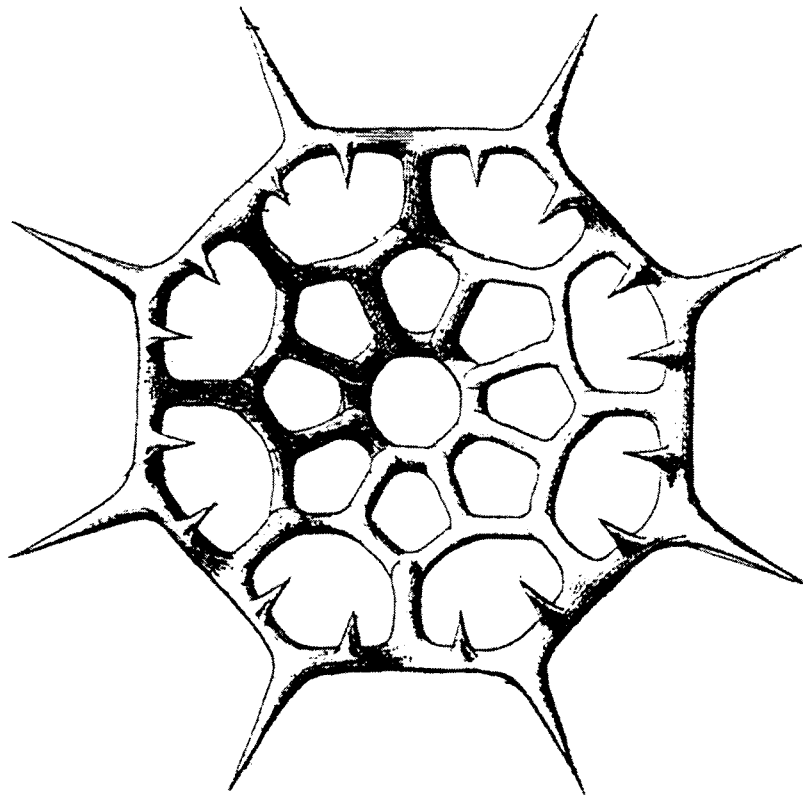


INA

NEWSLETTER



SILICOFLAGELLATE SPECIAL ISSUE

INTERNATIONAL NANNOPLANKTON ASSOCIATION

5th INA Conference
Salamanca - Spain - Summer 1993

First Circular

The next General INA Conference will be celebrated in Salamanca. Exact dates have not been decided yet (see questionnaire), but the most likely time is the 1st week of September. Four days for Scientific sessions and workshops are planned.

Scientific sessions will be held in the University of Salamanca, probably in the Historic building. Workshops and microscope rooms will be available in the Department of Geology, Faculty of Sciences, close to the Old building.

Abstracts will appear as a special issue of the INA newsletter. Proceedings will be published as a special volume of *Revista Española de Micropaleontología* or *Revista Española de Paleontología*.

Two excursions are planned: a pre-conference excursion to the Neogene of the Guadalquivir Basin (Andalusia, 4 days, likely price about 15,000ptas, \$US150); and a post-conference excursion to the K/T boundary and Upper Cretaceous series in the North of Spain and South of France. (2 days, likely price about , 30-35,000ptas, \$US300-350).

At the moment workshops on Neogene and Jurassic nannofossils, the K/T boundary and Living coccolithophores are definitely planned. Possible additional topics include "Development of nannofossil databases" and "Cretaceous nannofossils", further suggestions are welcome.

Salamanca is about 2 hours from Madrid by train or car. Accommodation will be organised by a travel agency. It is also possible to reserve some rooms in student hostels. More details will appear in the 2nd Circular

To assure receiving the 2nd Circular, please complete the questionnaire overleaf and return it to the Conference Convenor: (N.B. The information on this sheet is reprinted in INA Newsletter 14/1)

José-Abel FLORES
Departamento de Geología.
Facultad de Ciencias. Universidad.
37008 Salamanca -Spain

Phone 34-23-294497
Fax 34-23-294514

5th INA CONFERENCE - SALAMANCA, SPAIN - SUMMER 1993
QUESTIONNAIRE

Forename _____

Surname _____

Title _____

Mailing Address _____

Telephone _____

Fax _____

(please circle the right answer)

I plan to attend to the Conference	yes	maybe	
I plan to give an oral presentation	yes	maybe	no
I plan to give a poster	yes	maybe	no
I plan to go on the Neogene excursion	yes	maybe	no
I plan to go on the K/T bdy excursion	yes	maybe	no

I am most interested in workshops on _____ & _____

I am interested in places in a student hostel.

Suggestions (including please any comments on the proposed date):

RETURN TO:

José-Abel FLORES
Departamento de Geología.
Facultad de Ciencias. Universidad.
37008 Salamanca -Spain

Phone 34-23-294497
Fax 34-23-294514

THE INTERNATIONAL NANNOPLANKTON ASSOCIATION

PRESIDENT

Katharina von Salis Perch-Nielsen
Geologisches Institut ETH-Z
CH-8092 Zürich
Switzerland
Tel. 41-(0)1-256-3695

SECRETARY

Kevin Cooper
Stratigraphic Services Int.
Surrey Research Park
Guildford GU2 5YL, UK
Fax 44-(0)483-31106

TREASURER

Nicky Hine
British Geological Survey
Keyworth
Nottingham NG12 5GG, UK
Fax 44-(0)602-363200

US TREASURER

Stephan A. Root
Mobil EPSI
P.O. Box 650232
Dallas
Texas 75265-0232, USA

NOMENCLATURAL SECRETARY

Shirley E. van Heck
c/o NAM, XGS/3
Schepersmaat 2
9405 TA Assen
The Netherlands

NEWSLETTER EDITOR

Jeremy R. Young
Palaeontology Dept.
The Natural History Museum
London SW7 5BD, UK
Tel. 44-(0)71-938-8996
Fax. 44-(0)71-938-9277

DEPUTY EDITOR

Paul R. Bown
Micropalaeontology Unit
University College London
London WC1E 6BT, UK
Tel. 44-(0)71-387-7050 Ext.2431

BIBLIOGRAPHER

William G. Siesser
Dept. of Geology
Vanderbilt University
Nashville
Tennessee 37235, USA

SILICOFLAGELLATE BIBLIOGRAPHER

Stacia Spaulding
1929 Brighton Place
Harvey
Louisiana 70130, USA

ODP CORRESPONDENT

John Firth
Ocean Drilling Project
Texas A&M University
College Station
Texas 77840, USA

INA MEMBERSHIP: Open to anyone interested, on receipt of subscription. Subscription is £12 (students £6) per annum. Send to Treasurer. Or \$20 (Students \$10), send to US Treasurer. Membership queries and changes of address send to Secretary.

BIBLIOGRAPHIES: Please send reprints of any coccolith, calcisphere or silicoflagellate articles to the relevant bibliographer.

BACK ISSUES: All issues available, from Treasurer. Price per issue: Non-members £12/\$20; Members £6/\$10; Student members £3/\$5. For air mail delivery add £1/\$2 per issue. Full set of back issues £70 (inc. postage).

COPYRIGHT: Any part of the Newsletter may be reproduced for scientific or educational purposes. Wherever appropriate the source and authors should be clearly noted.

NEWSLETTER MATTERS: Send all contributions, suggestions etc. to the editor. *Deadline for next issue 15th October 1992.* For advice to contributors see inside back cover.

ADVERTISING: Advertisements are welcome, at a rate of £40/page, £20/half page etc. Contact editor for queries.

INA NEWSLETTER

Proceedings of the International Nannoplankton Association

Volume 14

Number 2

June 1992

SILICOFLAGELLATE SPECIAL ISSUE

BIBLIOGRAPHY AND TAXA OF SILICOFLAGELLATES III

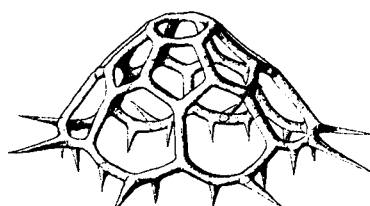
Stacia Spaulding

INTRODUCTION	42
LIST OF CODES USED IN THE BIBLIOGRAPHY	43
INDEX OF CODES IN THE BIBLIOGRAPHY	45
BIBLIOGRAPHY	47
LIST OF TAXA	83
NEW TAXA	89
COMMENTS	90

DATA FROM THE BIBLIOGRAPHY AND TAXA OF SILICOFLAGELLATES I & II

Rene Almekinders 1985,1986

INTRODUCTION	91
SYSTEMATIC REFERENCES	92
LIST OF TAXA	94



BIBLIOGRAPHY AND TAXA OF SILICOFLAGELLATES III

Compiled by: Stacia A. Spaulding

INTRODUCTION

This bibliography is an attempt at a compilation of those references dealing with silicoflagellates that have been published after Loeblich et al.'s 1968 "Annotated index of fossil and recent silicoflagellates". References which are included in "Bibliography and taxa of silicoflagellates I and II" by Rene Almekinders which may be found in volume 7, number 1, (1985) and volume 8, number 1 (1986) of the INA Newsletter are not included here. There is no doubt that some references have been overlooked in this publication. As this is to be an on-going project (in the same way that the calcareous nannofossils are referenced in each INA Newsletter) your help is requested and needed in keeping this bibliography and index as complete as possible. Please keep in mind that I have very limited access to those articles and books published outside the U.S.A. The only way that this bibliography can be brought up to date is with your help.

Kindly send all of your reprints of publications concerning silicoflagellates and/or any references which have been overlooked in this volume to: STACIA A. SPAULDING, 1929 BRIGHTON PLACE, HARVEY, LOUISIANA 70058, USA.

The bibliography and taxa is organised on the pattern of the Bibliography and Taxa of Calcareous Nannoplankton and is divided into three parts as outlined below.

1. BIBLIOGRAPHY

This part gives full bibliographic references for publications dealing with silicoflagellates. Unpublished Theses are also referenced, in a separate section at the end of "other titles". References are divided into three columns:

Publication Reference Number - first column.

The letter E indicates that all pages of the INA Newsletter with this letter contain titles of publications dealing with silicoflagellates. It is directly followed by the page number and the number of the title. This combined number is the publication reference number, which is used for indexing.

Complete Reference - second column

Subject Codes - third column

Each reference has been provided with a keywords code indicating the main subjects treated in the publication. The code system utilized is the same as the one used for the calcareous nannofossil bibliography. A complete listing of the codes is given below.

2. TAXA

This section lists the names of taxa which have been changed or new taxa which have been described in the references included in the volume. Taxa are arranged in alphabetical order.

Name of the Taxon - first column

In this column the full correct citation of the taxon is given followed by the page reference. For new taxa the type locality and age of the holotype are given. For new combinations the basionym is given.

The Publication Reference Number - second column

This column contains the number referring to the complete reference of the publication in which the new taxon or the new combination has been introduced (the E pages). In addition comments on the status of taxa are referenced here (C1-7).

3. NEW TAXA

The final section is a summary listing of the new taxa arranged in alphabetic order of species epithet.

LIST OF CODES USED IN THE BIBLIOGRAPHY

The codes system used in the silicoflagellate bibliography is that devised for the bibliography and taxa of calcareous nannoplankton (van Heck 1979 INA Newsl. 1/1; Siesser 1990, INA Newsl. 12/2). There are four types of codes: type of publication; topics; chronostratigraphy (i.e. geological age); and geographical location. All the codes used in the silicoflagellate bibliography are listed and explained below. One addition has been made to the Geographical Location codes. Southern is used to denote the portions of the Pacific, Atlantic, and Indian Oceans located south of Australia.

PUBLICATIONS

- Abst. = Abstract only.
Bibl. = Bibliography.
Overview = Paper contains data on many subjects, being an introduction to silicoflagellates or giving an overview.

TOPICS

- Biol. = Biology: data on anatomy, biochemistry, biomineralization, culture experiments, life history.
Diag. = Diagenesis.
Ecol. = Ecology: data on climate; global, regional and vertical distribution; light dependence; temperature preference; water chemistry, etc.
Evol. = Data on evolution of silicoflagellates.
Isot. = Isotopic studies involving silicoflagellates.
Morph. = Morphology and terminology of the mineralized skeleton.
Sedim. = Sedimentation, processes acting on the skeleton before burial; silicoflagellates as sedimentary components.
Strat. = General stratigraphy.
Strat. = Introduction/re-definition of new zones or subzones.
(Strat.) = Correlation between silicoflagellate zonations and subdivisions based on other techniques.
Syst. = Systematics (taxonomy and nomenclature).
Syst. = Systematics, with new taxa or new combinations.
(Syst.) = Pictures of silicoflagellates, without descriptions.
Tech. = Techniques.

CHRONOSTRATIGRAPHY

- Living = Live material, from cultures, water samples etc.
RECENT = Modern material from recent sediments and sediment traps.
QUAT. = Quaternary
TERT. = Tertiary
TERT.U. = Upper Tertiary (Miocene-Pliocene)
TERT.L. = Lower Tertiary (Paleocene-Oligocene)
K/T BDY = Cretaceous-Tertiary boundary
CRET. = Cretaceous
CRET.U. = Upper Cretaceous (Cenomanian-Maastrichtian)
CRET.L. = Lower Cretaceous (Berriasian-Albian)

GEOGRAPHICAL LOCATIONS

Land areas, including adjacent continental shelves and islands

- Africa N. = African countries bordering the Mediterranean Sea.
Africa C-S. = Other African countries.
America N. = North America; Canada, USA, Greenland.
America C. = Central America; countries between Colombia and the USA, and those situated in the Caribbean and the Gulf of Mexico; Bahamas included, Trinidad excluded.
America S. = South America; Falkland Plateau, Galapagos Islands and Trinidad included.
Asia SW. = Southwest Asia; all countries of Asia south of the Soviet Union and west of Pakistan; Cyprus included.
Asia S. = Pakistan, India, Bangladesh, Sri Lanka.
Asia E. = East Asia; other countries of Asia except USSR.
Antarctic = Continent of Antarctica.
Australasia = Australia, Melanesian Archipelago, New Zealand and Papua-New Guinea.
Europe E. = Eastern Europe; Albania, Bulgaria, Czechoslovakia, Finland, Greece, Hungary, Poland, Romania, Yugoslavia; Crete included, Russia excluded.
Europe W. = Western Europe; all European countries west of those mentioned before; Balearic Islands, Corsica, Ibiza, Sardinia, and Malta included.
USSR = European and Asian states of the Soviet Union

Oceans

- Arctic = Arctic Ocean; area generally north of 70°N. lat.
Atlantic N. = Northern Atlantic Ocean; area north of 30°N; Baffin Bay, Norwegian Sea, Baltic Sea and North Sea included.
Atlantic C. = Central Atlantic Ocean; area between 30°N and 20°S; Caribbean and Gulf of Mexico included.
Atlantic S. = Southern Atlantic Ocean; area from 20°S to Antarctica.
Indian = Indian Ocean, south to Antarctica; Persian/Arabian Gulf, Red Sea included.
Mediterr. = Mediterranean Sea; Black Sea included.
Pacific N. = Northern Pacific Ocean; area generally north of 20°N; Bering Sea, Sea of Japan, Sea of Okhotsk; Yellow Sea included.
Pacific C. = Central Pacific Ocean; area between 20°N and 20°S; Banda Sea, Celebes Sea, South China Sea, and Java Sea included.
Pacific S. = Southern Pacific Ocean; area from 20°S to Antarctica; Coral Sea and Tasman Sea included.
Southern = Portions of the Pacific, Indian and Atlantic Oceans south of Australia (about 40°S).

Broad areas

- N. Hemisph. = Northern Hemisphere; localities distributed over several continents and/or oceans north of the Equator.
S. Hemisph. = Southern Hemisphere; localities distributed over several continents and/or oceans south of the Equator.
Worldwide = localities distributed over several continents and/or oceans north and south of the Equator.

INDEX OF CODES IN THE BIBLIOGRAPHY

Abst.	numerous, so not indexed.
Africa N.	E10-5.
America C.	E34-6.
America N.	numerous, so not indexed.
Antarctic	E19-3, E19-4, E19-5, E19-7, E19-8, E26-6, E27-6, E27-8, E40-5, E40-8, E40-9, E41-5.
Arctic	E12-2, E12-2, E14-9, E23-10, E25-9, E26-7, E42-5.
Asia E.	E25-2, E26-2, E26-3.
Asia S.	E30-3.
Asia SW.	E31-3, E31-4, E36-5.
Atlantic N/C/S	numerous, so not indexed.
Australasia	E28-2, E28-5, E28-7.
Bibl.	E8-8, E8-9.
Biol.	E9-1, E15-8, E17-1, E24-6, E27-4, E31-1, E33-10, E36-3, E39-1, E39-2, E40-1, E40-3, E40-4, E41-3.
CRET., CRET.U.	E11-7, E12-2, E14-9, E15-3, E15-5, E18-5, E18-6, E18-8, E19-6, E20-10, E22-1, E23-5, E24-3, E25-3, E26-7, E27-5, E31-4, E35-2, E36-5, E36-6, E39-6, E41-5, E42-4, E42-5, E42-8.
CRET.L.	E30-9.
Diag.	E20-11, E22-3, E39-8.
Ecol.	numerous, so not indexed.
Europe	E31-5.
Europe E.	E8-7, E17-3, E17-4, E17-5, E17-6, E18-2, E27-2.
Europe W.	E9-4, E11-5, E29-6, E29-9, E32-8, E34-2, E35-7.
Evol.	E22-1, E26-8, E26-9, E30-9, E34-1, E34-3, E38-10, E39-2, E39-3.
Indian	E11-7, E14-11, E14-12, E15-1, E18-5, E20-1, E20-2, E20-3, E24-1, E31-8, E32-6, E32-6, E34-9, E35-1, E35-2, E42-8.
Isot.	E22-5.
K/T BDY	E14-10, E38-10.
Living	E9-1, E11-1, E11-3, E16-10, E17-7, E22-2, E24-1, E24-2, E24-6, E26-10, E32-1, E33-4, E36-4, E39-7, E39-9, E40-1, E41-6, E43-6, E43-7.
Mediterr.	E16-1, E16-10, E16-4, E22-2, E24-5, E29-9, E34-5, E35-3, E35-6, E35-8, E37-1, E39-7.
Morph.	E11-3, E11-4, E15-8, E21-11, E22-1, E24-4, E24-5, E24-6, E28-10, E28-8, E28-9, E30-4, E30-5, E30-6, E30-8, E31-1, E31-2, E34-3, E39-9, E40-3, E43-3, E43-9.
N. Hemisph.	E39-5.
Overview	E10-8, E10-9, E11-2, E11-4, E11-6, E14-10, E15-9, E15-10, E17-1, E18-2, E19-2, E19-7, E19-9, E23-4, E24-8, E26-8, E33-1, E36-3, E39-1, E40-2.
Pacific N/C/S	numerous, so not indexed.
QUAT	numerous, so not indexed.
RECENT	E24-5, E30-3, E38-1, E38-2, E38-3, E38-4, E38-5, E43-1.

S. Hemisph.	E25-8.
Sedim.	E18-1, E42-6.
Southern	E13-2, E13-3, E13-3, E13-4, E13-6, E13-7, E13-8, E14-8, E17-7, E17-8, E21-10, E21-9, E23-1, E23-2, E23-3, E24-7, E27-9, E28-1, E28-6, E30-8, E30-9, E34-7, E36-9, E40-6, E41-1, E42-3, E43-10, E43-4.
Strat/(Strat)	numerous, so not indexed.
<u>Strat.</u>	E11-9, E13-3, E25-8, E29-2, E29-3, E32-8.
Syst/(Syst)/ <u>Syst</u>	numerous, so not indexed.
Tech.	E26-4, E28-4, E30-4, E30-5, E32-3, E41-7.
TERT.U./L.	numerous, so not indexed.

BIBLIOGRAPHY

- E8
- 1 **ABBOTT, W.H.** **1978** (Syst.)
 Correlation and zonation of Miocene strata along the Atlantic Margin of
 North America using diatoms and silicoflagellates. (Strat.)
 Mar. Micropal., 3(1):15-34, 2 pls., 4 figs. TERT.U.
 Atlantic N.

 - 2 **ABBOTT, W.H.** **1979** Abst.
 Diatom assemblages and stratigraphically significant silicoflagellates
 from the southeastern United States Atlantic margin. Strat.
 Geol. Soc. Amer. Abstr. Prog., 11(4):169. QUAT.
 TERT.U.
 Atlantic N.

 - 3 **ABBOTT, W.H.** **1980** (Syst.)
 Diatoms and stratigraphically significant silicoflagellates from the
 Atlantic Margin Coring Project and other Atlantic Margin sites. Strat.
 Micropal., 26(1):49-80, 6 pls., 2 figs., 9 tbs. QUAT.
 TERT.
 Atlantic N.

 - 4 **ABBOTT, W.H., & ERNISSEE, J.J.** **1976** Abst.;Syst.
 Diatom and silicoflagellate biostratigraphy and paleoecology of a
 diatomaceous clay from the Miocene Pungo River Formation (North
 Carolina). Strat.;Ecol.
 Geol. Soc. Amer. Abstr. Prog., 8(6):749. TERT.U.
 America N.

 - 5 **ADDICOTT, W.O.** **1983** (Syst.)
 Biostratigraphy of the marine Neogene sequence at Cape Blanco,
 southwestern Oregon. Strat.
 U.S. Geol. Surv. Prof. Paper 0774-G, pp. G1-G20, 3 pls., 12 figs., 3
 tbs. TERT.U.
 America N.

 - 6 **AKERS, W.H., MAROLT, R.E., & NAVARETTE, R.J.** **1987** (Syst.)
 Late Miocene and Early Pliocene siliceous microfossils from the upper
 Monterey and lower Sisquoc Formations, Sweeney Road, Santa Barbara
 County, California. Strat.
 Tulane Stud. Geol. & Paleontol., 20(1-3):112 p., 28 pls. TERT.U.
 America N.

