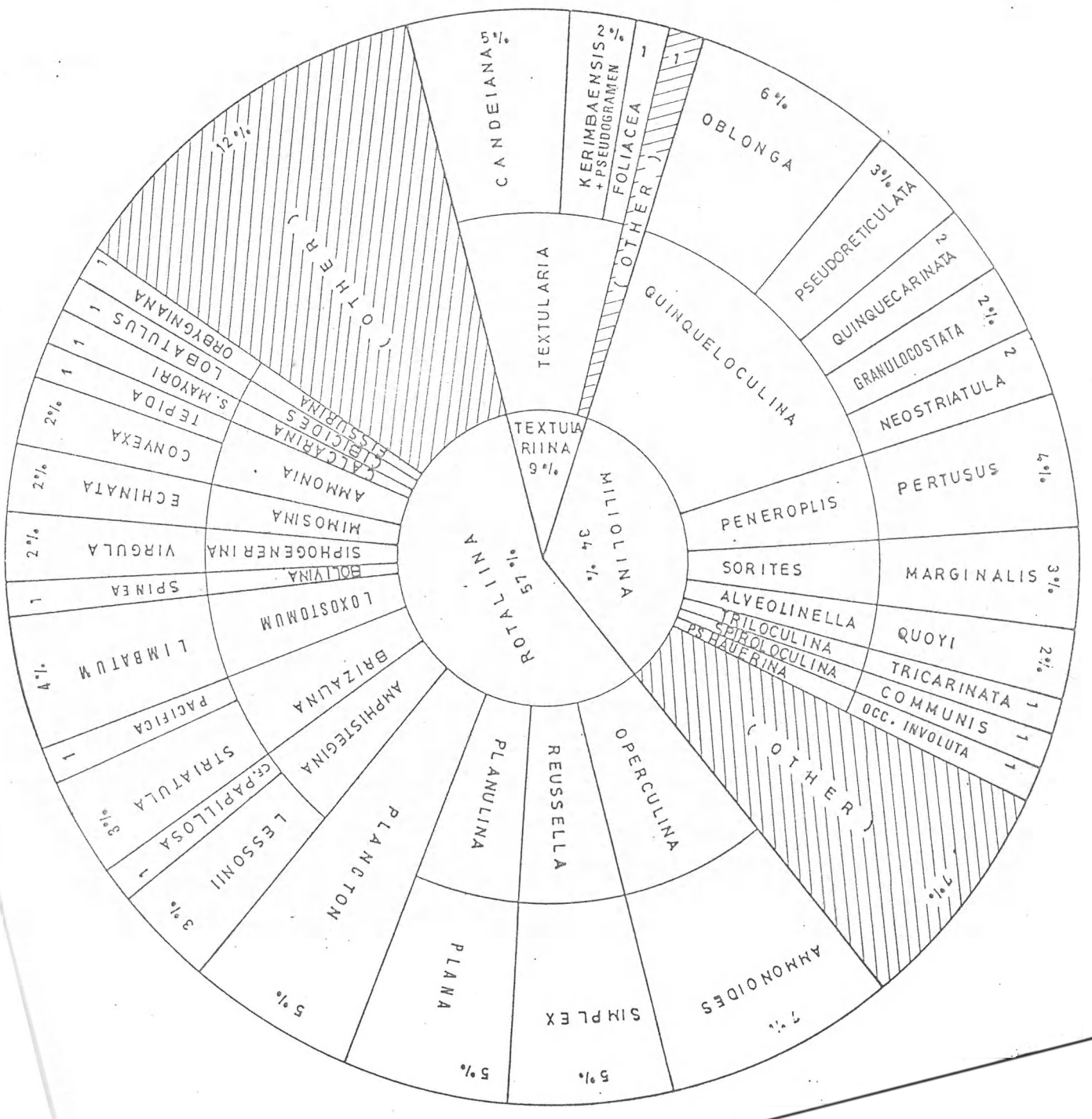
df/g = 4005

fr/g = 1542

indet/g = 4764

T/g = 10311





L 84

PERIREEFAL AREA (SE)

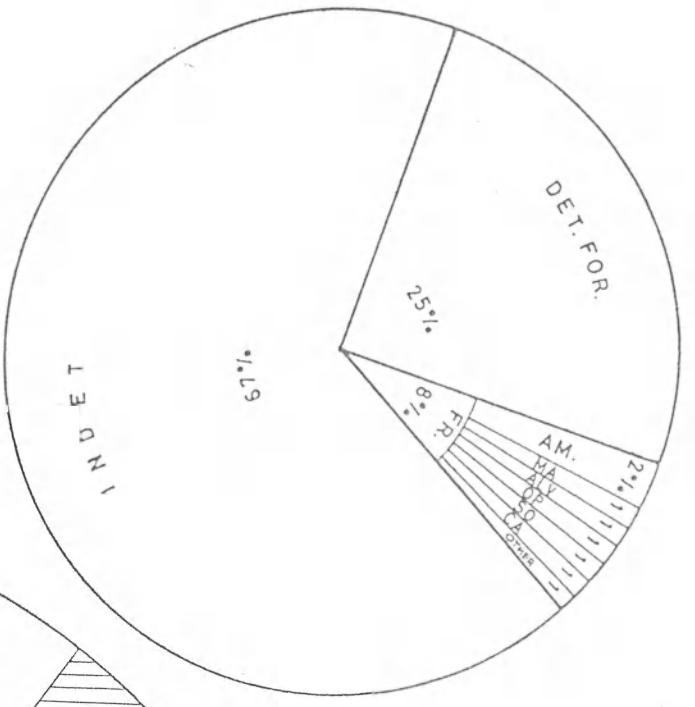
- 31 m

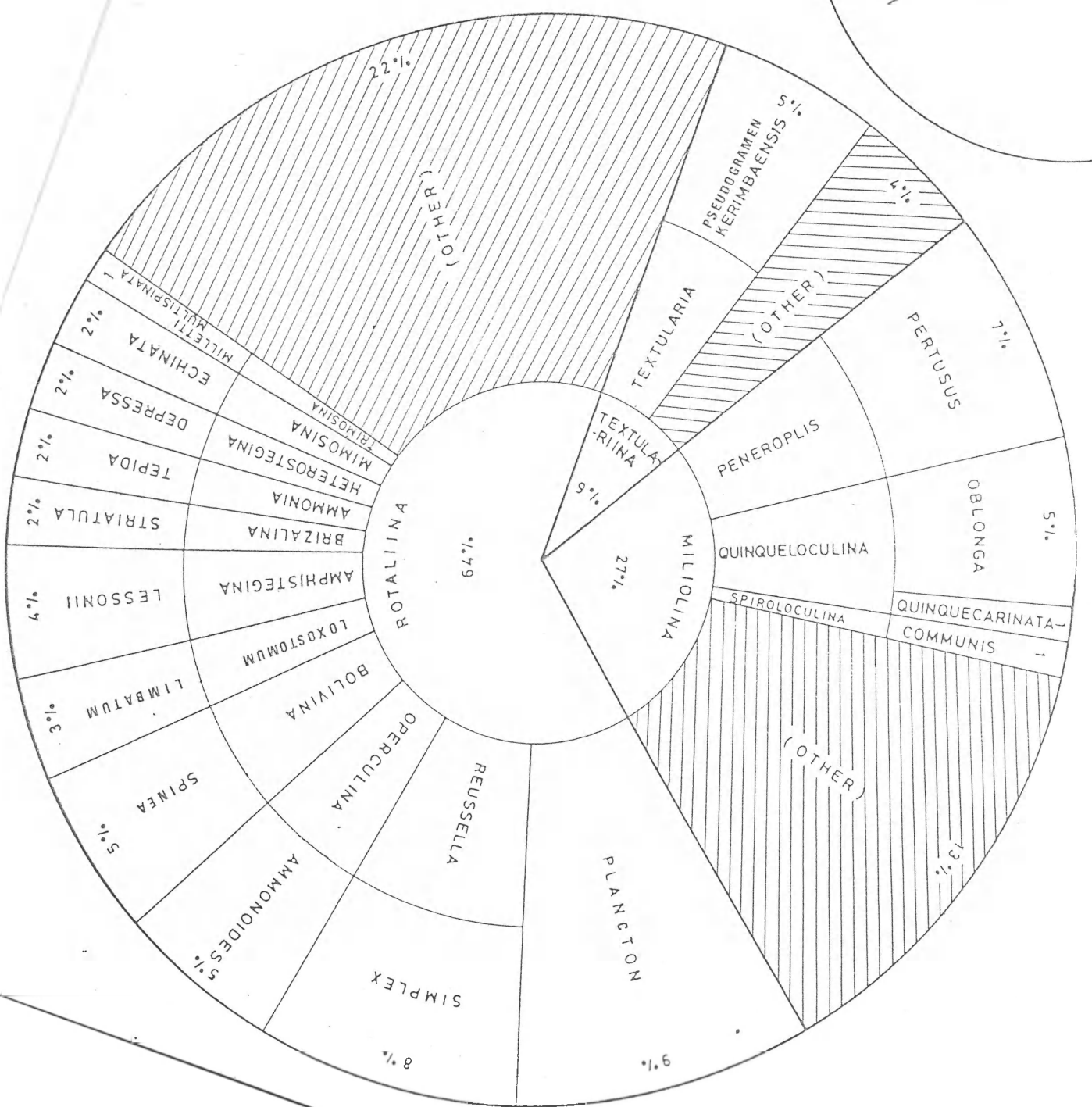
df/g = 1783

fr/g = 580

indet/g = 4815

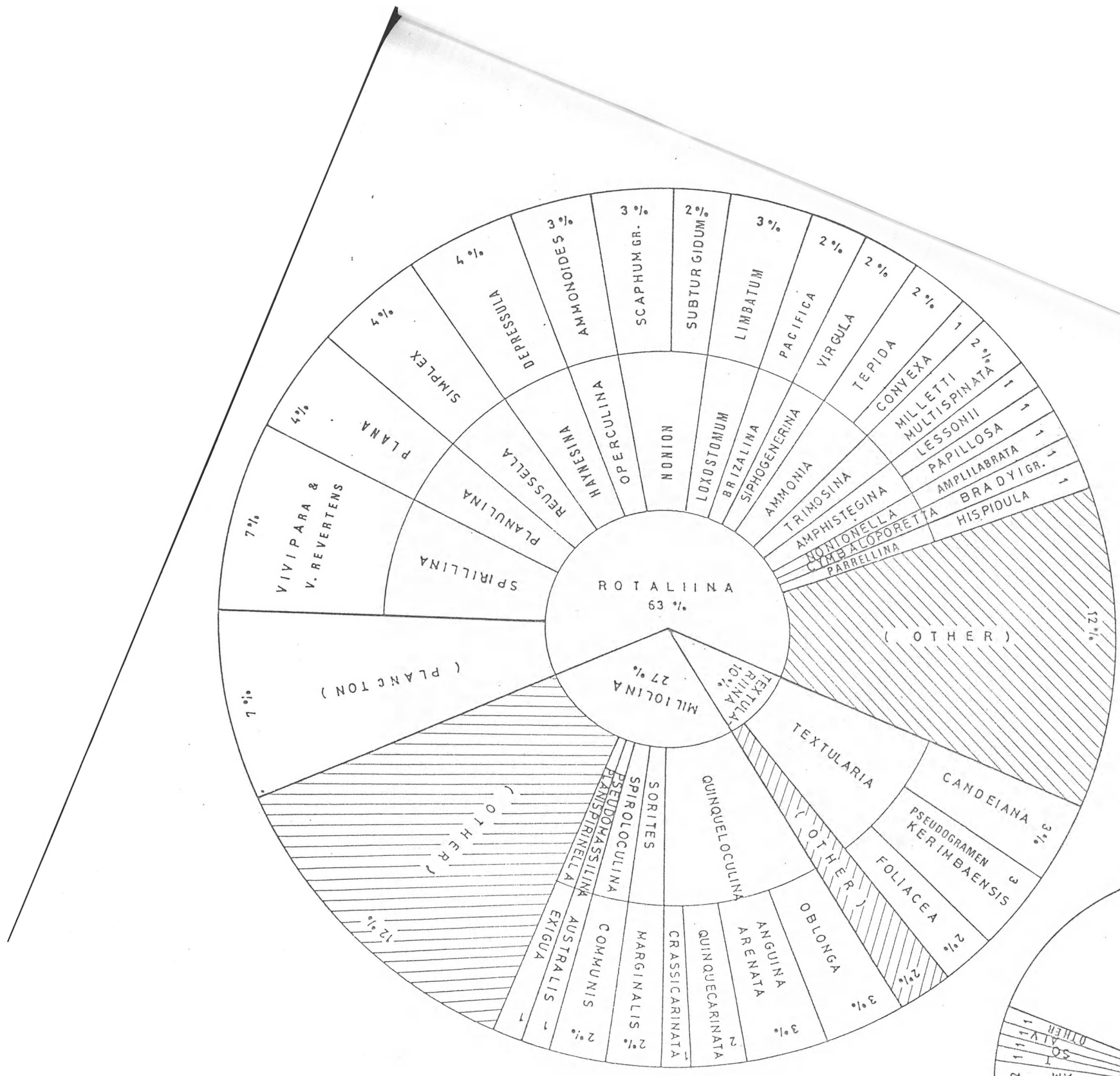