 - 7 **ALMEKINDERS, R.** **1985** Abst.
 Silicoflagellates from the Aitania-section; a quantitative inventarisaton.
 INA Newsletter, 7(2):51. TERT.U.
 Europe E.

 - 8 **ALMEKINDERS, R.** **1985** Bibl.
 Bibliography and taxa of silicoflagellates I.
 INA Newsletter, 7(1):39-48.

 - 9 **ALMEKINDERS, R.** **1986** Bibl.
 Bibliography and taxa of silicoflagellates II.
 INA Newsletter, 8(1):43-54.

- | | | | |
|----|---|------|--|
| 1 | ANTIA, N.J.
Nutritional physiology and biochemistry of marine cryptomonads and chrysomonads.
In: Levandowsky, M., & Hutner, S.H., (eds.), Biochemistry and physiology of Protozoa, vol. 3, pp. 67-115, 4 figs., 4 tbs. | 1980 | Living Biol. |
| 2 | ARENDS, R.G.
Diatoms and silicoflagellates from Holocene sediments, southern California continental borderland.
Amer. Assoc. Petr. Geol. Bull., 64(3):438. | 1980 | Abst.
QUAT.
America N. |
| 3 | AUBRY, M.-P., MATOBA, Y., ET AL.
Synthesis of Leg 64 biostratigraphy.
In: Curray, J.R., et al., Init. Rep. DSDP, vol. 64, part 2, pp. 1057--1064, 8 figs., 3 tbs. | 1982 | (Strat.)
QUAT.
TERT.U.
Pacific N. |
| 4 | BACHMANN, A., & PAPP, A.
Vorkommen und Verbreitung der Silicoflagellaten im Neogen Oesterreichs. (Occurrence and distribution of silicoflagellates in the Neogene of Austria.)
Giorn. Geol., ser. 2, vol. 35, pp. 117-126, 3 pls.
(In German) | 1968 | Strat.
(Syst.)
TERT.U.
Europe W. |
| 5 | BARKER, P.F., KENNETT, J.P., ET AL.
Site 689.
ODP Proc. Init. Reprs., vol. 113, pp. 89-181. | 1988 | Strat.
QUAT.;TERT.
Atlantic S. |
| 6 | BARKER, P.F., KENNETT, J.P., ET AL.
Site 690.
ODP Proc. Init. Reprs., vol. 113, pp. 183-292. | 1988 | Strat.
QUAT.;TERT.
Atlantic S. |
| 7 | BARKER, P.F., KENNETT, J.P., ET AL.
Site 693.
ODP Proc. Init. Reprs., vol. 113, pp. 329-447. | 1988 | Strat.
QUAT.;TERT.
Atlantic S. |
| 8 | BARKER, P.F., KENNETT, J.P., ET AL.
Site 694.
ODP Proc. Init. Reprs., vol. 113, pp. 449-525. | 1988 | Strat.
QUAT.;TERT.
Atlantic S. |
| 9 | BARKER, P.F., KENNETT, J.P., ET AL.
Site 695.
ODP Proc. Init. Reprs., vol. 113, pp. 527-606. | 1988 | Strat.
QUAT.;TERT.
Atlantic S. |
| 10 | BARKER, P.F., KENNETT, J.P., ET AL.
Site 696.
ODP Proc. Init. Reprs., vol. 113, pp. 607-704. | 1988 | Strat.
QUAT.;TERT.
Atlantic S. |
| 11 | BARKER, P.F., KENNETT, J.P., ET AL.
Site 697.
ODP Proc. Init. Reprs., vol. 113, pp. 705-774. | 1988 | Strat.
QUAT.;TERT.
Atlantic S. |

E10

- 1 **BARRON, J.A.** 1976 Abst.
Middle Miocene-Early Pliocene marine diatom and silicoflagellate (Strat.)
correlations in California. TERT.U.
Amer. Assoc. Petr. Geol. Bull., 60(12):2175. America N.
- 2 **BARRON, J.A.** 1976 Strat.
Marine diatom and silicoflagellate biostratigraphy of the type Delmon- TERT.U.
tian Stage and the type *Bolivina obliqua* Zone, California. America N.
J. Res. U.S. Geol. Surv., 4(3):339-351, 11 figs., 1 tb.
- 3 **BARRON, J.A.** 1976 (Syst.)
Revised Miocene and Pliocene diatom biostratigraphy of upper Newport Strat.
Bay, Newport Beach, California. TERT.U.
Mar. Micropal., 1:27-63, 3 pls., 7 figs., 5 tbs. America N.
- 4 **BARRON, J.A., NIGRINI, C., PUJOS., A., ET AL.** 1985 (Strat.)
Synthesis of biostratigraphy, central equatorial Pacific, DSDP Leg 85: QUAT.
refinement of Oligocene to Quaternary biochronology. TERT.
In: Mayer, L., Theyer, F., et al., Init. Reps., DSDP, vol. 85, pp. Pacific C.
905-934, 15 figs., 8 tbs.
- 5 **BAUDRIMONT, R., & DEGIOVANNI, C.** 1974 Ecol.
Interpretation paleoecologique des Diatomites du Miocene superieur de TERT.U.
l'Algerie occidentale. (Paleoecological interpretation of diatomites of the Africa N.
Upper Miocene in western Algeria).
Acad. Sci. (Paris), C.R., ser. D, 277(16):1337-1340, 1 fig.
- 6 **BAUMGARTNER, T., FERREIRA-BARTRINA, V., SCHRADER, H., & SOUTAR, A.** 1985 Ecol.
A 20-year varve record of siliceous phytoplankton variability in the QUAT.
central Gulf of California. Pacific N.
Mar. Geol., 64(1-2):113-129, 7 figs., 4 tbs.
- 7 **BERGEN, T.F.W., SBLENDORIO-LEVY, J., ET AL.** 1986 Strat.
Middle Miocene planktonic microfossils and lower bathyal foraminifera TERT.U.
from offshore southern California. Pacific N.
J. Paleo., 60(2):249-267, 12 figs., 2 tbs.
- 8 **BERGER, W.H.** 1976 Overview
Biogenous deep-sea sediments; production, preservation and interpreta-
tion.
In: Riley, J.P., (ed.), Chemical Oceanography, vol. 5, 2nd edition, pp.
265-388, 1 pl., 46 figs., 8 tbs.
- 9 **BIGNOT, G.** 1985 Overview
Elements of micropalaeontology.
Graham & Trotman, Ltd., London, 217 p.

E11

- 1 **BONEY, A.D.** **1973** Living
Observations on the silicoflagellate *Dictyocha speculum* Ehrenberg from Atlantic N.
the Firth of Clyde.
J. Mar. Biol. Assoc. U.K., 53:263-268, 1 fig., 1 tb.
- 2 **BONEY, A.D.** **1975** Overview
Phytoplankton.
Edward Arnold Ltd., London, 116 p.
- 3 **BONEY, A.D.** **1976** Living
Observations on the silicoflagellate *Dictyocha speculum* Ehrenberg; Morph.
double skeletons and mirror-images.
J. Mar. Biol. Assoc. U.K., 56(2):263-266., 1 fig.
- 4 **BOVEE, E.C.** **1981** Overview
Distribution and forms of siliceous structures among Protozoa. Morph.
In: Simpson, T.L., & Volcani, B.E., (eds.), Silicon and siliceous
structures in biological systems, pp. 233-279, 26 figs., 1 tb.
- 5 **BOYD, P.D.A.** **1981** Ecol.
The micropalaeontology and palaeoecology of medieval estuarine QUAT.
sediments from the Fleet and Thames in London. Europe W.
In: Neale, J.W., & Brasier, M.D., (eds.), Microfossils from Recent and
fossil shelf seas. Ellis Horwood, Ltd, Chichester, pp. 274-292, 4 pls.,
3 figs., 1 tb.
- 6 **BRASIER, M.D.** **1980** Overview
Microfossils.
George Allen & Unwin, London, 193 p.
- 7 **BUKRY, D.** **1974** Strat.
Phytoplankton stratigraphy, offshore East Africa, DSDP Leg 25. QUAT.;TERT.
In: Simpson, E.S.W., Schlich, E., et al., Init. Reps., DSDP, vol. 25, pp. CRET.
635-646, 4 figs., 1 tb. Indian
- 8 **BUKRY, D.** **1984** Syst.
Cenozoic silicoflagellates from Rockall Plateau, DSDP Leg 81. Strat.
In: Roberts, D.G., Schnitker, D., et al., Init. Reps., DSDP, vol. 81, pp. QUAT.;TERT.
547-567, 3 pls., 3 figs., 7 tbs. Atlantic N.
- 9 **BUKRY, D.** **1985** Syst.
Tropical Pacific silicoflagellate zonation and paleotemperature trends of Strat.
the late Cenozoic. Ecol.
In: Mayer, L., Theyer, F., et al., Init. Reps., DSDP, vol. 85, pp. QUAT.;TERT.
477-497, 6 pls., 5 figs., 5 tbs. Pacific C.

E12

- 1 **BUKRY, D.** 1985 Syst.
Mid-Atlantic ridge coccolith and silicoflagellate biostratigraphy, DSDP Strat.
Sites 558 and 563. QUAT.
In: Bougault, H., Cande, S.C., et al., Init. Reprs., DSDP, vol. 82, pp. Atlantic N.
591-603, 1 pl., 3 tbs.
- 2 **BUKRY, D.** 1985 Strat.
Correlation of Late Cretaceous Arctic silicoflagellates from Alpha Ridge. Syst.
In: Jackson, H.R., Mudie, P.J., & Blasco, S.M. (eds.), Initial geological CRET.U.
report on CESAR; the Canadian Expedition to study the Alpha Ridge, Arctic
Arctic Ocean. Geol. Surv. Canada, Paper, 84-22, pp. 125-135, 2 figs.,
2 tbs.
- 3 **BUKRY, D.** 1987 Strat.
Eocene siliceous and calcareous phytoplankton, DSDP Leg 95. Syst.
In: Poag, C.W., Watts, A.B., et al., Init. Reprs., DSDP, vol. 95, pp. TERT.L.
395-415, 7 pls., 1 fig., 3 tbs. Atlantic N.
- 4 **BUKRY, D.** 1987 Syst.
North Atlantic Quaternary silicoflagellates, DSDP Leg 94. Strat.
In: Ruddimann, W.F., Kidd, R.B., et al., Init. Reprs., DSDP, vol. 94, pp. QUAT.
779-783, 1 fig., 1 tb. Atlantic N.
- 5 **BURCKLE, L.H.** 1977 Syst.Strat.
Pliocene and Pleistocene diatom datum levels from the equatorial QUAT.;TERT.
Pacific. Pacific C.
Quat. Res., 7(3):330-340, 4 figs., 1 tb.
- 6 **BURCKLE, L.H.** 1979 Syst.
Validation of middle Pliocene to Pleistocene paleomagnetic reversal Strat.
record using diatom and silicoflagellate datum levels. QUAT.;TERT.
In: von Rad, U., Ryan, W.B.F., et al., Init. Reprs. DSDP, vol. 47, pp. Atlantic N.
479-481, 1 fig. Atlantic C.
- 7 **BURCKLE, L.H.** 1981 Syst.
A paleomagnetic date on the *Dictyocha aspera/fibula* crossover in the Strat.
equatorial Pacific. TERT.U.
Micropal., 27(3):332-334, 1 fig. Pacific C.
- 8 **BUSEN, K.E., & WISE, S.W., Jr.** 1977 Syst.
Silicoflagellate stratigraphy, DSDP Leg 36. Strat.
In: Barker, P.F., Dalziel, I.W.D., et al., Init. Reprs. DSDP, vol. 36, pp. QUAT.;TERT.
697-743, 12 pls., 1 fig., 8 tbs. Atlantic S.

E13

- 1 **CASEY, R.E.** 1977 Syst.
Atlantic Cenozoic silicoflagellates, potential for biostratigraphic and Strat.
paleoecologic studies. QUAT.;TERT.
In: Swain, F.M. (ed.), Stratigraphic micropaleontology of Atlantic basins Ecol.
and borderlands, Elsevier, Amsterdam, pp. 545-552. Atlantic
- 2 **CIESIELSKI, P.F.** 1974 Syst.
Silicoflagellate paleotemperature curve for the Southern Ocean. Ecol.
Antarctic J. of U.S., 9(5):269-270, 2 figs. TERT.
Southern
- 3 **CIESIELSKI, P.F.** 1974 Strat.
Neogene and Oligocene silicoflagellate biostratigraphic zonation for the TERT.
Southern Ocean. Southern
- 4 **CIESIELSKI, P.F.** 1975 Strat.
Biostratigraphy and paleoecology of Neogene and Oligocene silicoflagellates from cores recovered during Antarctic Leg 28, DSDP. Syst.
In: Hayes, D.E., Frakes, L.A., et al., Init. Repts. DSDP, vol. 28, pp. Ecol.
625-691, 9 figs., 9 tbs. TERT.
Southern
- 5 **CIESIELSKI, P.F., & CASE, S.M.** 1989 Syst.
Neogene paleoceanography of the Norwegian Sea based upon the Ecol.
silicoflagellate assemblage changes in Leg 104 sedimentary sequences. QUAT.;TERT.
In: Eldholm, O., Thiede, J., et al., Proc. Sci. Results, ODP, vol. 104, pp. Atlantic N.
527-541, 8 figs., 2 tbs.
- 6 **CIESIELSKI, P.F., & WEAVER, F.M.** 1973 Syst.
Southern Ocean Pliocene paleotemperatures based on silicoflagellates Ecol.
from deep-sea cores. TERT.U.
Antarctic J. of U.S., 8(5):295-297, 2 figs. Southern
- 7 **CIESIELSKI, P.F., & WEAVER, F.M.** 1974 Syst.
Early Pliocene temperature changes in the Antarctic Seas. Ecol.
Geology, 2(10):511-515, 3 figs., 3 tbs. TERT.U.
Southern
- 8 **CIESIELSKI, P.F., DINKELMAN, M.G., LEDBETTER, M.T.,
ET AL.** 1978 Abst.
New evidence on the timing of Late Miocene-middle Pliocene glacial TERT.U.
fluctuations from the SW Atlantic sector of the Southern Ocean. Southern
Geol. Soc. Amer. Abstr. Prog., 10(7):380.
- 9 **CIESIELSKI, P.F., HASSON, P., & TURNER, J.W.** 1989 Syst.
The stratigraphy of Neogene silicoflagellates from the Norwegian Sea. Strat.
In: Eldholm, O., Thiede, J., et al., Proc., ODP Sci. Results, vol. 104, pp. QUAT.;TERT.
497-525, 8 pls., 1 fig., 5 tbs. Atlantic N.

E14

- | | | | |
|----|--|--------------------|---|
| 1 | <p>CIESIELSKI, P.F., KRISTOFFERSEN, Y., ET AL.
 Site 698.
 ODP, Proc. Init. Reprs., vol. 114, pp. 87-150.</p> | <p>1988</p> | <p>Strat.
 TERT.L
 Atlantic S.</p> |
| 2 | <p>CIESIELSKI, P.F., KRISTOFFERSEN, Y., ET AL.
 Site 699.
 ODP, Proc. Init. Reprs., vol. 114, pp. 151-254.</p> | <p>1988</p> | <p>Strat.
 QUAT.;TERT.
 Atlantic S.</p> |
| 3 | <p>CIESIELSKI, P.F., KRISTOFFERSEN, Y., ET AL.
 Site 700.
 ODP, Proc. Init. Reprs., vol. 114, pp. 255-361.</p> | <p>1988</p> | <p>Strat.
 TERT.L.
 Atlantic S.</p> |
| 4 | <p>CIESIELSKI, P.F., KRISTOFFERSEN, Y., ET AL.
 Site 701.
 ODP, Proc. Init. Reprs., vol. 114, pp. 363-482.</p> | <p>1988</p> | <p>Strat.
 TERT.
 Atlantic S.</p> |
| 5 | <p>CIESIELSKI, P.F., KRISTOFFERSEN, Y., ET AL.
 Site 702.
 ODP, Proc. Init. Reprs., vol. 114, pp. 483-548.</p> | <p>1988</p> | <p>Strat.
 TERT.
 Atlantic S.</p> |
| 6 | <p>CIESIELSKI, P.F., KRISTOFFERSEN, Y., ET AL.
 Site 703.
 ODP, Proc. Init. Reprs., vol. 114, pp. 549-619.</p> | <p>1988</p> | <p>Strat.
 TERT.
 Atlantic S.</p> |
| 7 | <p>CIESIELSKI, P.F., KRISTOFFERSEN, Y., ET AL.
 Site 704.
 ODP, Proc. Init. Rps., vol. 114, pp. 621-795.</p> | <p>1988</p> | <p>Strat.
 TERT.
 Atlantic S.</p> |
| 8 | <p>CIESIELSKI, P.F., WEAVER, F.M.,& LEDBETTER, M.T.
 A revised Antarctic glacial chronology based on correlations of
 circum-Antarctic siliceous microfossil zonal schemes with the upper
 Middle-Upper Miocene magnetostratigraphic record.
 Geol. Soc. Amer. Abstr. Prog., 13(7):427.</p> | <p>1981</p> | <p>Abst.
 (Strat.)
 TERT.U.
 Southern</p> |
| 9 | <p>CLARK, D.L.
 Late Mesozoic and Early Cenozoic sediment cores from the Arctic
 Ocean.
 Geology, 2(1):41-44.</p> | <p>1974</p> | <p>TERT.L.
 CRET.
 Arctic</p> |
| 10 | <p>CLARK, D.L., KITCHELL, J.A., GARTNER, S., ET AL.
 The terminal Cretaceous event; a geologic problem with an oceano-
 graphic solution.
 Geology, 7(5):228-229.</p> | <p>1979</p> | <p>Overview
 K/T BDY</p> |
| 11 | <p>COCHRAN, J.R., STOW, D.A.V., ET AL.
 Site 717.
 ODP, Proc. Init. Reprs., vol. 116, pp. 45-89.</p> | <p>1989</p> | <p>Strat.
 QUAT.;TERT.
 Indian</p> |
| 12 | <p>COCHRAN, J.R., STOW, D.A.V., ET AL.
 Site 718.
 ODP, Proc. Init. Reprs., vol. 116, pp. 91-154.</p> | <p>1989</p> | <p>Strat.
 QUAT.
 Indian</p> |

E15

- | | | | |
|----|---|-------------|--|
| 1 | COCHRAN, J.R., STOW, D.A.V., ET AL.
Site 719.
ODP, Proc. Init. Repts., vol. 116, pp. 155-196. | 1989 | Strat.
QUAT.
Indian |
| 2 | CORNELL, W.C.
Silicoflagellates as paleoenvironmental indicators in the Modelo Formation (Miocene).
Geol. Soc. Amer. Abstr. Progr., 1969, pt. 2, pp. 6-7. | 1969 | Abst.
Syst.
Ecol.
TERT.U.
America N. |
| 3 | CORNELL, W.C.
Chrysomonad cysts and silicoflagellates from the Marca Shale Member, Fresno Formation (Maastrichtian), Fresno County, California.
Dissert. Abstr. Intl., ser. B, v. 33, pp. 1616B- 1617B. | 1972 | Abst.
Syst.
CRET.U.
America N. |
| 4 | CORNELL, W.C.
Silicoflagellates as paleoenvironmental indicators in the Modelo Formation (Miocene), California.
J. Paleo., 48(5):1018-1029, 1 pl., 5 figs., 1 tb. | 1974 | (Syst.)
Ecol.
TERT.U.
America N. |
| 5 | CORNELL, W.C.
Maastrichtian silicoflagellates of the Great Valley, California.
Geoscience and Man, IX:37-44, 1 pl., 5 figs. | 1974 | (Syst.)
Strat.
CRET.U.
America N. |
| 6 | CORNELL, W.C.
Neogene silicoflagellate biostratigraphy of the Back Bay section, Newport Beach, California.
AAPG-SEPM Ann. Mtg. Abstr. 2:14. | 1975 | Abst.
Syst.;Strat.
QUAT.;TERT.
America N. |
| 7 | CORNELL, W.C.
Luisian-age silicoflagellates from the Monterey Formation, Orange County, California.
Geol. Soc. Amer. Abstr. Prog., 10(3):101. | 1978 | Abst.
Syst.
TERT.U.
America N. |
| 8 | CRAWFORD, R.M., & SCHMID, A.-M.M.
Ultrastructure of silica deposition in diatoms.
In: Leadbeater, B.S.C., & Riding, R., (eds.), Biomineralization in lower plants and animals, pp. 291-314, 14 figs. | 1986 | Morph.
Biol. |
| 9 | DAWES, C.J.
Marine botany.
John Wiley & Sons, New York, 628 p. | 1981 | Overview |
| 10 | DODGE, J.D.
The phytoflagellates: fine structure and phylogeny.
In: Levandowsky, M., & Hutner, S.H., (eds.), Biochemistry and physiology of Protozoa, vol. 1, pp. 7-57, 16 figs. | 1979 | Overview |

E16

- | | | | |
|----|--|------|--|
| 1 | DUMITRICĂ, P.
Miocene and Quaternary silicoflagellates in sediments from the Mediterranean Sea.
In: Ryan, W.B.F., Hsu, K.J., et al., Init. Repts. DSDP, vol. 13, pp. 902-933, 12 pls., 4 figs. | 1973 | Syst.
QUAT.
TERT.U.
Mediterr. |
| 2 | DUMITRICĂ, P.
Paleocene, Late Oligocene and post-Oligocene silicoflagellates in Southwest Pacific sediments cored on DSDP Leg 21.
In: Burns, R.E., Andrew, J.E., et al., Init. Repts. DSDP, vol. 21, pp. 837-883, 13 pls., 6 figs. | 1973 | Syst.
Strat.
TERT.
Pacific C.
Pacific S. |
| 3 | EDWARDS, L.E.
Upper Miocene silicoflagellates and ebridians from the Montesano Formation, Washington.
Geol. Soc. Amer. Abstr. Prog., 5(1):37. | 1973 | Abst.
TERT.U.
America N. |
| 4 | EHRlich, A., & MOSHKOVITZ, S.
Distribution of calcareous nannofossils and siliceous microfossils in the Plio-Pleistocene sediments of the Mediterranean coast and offshore Israel (a preliminary study).
Israel J. Earth Sci., 27(1-2):65-71, 2 pls., 2 figs. | 1978 | Strat.
QUAT.
TERT.U.
Mediterr. |
| 5 | ELDHOLM, O., THIEDE, J., ET AL.
Site 642.
ODP, Proc. Init. Repts., vol. 104, pp. 53-453. | 1987 | Strat.
QUAT.;TERT.
Atlantic N. |
| 6 | ELDHOLM, O., THIEDE, J., ET AL.
Site 643.
ODP, Proc. Init. Repts., vol. 104, pp. 455-615. | 1987 | Strat.
TERT.U.
Atlantic N. |
| 7 | ELDHOLM, O., THIEDE, J., ET AL.
Site 644.
ODP, Proc. Init. Repts., vol. 104, pp. 617-717. | 1987 | Strat.
TERT.U.
Atlantic N. |
| 8 | ELDHOLM, O., THIEDE, J., ET AL.
Summary and preliminary conclusions.
ODP, Proc. Init. Repts., vol. 104, pp. 751-771. | 1987 | Strat.
TERT.
Atlantic N. |
| 9 | ERNISSEE, J.J., & ABBOTT, W.H.
Silicoflagellate biostratigraphy of the Coosawhatchie Member of the Hawthorn Formation (Miocene) of South Carolina.
Geol. Soc. Amer. Abstr. Prog., 8(2):168. | 1976 | Abst.
Syst.
Strat.
TERT.U.
America N. |
| 10 | FANUKO, N.
Possible relation between a bloom of <i>Distephanus speculum</i> (Silicoflagellata) and anoxia in bottom waters in the Northern Adriatic, 1983.
J. Plankton Res., 11(1):75-84, 5 figs., 1 tb. | 1989 | Syst.
Living
Ecol.
Mediterr. |

E17

- | | | | |
|---|---|------|--|
| 1 | FOGG, G.E., & THAKE, B.
Algal cultures and phytoplankton ecology, 3rd ed.
University of Wisconsin Press, Madison, Wisconsin, 269 p. | 1987 | Overview
Biol.
Ecol. |
| 2 | FOWLER, G.A., ORR, W.N., & KULM, L.D.
An Upper Miocene diatomaceous rock unit on the Oregon continental shelf.
J. Geol., 79(5):603-608, 3 figs. | 1971 | TERT.U.
Pacific N. |
| 3 | FRYDAS, D.
Siliceous phytoplankton from a diatomite near Heraklion, Crete, Greece.
Newsletters on Strat., 14(3):142-157, 4 pls., 3 figs., 2 tbs. | 1985 | (Syst.)
QUAT.
TERT.
Europe E. |
| 4 | FRYDAS, D.
Plankton-stratigraphie mariner Sedimente des Neogens von Ost-Kreta (Griechenland) (Plankton stratigraphy of Neogene marine sediments of eastern Crete, Greece).
Newsletters on Strat., 16(2):69-83, 3 pls., 3 figs., 2 tbs.
(In German with English summary) | 1986 | (Syst.)
QUAT.
TERT.
Europe E.
Strat. |
| 5 | FRYDAS, D.
Silicoflagellate associations, biostratigraphy and paleoenvironmental analysis of the Pliocene of section Aitania (District of Heraklion, Crete)-Greece.
Documenta naturae, 28:1-8, 6 pls., 2 figs., 3 tbs. | 1986 | (Syst.)
Strat.
Ecol.
TERT.U.
Europe E. |
| 6 | FRYDAS, D.
Silicoflagellaten aus dem Messinium von Kreta, Griechenland (Silicoflagellata from the Messinian of Crete, Greece).
Zeitschrift der Deutschen Geologischen Gesellschaft, 138(1):53-75, 3 pls., 4 figs., 2 tbs.
(In German with English summary). | 1987 | (Syst.)
Strat.
TERT.
Europe E. |
| 7 | FRYXELL, G.A., KANG, S.-H., & REAP, M.E.
AMERIEZ 1986: Phytoplankton at the Weddell Sea ice edge.
Antarctic J. of U.S., 12(5):173-175, 2 figs. | 1987 | Living
Southern |
| 8 | GERSONDE, R., ABELMANN, A., BURCKLE, L.H. ET AL.
Biostratigraphic synthesis of Neogene siliceous microfossils from the Antarctic Ocean, ODP Leg 113 (Weddell Sea).
In: Barker, P.F., Kennett, J.P. et al., Proc. Sci. Res., ODP, vol. 113, pp. 915-936, 16 figs. | 1990 | Strat.
QUAT.
TERT.U.
Southern |

E18

- 1 **GERSONDE, R. & WEFER, G.** 1987 (Syst.)
Sedimentation of biogenic siliceous particles in Antarctic waters from
the Atlantic sector. Sedim. Atlantic S.
Mar. Micropal., 11(4):311-332, 5 pls., 6 figs., 3 tbs.

- 2 **GLEZER, Z.I.** 1970 Overview
Cryptogamic plants of the U.S.S.R., Vol. VII, Silicoflagellatophyceae. Europe E.
Israel Progr. Sci. Trans, 363 p. (Translation of Russian volume
published in 1966).

- 3 **GOLDSTEIN, F.R., & COUSMINER, H.L.** 1973 Abst.
The palynology of the Kirkwood Formation of New Jersey. TERT.U.
Geol. Soc. Amer. Abstr. Progr., 5(2):168. America N.

- 4 **GOLL, R.M.** 1989 (Strat.)
A synthesis of the Norwegian Sea biostratigraphies; ODP Leg 104 on QUAT.;TERT.
the Vøring Plateau. Atlantic N.
In: Eldholm, O., Thiede, J., et al., Proc. Sci. Res., ODP, vol. 104, pp.
777-826, 8 figs., 3 tb.

- 5 **GRESHAM, C.W.** 1986 Abst.
Cretaceous and Paleocene siliceous phytoplankton assemblages from TERT.L.
DSDP Sites 216, 214, and 208 in the Pacific and Indian Oceans. CRET.
Geol. Soc. Amer. Abstr. Progr., 18(4):290. Pacific
Indian

- 6 **HAJOS, A.** 1974 (Syst.)
Late Cretaceous Archaeomonadaceae and Silicoflagellatae from the Strat.
South Pacific Ocean, DSDP Leg 29, Site 275. CRET.U.
In: Kennett, J.P., Houtz, R.E., et al., Init. Reps. DSDP, vol. 29, pp. Pacific S.
913-1011, 40 pls., 21 figs., 4 tbs.

- 7 **HAJOS, A.** 1976 (Syst.)
Upper Eocene and Lower Oligocene Diatomaceae, Archaeomonadaceae Strat.
and Silicoflagellatae in southwestern Pacific sediments, DSDP Leg 29. TERT.L.
In: Hollister, C.D., Craddock, C., et al., Init. Reps. DSDP, vol. 35, pp. Pacific S.
817-883, 25 pls., 4 figs., 2 tbs.

- 8 **HAJOS, A., & STRADNER, H.** 1975 Syst.
Late Cretaceous Archaeomonadaceae, Diatomaceae, and Silicoflagelli- Strat.
atae from the South Pacific ocean. CRET.U.
In: Kennett, J.P., Houtz, R.E., et al., Init. Reps., DSDP, vol. 29, pp. Pacific S.
913-1109, 40 pls., 21 figs., 4 tbs.

E19

- | | | | |
|---|--|------|--|
| 1 | HANNA, G.D.
Fossil diatoms from the Pribilof Islands, Bering Sea, Alaska.
Calif. Acad. Sci., Proc., 37(5):167-233, 105 figs. | 1970 | Syst.
Pacific N. |
| 2 | HAQ, B.U.
Silicoflagellates and ebridians.
In: Haq, B.U. & Boersma, A. (eds.), Introduction to marine micropaleontology, Elsevier, New York, pp. 267-275, 14 figs. | 1977 | Overview |
| 3 | HARWOOD, D.M.
Seymour siliceous microfossil biostratigraphy.
Geol. Soc. Amer. Abstr. Prog., 18(4):292. | 1986 | Abst.
Strat.
TERT.
Antarctic |
| 4 | HARWOOD, D.M.
Diatoms.
In: Antarctic Cenozoic history from the MSSTS-1 drillhole, McMurdo Sound, DSIR Bull., 237:69-108, 8 pls., 10 figs., 2 tbs. | 1986 | (Syst.)
Ecol.
QUAT.;TERT.
Antarctic |
| 5 | HARWOOD, D.M.
Recycled siliceous microfossils from the Sirius Formation.
Antarctic J. of U.S., 21(5):101-103, 8 figs. | 1986 | TERT.
Antarctic |
| 6 | HARWOOD, D.M.
Upper Cretaceous and Lower Paleocene diatoms and silicoflagellate biostratigraphy of Seymour Island, eastern Antarctic Peninsula.
In: Feldmann, R.M., & Woodburne, M.D., (eds.), Antarctic Geology and paleoecology of Seymour Island, Antarctic Peninsula. Geol. Soc. Amer. Memoir 169, pp. 55-129, 16 pls., 8 figs., 6 tbs. | 1988 | (Syst.)
Strat.
TERT.L.
CRET.U. |
| 7 | HARWOOD, D.M.
Siliceous microfossils.
In: Cenozoic history from the CIROS-1 drillhole, McMurdo Sound. DSIR Bull., 245:67-97, 6 pls., 2 figs., 3 tbs. | 1989 | (Syst.)
Overview
Antarctic |
| 8 | HARWOOD, D.M., SCHERER, R.P., & WEBB, P.-N.
Multiple Miocene marine productivity events in West Antarctica as recorded in upper Miocene sediments beneath the Ross Ice Shelf (Site J-9).
Mar. Micropal., 15:91-115, 4 pls., 3 figs., 3 tbs. | 1989 | (Syst.)
Ecol.
TERT.U.
Antarctic |
| 9 | HAY, W.W.
Significance of paleontologic results of DSDP Legs 1 through 9.
Amer. Assoc. Petr. Geol. Bull., 57(1):55-62. | 1973 | Overview |

E20

- | | | | |
|----|--|------|--|
| 1 | HAYES, D.E., FRANKS, L.A., ET AL.
Site 264.
Init. Repts., DSDP, vol. 28, pp. 19-48. | 1975 | Strat.
TERT.L.
Indian |
| 2 | HAYES, D.E., FRANKS, L.A., ET AL.
Site 266.
Init. Repts., DSDP, vol. 28, pp. 81-126. | 1975 | Strat.
TERT.
Indian |
| 3 | HAYES, D.E., FRANKS, L.A., ET AL.
Site 269.
Init. Repts., DSDP, vol. 28, pp.179-210. | 1975 | Strat.
TERT.
Indian |
| 4 | HAYES, D.E., FRANKS, L.A., ET AL.
Site 274.
Init. Repts., DSDP, vol. 31, pp. 369-433. | 1975 | Strat.
QUAT.;TERT.
Pacific S. |
| 5 | HAYS, J.D., SAITO, T., OPDYKE, N.D., & BURCKLE, L.H.
Plio-Pleistocene sediments of the equatorial Pacific: their paleomag-
netic, biostratigraphic, and climatic record.
Geol. Soc. Amer. Bull., 80:1481-1514, 1 pl., 16 figs., 4 tbs. | 1969 | Strat.;Ecol.
QUAT.
TERT.U.
Pacific C. |
| 6 | HOENSTINE, R.
A biostratigraphic investigation of the Hawthorn Formation along
Florida's east coast.
Geol. Soc. Amer. Abstr. Prog., 15(2):60. | 1983 | Abst.
Strat.
TERT.U.
America N. |
| 7 | HOLLISTER, C.D., CRADDOCK, C., ET AL.
Site 322.
Init. Repts., DSDP, vol. 35, pp. 25-61. | 1976 | Strat.
TERT.U.
Pacific S. |
| 8 | HOLLISTER, C.D., CRADDOCK, C., ET AL.
Site 324.
Init. Repts., DSDP, vol. 35, pp. 127-156. | 1976 | Strat.
QUAT.;TERT.
Pacific S. |
| 9 | HOLLISTER, C.D., CRADDOCK, C., ET AL.
Site 325.
Init. Repts., DSDP, vol. 35, pp. 157-193. | 1976 | Strat.
TERT.
Pacific S. |
| 10 | HOPKINS, D.M., SCHOLL, D.W., ADDICOTT, W.O., ET AL.
Cretaceous, Tertiary, and Early Pleistocene rocks from the continental
margin in the Bering Sea.
Geol. Soc. Amer. Bull., 80:1471-1480, 2 pls., 2 figs., 6 tbs. | 1969 | QUAT.
TERT.
CRET.
Pacific N. |
| 11 | HURD, D.C.
Factors affecting the solution rate of biogenic opal in seawater.
Earth Planet. Sci. Letters, 15(4):411-417, 3 figs., 2 tbs. | 1972 | Diag. |

E21

- | | | | |
|----|--|------|-------------------------------------|
| 1 | IGNATIADES, L.
The relationship of the seasonality of silicoflagellates to certain environmental factors.
<i>Botanica Mar.</i> , 13:44-46, 1 fig., 1 tb. | 1970 | Ecol. |
| 2 | INGLE, J.C., Jr., KARIG, D.E., ET AL.
Site 296.
<i>Init. Repts., DSDP</i> , vol. 31, pp. 191-274. | 1975 | Strat.
QUAT.
Pacific N. |
| 3 | INGLE, J.C., Jr., KARIG, D.E., ET AL.
Site 297.
<i>Init. Repts., DSDP</i> , vol. 31, pp. 275-316. | 1975 | Strat.
QUAT.
Pacific N. |
| 4 | INGLE, J.C., Jr., KARIG, D.E., ET AL.
Site 298.
<i>Init. Repts., DSDP</i> , vol. 31, pp. 317-350. | 1975 | Strat.
QUAT.
Pacific N. |
| 5 | INGLE, J.C., Jr., KARIG, D.E., ET AL.
Site 299.
<i>Init. Repts., DSDP</i> , vol. 31, pp. 351-402. | 1975 | Strat.
QUAT.;TERT.
Pacific N. |
| 6 | INGLE, J.C., Jr., KARIG, D.E., ET AL.
Site 300.
<i>Init. Repts., DSDP</i> , vol. 31, pp. 403-407. | 1975 | Strat.
QUAT.
Pacific N. |
| 7 | INGLE, J.C., Jr., KARIG, D.E., ET AL.
Site 301.
<i>Init. Repts., DSDP</i> , vol. 31, pp. 409-437. | 1975 | Strat.
QUAT.;TERT.
Pacific N. |
| 8 | INGLE, J.C., Jr., KARIG, D.E., ET AL.
Site 302.
<i>Init. Repts., DSDP</i> , vol. 31, pp. 439-468. | 1975 | Strat.
QUAT.;TERT.
Pacific N. |
| 9 | JENDRZEJEWSKI, J.P., & ZARILLO, G.A.
Late Pleistocene paleotemperatures: silicoflagellate and foraminiferal frequency changes in a subantarctic deep-sea core.
<i>Antarctic J. of U.S.</i> , 6:178-179, 1 fig. | 1971 | Syst.
Ecol.
QUAT.
Southern |
| 10 | JENDRZEJEWSKI, J.P., & ZARILLO, G.A.
Late Pleistocene paleotemperature oscillations defined by silicoflagellate changes in a sub-antarctic deep-sea core.
<i>Deep-Sea Res.</i> , 19(4):327-329, 2 figs. | 1972 | Syst.
Ecol.
QUAT.
Southern |
| 11 | JERKOVIĆ, L.
Les nouvelles recherches de la superficie du squelette des silicoflagellides. (New research on the surface of silicoflagellate skeletons.)
<i>God. Biol. Inst. Univ. Sarajevu</i> 22:129-176, 28 pls.
(In French) | 1969 | (Syst.)
Morph. |

- 1 **JERKOVIČ, L.** 1971 (Syst.)
Tendances évolutives de l'ultrastructure superficielle du squelette des silicoflagellides (Crétace-Recent). (Evolutionary tendencies of the superficial ultrastructure of silicoflagellate skeletons (Cretaceous-Recent).
In: Farinacci, A., (ed.), Proc. II Plank. Conf. Roma, 1970. Edizioni Tecnoscienza vol. 1, Rome, pp. 659-662, 6 figs.
(In French) Evol. Morph. QUAT. TERT. CRET.
- 2 **JERKOVIČ L., & KOVACIC, D.** 1970 Living
Les silicoflagellides de la mer Adriatique (Expedition "Hvar", 1948--1949). (Silicoflagellates of the Adriatic Sea (Expedition "Hvar". 1948-1949).
God., Biol. Inst. Univ. Sarajevu, 23:19-26.
(In French) Mediterr.
- 3 **JOHNSON, T.C.** 1976 Diag.
Controls on the preservation of biogenic opal in sediments in the eastern tropical Pacific.
Science, 192(4242):887-890, 2 figs. Pacific C.
- 4 **JOUSE, A.P.** 1971 (Syst.)
Diatoms in Pleistocene sediments from the North Pacific Ocean.
In: Funnell, B.M., & Riedel, W.R., (eds.), The Micropaleontology of Oceans, Cambridge Univ. Press, Cambridge, pp. 407-421, 3 pls., 7 figs. QUAT. Pacific N.
- 5 **JUILLET, A., LABEYRIE, L.D., & SCHRADER, H.** 1983 Isot.
Oxygen isotope composition of diatom silica and silicoflagellate assemblage changes in the Gulf of California; a 700-year upwelling study.
In: Thiede, J., & Suess, E., (eds.), Coastal upwelling, its sediment record, Part B; Sediment records of ancient coastal upwelling, Plenum Press, New York, pp. 277-293, 7 figs. Ecol. QUAT. Pacific N.
- 6 **JUILLET-LECLERC, A., & SCHRADER, H** 1987 Ecol.
Variations of upwelling intensity recorded in varved sediments from the Gulf of California during the past 3,000 years.
Nature, 329(6135):146-149, 3 figs., 1 tb. QUAT. Pacific N.
- 7 **KEIGWIN, L.D., Jr.** 1982 Strat.
Appendix; basis for age assignments at DSDP Site 502 and 503.
In Prell, W.L., Gardner, J.V., et al., Init. Reps. DSDP, vol. 68, pp. 493-495, 2 figs., 1 tb. QUAT. TERT.U. Pacific C.

- | | | | |
|----|---|-------------|---|
| 1 | KENNETT, J.P.
The climatic and glacial record in Cenozoic sediments of the Southern Ocean.
Palaeocol. Afr., 6:59-78, 8 figs. | 1972 | Ecol.
QUAT.
TERT.
Southern |
| 2 | KENNETT, J.P.
Cenozoic biogeographic and biostratigraphic development of planktonic microfossils in the Antarctic.
Antarctic J. of U.S., 11(3):173-175. | 1976 | Strat.
Ecol.
QUAT.;TERT.
Southern |
| 3 | KENNETT, J.P.
The development of planktonic biogeography in the Southern Ocean during the Cenozoic.
Mar. Micropal., 3:301-345. 11 figs., 3 tbs. | 1978 | Ecol.
QUAT.;TERT.
Southern |
| 4 | KENNETT, J.P.
Marine geology.
Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 813 p. | 1982 | Overview |
| 5 | KENNETT, J.P., HOUTZ, R.E., ET AL.
Site 275.
Init. Repts., DSDP, vol. 29, pp. 19-35. | 1975 | Strat.
CRET.U.
Pacific S. |
| 6 | KENNETT, J.P., HOUTZ, R.E., ET AL.
Site 280.
Init. Repts., DSDP, vol. 29, pp. 225-271. | 1975 | Strat.
TERT.L.
Pacific S. |
| 7 | KENNETT, J.P., HOUTZ, R.E., ET AL.
Site 281.
Init. Repts., DSDP, vol. 29, pp. 271-316. | 1975 | Strat.
QUAT.;TERT.
Pacific S. |
| 8 | KENNETT, J.P., HOUTZ, R.E., ET AL.
Site 283.
Init. Repts., DSDP, vol. 29, pp. 365-402. | 1975 | Strat.
TERT.L.
Pacific S. |
| 9 | KING, R., & DUNN, D.A.
Late Cenozoic biostratigraphy and paleotemperature analysis; south-eastern Pacific Ocean.
Mississippi Acad. Sci., J., 33, p. 50. | 1988 | Abst.;Ecol.
Strat.
QUAT.
TERT.U.
Pacific S. |
| 10 | KITCHELL, J.A.
Paleocene paleoproductivity in the central Arctic; evidence from siliceous phytoplankton.
Geol. Soc. Amer. Abstr. Prog., 11(7):458. | 1979 | Abst.
Ecol.
TERT.L.
Arctic |
| 11 | KOURSE, L.D.
Silicoflagellate biostratigraphy of upper Monterey and lower Sisquoc Formations, Lompoc, California.
Amer. Assoc. Petr. Geol. Bull., 66(10):1693. | 1982 | Abst.
Strat.
TERT.U.
America N. |

E24

- 1 **KOZLOVA, O.G.** 1971 Living
The main features of diatom and silicoflagellate distribution in the Indian Ocean.
In: Funnell, B.M., & Riedel, W.R., (eds.), *The Micropalaeontology of Oceans*, Cambridge Univ. Press, Cambridge, pp. 271-275, 2 figs.
- 2 **LANGE, C.B., & MOSTAJO, E.L.** 1985 Living
Phytoplankton (diatoms and silicoflagellates) from the southwestern Atlantic Ocean.
Botanica Mar., 28(11):469-476, 1 fig., 1 tb.
- 3 **LARSON, R.L., MOBERLY, R., ET AL.** 1975 Strat.;QUAT.
Site 303. TERT.;CRET.
Init. Repts., DSDP, vol. 32, pp. 17-43. Pacific N.
- 4 **LAZARUS, D.B., & TAKAHASHI, K.** 1987 Abst.
Ecotypic or ecophenotypic seasonal variation in silicoflagellate Ecol.
morphology? Morph.
Geol. Soc. Amer. Abstr. Prog., 19(7):742-743.
- 5 **LEADBETTER, B.S.C.** 1974 Morph.
Ultra-structural observations on nannoplankton collected from the RECENT
Coast of Yugoslavia and the Bay of Algiers. Mediterr.
Mar. Biol. Assoc. U.K., J., 54(1):179-194.
- 6 **LEADBETTER, B.S.C.** 1984 Living
Silicification of "cell walls" of certain protistan flagellates. Biol.
In: Miller, A., et al., (eds.), *Mineral phases in biology*, Phil. Trans. Royal Soc. London, Ser. B: Biol. Sci., 304(1121):529-536, 2 figs. Morph.
- 7 **LEDBETTER, M.T., & CIESIELSKI, P.F.** 1982 Southern
Bottom-current erosion along a traverse in the South Atlantic sector of the Southern Ocean.
Mar. Geol., 46(3-4):329-341, 1 tb.
- 8 **LEROY, D.O.** 1977 Overview
Economic microbiostratigraphy.
In: LeRoy, L.W., (ed.), *Subsurface geology; petroleum mining, construction*. 4th ed., Colorado School Mines, Golden, Colorado, pp. 212-233, 5 pls., 17 figs.
- 9 **LING, H.Y.** 1970 (Syst.)
Silicoflagellates from central north Pacific core sediments. Strat.
Bull. Amer. Paleontol., 58(259):85-129, 20 pls., 5 figs., 4 tbs. Pacific N.