T/g = 7178

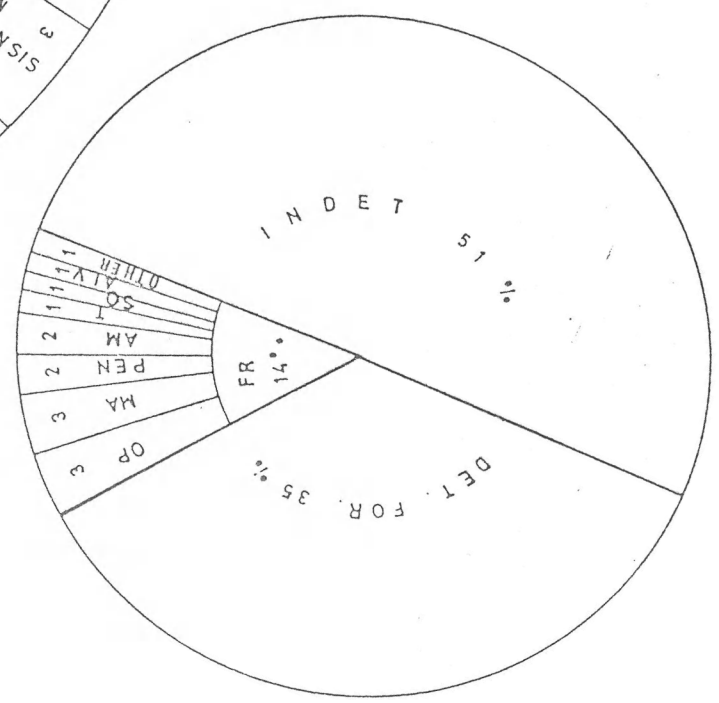




PERIFERAL AREA (SE)
- 26 m

dr/g = 7315
fr/g = 2930
Index/g = 10696
t/g = 20941





L 90

PERIREEFAL AREA (S)

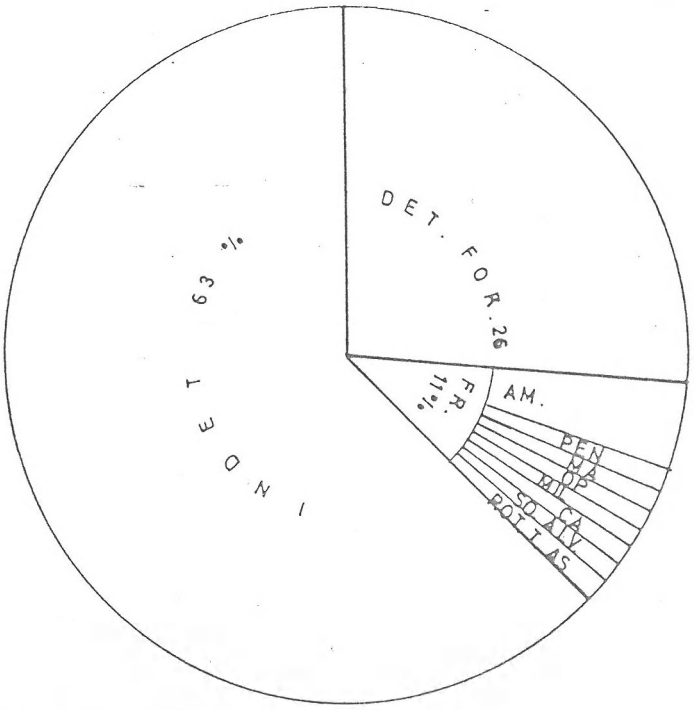
- 29 m

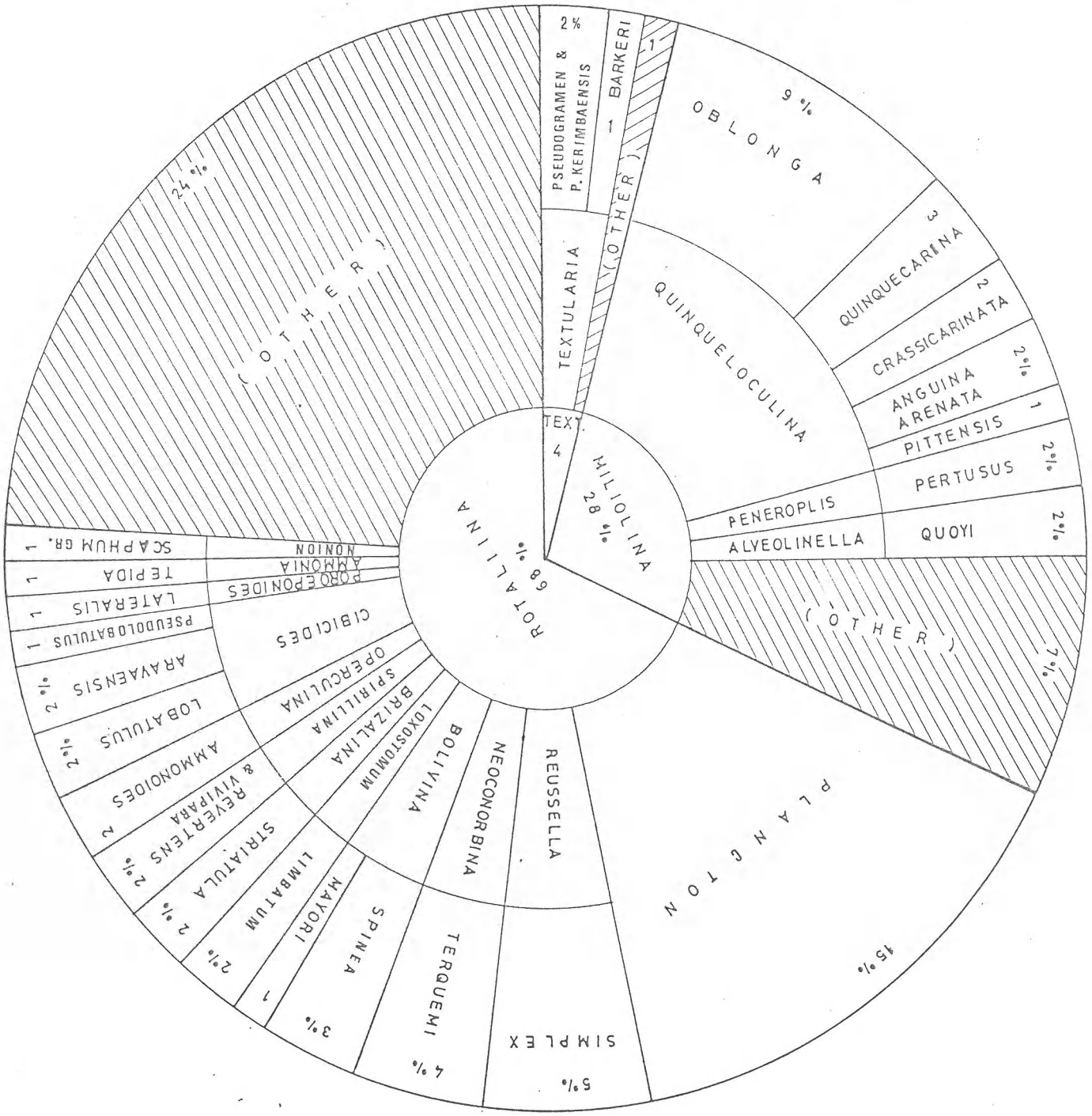
df/g = 1060

fr/g = 454

indet/g = 2574

T/g = 4088





L 91

PERIREEFAL AREA (S)

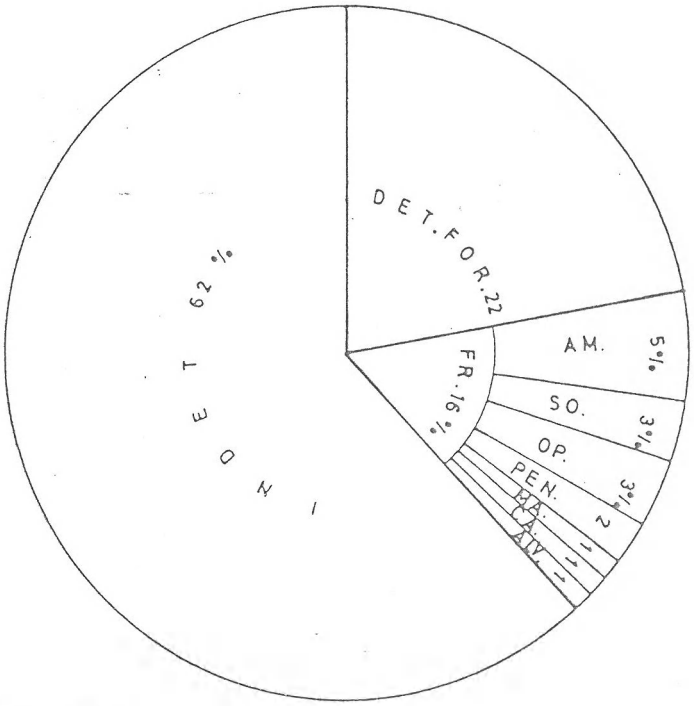
- 27 m

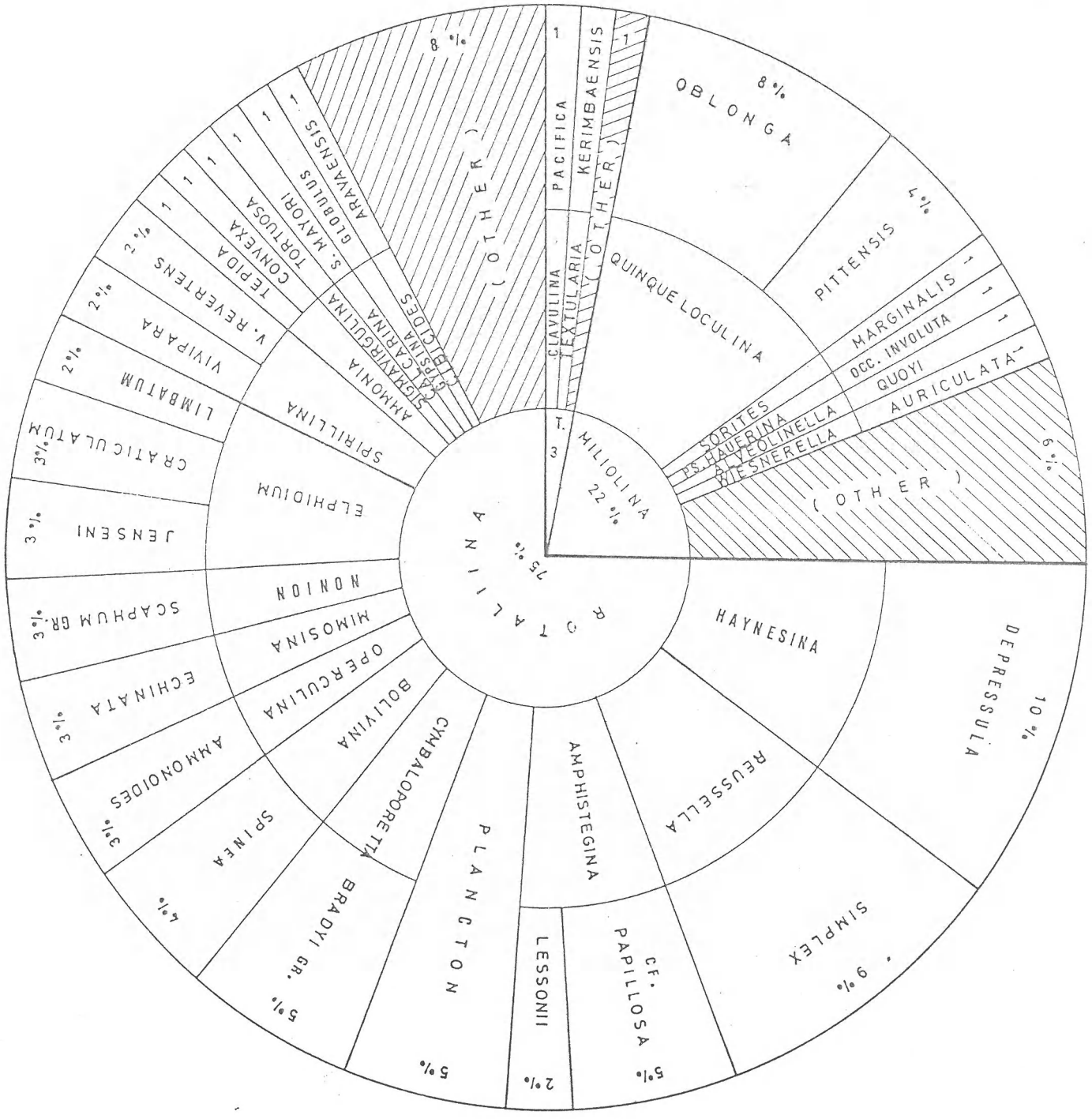
df/g = 2500

fr/g = 1801

indet/g = 6915

T/g = 11216





L 94

PERIREEFAL AREA (SW)