E25

- | | | | |
|---|---|--------------------|--|
| 1 | <p>LING, H.Y.
 Occurrences of silicoflagellates from central North Pacific core.
 Amer. Assoc. Petr. Geol. Bull., 54(3):558.</p> | <p>1970</p> | <p>Abst.
 Syst.
 TERT.U.
 Pacific N.</p> |
| 2 | <p>LING, H.Y.
 Silicoflagellates and ebridians from the Shinzan Diatomaceous
 Mudstone Member of the Onnagawa. Formation (Miocene), Northwest
 Japan.
 In Farinacci, A., (ed.), Proc. II Plank. Conf. Roma, 1970. Edizioni
 Tecnoscienza vol. 2, Rome, pp. 689- 703, 2 pls., 3 figs.</p> | <p>1971</p> | <p>(Syst.)
 Strat.
 TERT U.
 Asia E.</p> |
| 3 | <p>LING, H.Y.
 Upper Cretaceous and Cenozoic silicoflagellates and ebridians.
 Bull. Amer. Paleontol., 62(273):135-229, 32 pls., 7 figs.</p> | <p>1972</p> | <p>Syst.
 QUAT.
 TERT.
 CRET.</p> |
| 4 | <p>LING, H.Y.
 Silicoflagellates and ebridians from Leg 19.
 In: Creager, J.S., Scholl, D.W., et al., Init. Reps., DSDP, vol. 19, pp.
 751-775, 3 pls., 4 figs., 14 tbs.</p> | <p>1973</p> | <p>(Syst.)
 Strat.
 QUAT.;TERT.
 Pacific N.</p> |
| 5 | <p>LING, H.Y.
 Silicoflagellates and ebridians from Leg 31.
 In: Karig, D.E., Ingle, J.C., Jr., et al., Init. Reps., DSDP, vol 31, pp.
 763-777, 2 pls., 6 figs., 7 tbs.</p> | <p>1975</p> | <p>(Syst.)
 Strat.
 QUAT.;TERT.
 Pacific N.</p> |
| 6 | <p>LING, H.Y.
 Distribution and biostratigraphic significance of <i>Dictyocha subarctios</i>
 (Silicoflagellata) in the North Pacific.
 Trans. Proc. Palaeontol. Soc. Japan, New Series, No. 101, pp.
 264-270.</p> | <p>1976</p> | <p>Syst.
 Strat.
 TERT.
 Pacific N.</p> |
| 7 | <p>LING, H.Y.
 Silicoflagellates and ebridians from Leg 55.
 In: Jackson, E.D., Koizumi, I, et al., Init. Reps., DSDP, vol. 55, pp.
 375-385, 2 pls., 12 figs., 5 tbs.</p> | <p>1980</p> | <p>(Syst.)
 Strat.
 QUAT.;TERT.
 Pacific N.</p> |
| 8 | <p>LING, H.Y.
 <i>Crassicorbisema</i>, a new silicoflagellate genus from the Southern
 Oceans and Paleocene silicoflagellate zonation.
 Trans. Proc. Palaeontol. Soc. Japan. New Series No. 121, pp. 1-13, 1
 pl., 1 fig., 1 tb.</p> | <p>1981</p> | <p><u>Syst.</u>
 <u>Strat.</u>
 TERT.L.
 S. Hemisph.</p> |
| 9 | <p>LING, H.Y.
 Early Paleogene silicoflagellates and ebridians from the Arctic Ocean.
 Trans. Proc. Palaeontol. Soc. Japan. New Series No. 138, pp. 79-93,
 13 pls., 1 fig., 1 tb.</p> | <p>1985</p> | <p>Syst.
 TERT.L.
 Arctic</p> |

E26

- 1 **LING, H.Y.** 1985 (Syst.)
Paleogene silicoflagellates and ebridians from the Goban Spur, northeastern Atlantic.
Strat.
TERT.L.
Atlantic N.
In: de Graciansky, P.C., Poag, C.W., et al., Init. Reps., DSDP, vol. 80, pt. 1, pp. 663-668, 2 pls., 2 figs., 1 tb.
- 2 **LING, H.Y., & KURIHARA, K.** 1972 (Syst.)
Radiolaria and silicoflagellates from the Hayama Group, Kanagawa Prefecture, Japan.
Strat.
TERT.U.
Asia E.
Acta Geol. Taiwanica, 15:31-40, 1 pl., 1 fig., 1 tb.
- 3 **LING, H.Y., & MCPHERSON, L.M.** 1976 (Syst.)
Silicoflagellates and ebridians from the Nadaura area, Noto Peninsula, Japan.
Strat.
TERT.U.
Asia E.
In: Takayanagi, Y., & Saito, T., (eds.), Progress in Micropaleontology, Micropaleontology Press, New York, pp. 160-168, 1 pl., 2 figs., 1 tb.
- 4 **LING, H.Y., & STADUM, C.J.** 1970 Tech.
An evaluation of the Nomarski system for the study of siliceous microskeletons.
J. Paleo., 44(4):781-784, 1 fig.
- 5 **LING, H.Y., & TAKAHASHI, K.** 1985 Syst.
The silicoflagellate genus *Octactis* Schiller 1925; a synonym of the genus *Distephanus*.
Micropal., 31(1):76-81, 2 pls.
- 6 **LING, H.Y., & WHITE, R.J.** 1979 (Syst.)
Silicoflagellate *Mesocena pappii* identified in RISP Site J-9 core sediments.
Strat.
TERT.U.
Antarctic
Antarctic J. of U.S., 14(5):126-127, 1 fig.
- 7 **LING, H.Y., MCPHERSON, L.M., & CLARK, D.L.** 1973 Strat.
Late Cretaceous (Maestrichtian?) silicoflagellates from the Alpha Cordillera of the Arctic Ocean.
CRET.U.
Arctic
Science, 180:1360-1361, 2 figs.
- 8 **LIPPS, J.H.** 1970 Evol.
Plankton evolution.
Overview
Evolution, 24:1-22.
- 9 **LIPPS, J.H.** 1970 Evol.
Ecology and evolution of silicoflagellates.
Ecol.
Proc. North Amer. Paleo. Conv., 1969, part G, pp. 965-993, 11 figs., 3 tbs.
- 10 **LISITZIN, A.P.** 1971 Living
Distribution of siliceous microfossils in suspension and in bottom sediments.
QUAT.
In: Funnell, B.M., & Riedel, W.R., (eds.), The Micropaleontology of Oceans, Cambridge Univ. Press, Cambridge, pp. 173-195, 18 figs., 4 tbs.

E27

- | | | | |
|---|--|-------------|---|
| 1 | LOCKER, S., & MARTINI, E.
Silicoflagellates and some sponge spicules from the SW Pacific, DSDP Leg 90.
In: Kennett, J.P., et al., Init. Repts., DSDP, vol. 90, pp. 887-924, 13 pls., 3 figs., 5 tbs. | 1986 | Strat.;Syst.
QUAT.
TERT.
Pacific S. |
| 2 | LOCKER, S., & MARTINI, E.
Silicoflagellaten aus einigen russischen Paläogen-Vorkommens (Silicoflagellates from some Russian Paleogene localities).
Secken. Lethaea, 68(1-4):21-67, 7 pls., 4 figs., 23 tbs.
(In German with Russian and English summaries) | 1987 | Strat.;Syst.
TERT.L.
Europe E. |
| 3 | LOCKER, S., & MARTINI, E.
Cenozoic silicoflagellates, ebridians, and actiniscidians from the Vøring Plateau (ODP Leg 104).
In: Eldholm, O., Thiede, J., et al., Proc. Sci. Results, ODP, vol. 104, pp. 543-585, 9 pls., 8 figs., 4 tbs. | 1989 | Strat.;Syst.
QUAT.
TERT.
Atlantic N. |
| 4 | MALIVA, R.G., KNOLL, A.H., & SIEVER, R.
Secular change in chert distribution: a reflection of evolving biological participation in the silica cycle.
Palaios, 4(6):519-532, 3 figs., 3 tbs. | 1989 | Biol. |
| 5 | MANDRA, Y.T.
Silicoflagellates from the Cretaceous, Eocene, and Miocene of California, U.S.A.
Proc. Calif. Acad. Sci., ser. 4, vol. 36, pp. 231-277, 83 figs., 7 tbs. | 1968 | (Syst.)
Strat.
TERT.
CRET.
America N. |
| 6 | MANDRA, Y.T.
Silicoflagellates: a new tool for the study of Antarctic Tertiary climates.
Antarctic J. of U.S., 4(5):172-174, 4 figs. | 1969 | (Syst.)
Ecol.
TERT.
Antarctic |
| 7 | MANDRA, Y.T.
A new genus of silicoflagellata from an Eocene South Atlantic deep-sea core (Protozoa: Mastigophora).
Occas. Paper Calif. Acad. Sci., 77, pp. 1-7, 7 figs. | 1969 | <u>Syst.</u>
TERT.L.
Atlantic S. |
| 8 | MANDRA, Y.T.
Plate tectonics, paleomagnetism, tropical climate, and Upper Eocene silicoflagellates.
Antarctic J. of U.S., 7(5):191-193, 2 figs. | 1972 | Ecol.
TERT.L. |
| 9 | MANDRA, Y.T., & MANDRA, H.
Tropical Eocene silicoflagellates from a locality (13 degrees) North of Antarctica.
Geol. Soc. Amer. Abstr. Prog., part 3, p. 40. | 1969 | Abst.
Syst.
TERT.L.
Southern |

E28

- | | | | |
|----|---|------|--|
| 1 | MANDRA, Y.T., & MANDRA, H.
Antarctic Tertiary marine climate based on silicoflagellates.
Antarctic J. of U.S., 5(5):178-180, 3 figs. | 1970 | Syst.
Ecol.
TERT.
Southern |
| 2 | MANDRA, Y.T., & MANDRA, H.
Upper Eocene silicoflagellates from New Zealand.
Antarctic J. of U.S., 6(5):177-178, 2 figs., 2 tbs. | 1971 | Syst.;Strat.
TERT.L.
Australasia |
| 3 | MANDRA, Y.T., & MANDRA, H.
Paleoecology and taxonomy of silicoflagellates from an upper Miocene diatomite near San Felipe, Baja California, Mexico.
Occas. Paper Calif. Acad. Sci., 99:1-35, 48 figs., 1 tb. | 1972 | Syst.
Ecol.
TERT.U.
America N. |
| 4 | MANDRA, Y.T., BRIGGER, A.L., & MANDRA, H.
Chemical extraction techniques to free fossil silicoflagellates from marine sedimentary rocks.
Proc. Calif. Acad. Sci., 39:273-284, 3 figs. | 1973 | Tech. |
| 5 | MANDRA, Y.T., BRIGGER, A.L., & MANDRA, H.
Preliminary report on a study of fossil silicoflagellates from Oamaru, New Zealand.
Occas. Paper Calif. Acad. Sci., 107, 11 p., 1 tb. | 1973 | Strat.
TERT.L.
Australasia |
| 6 | MANDRA, Y.T., BRIGGER, A.L., & MANDRA, H.
Temperature fluctuations during the Late Eocene in Southern Ocean waters near South Island, New Zealand.
Antarctic J. of U.S., 8(5):282-284, 3 figs., 1 tb. | 1973 | Syst.
Ecol.
TERT.L.
Southern |
| 7 | MANDRA, Y.T., BRIGGER, A.L., & MANDRA, H.
Late Eocene temperatures indicated by silicoflagellates from the Oamaru diatomite, New Zealand.
Antarctic J. of U.S., 9(5):265-266, 4 figs., 1 tb. | 1974 | Syst.
Ecol.
TERT.L.
Australasia |
| 8 | MANDRA, Y.T., BRIGGER, A.L., & MANDRA, H.
New silicoflagellate ultrastructures; nannocones and solution cavities.
Antarctic J. of U.S., 14(5):33-34. | 1979 | Morph. |
| 9 | MANDRA, Y.T., BRIGGER, A.L., MANDRA, H., & PIERCE, D.
Surface ultrastructure and morphology of the late Eocene silicoflagellate, <i>Hannaites quadria</i> .
Antarctic J. of U.S., 10(5):263-265, 3 figs. | 1975 | (Syst.)
Morph.
TERT.L. |
| 10 | MANDRA, Y.T., BRIGGER, A.L., MANDRA, H., ET AL.
Morphologic variations in <i>Hannaites</i> , a Paleogene silicoflagellate.
Antarctic J. of U.S., 11(3):178-182, 9 figs. | 1976 | Syst.
Morph.
TERT.L. |

- 1 **MARTINI, E.** 1971 (Syst.)
Neogene silicoflagellates from the equatorial Pacific.
In: Winterer, E.L., Riedel, W.R., et al., Init. Repts., DSDP, vol. 7, part 2,
pp. 1695-1708, 1 pl., 3 figs., 4 tbs. Strat.
QUAT.
TERT.
Pacific C.
- 2 **MARTINI, E.** 1972 Strat.
Silicoflagellate zones in the late Oligocene and Early Miocene of TERT.
Europe. Europe
Secken. Lethaea, 53(1/2):119-122, 4 figs.
- 3 **MARTINI, E.** 1974 Strat.
Silicoflagellate zones in the Eocene and Early Oligocene. TERT.L.
Secken. Lethaea, 54(5/6):527-532, 1 fig.
- 4 **MARTINI, E.** 1976 (Syst.)
Neogene and Quaternary silicoflagellates from the central Pacific Ocean Strat.
(DSDP Leg 33). QUAT.
In: Schlanger, S., Jackson, E., et al., Init. Repts., DSDP, vol. 33, pp. TERT.
439-449, 2 pls., 3 figs., 2 tbs. Pacific C.
- 5 **MARTINI, E.** 1977 Strat.
Systematics, distribution, and stratigraphical applications of silicoflage- Syst.
llates.
In: Ramsay, A.T.S., (ed.), Oceanic micropalaeontology, vol. 2.
Academic Press, London, pp. 1327-1343, 2 pls., 5 figs.
- 6 **MARTINI, E.** 1981 Syst.
Silicoflagellaten im Paleogen von Norddeutschland. (Paleogene Strat.
silicoflagellates of North Germany). TERT.L.
Secken. Lethaea, 62:279-283, 1 pl., 1 fig., 1 tb. Europe W.
- 7 **MARTINI, E.** 1982 (Syst.)
Pliocene and Quaternary diatoms, silicoflagellates, sponge spicules and Strat.
endoskeletal dinoflagellates from the Philippine Sea, DSDP Legs 59 and QUAT.
60. TERT.U.
In: Husong, D.M., Uyeda, S., et al., Init. Repts., DSDP, vol. 60, pp. Pacific C.
565-574, 4 pls., 1 fig., 1 tb.
- 8 **MARTINI, E.** 1990 Syst.
Tertiary and Quaternary silicoflagellates, actiniscidians, and ebridians Strat.
from the Eastern Pacific off Peru. QUAT.;TERT.
In: Suess, E., von Huene, R., et al., Proc. Sci. Res. ODP, vol. 112, pp. Pacific C.
157-173, 5 pls., 2 figs., 4 tbs.
- 9 **MARTINI, E., & MULLER, C.** 1976 Strat.
Calcareous nannoplankton and silicoflagellates from the type Ottna- TERT U.
ngian and equivalent strata in Austria. Europe W.
Proc. Congr.-Reg. Comm. Neogene Strat., Int. Union Geol. Sci., Mediterr.
6:121-124.

E30

- | | | | |
|---|---|------|--|
| 1 | MARTINI, E., & MÜLLER, C.
Eocene to Pleistocene silicoflagellates from the Norwegian-Greenland Sea (DSDP Leg 38).
In: Talwani, M., Udintsev, G., et al., Init. Reps., DSDP, vol. 38, pp. 857-895, 12 pls., 3 figs., 5 tbs. | 1976 | <u>Syst.</u>
Strat.
QUAT.;TERT.
Atlantic N. |
| 2 | MATHERNE, A.M., SCHRADER, H., & MURRAY, D.
Major paleoclimatological changes in the central Gulf of California over the last 300,000 years; a silicoflagellate study.
EOS, 61(46):982-983. | 1980 | Abst.
Ecol.
QUAT.
Pacific N. |
| 3 | MATHUR, K.
Silicoflagellates, diatoms, and other fossils from Outram Island, Andaman Sea, Andaman, India.
Geoscience J., 2(1):31-41, 3 pls. | 1981 | RECENT
QUAT.
Asia S. |
| 4 | MCCARTNEY, K.
SILICO; a computer program for the three-dimensional measurement of silicoflagellate skeletons.
Computers & Geosciences, 14(1):99-111. | 1988 | Morph.
Tech. |
| 5 | MCCARTNEY, K., & LOPER, D.E.
Mathematical modelling of silicoflagellate skeletal morphology.
Geol. Soc. Amer. Abstr. Prog., 19(7):763-764. | 1987 | Abst.
Morph.
Tech. |
| 6 | MCCARTNEY, K., & LOPER, D.E.
Optimized skeletal morphologies of the silicoflagellate genera <i>Dictyochoa</i> and <i>Distephanus</i> .
Paleobiology, 15(3):283-298. | 1989 | Morph. |
| 7 | MCCARTNEY, K., & WISE, S.W., Jr.
Silicoflagellates and ebridians from the New Jersey Transect, DSDP Leg 93, Sites 604 and 605.
In: van Hinte, J.E., et al., Init Reps., DSDP, vol. 93, part 2, pp. 801-814, 5 pls., 2 figs., 3 tbs. | 1987 | Syst.
Strat.
TERT.
Atlantic N. |
| 8 | MCCARTNEY, K. & WISE, S.W., Jr.
Cenozoic silicoflagellates and ebridians from ODP Leg 113: biostratigraphy and notes on morphologic variability.
In: Barker, P.F., Kennett, J.P., et al., Proc. Sci. Res., ODP, vol. 113, pp. 729-760, 7 pls., 6 figs., 11 tbs. | 1990 | <u>Syst.</u>
Strat.
Morph.
QUAT.
TERT.
Southern |
| 9 | MCCARTNEY, K., WISE, S.W., Jr., HARWOOD, D.M. & GERSONDE, R.
Enigmatic Lower Albian silicoflagellates from ODP Site 693: progenitors of the Order Silicoflagellata?
In: Barker, P.F., Kennett, J.P., et al., Proc Sci. Res., ODP, vol. 113, pp. 427-442, 8 pls., 5 figs. | 1990 | <u>Syst.</u>
Strat.
CRET.L.
Evol.
Southern |

E31

- | | | | |
|---|---|------|---|
| 1 | MCGRORY, C.B., & LEADBETTER, B.S.C.
Ultrastructure and deposition of silica in the Chrysophyceae.
In: Simpson, T.L., and Volcani, B.E., (eds.), Silicon and siliceous structures in biological systems, pp. 201-230, 48 figs. | 1981 | Morph.
Biol. |
| 2 | MCPHERSON, L.M., & LING, H.Y.
Surface microstructure of selected silicoflagellates.
Micropal., 19(4):475-480, 2 pls. | 1973 | (Syst.)
Morph. |
| 3 | MOSHKOVITZ, S., & EHRLICH, A.
On the occurrence of siliceous microorganisms (Radiolaria, diatoms, silicoflagellates, etc.) in the Eocene beds (Zor'a Formation) of Israel.
Israel Geol. Soc., p. 30. | 1980 | Abst.
TERT.L.
Asia SW. |
| 4 | MOSHKOVITZ, S., EHRLICH, A., & SOUDRY, D.
Siliceous microfossils of the Upper Cretaceous Mishash Formation, central Negev, Israel.
Cret. Res., 4(3):173-194, 8 figs. | 1983 | Strat.
CRET.U.
Asia SW. |
| 5 | MÜLLER, C.
Review of stratigraphic events and radiometric dates at the Paleogene/-Neogene boundary; calcareous nannoplankton and silicoflagellates.
In: Cati, F., (ed.), In search of the Paleogene/Neogene stratotype boundary; I, Potential boundary stratotype sections in Italy and Greece and a comparison with results from the deep sea, Giorn. Geol., 44(1-2):33-38, 1 fig., 1 tb. | 1981 | Strat.
TERT.
Europe |
| 6 | MÜLLER, C.
Miocene to Pleistocene silicoflagellates from the central North Pacific, DSDP Leg 62.
In: Thiede, J., Vallier, T.L., et al., Init. Reps., DSDP, vol. 62, pp. 361-164, 2 figs., 1 tb. | 1981 | Syst.
Strat.
QUAT.
TERT.U.
Pacific N. |
| 7 | MUKHINA, V.V.
Problems of diatom and silicoflagellate Quaternary stratigraphy in the equatorial Pacific Ocean.
In: Funnell, B.M., & Riedel, W.R., (Eds.), The Micropaleontology of Oceans, Cambridge Univ. Press, Cambridge, pp. 423-431, 3 figs. | 1971 | Syst.
Strat.
QUAT.
Pacific C. |
| 8 | MUKHINA, V.V.
Species composition of the Late Paleocene diatoms and silicoflagellates in the Indian Ocean.
Micropal., 22(2):151-158, 2 pls., 1 fig., 2 tbs. | 1976 | (Syst.)
TERT.L.
Indian |