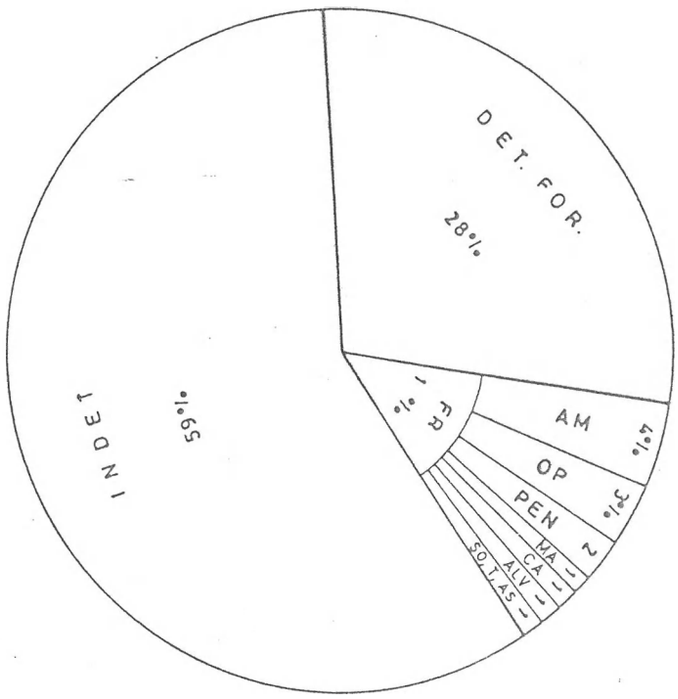
- 25 m

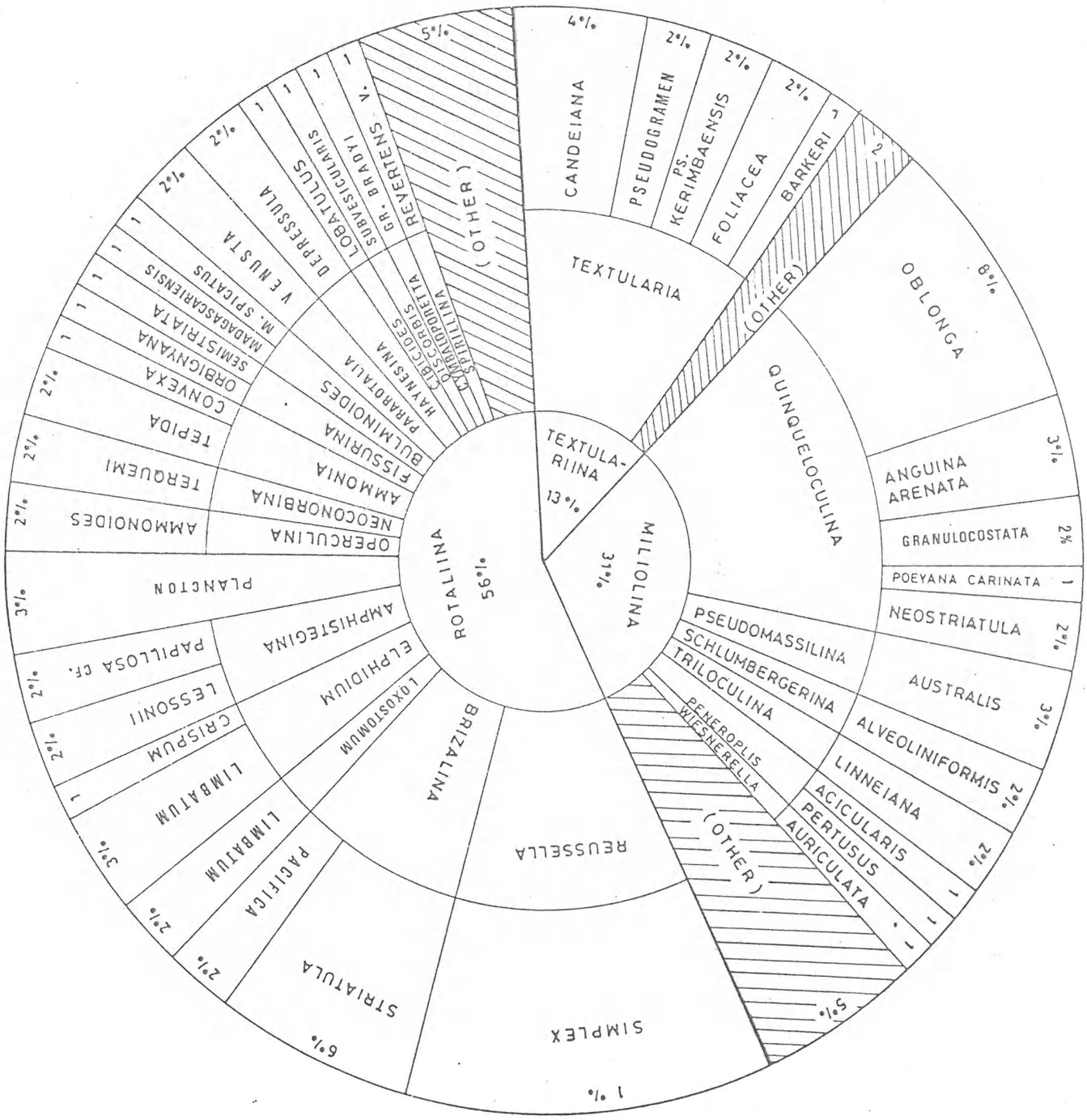
df/g = 2951

fr/g = 1310

indet/g = 6144

T/g = 10405





L 98

PERIREEFAL AREA (W)