E32

- 1 **MURRAY, D., & SCHRADER, H.** 1983 Living
Distribution of silicoflagellates in plankton and core top samples from QUAT.
the Gulf of California. Pacific N.
Mar. Micropal., 7(6):517-539, 5 figs., 2 tbs.
- 2 **NAVARRETTE, R.J., MAROLT, R.E., & FINGER, K.L.** 1986 Abst.
Neogene diatom and silicoflagellate biostratigraphy of Naples Beach, Strat.
California. QUAT.;TERT.
Amer. Assoc. Petrol. Geol. Bull., 70(4):474. America N.
- 3 **NELSON, C.O., & CASEY, R.E.** 1986 Tech.
Siliceous microfossil extraction from altered Monterey rocks. TERT.U.
In: Caey, R.E., (ed.), Siliceous microfossil and microplankton of the America N.
Monterey Formation and modern analogs. Field Trip Guidebook-Pacific
Section SEPM, 45:91-96.
- 4 **OLSON, D.L., LARSON, J.A., & TURNER, R.F.** 1987 Strat.
Biostratigraphy. Pacific N.
In: Turner, R.F., (ed.), Geological and operational summary, Kodiak
Shelf stratigraphic test wells, western Gulf of Alaska, Rep. No. MMS
87-0109, pp. 139-191.
- 5 **ORR, W.N.** 1972 (Syst.)
Pacific northwest siliceous phytoplankton. Strat.
Palaeogeogr., Palaeoecol., Palaeoclim., 12(1-2):95-114, 3 pls., 4 figs., TERT.U.
3 tbs. America N.
- 6 **OSBORN, N.I., CIESIELSKI, P.F., & LEDBETTER, M.T** 1983 Strat.
Disconformities and paleoceanography in the Southeast Indian Ocean QUAT.
during the past 5.4 million years. TERT.U.
Geol. Soc. Amer. Bull., 94(11):1345-1358, 8 figs. Indian
- 7 **PALMER, A.J.M.** 1980 Abst.
Paleogene siliceous microfossils from the Bermuda Rise. Syst.
Geol. Soc. Amer. Abstr. Prog., 12(7):495. TERT.L.
Atlantic N.
- 8 **PERCH-NIELSEN, K.** 1976 Syst.
New silicoflagellates and a silicoflagellate zonation in North European Strat.
Paleocene and Eocene diatomites. TERT.L.
Bull. Geol. Soc. Denmark, 25:27-40, 35 figs., 3 tbs. Europe W.
- 9 **PERCH-NIELSEN, K.** 1977 Syst.
Tertiary silicoflagellates and other siliceous microfossils from the Strat.
western South Atlantic. TERT.
In: Supko, P.R., Perch-Nielsen, K., et al., Init. Reps., DSDP, vol. 39, pp. Atlantic S.
863-867, 1 pl., 1 fig., 3 tbs.

E33

- | | | | |
|----|---|--------------------|---|
| 1 | <p>PERCH-NIELSEN, K.
 Silicoflagellates.
 In: Bolli, H., Saunders, J.B., & Perch-Nielsen, K., (eds.), Plankton Stratigraphy, Cambridge Univ. Press, Cambridge, pp. 713-762, 32 figs.</p> | <p>1985</p> | <p>Syst.
 Strat.
 Overview</p> |
| 2 | <p>PERCH-NIELSEN, K., SUPKO, P.R., ET AL.
 Site 356, Sao Paulo Plateau.
 Init. Repts., DSDP, vol. 39, pp. 141-230, 14 figs., 5 tbs.</p> | <p>1977</p> | <p>Strat.
 TERT.L.
 Atlantic C.</p> |
| 3 | <p>PERCH-NIELSEN, K., SUPKO, P.R., ET AL.
 Site 358, Argentine Basin.
 Init. Repts., DSDP, vol. 39, pp. 329-391, 15 figs., 4 tbs.</p> | <p>1977</p> | <p>Strat.
 QUAT.;TERT.
 Atlantic S.</p> |
| 4 | <p>PISIAS, N.G., MURRAY, D.W., & ROELOFS, A.K.
 Radiolarian and silicoflagellate response to oceanographic changes associated with the 1983 El Nino.
 Nature, 320(6059):259-262, 3 figs., 1 tb.</p> | <p>1986</p> | <p>Syst.
 Ecol.
 Living</p> |
| 5 | <p>PFLAKER, G., KELLER, G., NELSON, G.W., ET AL.
 Summary of data on the age of the Orca Group, Alaska.
 In: Bartsch-Winkler, S., (ed.), The U.S.G.S. in Alaska: accomplishments during 1984, Geol. Surv. Circ. No. 0967, pp. 74-76, 2 figs.</p> | <p>1985</p> | <p>Syst.
 Strat.
 TERT.L.
 America N.</p> |
| 6 | <p>POELCHAU, H.S.
 Pleistocene paleotemperature determination based on North Pacific silicoflagellates.
 AAPG-SEPM Ann. Mtg. Abstr., 2:93.</p> | <p>1975</p> | <p>Abst.;Syst.
 Ecol.
 QUAT.
 Pacific N.</p> |
| 7 | <p>POELCHAU, H.S.
 Holocene silicoflagellates of the North Pacific; their distribution and use for paleotemperature determination.
 Dissert. Abstr. Intl., 35B, pp. 4067B-4068B.</p> | <p>1975</p> | <p>Abst.
 Syst.
 Ecol.
 QUAT.
 Pacific N.</p> |
| 8 | <p>POELCHAU, H.S.
 Distribution of Holocene silicoflagellates in North Pacific sediments.
 Micropal., 22(2):164-193, 6 pls., 13 figs., 2 tbs.</p> | <p>1976</p> | <p><u>Syst.</u>
 QUAT.
 Pacific N.</p> |
| 9 | <p>POORE, R.Z., STEINMETZ, J.C., & SCHRADER, H.-J.
 Biostratigraphic summary of DSDP Leg 49.
 In: Luyendyk, B.P., Cann, J.R., et al., Init. Repts., DSDP, vol. 49, pp. 851-858, 5 figs., 1 tb.</p> | <p>1979</p> | <p>Syst.;Strat.
 QUAT.
 TERT.
 Atlantic N.</p> |
| 10 | <p>PREISIG, H.R.
 Biomineralization in the Chrysophyceae.
 In: Leadbetter, B.S.C., & Riding, R., (eds.), Bio-mineralization in lower plants and animals, pp. 327- 344, 24 figs.</p> | <p>1986</p> | <p>Biol.</p> |

E34

- 1 **RICH, J.E., JOHNSON, G.L., JONES, J.E., ET AL.** 1986 Evol.
A significant correlation between fluctuations in seafloor spreading rates and evolutionary pulsations.
Paleoceanogr., 1(1):85-95, 6 figs., 2 tbs.

- 2 **RIO, D., THUNNELL, R., SPROVIERI, R., ET AL.** 1989 Strat.
Stratigraphy and depositional history of the Pliocene Bianco section, TERT.U.
Calabria, southern Italy. Europe W.
Palaeogeogr., Palaeoecol., Palaeoclimat., 76:85-105, 10 figs., 1 tb.

- 3 **ROUND, F.E.** 1981 Syst.
Morphology and phyletic relationships of the silicified algae and the Evol.
archetypal diatom-monophyly or polyphyly. Morph.
In: Simpson, T.L., & Volcani, B.E., (eds.), *Silicon and siliceous structures in biological systems*, p. 97-128, 35 figs., 1 tb.

- 4 **RUTH, J.W.** 1971 Abst.
Late Tertiary diatoms and silicoflagellates of the California coastal area. Syst.;Strat.
Geol. Soc. Amer. Abstr. Prog., 3(2):188. TERT.U.
America N.

- 5 **SANFILIPPO, A., BURCKLE, L.H., MARTINI, E., & RIEDEL, W.R.** 1973 Syst.;Strat.
Radiolarians, diatoms, silicoflagellates and calcareous nannofossils in QUAT.
the Mediterranean Neogene. TERT.
Micropal., 19(2):209-234, 6 pls., 1 fig., 2 tbs. Mediterr.

- 6 **SAUNDERS, J.B., BERNOULLI, D., MUELLER-MERZ, E., ET AL.** 1984 (Syst.)
Stratigraphy of the late Middle Eocene to Early Oligocene in the Bath Strat.
Cliff Section, Barbados, West Indies. TERT.L.
Micropal. 30(4):390-425, 5 pls., 9 figs., 3 tbs. America C.

- 7 **SCHERER, R.P., HARWOOD, D.M., ISHMAN, S.E., & WEBB, P-N.** 1988 Syst.
Micropaleontological analysis of sediments from the Crary Ice Rise, Strat.
Ross Ice Shelf. TERT.U.
Antarctic J. of U.S., 23(5):34-36, 1 fig. Southern

- 8 **SCHLANGER, S.O., JACKSON, E.D., ET AL.** 1976 Strat.
Site 316 QUAT.;TERT.
DSDP, *Init. Reps.*, vol. 33, pp. 105-159. Pacific C.

- 9 **SCHLICH, R., WISE, S.W., Jr., ET AL.** 1989 Strat.
Site 748. TERT.
ODP, *Proc. Init. Reps.*, vol. 120, pp. 157-233. Indian

E35

- | | | | |
|---|--|-------------|---|
| 1 | SCHLICH, R., WISE, S.W., Jr., ET AL.
Site 749.
ODP, Proc. Init. Reps., vol. 120, pp. 237-275. | 1989 | Strat.
TERT.L.
Indian |
| 2 | SCHLICH, R., WISE, S.W., Jr., ET AL.
Site 750.
ODP, Proc. Init. Reps., vol. 120, pp. 277-337. | 1989 | Strat.
TERT.L.
CRET.U.
Indian |
| 3 | SCHRADER, H.J.
Quaternary through Neogene history of the Black Sea; deduced from the paleoecology of diatoms, silicoflagellates, ebridians, and chryso-monads.
In: Ross, D.A., Neprochnov, Y.P., et al., Init. Reps., DSDP, vol. 42, part 2, pp. 789-901, 18 pls., 41 figs., 8 tbs. | 1978 | (Syst.)
Ecol.
QUAT.
TERT.
Mediterr. |
| 4 | SCHRADER, H.J., BJOERKLAND, K., ET AL.
Cenozoic biostratigraphy, physical stratigraphy and paleoceanography in the Norwegian-Greenland Sea, DSDP Leg 38 paleontological synthesis.
In: Talwani, M., Udintsev, G., et al., Init. Reps., DSDP, vol. 38, pp. 1197-1211, 17 figs. | 1976 | Syst.
Strat.
QUAT.;TERT.
Atlantic N. |
| 5 | SCHRADER, H. & CASTANEDA, J.C.
The Ballena and Delfin wells off central Peru: revised ages.
In: Suess, E., von Huene, R., et al., Proc. Sci. Res., ODP, vol. 112, pp. 209-215, 2 pls., 3 figs., 3 tbs. | 1990 | (Syst.)
Strat.
QUAT.
TERT.
Pacific C. |
| 6 | SCHRADER, H., & GERSONDE, R.
The late Messinian Mediterranean brackish to freshwater environment, diatom floral evidence.
In: Hsü, K.J., Montadert, L., et al., Init. Reps., DSDP, vol. 42, part 1, pp. 761-775, 3 pls., 5 figs., 3 tbs. | 1978 | (Syst.)
Ecol.
TERT.U.
Mediterr. |
| 7 | SCHRADER, H., & GERSONDE, R.
Diatoms and silicoflagellates in the eight meters section of Lower Pliocene of Capo Rosello, Sicily.
Utrecht Micropal. Bull., 17:129-176, 9 pls., 10 figs., 5 tbs. | 1978 | (Syst.)
Strat.
TERT.U.
Europe W. |
| 8 | SCHRADER, H., & MATHERNE, A.
Sapropel formation in the eastern Mediterranean Sea: evidence from preserved opal assemblages.
Micropal., 27(2):191-203, 1 pl., 4 figs., 5 tbs. | 1981 | QUAT.
Mediterr. |
| 9 | SCHRADER, H., PISIAS, N., & CHENG, G.
Seasonal variations of silicoflagellates in phytoplankton and varved sediments in the Gulf of California.
Mar. Micropal., 10(1-3):207-233, 9 figs., 6 tbs. | 1986 | Syst.
Ecol.
Living
QUAT
Pacific N. |

E36

- | | | | |
|---|---|-------------|--|
| 1 | SHAW, C.A., & CIESIELSKI, P.F.
Silicoflagellate biostratigraphy of Middle Eocene to Holocene subantarctic sediments recovered by DSDP Leg 71.
In: Ludwig, W.J., Krasheninnikov, V.A., et al., Init. Repts., DSDP, vol. 71, pp. 687-737, 20 pls., 7 figs., 8 tbs. | 1983 | <u>Syst.</u>
Strat.
QUAT.;TERT.
Atlantic S. |
| 2 | SIESSER, W.G.
Late Miocene origin of the Benguela Upwelling system off Namibia.
Science, 208(4441):283-285, 3 figs. | 1980 | Ecol.
TERT.U.
Atlantic S. |
| 3 | SLEIGH, M.
The biology of protozoa.
William Clowes & Sons, Ltd., London, 315 p. | 1973 | Biol.
Overview |
| 4 | SMAYDA, T.J.
Phytoplankton species succession.
In: Morris, I., (ed.), The physiological ecology of phytoplankton, pp. 493-570, 16 figs., 5 tbs. | 1980 | Ecol.
Living |
| 5 | SOUDRY, D., MOSHKOVITZ, S., & EHRlich, A.
Occurrence of siliceous microfossils (diatoms, silicoflagellates and sponge spicules) in the Campanian Mishash Formation, southern Israel.
Eclogae Geol. Helv. 74(1):97-107, 2 pls., 2 figs., | 1981 | (Syst.)
Strat.
CRET.U.
Asia SW. |
| 6 | SRIVASTAVA, S.K. & BINDA, P.L.
Siliceous and silicified microfossils from the Maastrichtian Battle Formation of southern Alberta, Canada.
Paleobiol. Cont., 14(1), 52 p. | 1984 | Strat.
CRET.U.
America N. |
| 7 | STADUM, C.J., & BURCKLE, L.H.
A silicoflagellate ooze from the east Falkland Plateau.
Micropal., 19(1):104-108, 1 pl., 1 fig., 1 tb. | 1973 | (Syst.)
TERT.U.
Atlantic S. |
| 8 | STADUM, C.J., & LING, H.Y.
Silicoflagellate biostratigraphic zonation of deep-sea sediments.
Amer. Assoc. Petr. Geol. Bull., 55(2):365. | 1971 | Abst.
Syst.
Strat. |
| 9 | STEINHAUFF, D.M., RENZ, M.E., HARWOOD, D.M., & WEBB, P.-N.
Miocene diatom biostratigraphy of DSDP Hole 272: Stratigraphic relationship to the underlying Miocene of DSDP Hole 270, Ross Sea.
Antarctic J. of U.S., 12(5):123-125, 1 fig. | 1987 | Syst.
Strat.
TERT.U.
Southern |

E37

- | | | | |
|----|---|------|---|
| 1 | STRADNER, H., & BACHMANN, A.
Late Pliocene and Early Pleistocene silicoflagellates and ebridians from DSDP Site 378 in the Aegean Basin, north of Crete.
In: Hsu, K., Montadert, L., et al., Init. Reps., DSDP, vol. 42, pp. 805-815, 2 pls., 2 figs., 1 tb. | 1978 | <u>Syst.</u>
Strat.
QUAT.
TERT.U.
Mediterr. |
| 2 | SUESS, E., VON HUENE, R., ET AL.
Site 679.
ODP, Proc. Init. Reps., vol. 112, pp. 159-248. | 1988 | Strat.
QUAT.
TERT.U.
Atlantic C. |
| 3 | SUESS, E., VON HUENE, R., ET AL.
Site 680.
ODP, Proc. Init. Reps., vol. 112, pp. 249-303. | 1988 | Strat.
QUAT.
TERT.U.
Atlantic C. |
| 4 | SUESS, E., VON HUENE, R., ET AL.
Site 681.
ODP, Proc. Init. Reps., vol. 112, pp. 305-362. | 1988 | Strat.
QUAT.
TERT.U.
Atlantic C. |
| 5 | SUESS, E., VON HUENE, R., ET AL.
Site 682.
ODP, Proc. Init. Reps., vol. 112, pp. 363-435. | 1988 | Strat.
QUAT.;TERT.
Atlantic C. |
| 6 | SUESS, E., VON HUENE, R., ET AL.
Site 683.
ODP, Proc. Init. Reps., vol. 112, pp. 437-523. | 1988 | Strat.
QUAT.;TERT.
Atlantic C. |
| 7 | SUESS, E., VON HUENE, R., ET AL.
Site 684.
ODP, Proc. Init. Reps., vol. 112, pp. 525-595. | 1988 | Strat.
QUAT.
TERT.U.
Atlantic C. |
| 8 | SUESS, E., VON HUENE, R., ET AL.
Site 685.
ODP, Proc. Init. Reps., vol. 112, pp. 597-704. | 1988 | Strat.
QUAT.
TERT.U.
Atlantic C. |
| 9 | SUESS, E., VON HUENE, R., ET AL.
Site 686.
ODP, Proc. Init. Reps., vol. 112, pp. 705-802. | 1988 | Strat.
QUAT.
TERT.U.
Atlantic C. |
| 10 | SUESS, E., VON HUENE, R., ET AL.
Site 687.
ODP, Proc. Init. Reps., vol. 112, pp. 803-871. | 1988 | Strat.
QUAT.
TERT.U.
Atlantic C. |
| 11 | SUESS, E., VON HUENE, R., ET AL.
Site 688.
ODP, Proc. Init. Reps., vol. 112, pp. 873-1004. | 1988 | Strat.
QUAT.;TERT.U.
Atlantic C. |

E38

- 1 **TAKAHASHI, K.** 1984 Abst.;Ecol.
A comparison between silicoflagellate and radiolarian fluxes in the RECENT
Atlantic and Pacific. Pacific
-Geol. Soc. Amer. Abstr. Prog. 16(6):673. Atlantic
- 2 **TAKAHASHI, K.** 1985 Abst.
Seasonal biogenic silica flux in the Subarctic Pacific. Ecol.
Geol. Soc. Amer. Abstr. Prog., 17(7):732. RECENT
Pacific N.
- 3 **TAKAHASHI, K.** 1987 Abst.
Four-year time-series siliceous microplankton particle flux measured at Ecol.
ocean station PAPA during 1982-1986. RECENT
EOS, 68(50):1771. Pacific N.
- 4 **TAKAHASHI, K.** 1987 Ecol.
Seasonal fluxes of silicoflagellates and *Actiniscus* in the subarctic RECENT
Pacific during 1982-1984. Pacific N.
J. Mar. Res., 45(2):397-425, 2 pls., 9 figs., 5 tbs.
- 5 **TAKAHASHI, K.** 1989 Ecol.
Silicoflagellates as productivity indicators; evidence from long temporal RECENT
and spatial flux variability responding to hydrography in the north- Pacific N.
eastern Pacific.
Global Biogeochem. Cycles, 3(1):43-61, 5 tbs.
- 6 **TALWANI, M., UDINTSEV, G.B., ET AL.** 1976 Strat.
Sites 338-343. QUAT.;TERT.
DSDP, Init. Reps., vol. 38, pp. 151-387. Atlantic N.
- 7 **TALWANI, M., UDINTSEV, G.B., ET AL.** 1976 Strat.
Site 345. TERT.
DSDP, Init. Reps., vol. 38, pp. 451-519. Atlantic N.
- 8 **TALWANI, M., UDINTSEV, G.B., ET AL.** 1976 Strat.
Sites 346, 347, and 349. TERT.U.
DSDP, Init. Reps., vol. 38, pp. 521-594. Atlantic N.
- 9 **TALWANI, M., UDINTSEV, G.B., ET AL.** 1976 Strat.
Site 348. TERT.U.
DSDP, Init. Reps., vol. 38, pp. 655-682. Atlantic N.
- 10 **TAPPAN, H.** 1979 Abst.
Protistan evolution and extinction at the Cretaceous-Tertiary boundary. Evol.
In: Christensen, W.K., & Birkelund, T., (eds.), Cretaceous-Tertiary K/T BDY
Boundary Events Symposium 2, p. 13.