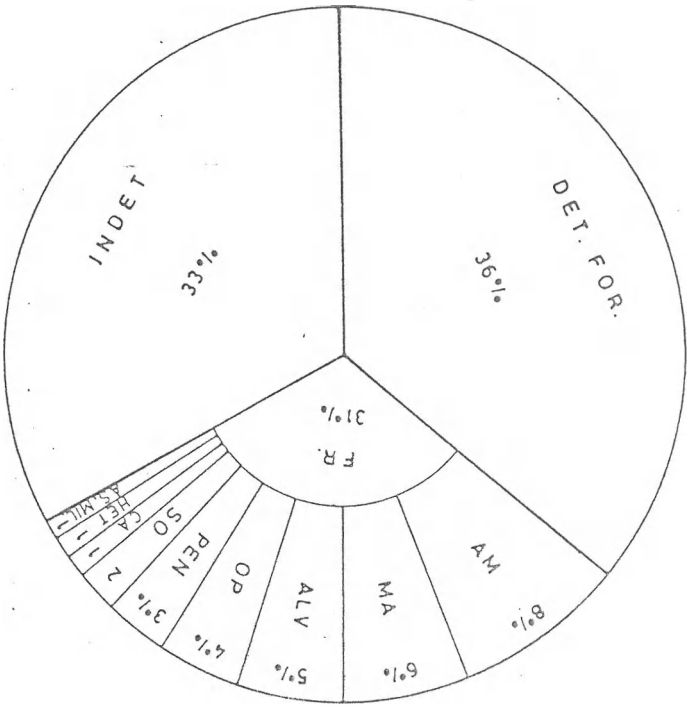
- 25 m

df/g = 323

fr/g = 281

indet/g = 297

T/g = 901



L 106

PERIREEFAL AREA (NW)

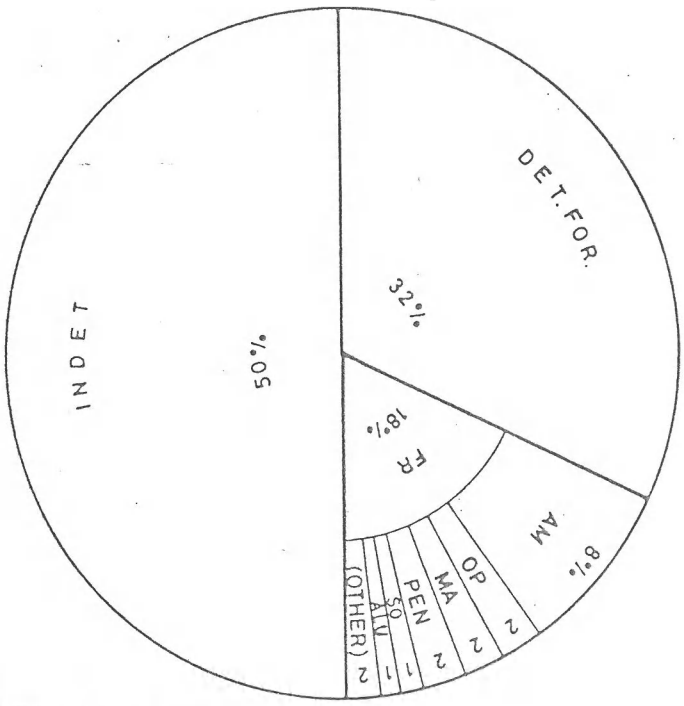
- 18 m

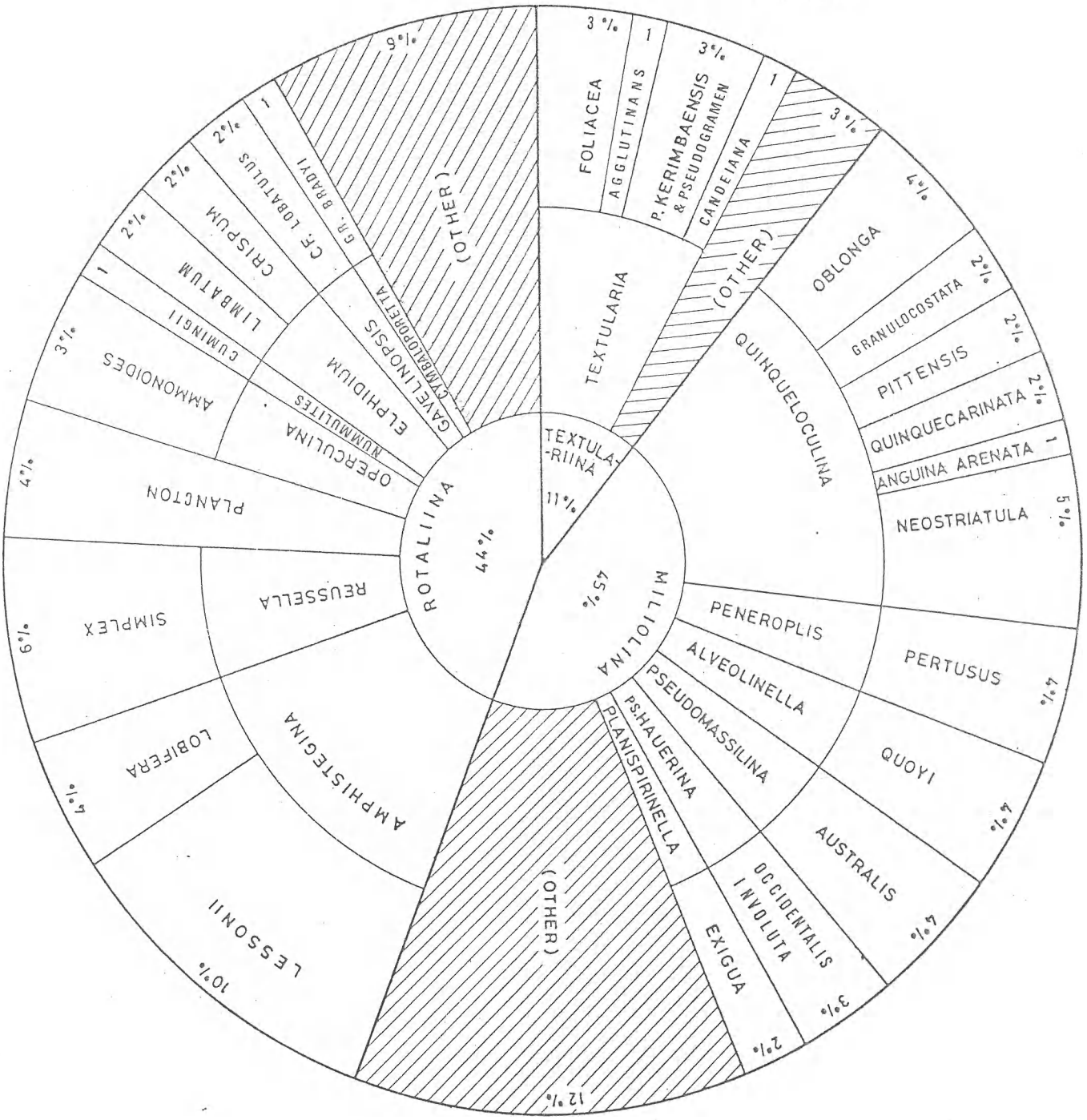
df/g = 1560

fr/g = 855

indet/g = 2464

T/g = 4879





L 108

PERIREEFAL AREA (NW)