E39

- | | | | |
|---|--|-------------|--|
| 1 | TAPPAN, H.
The paleobiology of plant protists.
W.H. Freeman & Co., San Francisco, 1028 p. | 1980 | (Syst.)
Biol.
Overview |
| 2 | TAPPAN, H., & LOEBLICH, A.R., Jr.
Geobiologic implications of fossil phytoplankton evolution and time--
space distribution.
Geol. Soc. Amer. Sp. Paper 127, pp. 247-340, 1 pl., 12 figs., 3 tb. | 1971 | Biol.
Evol. |
| 3 | TAPPAN, H., & LOEBLICH, A.R., Jr.
Evolution of the ocean plankton.
Earth Sci. Rev., 9:207-240, 9 figs. | 1973 | Evol. |
| 4 | TAPPAN, H., & LOEBLICH, A.R., Jr.
Fluctuations in marine productivity through time; inverse relation with
terrestrial floras.
Amer. Assoc. Petr. Geol. Bull., 66(5):636. | 1982 | Abst.
Ecol. |
| 5 | THIEDE, J., ELDHOLM, O., & TAYLOR, E.
Variability of Cenozoic Norwegian-Greenland Sea paleoceanography and
northern hemisphere paleoclimate.
In: Eldholm, O., Thiede, J. et al., Proc. Sci. Results, ODP, vol. 104, pp.
1067-1118, 23 figs. | 1989 | Syst.;Ecol.
TERT.
Atlantic N.
N. Hemisph. |
| 6 | THIERSTEIN, H.R.
Terminal Cretaceous plankton extinctions; a critical assessment.
In: Silver, L.T., et al., (eds.), Geological implications of impacts on large
asteroids and comets on the Earth. Geol. Soc. Amer. Sp. Paper 190,
pp. 385-399, 6 figs., 5 tbs. | 1982 | Ecol.
TERT.L.
CRET.U. |
| 7 | TRAVERS, A., & TRAVERS, M.
Les silicoflagelles du Golfe de Marseille. (The silicoflagellates of the Gulf
of Marseille.)
Mar. Biol., 1:285-288, 1 fig.
(In French) | 1968 | Living
Mediterr. |
| 8 | VAN BENNEKOM, A.J., JANSEN, J.H.F., ET AL.
Aluminum-rich opal; an intermediate in the preservation of biogenic
silica in the Zaire (Congo) deep-sea fan.
Deep Sea Res., Part A., Oceanogr. Res. Papers 36(2A):173-190, 2
pls., 2 tbs. | 1989 | Diag.
Atlantic C. |
| 9 | VAN VALKENBURG, S.D.
Observations on the fine structure of <i>Dictyocha fibula</i> Ehrenberg. I. The
skeleton.
J. Phycology, 7:113-118, 10 figs. | 1971 | (Syst.)
Morph.
Living |

E40

- 1 **VAN VALKENBURG, S.D.** 1971 (Syst.)
 Observations on the fine structure of *Dictyocha fibula* Ehrenberg. II.
 The protoplast. Biol.
 J. Phycology, 7:118-132, 24 figs. Living
- 2 **VAN VALKENBURG, S.D.** 1980 Overview
 Silicoflagellates.
 In: Cox, E.R., (ed.), Phytoflagellates, Elsevier, New York, pp. 335-350,
 20 figs.
- 3 **VAN VALKENBURG, S.D., & NORRIS, R.E.** 1970 (Syst.)
 The growth and morphology of the silicoflagellate *Dictyocha fibula*
 Ehrenberg in culture. Biol.
 J. Phycol., 6:48-54, 12 figs. Morph.
- 4 **VOLCANI, B.E.** 1983 Biol.
 Aspects of silicification in biological systems.
 In: Westbroek, P., et al., (eds.), Biomineralization and biological metal
 accumulation; biological and geological perspectives. D. Riedel,
 Dordrecht, Netherlands, pp. 389-405, 30 figs.
- 5 **WEAVER, F.M. & CIESIELSKI, P.F.** 1973 Abst.
 Pliocene paleoclimatic history recorded in Antarctic deep sea cores.
 Geol. Soc. Amer. Abstr. Prog., 5:856-857. Ecol.
 TERT.U.
 Antarctic
- 6 **WEAVER, F.M. & CIESIELSKI, P.F.** 1974 Strat.
 Pliocene paleotemperatures and regional correlations, Southern Ocean.
 Antarctic J. of U.S., 9(5):251-253, 2 figs., 1 tb. Ecol.
 TERT.U.
 Southern
- 7 **WEAVER, F.M., ROEGL, F., HAQ, B.U., & SCHRADER, H.-J.** 1976 Syst.
 Paleontological summary of deep-sea drilling results from Leg 35.
 In: Hollister, C.D., et al., Init. Repts., DSDP, vol. 35, pp. 531-537, 6
 figs. Strat.
 QUAT.
 TERT.
 Pacific S.
- 8 **WEBB, P.N., HARWOOD, D.M., MCKELVEY, B.C., ET AL.** 1983 Ecol.
 Late Neogene and older Cenozoic microfossils in high elevation deposits
 of the Transantarctic Mountains: evidence for marine sedimentation
 and ice volume variation of the East Antarctic craton. QUAT.
 TERT.
 Antarctic J. of U.S., 18(5):96-97, 1 fig. Antarctic
- 9 **WEBB, P.N., RONAN, T.E., Jr., LIPPS, J.H., ET AL.** 1979 TERT.U.
 Miocene glaciomarine sediments from beneath the southern Ross ice
 shelf, Antarctica. Antarctic
 Science, 203(4379):435-437, 2 figs.

E41

- 1 **WEI, W., THIERSTEIN, H., & ODP LEG 119 SHIPBOARD SCIENTIFIC PARTY** 1988 Ecol. QUAT. TERT. Southern
Onset of continental glaciation of East Antarctica as dated by nannoplankton.
Antarctic J. of U.S., 23(5):87-88, 1 fig.

- 2 **WETMORE, K.L., & ANDREWS, G.W.** 1989 Abst. Strat. TERT.U. Atlantic N.
Lower Miocene of the mid-Atlantic coastal plain; depositional sequences in Virginia differ from those in Maryland and New Jersey.
Geol. Soc. Amer. Abstr. Prog., 21(2):75.

- 3 **WHITFIELD, M., & WATSON, A.J.** 1983 Biol.
The influence of biomineralization on the composition of seawater.
In: Westbroek, P., & de Jong, E.W., (eds.), Biomineralization and biogenic metal accumulation, pp. 57-72, 3 tbs.

- 4 **WHITING, M.C. & SCHRADER, H.** 1985 (Syst.) Strat. TERT.U. Pacific N.
Late Miocene to Early Pliocene marine diatom and silicoflagellate floras from the Oregon coast and continental shelf.
Micropal., 31(3):249-270, 8 pls., 3 figs.

- 5 **WISE, S.W., Jr., HARWOOD, D.M., MCCARTNEY, K., & GERSONDE, R.** 1989 Abst. TERT.U. CRET. Antarctic
Silicoflagellate variability: a historical perspective.
INA Newsletter, 11:110-111.

- 6 **WOOD, R.D., & LUTES, J.** 1973 (Syst.) Living Atlantic N.
Guide to the phytoplankton of Narragansett Bay, Rhode Island.
Kingston Press, Peace Dale, Rhode Island, 65 p.

- 7 **WORNARDT, W.W.** 1971 (Syst.) Tech. TERT.
Eocene, Miocene and Pliocene diatoms and silicoflagellates studied with the Scanning Electron Microscope.
In: Farinacci, A., (ed.), Proc. II Plank. Conf. Roma, 1970. Edizioni Tecnoscienza vol. 2, Roma, pp. 1277-1300.

- 8 **WORNARDT, W.W.** 1975 Abst. (Strat.) TERT.U.
Miocene and Pliocene intercontinental correlations based on diatoms, silicoflagellates, and ebridians.
Geoscience and Man, 11:161.

YERKOVICH (see JERKOVIC)

ZHUZE (see JOUSE)

E42

- 1 **BARRETT, K.W.** 1977 Strat.
Silicoflagellates from Tertiary deposits along the Rappahannock River TERT.
in Virginia. America N.
Master's, University of Rhode Island.
- 2 **BUSEN, K.E.** 1978 Strat.
Silicoflagellate stratigraphy, DSDP Leg 36. QUAT.;TERT.
Master's, Florida State University. Atlantic S.
- 3 **CIESIELSKI, P.F.** 1974 Strat.
Silicoflagellate biostratigraphy and paleoecology of Neogene and Ecol.
Oligocene sedimentary sequences from piston and drill cores off East TERT.
Antarctica. Southern
Master's, Florida State University.
- 4 **CORNELL, W.C.** 1972 Strat.
Chrysomonad cysts and silicoflagellates from the Marca Shale Member, CRET.U.
Moreno Formation (Maastrichtian), Fresno County, California. America N.
Doctoral, University California, Los Angeles.
- 5 **DELL'AGNESE, D.J.** 1988 Strat.
Cretaceous and Eocene diatoms, silicoflagellates, Archaeomonads and TERT.L.
ebridians from the Arctic Ocean; Core FL-437 and FL-422. CRET.
Master's, University of Wisconsin. Arctic
- 6 **DONEGAN, D.P.** 1982 Sedim.
Modern and ancient marine rhythmites from the Sea of Cortez and America N.
California continental borderland; a sedimentological study.
Master's, Oregon State University.
- 7 **DUMOULIN, J.A.** 1979 Strat.
Eocene-Oligocene silicoflagellates of the Kreyenhagen Formation, TERT.L.
Fresno County, California. America N.
Master's, University of Wisconsin.
- 8 **GRESHAM, C.W.** 1985 TERT.L.
Cretaceous and Paleocene siliceous phytoplankton assemblages from CRET.
DSDP Sites 216, 214, and 208 in the Pacific and Indian Oceans. Pacific
Master's, University of Wisconsin. Indian
- 9 **HOENSTINE, R.W.** 1982 Strat.
Biostratigraphy of the Hawthorn Formation in northern and north TERT.U.
central Florida. America N.
Doctoral, Florida State University.

E43

- | | | | |
|----|--|-------------|--|
| 1 | JENDRZEWSKI, J.P.
Diatoms and other siliceous biogenic remains from surficial bottom sediments of the Gulf of Mexico.
Doctoral, Louisiana State University. | 1976 | RECENT
Atlantic C. |
| 2 | KOURSE, L.D.
Silicoflagellate biostratigraphy of the upper Monterey Formation and lower Sisquoc Formation, Johns-Manville Quarry, Lompoc, California.
Master's, University Texas, El Paso. | 1980 | Strat.
TERT.U.
America N. |
| 3 | MCCARTNEY, K.
Modelling silicoflagellate skeletal morphology.
Doctoral, Florida State University. | 1988 | Morph. |
| 4 | MIYAJIMA, M.H.
Subantarctic region, Southeast Indian Ocean; absolute chronology of Upper Pleistocene calcareous nannofossil zones and paleoclimatic history determined from silicoflagellate, coccolith and carbonate analyses.
Master's, Florida State University. | 1975 | Strat.
Ecol.
QUAT.
Southern |
| 5 | MURRAY, D.W.
Paleo-oceanography of the Gulf of California based on silicoflagellates from marine varved sediments.
Master's, Oregon State University. | 1982 | Ecol.
QUAT.
Pacific N. |
| 6 | O'KANE, J.A., Jr.
Silicoflagellates of Monterey Bay, California.
Master's, San Jose State College. | 1970 | Living
Pacific N. |
| 7 | POELCHAU, H.S.
Holocene silicoflagellates of the North Pacific, their distribution and use for paleotemperature determination.
Doctoral, University California, San Diego. | 1974 | Ecol.
Living
Pacific N. |
| 8 | SHAW, C.A.
Eocene and Oligocene silicoflagellate biostratigraphy for DSDP Leg 71, Sites 511 and 512, South Atlantic Ocean.
Master's, University of Georgia. | 1981 | Strat.
TERT.L.
Atlantic S. |
| 9 | VAN VALKENBURG, S.D.
The ultrastructure of the silicoflagellate <i>Dictyocha fibula</i> Ehrenberg.
Doctoral, University of Washington. | 1970 | Morph. |
| 10 | WHITE, R.J.
Southern Ocean silicoflagellate and ebridian biostratigraphy, the opening of the Drake Passage, and the Miocene of the Ross Sea, Antarctica.
Master's, Northern Illinois University. | 1980 | Strat.
Ecol.
TERT.U.
Southern |

LIST OF TAXA

<i>Arctyochoa</i> Bukry 1985, p. 130; Alpha Ridge, Arctic Ocean Type species: <i>Dictyochoa quadrata</i>	E12-2 C1
<i>Bachmannocena apiculata</i> (Schulz, 1928) Bukry, 1987, ssp. <i>apiculata</i> ; p. 403 (ex <i>Mesocena oamaruensis</i> var. <i>apiculata</i>)	E12-3
<i>Bachmannocena apiculata</i> (Schulz, 1928) Bukry, 1987, ssp. <i>curvata</i> Bukry, 1976; p. 403 (ex <i>Mesocena apiculata</i> ssp. <i>curvata</i>)	E12-3 C2
<i>Bachmannocena apiculata</i> (Schulz, 1928) Bukry, 1987, ssp. <i>evexa</i> Bukry, 1984; p. 403 (ex <i>Mesocena apiculata</i> ssp. <i>evexa</i>)	E12-3 C2
<i>Bachmannocena apiculata</i> (Schulz, 1928) Bukry, 1987, ssp. <i>glabra</i> (Schulz, 1928) Bukry, 1978; p. 404 (ex <i>Mesocena polymorpha</i> var. <i>triangula</i> f. <i>glabra</i>)	E12-3 C2
<i>Bachmannocena apiculata</i> (Schulz, 1928) Bukry, 1987, ssp. <i>inflata</i> Bukry, 1978; p. 404 (ex <i>Mesocena apiculata</i> ssp. <i>inflata</i>)	E12-3 C2
<i>Bachmannocena apiculata</i> (Schulz, 1928) Bukry, 1987, ssp. <i>monolineata</i> Bukry, 1987, p. 404, pl. 1, fig. 4; Western North Atlantic Ocean (DSDP Site 612), Upper Eocene	E12-3
<i>Bachmannocena bispicata</i> (Shaw & Ciesielski, 1983) Bukry, 1987; p. 404 (ex <i>Mesocena bispicata</i>)	E12-3
<i>Bachmannocena circulus</i> (Ehrenberg, 1841) Locker, 1974 var. <i>apiculata</i> (Lemmermann, 1901) Bukry, 1987; p. 404 (ex <i>Mesocena circulus</i> var. <i>apiculata</i>)	E12-3 C3
<i>Bachmannocena concava</i> (Perch-Nielsen, 1976) Bukry, 1987; p. 404 (ex <i>Mesocena concava</i>)	E12-3
<i>Bachmannocena connudata</i> (Bukry, 1978) Bukry, 1987; p. 404 (ex <i>Mesocena? connudata</i>)	E12-3
<i>Bachmannocena diodon</i> (Ehrenberg, 1845) Locker, 1974 ssp. <i>borderlandensis</i> Bukry, 1981; p. 404 (ex <i>Mesocena diodon</i> ssp. <i>borderlandensis</i>)	E12-3 C4
<i>Bachmannocena diodon</i> (Ehrenberg, 1845) Locker, 1945 ssp. <i>nodosa</i> Bukry, 1978; p. 404 (ex <i>Mesocena diodon</i> ssp. <i>nodosa</i>)	E12-3 C4
<i>Bachmannocena dumitricae</i> (Perch-Nielsen, 1975) Bukry, 1987; p. 404 (ex <i>Paradictyochoa dumitricae</i>)	E12-3
<i>Bachmannocena elliptica</i> (Ehrenberg, 1840) Bukry, 1987; p. 404 (ex <i>Dictyochoa (Mesocena) elliptica</i>)	E12-3
<i>Bachmannocena elliptica</i> (Ehrenberg, 1840) Bukry, 1987 var. <i>rhomboidea</i> Bukry, 1985; p. 404 (ex <i>Mesocena elliptica rhomboidea</i>)	E12-3 C2
<i>Bachmannocena hexalitha</i> (Bukry, 1981) Bukry, 1987; p. 404 (ex <i>Mesocena hexalitha</i>)	E12-3
<i>Bachmannocena muticata</i> (Glezer, 1964) Bukry, 1987; p. 404 (ex <i>Mesocena muticata</i>)	E12-3
<i>Bachmannocena oamaruensis</i> (Schulz, 1928) Bukry, 1987; p. 404 (ex <i>Mesocena oamaruensis</i>)	E12-3
<i>Bachmannocena ovata</i> (Bukry, 1978) Bukry, 1987; p. 404 (ex <i>Mesocena ovata</i>)	E12-3
<i>Bachmannocena pappii</i> (Bachmann, 1962) Bukry, 1987; p. 404 (ex <i>Mesocena pappii</i>)	E12-3
<i>Bachmannocena paulschulzii</i> Bukry, 1987; p. 404 (nomen novum, ex <i>Mesocena oamaruensis</i> var. <i>quadrangula</i>)	E12-3 C5
<i>Bachmannocena polyactis</i> (Tsumura, 1963) Bukry, 1987; p. 405 (ex <i>Mesocena polyactis</i>)	E12-3
<i>Bachmannocena quadrangula</i> (Ehrenberg, 1872 ex Haeckel, 1887) Bukry, 1987; p. 405 (ex <i>Mesocena quadrangula</i>)	E12-3
<i>Bachmannocena schulzii</i> (Martini & Müller, 1976) Bukry, 1987; p. 405 (ex <i>Mesocena schulzii</i>)	E12-3
<i>Bachmannocena triodon</i> (Bukry, 1973) Bukry, 1987; p. 405 (ex <i>Mesocena triodon</i>)	E12-3
<i>Bachmannocena venusta</i> (Bukry, 1977) Bukry, 1987; p. 405 (ex <i>Mesocena venusta</i>)	E12-3
<i>Cannopilus antarcticus</i> Ciesielski, 1975, p. 654, pl. 1, figs. 1-9; Southern Indian Ocean (DSDP Site 266), Lower Miocene	E13-4

<i>Cannopilus hemisphericus</i> (Ehrenberg, 1845) Haeckel, 1887 f. <i>heptagonus</i> Locker & Martini, 1989, p. 566, pl. 1 fig. 8; Norwegian Sea (ODP Hole 642D), Lower Miocene	E27-3
<i>Cannopilus heptacantha</i> (Ehrenberg, 1841) Locker, 1974 ssp. <i>antarcticus</i> (Ciesielski, 1975) Locker & Martini, 1986; p. 902 (ex <i>Cannopilus antarcticus</i>)	E27-1
<i>Corbisema amacula</i> Bukry, 1987, p. 405, pl. 3, figs. 2-6; Western North Atlantic Ocean (DSDP Site 612), Upper Eocene	E12-3
<i>Corbisema bimucronata</i> Ling, 1972 ssp. <i>elegans</i> Bukry, 1987, p. 405, pl. 3, figs. 7-10; Western North Atlantic Ocean (DSDP Site 612), Upper Eocene	E12-3
<i>Corbisema convexa</i> (Bukry, 1978) Locker & Martini, 1986; p. 902 (ex <i>Corbisema triacantha</i> ssp. <i>convexa</i>)	E27-1
<i>Corbisema cuspis</i> Busen & Wise, 1977, p. 711, pl. 1, figs. 4-6; South Atlantic Ocean (DSDP Hole 327A), Upper Paleocene	E12-8
<i>Corbisema disymmetrica</i> (Dumitriča, 1973) Bukry, 1976 ssp. <i>naviculoidea</i> (Frenguelli, 1940 ex Perch-Nielsen, 1976) Locker & Martini, 1987; p. 42 (ex <i>Corbisema naviculoidea</i>)	E27-2
<i>Corbisema elata</i> (Glezer, 1962) Locker & Martini, 1987; p. 42 (ex <i>Dictyocha elata</i>)	E27-2
<i>Corbisema globulata</i> (Bukry, 1976) Locker & Martini, 1987; p. 43 (ex <i>Corbisema hastata</i> var. <i>globulata</i>)	E27-2
<i>Corbisema hastata</i> (Lemmermann, 1901) Frenguelli, 1940 ssp. <i>incohata</i> Bukry, 1987, p. 405, pl. 4, figs. 6-10; Western North Atlantic Ocean (DSDP Site 612), Upper Eocene	E12-3
<i>Corbisema inermis</i> (Lemmermann, 1901) Bukry, 1977 ssp. <i>disymmetrica</i> Dumitriča, 1973, p. 846, pl. 12, figs. 1-6, pl. 13, figs. 1-8; Southwest Pacific Ocean, Paleocene	E16-2
<i>Corbisema jerseyensis</i> Bukry, 1987, p. 405, pl. 5, figs. 1-3; Western North Atlantic Ocean (DSDP Site 612), upper Eocene	E12-3
<i>Corbisema navicula</i> (Ehrenberg, 1840) Busen & Wise, 1977 ssp. <i>constricta</i> Busen & Wise, 1977, p. 713, pl. 3, figs. 1,2; South Atlantic Ocean (DSDP Hole 327A), Paleocene	E12-8
<i>Corbisema navicula</i> (Ehrenberg, 1840) Busen & Wise, 1977 ssp. <i>navicula</i> ; p. 712 (ex <i>Dictyocha navicula</i>)	E12-8
<i>Corbisema naviculoidea</i> (Frenguelli, 1940) ex Perch-Nielsen, 1976; p. 33 (ex <i>Dictyocha naviculoidea</i>)	E32-8
<i>Corbisema ovalis</i> Perch-Nielsen, 1976, p. 33, figs. 12, 13, 23; Vøring Plateau, Norwegian Sea (VEMA 28/43 330 cm), Upper Eocene	E32-8
<i>Corbisema panda</i> Bukry, 1984, p. 555, pl. 1, figs. 1-3; Eastern North Atlantic Ocean (Hole 533A), Middle Eocene	E11-8
<i>Corbisema parallela</i> Hajos in Hajos & Stradner, 1975, p. 938, pl. 15, figs. 4,6,7; South Pacific Ocean (DSDP Site 275), Upper Cretaceous	E18-8
<i>Crassicorbisema</i> Ling, 1981, Type species: <i>Corbisema disymmetrica</i> Dumitriča, 1973	E25-8
<i>Crassicorbisema disymmetrica</i> (Dumitriča, 1973) Ling, 1981; p. 5 (ex <i>Corbisema disymmetrica</i>)	E25-8
<i>Crassicorbisema disymmetrica</i> (Dumitriča, 1973) Ling, 1981 ssp. <i>dumitricae</i> Ling, 1981, p. 5; holotype: Dumitriča, 1973, pl. 12, fig. 9; Southwestern Pacific Ocean (DSDP Site 208), Lower Paleocene	E25-8
<i>Crassicorbisema disymmetrica</i> (Dumitriča, 1973) Ling, 1981 ssp. <i>disymmetrica</i> ; p. 6 (ex <i>Corbisema disymmetrica</i> ssp. <i>disymmetrica</i>)	E25-8 C6
<i>Dictyocha acuta</i> Bukry, 1987, p. 405, pl. 5, figs. 8 & 9, pl. 6, figs. 1-3; Western North Atlantic Ocean (DSDP Site 612), Upper Eocene	E12-3
<i>Dictyocha aegea</i> Stradner & Bachmann, 1978, p. 805- 806, pl. 1, figs. 12-16; Aegean Sea (DSDP Site 378), Upper Pliocene	E37-1
<i>Dictyocha alta</i> Shaw & Ciesielski, 1983, p. 710, pl. 17, figs. 1-3, 5-9; Southwest Atlantic Ocean (DSDP Hole 513A), Lower Oligocene	E36-1