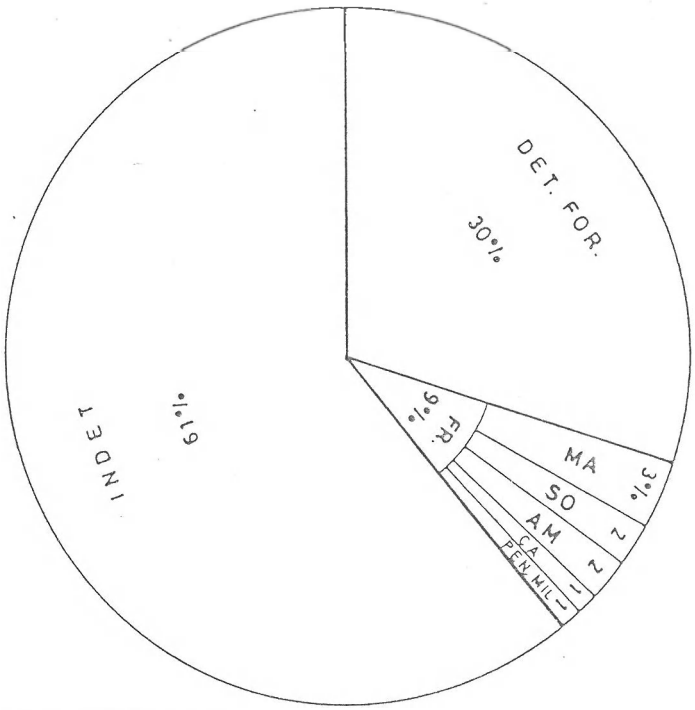
- 11 m

df/g = 972

fr/g = 278

indet/g = 1983

T/g = 3233



L 109

PERIREEFAL AREA (NW)

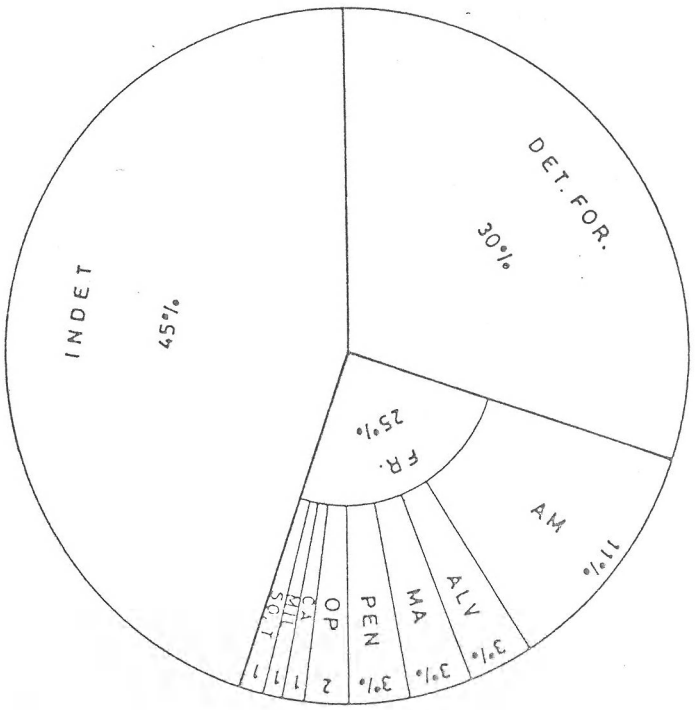
- 21 m

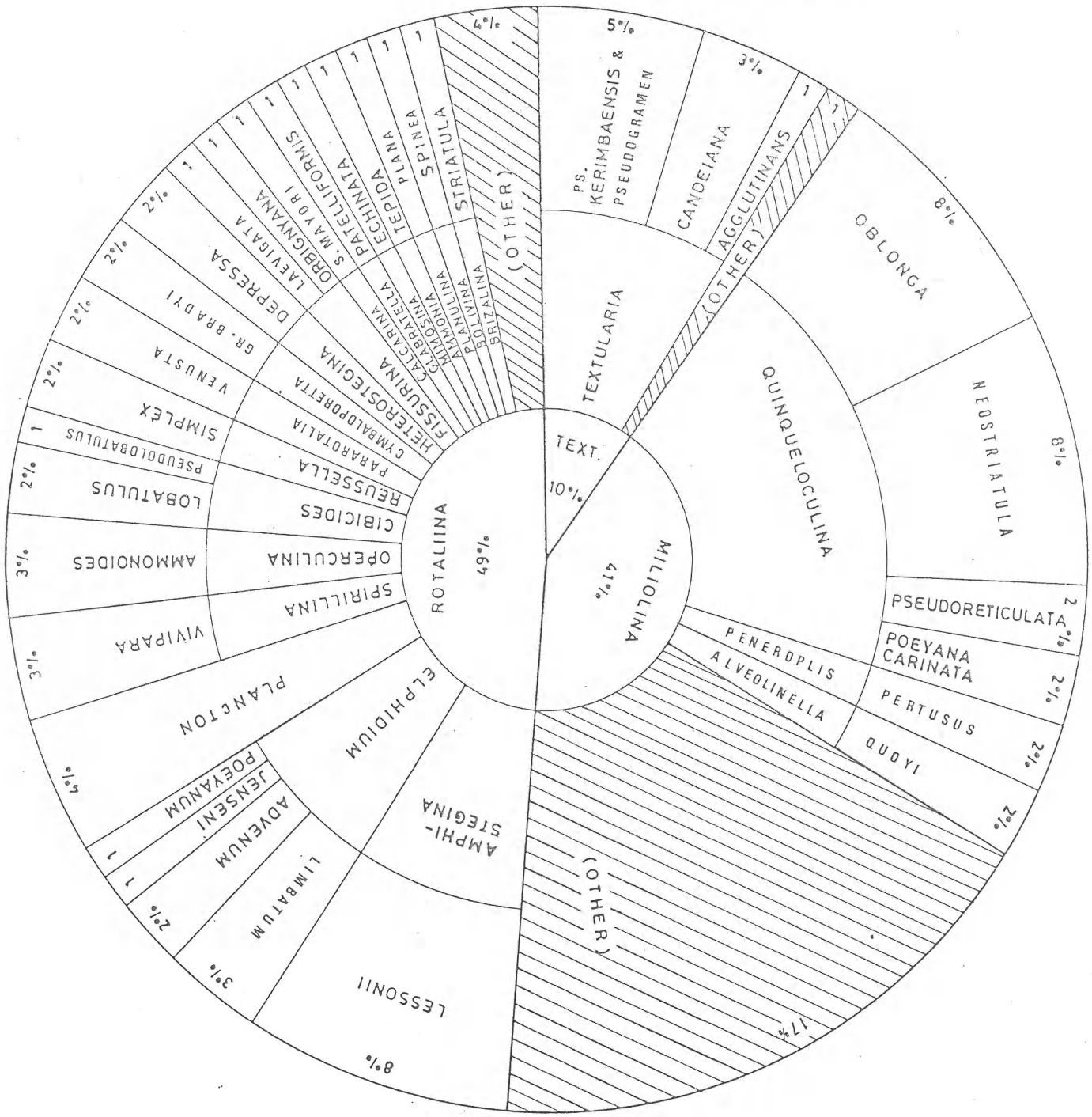
df/g = 2779

fr/g = 2296

indet/g = 4169

T/g = 9244





L 110

PERIREEFAL AREA (NW)

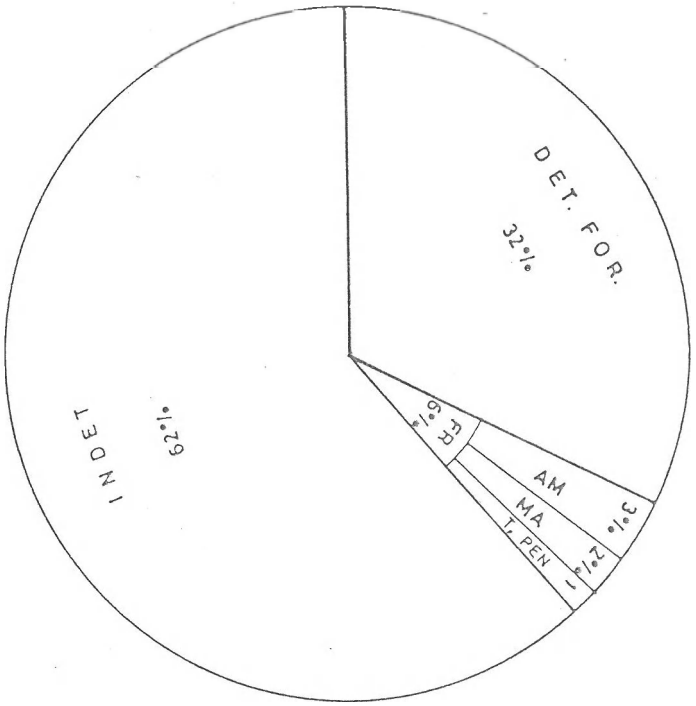
- 15 m

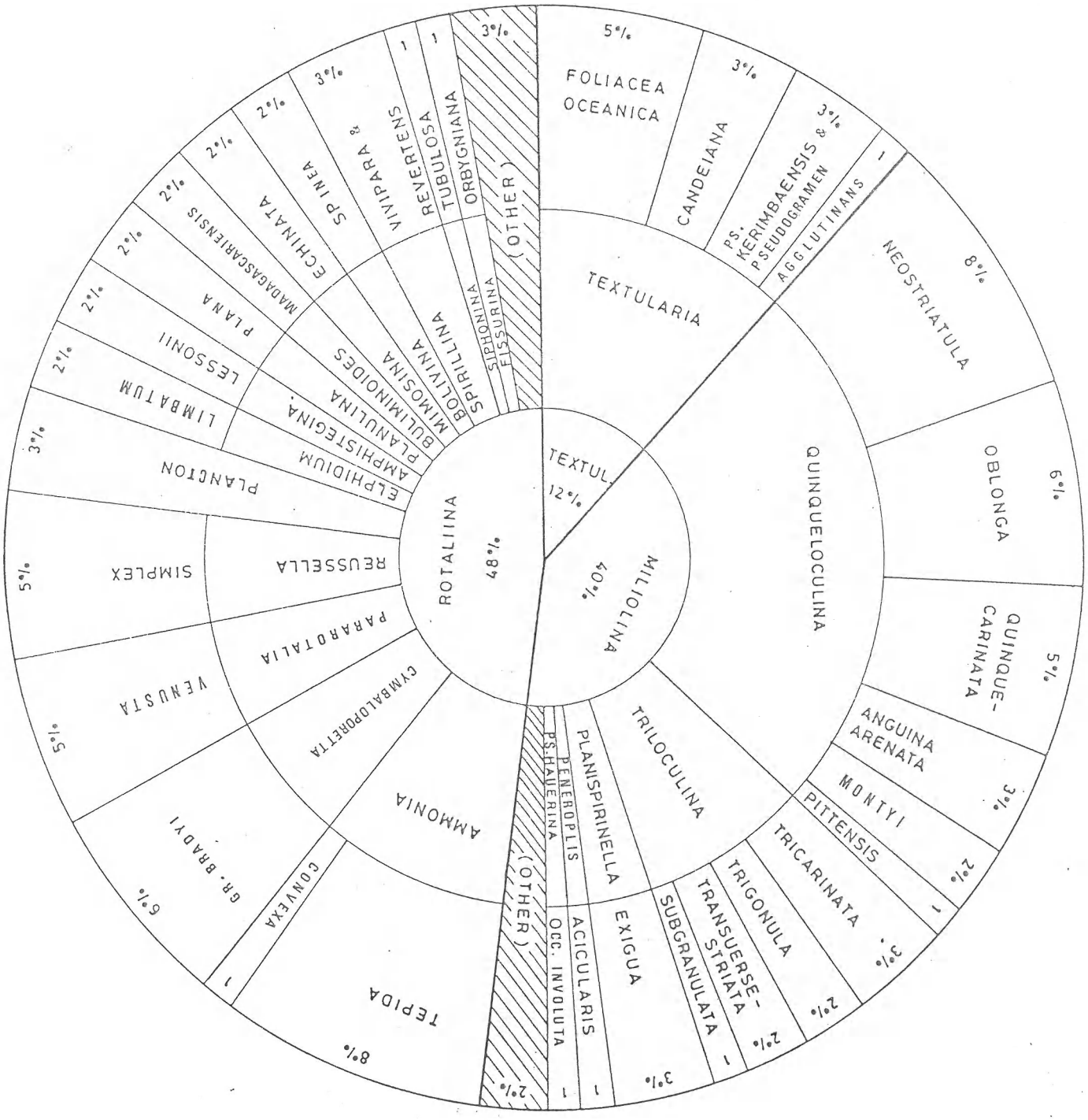
df/g = 422

fr/g = 77

indet/g = 813

T/g = 1312





L 292

PERIREEFAL AREA (NW)

- 12 m

df/g = 331
fr/g = 253
indet/g = 436

T/g = 1020