<i>Dictyocha anguinea</i> Shaw & Ciesielski, 1983, p. 710, pl. 7, figs. 1-5, pl. 8, figs. 1, 3; Southwest Atlantic Ocean (DSDP Site 512), Middle Eocene	E36-1
<i>Dictyocha arctios</i> Ling, 1985, p. 82-83, pl. 10, figs. 12-15; Arctic Ocean, lower Paleogene	E26-1
<i>Dictyocha aspera</i> (Lemmermann, 1901) Bukry & Foster, 1973 var. <i>pygmaea</i> Ciesielski, 1975, p. 655, pl. 4 figs. 1,3,4,6; lower Antarctic continental rise, Lower Pliocene	E13-4
<i>Dictyocha brachyacantha</i> Dumitriča, 1973, p. 906, pl. 6, figs. 3,6, pl. 7, figs. 1-3, pl. 5, figs. 6,7; Mediterranean Sea (DSDP Site 128), Pleistocene	E16-1
<i>Dictyocha calida</i> Poelchau, 1976, p. 169-170, pl. 1, figs. c,d, pl. 3, figs. a-f; Equatorial Pacific Ocean, Holocene	E33-8
<i>Dictyocha challengerii</i> Martini & Müller, 1976, p. 870, pl. 2, fig. 8, pl. 5, fig. 10, pl. 8, fig. 3; Norwegian Sea (DSDP Site 339), Middle or Upper Eocene	E30-1
<i>Dictyocha clinata</i> (Bukry, 1975) Locker & Martini, 1989; p. 566 (ex <i>Dictyocha aspera</i> ssp. <i>clinata</i>)	E27-3
<i>Dictyocha curta</i> Ling, 1985, p. 83, pl. 10, figs. 18- 21; Arctic Ocean, lower Paleogene	E25-9
<i>Dictyocha extensa</i> (Locker, 1975) Locker & Martini, 1986; p. 903-904 (ex <i>Dictyocha varia</i> f. <i>extensa</i>)	E27-1
<i>Dictyocha fallacia</i> Busen & Wise, 1977, p. 713, pl. 4, figs. 2-6; South Atlantic Ocean (DSDP Site 329), Miocene?	E12-8
<i>Dictyocha fibula</i> Ehrenberg, 1838 ssp. <i>asymmetrica</i> Locker & Martini, 1986; p. 904, pl. 4, figs. 1-6; Southwest Pacific Ocean (DSDP Hole 591B), Middle Miocene	E27-1
<i>Dictyocha fibula</i> Ehrenberg, 1838 var. <i>pumila</i> Ciesielski, 1975, p. 656-657; pl. 5, figs. 5-10, pl. 6, figs. 1-2, lower Antarctic continental rise, Lower Pliocene	E13-4
<i>Dictyocha fibula</i> Ehrenberg, 1838 ssp. <i>tenuis</i> Locker & Martini, 1989, p. 566, pl. 1, fig. 10; Norwegian Sea (ODP Hole 642C), Middle Miocene	E27-3
<i>Dictyocha flexatella</i> (Bukry, 1979) Bukry, 1985; p. 489 (ex <i>Dictyocha perlaevis</i> var. <i>flexatella</i>)	E11-9
<i>Dictyocha grandis</i> Shaw & Ciesielski, 1983, p. 711, pl. 8, figs. 2, 4-5, pl. 9, figs. 1-4, pl. 10, figs. 1-4; Southwest Atlantic Ocean (DSDP Site 512), Lower Oligocene	E36-1
<i>Dictyocha lingi</i> Dumitriča, 1973, p. 906, pl. 8, figs. 1-7; Mediterranean Sea (DSDP Site 128), Pleistocene	E16-1
<i>Dictyocha messanensis</i> Haeckel, 1861 ssp. <i>aculeata</i> (Lemmermann, 1901) Locker & Martini, 1986; p. 904 (ex <i>Dictyocha fibula</i> var. <i>aculeata</i>)	E27-1
<i>Dictyocha messanensis</i> Haeckel, 1861 ssp. <i>aspinosa</i> (Bukry, 1976) Locker & Martini, 1986; p. 904 (ex <i>Dictyocha stapedia</i> ssp. <i>aspinosa</i>)	E27-1
<i>Dictyocha messanensis</i> Haeckel, 1861 ssp. <i>messanensis</i> f. <i>speculum</i> (Frenguelli, 1935) Locker & Martini, 1986; p. 904 (ex <i>Dictyocha fibula</i> f. <i>speculum</i>)	E27-1
<i>Dictyocha messanensis</i> Haeckel, 1861 ssp. <i>stapedia</i> (Haeckel, 1887) Locker & Martini, 1986; p. 905 (ex <i>Dictyocha stapedia</i>)	E27-1
<i>Dictyocha nola</i> Bukry, 1985, p. 488, pl. 2, figs. 1-5; Eastern equatorial Pacific Ocean (DSDP Hole 572A), Lower Pliocene	E12-1
<i>Dictyocha perlaevis</i> Frenguelli, 1951 f. <i>pentaradiata</i> Locker & Martini, 1986, p. 905, pl. 5, fig. 6; Southwest Pacific Ocean (DSDP Site 591), Lower Pliocene	E27-1
<i>Dictyocha pulchella</i> Bukry, 1975 var. <i>inflata</i> Bukry, 1984, p. 556, pl. 1, figs. 4-7; Eastern North Atlantic Ocean (DSDP Site 555), Middle Miocene	E11-8
<i>Dictyocha pygmaea</i> (Ciesielski, 1975) Shaw & Ciesielski, 1983; p. 712 (ex <i>Dictyocha aspera</i> var. <i>pygmaea</i>)	E36-1
<i>Dictyocha pygmaea</i> (Ciesielski, 1975) Locker & Martini, 1986; p. 905 (ex <i>Dictyocha aspera</i> var. <i>pygmaea</i>)	E27-1 C7
<i>Dictyocha quadria</i> (Mandra, 1969) Martini & Müller, 1976; p. 870-871 (ex <i>Hannaites quadria</i>)	E30-1

<i>Dictyocha rotundata</i> Jouse [Zhuze] 1955 ssp. <i>secta</i> (Glezer, 1962) Bukry, 1984; p. 556 (ex <i>Dictyocha rotundata</i> var. <i>secta</i>)	E11-8
<i>Dictyocha stelliformis</i> Shaw & Ciesielski, 1983, p. 712, pl. 6, figs. 1-6; Southwest Atlantic Ocean (DSDP Site 512), Middle Eocene	E36-1
<i>Dictyocha torta</i> Martini & Müller, 1976, p. 871, pl. 8, fig. 7; Norwegian Sea (DSDP Site 338), Upper Eocene	E30-1
<i>Dictyocha variabilis</i> (Hanna, 1931) Ciesielski, 1975; p. 660 (ex <i>Distephanus variabilis</i>)	E13-4
<i>Distephanus aculeatus</i> (Ehrenberg, 1841) Locker, 1974 f. <i>binoculus</i> (Ehrenberg, 1843) Locker & Martini, 1986; p. 905 (ex <i>Distephanus binoculus</i>)	E27-1
<i>Distephanus bioctonarius</i> (Ehrenberg, 1845) f. <i>decimarius</i> Martini 1990, p. 170, pl. 3, figs. 7-8; Eastern Pacific Ocean (ODP Site 681), Quaternary	E29-8
<i>Distephanus boliviensis</i> (Frenguelli, 1940) Bukry & Foster, 1973 var. <i>binoculus</i> (Frenguelli, 1951) Ciesielski, 1975; p. 660 (ex <i>Dictyocha boliviensis</i> f. <i>binoculus</i>)	E13-4
<i>Distephanus boliviensis</i> (Frenguelli, 1940) Ciesielski, 1975 var. <i>major</i> Frenguelli, 1951; p. 660 (ex <i>Dictyocha boliviensis</i> var. <i>major</i>)	E13-4
<i>Distephanus crux</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>bispinosus</i> Dumitriča, 1973, p. 850, pl. 6, figs 3,6,7; Southwest Pacific Ocean, Pliocene	E16-2
<i>Distephanus crux</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>bispinosus</i> Dumitriča, 1973 f. <i>mesophthalmus</i> (Ehrenberg, 1887) Locker & Martini, 1986; p. 906 (ex <i>Dictyocha mesophthalma</i>)	E27-1
<i>Distephanus crux</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>fenestratus</i> Busen & Wise, 1977, p. 714, pl. 6, figs. 1,2; South Atlantic Ocean (DSDP Site 328), Upper Oligocene	E12-8
<i>Distephanus crux</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>longispinus</i> (Bukry & Foster, 1973) Locker & Martini, 1989; p. 567 (ex <i>Distephanus longispinus</i>)	E27-3
<i>Distephanus crux</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>paulii</i> Shaw & Ciesielski, 1983, p. 713, pl. 11, figs. 2-3, 5-6; Southwest Atlantic Ocean (DSDP Site 511), Upper Eocene to Lower Oligocene	E36-1
<i>Distephanus crux</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>stradneri</i> (Bukry, 1978) Locker & Martini, 1989; p. 567 (ex <i>Distephanus stradneri</i>)	E27-3
<i>Distephanus floridus</i> Bukry, 1985, p. 599, pl. 1, figs. 1-4; North Atlantic Ocean, Mid-Atlantic Ridge (DSDP Site 558), Upper Miocene	E12-1
<i>Distephanus norvegiensis</i> Perch-Nielsen, 1976, p. 34, figs. 15, 16, 20; Vøring Plateau, Norwegian Sea (VEMA 28/43, 520 cm), Upper Eocene	E32-8
<i>Distephanus paraspeculum</i> Locker & Martini, 1989, p. 567-568, pl. 3, figs. 1-2; Norwegian Sea (ODP Hole 642D), Lower Miocene	E27-3
<i>Distephanus paraspeculum</i> Locker & Martini, 1989, f. <i>hexagonalis</i> Locker & Martini, 1989, p. 568, pl. 3, fig. 2; Norwegian Sea (ODP Hole 642D), Lower Miocene	E27-3
<i>Distephanus pulcher</i> (Schiller, 1925) Ling & Takahashi, 1985; p. 80 (ex <i>Octactis pulchra</i>)	E26-5
<i>Distephanus quinarius</i> Locker & Martini, 1989, p. 568, pl. 4, figs. 1-2; Norwegian Sea (ODP Hole 642C), Upper Miocene	E27-3
<i>Distephanus rosae</i> Perch-Nielsen, 1976, p. 34-35, figs. 14, 17; Vøring Plateau, Norwegian Sea (VEMA 23/43 520 cm), Upper Eocene	E32-8
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>constrictus</i> Locker & Martini, 1989, p. 568, pl. 2, figs. 8-10; Norwegian Sea (ODP Hole 644A), Upper Pliocene	E27-3
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887, ssp. <i>notabilis</i> Locker & Martini, 1987, p. 46-48, pl. 5, figs. 38-49, pl. 6, fig. 53, pl. 7, figs. 59-60; Kamyshev im Oblast Sverdlovsk USSR, Lower-Middle Eocene	E27-2
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887, ssp. <i>notabilis</i> Locker & Martini, 1987, f. <i>fenestratus</i> Locker & Martini, 1987, p. 48, pl. 5, figs. 46-47, pl. 6, fig. 53, pl. 7, figs. 59-60; Kamyshev im Oblast Sverdlovsk, USSR, Lower-Middle Eocene	E27-2

<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>notabilis</i> Locker & Martini, 1987, f. <i>notabilis</i> p. 48, pl. 5, figs. 40-41, Kamyshlov im Oblast Sverdlovsk, USSR, Lower-Middle Eocene	E27-2
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 var. <i>pentagonus</i> Lemmermann, 1901 f. <i>geminus</i> Ciesielski, 1975, p. 660-661, pl. 10, fig. 11; Southern Pacific Ocean (DSDP Site 274), Lower Pliocene	E13-4
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>speculum</i> f. <i>cannopilea-hexacantha</i> (Frenguelli, 1935) Locker & Martini, 1986; p. 906 (ex <i>Dictyocha fibula</i> f. <i>cannopilea-hexacantha</i>)	E27-1
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>speculum</i> f. <i>notabilis</i> (Locker & Martini, 1987) McCartney & Wise 1990; p. 750 (ex <i>Distephanus speculum</i> ssp. <i>notabilis</i> f. <i>notabilis</i>)	E30-8
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>speculum</i> f. <i>pseudopentagonus</i> McCartney & Wise 1990, p. 750, pl. 5, fig. 6; Weddell Sea (ODP Hole 689B), Lower Pliocene	E30-8
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>speculum</i> f. <i>pseudoseptenarius</i> Martini 1990, p. 171, pl. 2, fig. 6; Eastern Pacific Ocean (ODP Site 679), Quaternary	E29-8
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>speculum</i> f. <i>nonarius</i> Locker & Martini, 1986; p. 907, pl. 7, fig. 7; Southwest Pacific Ocean (DSDP Site 594), Lower Pleistocene	E27-1
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>speculum</i> f. <i>octonarius</i> (Ehrenberg, 1887) Locker & Martini, 1986; p. 907 (ex <i>Dictyocha octonaria</i>)	E27-1
<i>Distephanus speculum</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>speculum</i> f. <i>septenarius</i> (Ehrenberg, 1845) Locker & Martini, 1986; p. 907 (ex <i>Dictyocha septenaria</i>)	E27-1
<i>Distephanus stauracanthus</i> (Ehrenberg, 1846) Haeckel, 1887 f. <i>octagonus</i> (Tsumura, 1963) Locker & Martini, 1986; p. 907 (ex <i>Dictyocha fibula</i> var. <i>octagona</i>)	E27-1
<i>Distephanus stradneri</i> (Jerkovic, 1965) Bukry, 1978 var. <i>grandis</i> Bukry, 1985, p. 489, pl. 4, figs. 1-7; Eastern equatorial Pacific Ocean (DSDP Hole 575A), Lower Miocene	E11-9
<i>Distephanus sulcatus</i> Bukry, 1979 f. <i>maximus</i> Locker & Martini, 1989, p. 569, pl. 3, fig. 3; Norwegian Sea (ODP Hole 642C), Upper Pliocene	E27-3
<i>Distephanus xenus</i> Bukry, 1984, p. 557, pl. 1, figs. 11-12, pl. 2, figs. 1-8; Eastern North Atlantic Ocean (DSDP Site 552), Upper Miocene	E11-8
<i>Mesocena apiculata</i> (Schulz, 1928) Bukry, 1978 ssp. <i>evexa</i> Bukry, 1984, p. 558, pl. 2, figs. 9-11, pl. 3, figs. 1-5; Eastern North Atlantic Ocean (DSDP Site 406), Lower Miocene?	E11-8
<i>Mesocena bispicata</i> Shaw & Ciesielski, 1983, p. 714, pl. 20, figs. 3, 6-8; Southwest Atlantic Ocean (DSDP Hole 513A), Lower Oligocene	E36-1
<i>Mesocena concava</i> Perch-Nielsen, 1976, p. 35, figs. 11, 24; Vøring Plateau, Norwegian Sea (VEMA 28/43 520 cm), Upper Eocene	E32-8
<i>Mesocena corona</i> Hanna, 1970, p. 198, fig. 73; Tolstoi Point, St. Paul Is., Alaska [locality number 36829 (CAS)], Pliocene	E19-1
<i>Mesocena elliptica</i> (Ehrenberg, 1844) Ehrenberg, 1854 var. <i>rhomboidea</i> Bukry, 1985, p. 489, pl. 5, figs. 1-6; Eastern equatorial Pacific Ocean (DSDP Hole 575A), Lower Miocene	E11-9
<i>Mesocena? hexalitha</i> Bukry, 1981 f. <i>heptalitha</i> Locker & Martini, 1986, p. 908, pl. 8, fig. 6; Southwest Pacific Ocean (DSDP Site 591), Upper Miocene	E27-1
<i>Mesocena pseudoapiculata</i> Martini, 1981, p. 281, pl. 1 fig. 10; Cuxhaven 2 Well, 294.5 m, Lower Eocene	E29-6
<i>Mesocena schulzii</i> Martini & Müller, 1976, p. 873, pl. 11, figs. 3,13; Norwegian Sea (DSDP Site 338), Lower Miocene	E30-1
<i>Naviculopsis aspera</i> (Schulz, 1928) Perch-Nielsen, 1976; p. 35 (ex <i>Dictyocha navicula</i> var. <i>aspera</i>)	E32-8

<i>Naviculopsis danica</i> Perch-Nielsen, 1976, p. 35, figs. 5,6,21; Stolleklint, Fur (KPN 539-9), Lower Eocene	E32-8
<i>Naviculopsis obtusarca</i> Bukry, 1982 var. <i>acicula</i> Bukry, 1985, p. 489, pl. 6, figs. 5-9; Eastern equatorial Pacific Ocean (DSDP Hole 575A), Lower Miocene	E11-9
<i>Naviculopsis pacifica</i> (Dumitriča, 1973) Bukry, 1984 ssp. <i>pacifica</i> ; p. 558 (ex <i>Naviculopsis quadrata</i> ssp. <i>pacifica</i>)	E11-8
<i>Naviculopsis pacifica</i> (Dumitriča, 1973) Bukry, 1984 ssp. <i>pansa</i> Bukry, 1984, p. 559, pl. 1, figs. 8-10; Eastern North Atlantic Ocean (DSDP Site 406), Lower Miocene?	E11-8
<i>Naviculopsis punctilia</i> Perch-Nielsen, 1976, p. 36, figs. 1,32; Vøring Plateau, Norwegian Sea (VEMA 28/43 330 cm), Upper Eocene	E32-8
<i>Naviculopsis quadrata</i> (Ehrenberg, 1844) Locker, 1974 ssp. <i>pacifica</i> Dumitriča, 1973, p. 846-847, pl. 1, figs. 12-24; Southwest Pacific Ocean, Miocene	E16-2
<i>Naviculopsis sicca</i> Martini & Müller, 1976, p. 874, pl. 12, figs. 5-7; Norwegian Sea (DSDP Site 340), Middle Eocene	E30-1
<i>Naviculopsis vemae</i> Perch-Nielsen, 1976, p. 36, figs. 3,4,18; Vøring Plateau, Norwegian Sea (VEMA 28/43 520 cm), Upper Eocene	E32-8
<i>Neonaviculopsis</i> Locker & Martini, 1986, p. 908-909. Type species: <i>Dictyocha neonautica</i>	E27-1
<i>Neonaviculopsis neonautica</i> (Bukry, 1981) Locker & Martini, 1986; p. 909 (ex <i>Dictyocha neonautica</i>)	E27-1
<i>Neonaviculopsis neonautica</i> (Bukry, 1981) Locker and Martini, 1986 ssp. <i>praenautica</i> Locker and Martini, 1986, p. 909, pl. 10, figs. 1-10; Southwest Pacific Ocean (DSDP Site 591), Upper Miocene	E27-1
<i>Paramesocena</i> Locker & Martini, 1986, p. 909. Type species: <i>Mesocena circulus</i> var. <i>apiculata</i>	E27-1
<i>Paramesocena apiculata</i> (Lemmermann, 1901) Locker & Martini, 1986; p. 909 (ex <i>Mesocena circulus</i> var. <i>apiculata</i>)	E27-1
<i>Paramesocena circulus</i> (Ehrenberg, 1841) Locker & Martini, 1986; p. 909 (ex <i>Dictyocha (Mesocena) circulus</i>)	E27-1
<i>Paramesocena dumitricae</i> (Perch-Nielsen, 1975) Locker & Martini, 1986; p. 909 (ex <i>Paradictyocha dumitricae</i>)	E27-1
<i>Vallacerta quadrata</i> Hajos in Hajos & Stradner, 1975, p. 939, pl. 16, fig. 9; South Pacific Ocean (DSDP Site 275), Upper Cretaceous	E18-8
<i>Variramus</i> McCartney et al. 1990, p. 432; East Antarctic Margin, Weddell Sea. Type species: <i>Cornua aculeifera</i>	E30-9
<i>Variramus aculeifera</i> (Deflandre, 1950) McCartney et al. 1990; p. 432 (Ex <i>Cornua aculeifera</i>)	E30-9
<i>Variramus loperi</i> McCartney et al. 1990, p. 432-433, pl. 4, figs. 3-4, pl. 8, figs. 4-9; Weddell Sea (ODP Hole 693B), Lower Albian	E30-9

NEW TAXA

Silicoflagellate Species in Alphabetical Order

- aculeatus* f. *binoculus*, *Distephanus*
aculeifer, *Variramus*
acuta, *Dictyocha*
aegea, *Dictyocha*
alta, *Dictyocha*
amicula, *Corbisema*
anguinea, *Dictyocha*
antarcticus, *Cannopilus*
apiculata, *Paramesocena*
apiculata ssp. *apiculata*, *Bachmannocena*
apiculata ssp. *curvata*, *Bachmannocena*
apiculata ssp. *evexa*, *Bachmannocena*
apiculata ssp. *evexa*, *Mesocena*
apiculata ssp. *glabra*, *Bachmannocena*
apiculata ssp. *inflata*, *Bachmannocena*
apiculata ssp. *monolineata*, *Bachmannocena*
arctios, *Dictyocha*
aspera var. *pygmaea*, *Dictyocha*
aspera, *Naviculopsis*
bimucronata ssp. *elegans*, *Corbisema*
bioctonarius f. *decimarius*, *Distephanus*
bispicata, *Bachmannocena*
bispicata, *Mesocena*
boliviensis var. *binoculus*, *Distephanus*
boliviensis var. *major*, *Distephanus*
brachyacantha, *Dictyocha*
calida, *Dictyocha*
challengeri, *Dictyocha*
circulus, *Paramesocena*
circulus var. *apiculata*, *Bachmannocena*
clinata, *Dictyocha*
concava, *Bachmannocena*
concava, *Mesocena*
connudata, *Bachmannocena*
convexa, *Corbisema*
corona, *Mesocena*
curta, *Dictyocha*
cuspis, *corbisema*
crux ssp. *bispinosus*, *Distephanus*
crux ssp. *bispinosus* f. *mesophthalmus*,
Distephanus
crux ssp. *fenestratus*, *Distephanus*
crux ssp. *longispinus*, *Distephanus*
crux ssp. *paulii*, *Distephanus*
crux ssp. *stradneri*, *Distephanus*
danica, *Naviculopsis*
diodon ssp. *borderlandensis*, *Bachmannocena*
diodon ssp. *nodosa*, *Bachmannocena*
disymmetrica, *Crassicorbisema*
disymmetrica ssp. *disymmetrica*, *Crassicorbisema*
disymmetrica ssp. *dumitricae*, *Crassicorbisema*
disymmetrica ssp. *naviculoidea*, *Corbisema*
dumitricae, *Bachmannocena*
dumitricae, *Paramesocena*
elata, *Corbisema*
elliptica, *Bachmannocena*
elliptica var. *rhomboidea*, *Bachmannocena*
elliptica var. *rhomboidea*, *Mesocena*
extensa, *Dictyocha*
fallacia, *Dictyocha*
fibula ssp. *asymmetrica*, *Dictyocha*
fibula var. *pumila*, *Dictyocha*
fibula ssp. *tenuis*, *Dictyocha*
flexatella, *Dictyocha*
floridus, *Distephanus*
globulata, *Corbisema*
grandis, *Dictyocha*
hastata ssp. *incohata*, *Corbisema*
hexalitha, *Bachmannocena*
hexalitha, *Mesocena?*
hemisphericus f. *heptagonus*, *Cannopilus*
heptacantha ssp. *antarcticus*, *Cannopilus*
inermis ssp. *disymmetrica*, *corbisema*
jerseyensis, *Corbisema*
lingi, *Dictyocha*
loperi, *Variramus*
messanensis ssp. *aculeata*, *Dictyocha*
messanensis ssp. *aspinosa*, *Dictyocha*
messanensis ssp. *messanensis* f. *speculum*,
Dictyocha
messanensis ssp. *stapedia*, *Dictyocha*
muticata, *Bachmannocena*
navicula ssp. *constricta*, *Corbisema*
navicula ssp. *navicula*, *Corbisema*
naviculoidea, *Corbisema*
neonautica, *Neonaviculopsis*
neonautica ssp. *praenautica*, *Neonaviculopsis*
nola, *Dictyocha*
norvegiensis, *Distephanus*
oamaruensis, *Bachmannocena*
obtusarca var. *acicula*, *Naviculopsis*
ovalis, *Corbisema*
ovata, *Bachmannocena*
pacifica ssp. *pacifica*, *Naviculopsis*
pacifica ssp. *pansa*, *Naviculopsis*
panda, *Corbisema*
pappii, *Bachmannocena*
parallela, *Corbisema*
paraspeculum, *Distephanus*
paraspeculum f. *hexagonalis*, *Distephanus*
paulschulzii, *Bachmannocena*
perlaevis f. *pentaradiata*, *Dictyocha*
polyactis, *Bachmannocena*
pseudoapiculata, *Mesocena*
pulchella var. *inflata*, *Dictyocha*
pulchra, *Distephanus*

punctilia, *Naviculopsis*
pygmaea, *Dictyocha*
quadrangula, *Bachmannocena*
quadrata, *Vallacerta*
quadrata ssp. *pacifica*, *Naviculopsis*
quadria, *Dictyocha*
quinarius, *Distephanus*
rosae, *Distephanus*
rotundata ssp. *secta*, *Dictyocha*
schulzii, *Bachmannocena*
schulzii, *Mesocena*
sicca, *Naviculopsis*
speculum var. *cannopiloides*, *Dictyocha*
speculum ssp. *constrictus*, *Distephanus*
speculum ssp. *notabilis*, *Distephanus*
speculum ssp. *notabilis* f. *fenestratus*, *Distephanus*
speculum ssp. *notabilis* f. *notabilis*, *Distephanus*
speculum var. *pentagonus* f. *geminus*, *Distephanus*
speculum var. *speculum* f. *cannopileahexacantha*, *Distephanus*
speculum ssp. *speculum* f. *nonarius*, *Distephanus*
speculum ssp. *speculum* f. *notabilis*, *Distephanus*
speculum ssp. *speculum* f. *octonarius*, *Distephanus*
speculum ssp. *speculum* f. *pseudopentagonus*, *Distephanus*
speculum ssp. *speculum* f. *pseudoseptenarius*, *Distephanus*
speculum ssp. *speculum* f. *septenarius*, *Distephanus*
stauracanthus f. *octagonus*, *Distephanus*
stradneri var. *grandis*, *Distephanus*
sulcatus f. *maximus*, *Distephanus*
stelliformis, *Dictyocha*
torta, *Dictyocha*
triodon, *Bachmannocena*
variabilis, *Dictyocha*
venusta, *Bachmannocena*
vemae, *Naviculopsis*
xenus, *Distephanus*

New Silicoflagellate Genera

Arctyochoa
Bachmannocena
Crassicorbisema
Neonaviculopsis
Paramesocena
Variramus

COMMENTS

- C1 Although the species *Dictyocha quadrata* Hanna 1928 was indicated as the type for this genus, no new combination was introduced to this effect.
- C2 Bukry introduced as new combinations each of these subspecies on transferring them to another genus. This is superfluous because he had already transferred the species containing the infraspecific taxa to that genus (ICBN Art. 25.1)
- C3 The combination had already been introduced by Locker 1974.
- C4 Bukry introduced as new combinations each of these subspecies, on transferring them to another genus. This is superfluous, because the species containing the infraspecific taxa had already been transferred to that genus by Locker 1974 (ICBN Art. 25.1)
- C5 Bukry raises the original variety to species level and places it in a new genus. Because doing this would create a homonym, he had to introduce a new name.
- C6 Ling introduced as a new combination this subspecies on transferring it to another genus. This is superfluous because he had already transferred the species containing the infraspecific taxon to that genus (ICBN Art. 25.1)
- C7 Superfluous, because the combination had already been introduced by Shaw & Ciesielski, 1983.

ACKNOWLEDGEMENTS

Many thanks to Shirley van Heck for her numerous suggestions and corrections which helped to make this bibliography possible.

**REPRINTED DATA FROM
THE BIBLIOGRAPHY AND TAXA OF SILICOFLAGELLATES I & II
*Rene Almekinders 1985, 1986***

EDITOR'S INTRODUCTION

The new bibliography of Spaulding in this volume provides the first comprehensive update from the original Annotated Index of Loeblich et al (1968). However, partial updates were given by Almekinders (1985, 1986) the information in these has not been duplicated by Spaulding. In order to make this volume silicoflagellates of wider use I have reprinted here the taxonomic listings of Almekinders (1985) & Almekinders (1986). This means that this volume plus Loeblich et al (1968) form a comprehensive taxonomic listing of living and fossil silicoflagellate taxa.

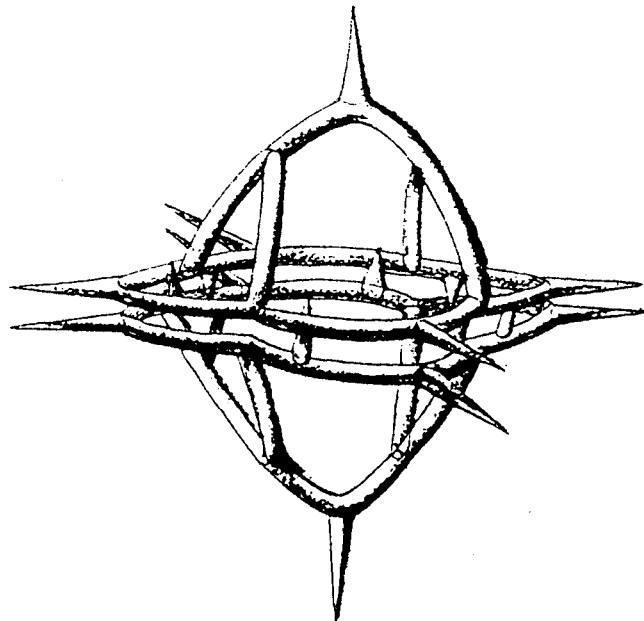
The data from Almekinders (1985, 1986) was retrieved from the original publication via scanning and optical text recognition, this process may have introduced some typographic errors. Also it should be noted that only the systematic references have been relisted here. Almekinders (1985, 1986) gives additional non-systematic references, and subject codes.

The figures, below and on the cover, are from Haeckel (1887).

Jeremy R. Young, The Natural History Museum, London

REFERENCES:

- Almekinders, R. 1985: Bibliography and taxa of silicoflagellates I. *Int. Nannoplankton Ass. Newsl.*, 7(1):39-48.
- Almekinders, R., 1986: Bibliography and taxa of silicoflagellates II. *Int. Nannoplankton Ass. Newsl.*, 8(1):43-54.
- Heackel E.H.P.A. 1887: Report on the Radiolaria collected by H.M.S. Challenger during the years 1873-1876. *Rept. Sci. Res. Voyage of H.M.S. Challenger.* 18, 1-1803.
- Loeblich A.R., Loeblich L.A., Tappan H. & Loeblich A.R. jnr, 1968: Annotated index of fossil and recent silicoflagellates and ebridians with descriptions and illustrations of validly proposed taxa. *Geol. Soc. Am. Mem.*, 106, 1-319.



SYSTEMATIC REFERENCES FROM ALMEKINDERS 1985, 1986

- E1-1 BARRON, J.A., BUKRY, D. & POORE, R.Z. 1984: Correlation of the middle Eocene Kellog Shale of northern California. *Micropalaeontology*, **30/2**: 138-170.
- E2-1 BUKRY, D. 1975: Silicoflagellate and coccolith stratigraphy, DSDP Leg 29. In: Kennett, J.P., Houtz, R.E., et al. *Init. Rep. DSDP*, **29**, 845-872.
- E2-2 BUKRY, D. 1975: Coccolith and silicoflagellate stratigraphy, north-western Pacific Ocean, DSDP Leg 32. In: Larson, R.L., Moberly, R., et al. *Init. Rep. DSDP*, **32**, 677-701.
- E2-4 BUKRY, D. 1976: Silicoflagellate and coccolith stratigraphy, south-eastern Pacific Ocean, DSDP Leg 34. In: Yeats, R.S., Hart, S.R., et al. *Init. Rep. DSDP*, **34**, 715-735.
- E2-6 BUKRY, D. 1976: Cenozoic silicoflagellate and coccolith stratigraphy, South Atlantic Ocean, DSDP Leg 36. In: Hollister, C.D., Craddock, C., et al. *Init. Rep. DSDP*, **36**: 885-917.
- E2-7 BUKRY, D. 1976: Silicoflagellate and coccolith stratigraphy, Norwegian-Greenland Sea, DSDP Leg 38. In: Talwani, M., Udintsev, G., et al. *Init. Rep. DSDP*, **38**: 843-855.
- E3-1 BUKRY, D. 1977: Coccolith and silicoflagellate stratigraphy, South Atlantic Ocean. DSDP Leg 39. In: Supko, P.R., Perch-Nielsen, K., et al. *Init. Rep. DSDP*, **39**: 825-839.
- E3-2 BUKRY, D. 1978: Cenozoic silicoflagellate and coccolith stratigraphy, southeastern Atlantic Ocean. DSDP Leg 40. In: Bolli, H.M., Ryan, W.B.F., et al. *Init. Rep. DSDP*, **40**: 635-649.
- E3-3 BUKRY, D. 1978: Cenozoic coccolith and silicoflagellate stratigraphy, offshore northwest Africa. DSDP Leg 41. In: Lancelot, Y., Seibold, E., et al. *Init. Rep. DSDP*, **41**: 689-707.
- E3-4 BUKRY, D. 1978: Cenozoic silicoflagellate and coccolith stratigraphy, northwestern Atlantic Ocean. DSDP Leg 43. In: Benson, W.E., Sheridan, R.E., et al. *Init. Rep. DSDP*, **44**: 775-805.
- E3-5 BUKRY, D. 1978: Coccolith, silicoflagellate and diatom stratigraphy. DSDP Leg 44. In: Benson, W.E., Sheridan, R.E., et al. *Init. Rep. DSDP*, **44**: 807-863.
- E3-6 BUKRY, D. 1979: Comments on opal phytoliths and stratigraphy of Neogene silicoflagellates and coccoliths at DSDP Site 397 off northwest Africa. In: Luyendyk, B.P., Cann, J.R., et al. *Init. Rep. DSDP*, **49**: 977-1009.
- E3-7 BUKRY, D. 1979: Coccolith and silicoflagellate stratigraphy, northern Mid-Atlantic Ridge and Reykjanes Ridge. DSDP Leg 49. In: Luyendyk, B.P., Cann, J.R., et al. *Atlantic. C. Init. Rep. DSDP*, **49**: 551-581.

- E4-2 BUKRY, D. 1980: Silicoflagellate biostratigraphy and paleoecology in the eastern equatorial Pacific. DSDP Leg 54. In: Rosendahl, B.R., Hekinian, R., et al. *Init. Rep. DSDP*, **54**: 545-573.
- E4-3 BUKRY, D. 1981: Synthesis of silicoflagellate stratigraphy for Maestrichtian to Quaternary marine sediment. *Spec. Publ. S.E.P.M.*, no. 32; 433-444.
- E4-4 BUKRY, D. 1981: Silicoflagellate stratigraphy of offshore California and Baja California. DSDP Leg 63. In: Yeats, R.S., Haq, B.U., et al. *Init. Rep. DSDP*, **63**: 539-557.
- E4-5 BUKRY, D. 1981: Cretaceous Arctic silicoflagellates. *Geomarine Letters*, **1**: 57-63.
- E4-6 BUKRY, D. 1982: Cenozoic silicoflagellates from offshore Guatemala. DSDP Site 495. In: Aubouin, J., von Huene, et al. *Init. Rep. DSDP*, **67**: 425-445.
- E4-7 BUKRY, D. 1982: Neogene silicoflagellates of the eastern Equatorial Pacific, DSDP Hole 503A. In: Prell, W.L., Gardner, J.V., et al. *Init. Rep. DSDP*, **68**: 311-323.
- E4-8 BUKRY, D. 1983: Upper Cenozoic silicoflagellates from offshore Ecuador. DSDP Site 504. In: Cann, J.R., Langseth, M.G., et al. *Init. Rep. DSDP*, **69**: 321-342.
- E5-2 BUKRY, D. & FOSTER, J.H. 1973: Silicoflagellate and diatom stratigraphy, Leg 16, DSDP In: van Andel, T.H., Heath, G.R., et al. *Init. Rep. DSDP*, **16**: 815-873.
- E6-2 BUKRY, D. 1986: Miocene silicoflagellates from Chatham Rise, DSDP Site 594. In: Kennett, J.P., von der Borch, C.C., et al. *Init. Rep. DSDP*, **90**, 925-937.
- E6-3 BUKRY, D. AND MONECHI, S. 1985: Late Cenozoic silicoflagellates from the Northwest Pacific, DSDP Leg 86: paleotemperature trends and texture classification. In: Heath, G.R., and Burckle, L.H., et al. *Init. Rep. DSDP*, **86**, 367-397.
- E6-6 LOCKER, S. 1974: Revision der silicoflagellaten aus der Mikrogeologischen sammlung von C.G. Ehrenberg. *Eclogae geol. Helv.*, **67/3**: 631-646.
- E7-1 PERCH-NIELSEN, K. 1975: Late Cretaceous to Pleistocene silicoflagellates from the southern Southwest Pacific, DSDP, Leg 29. In: Kennett, J.P., Houtz, R.E., et al. *Init. Rep. DSDP*, **29**: 677-721.

LIST OF TAXA, FROM ALMEKINDERS (1985, 1986)

<i>Bachmannocena</i> Locker, 1974; p. 635.	E6-6
<i>Bachmannocena circulus</i> (Ehrenberg, 1841) Locker, 1914; p. 636 (ex <i>Mesocena circulus</i>).	E6-6
<i>Bachmannocena diodon</i> (Ehrenberg, 1845) Locker, 1974; p. 636 (ex <i>Mesocena diodon</i>).	E6-6
<i>Bachmannocena triangula</i> (Ehrenberg, 1840) Locker, 1974; p. 636 (ex <i>Mesocena triangula</i>).	E6-6
<i>Cannopilus depressus</i> (Ehrenberg, 1854) Perch-Nielsen 1975; p. 685 (ex <i>Halicalyptra depressa</i>).	E7-1
<i>Cannopilus major</i> (Frenguelli, 1951) Bukry and Foster, 1973; p. 826 (ex <i>Dictyocha boliviensis</i> var. <i>major</i>).	E5-2
<i>Cannopilus quintus</i> Bukry and Foster, 1973; p. 826, pl. 1, figs. 8,9; Carnegie Ridge, Panama Basin (DSDP site 157), U. Pliocene.	E5-2
<i>Caryocha</i> Bukry & Monechi, 1985; p. 378; type species: <i>Halicalyptra depressa</i> Ehrenberg, 1854..	E6-3
<i>Caryocha depressa</i> (Ehrenberg, 1854) Bukry & Monechi, 1985; p. 378 (ex <i>Halicalyptra depressa</i>).	E6-3
<i>Caryocha ernestinae</i> (Bachmann, 1962) Bukry & Monechi, 1985; p. 378 (ex <i>Cannopilus ernestinae</i>).	E6-3
<i>Caryocha ichikawai</i> (Bachmann, 1964) Bukry & Monechi, 1985; p. 378 (ex <i>Cannopilus ichikawai</i>).	E6-3
<i>Caryocha jouseae</i> (Bachmann, 1964) Bukry & Monechi, 1985; p. 378 (ex <i>Cannopilus jouseae</i>).	E6-3
<i>Caryocha latifenestrata</i> (Bachmann, 1964) Bukry & Monechi, 1985; p. 378 (ex <i>Cannopilus latifenestratus</i>).	E6-3
<i>Caryocha picassoii</i> (Stradner, 1961) Bukry & Monechi, 1985; p. 378 (ex <i>Cannopilus picassoii</i>).	E6-3
<i>Corbisema media</i> (Glezer, 1964) Perch-Nielsen, 1975; p. 686 (ex <i>Dictyocha elata</i> var. <i>media</i>).	E7-1
<i>Corbesima inermis</i> (Lemmermann, 1901) Dumitrica, 1973 ssp. <i>crenulata</i> Bukry, 1976; p. 892, pl. 12, fig. 9 of Dumitrica, 1973; Southwestern Pacific Ocean (DSDP site 208), Paleocene.	E2-6
<i>Corbisema angularis</i> Bukry, 1984; p. 149, pl. 1, figs. 2,3; California, M. Eocene.	E1-1
<i>Corbisema bimucronata</i> Deflandre, 1950 ssp. <i>rotatoria</i> Bukry, 1978; p. 696, pl. 1, fig. 6.	E3-3
<i>Corbisema disymmetrica</i> (Dumitrica, 1973) Bukry, 1976 ssp. <i>angulata</i> Bukry, 1976; p. 891, pl. 1, fig. 4; Falkland Plateau, South Atlantic Ocean (DSDP hole 327A), U. Paleocene.	E2-6
<i>Corbisema disymmetrica</i> (Dumitrica, 1973) Bukry, 1976, ssp. <i>communis</i> Bukry, 1976; p. 891, pl. 1, fig. 8; Falkland Plateau, South Atlantic Ocean (DSDP hole 327A), U. Paleocene.	E2-6
<i>Corbisema disymmetrica</i> (Dumitrica, 1973) Bukry, 1976 ssp. <i>disymmetrica</i> Bukry, 1976; p. 891 (ex <i>Corbisema inermis</i> ssp. <i>disymmetrica</i>).	E2-6
<i>Corbisema exilis</i> Bukry, 1984; p. 149,150, pl. 1, fig. 9; California, M. Eocene.	E1-1
<i>Corbisema falklandensis</i> Bukry, 1976; p. 891, pl. 2, figs. 8,9; Falkland Plateau, South Atlantic Ocean (DSDP hole 327A), U. Paleocene.	E2-6
<i>Corbisema flexuosa</i> (Stradner, 1961) Bukry, 1975; p. 853 (ex <i>Corbisema triacantha</i> ssp. <i>flexuosa</i>) **invalid: junior synonym based on page number priority**.	E2-1
<i>Corbisema flexuosa</i> (Stradner, 1961) Perch-Nielsen, 1975; p. 685 (ex <i>Corbisema triacantha</i> var. <i>flexuosa</i>).	E7-1
<i>Corbisema geometrica</i> Hanna, 1928 ssp. <i>lateradiata</i> (Schulz, 1928) Bukry, 1975; p. 853 (ex <i>Dictyocha triacantha apiculata lateradiata</i>).	E2-1
<i>Corbisema glezeræ</i> Bukry, 1976; p. 892, pl. 3, fig. 3; Falkland Plateau, South Atlantic Ocean (DSDP hole 327A), U. Paleocene.	E2-6
<i>Corbisema hastata</i> (Lemmermann, 1901) Bukry, 1973 ssp. <i>minor</i> (Schulz, 1928) Bukry, 1975; p. 854 (ex <i>Dictyocha triacantha apiculata minor</i>).	E2-1
<i>Corbisema hastata</i> (Lemmermann, 1901) ssp. <i>cunicula</i> Bukry, 1976; p. 892, pl. 3, fig. 15; Falkland Plateau, South Atlantic Ocean (DSDP hole 327A), U. Paleocene.	E2-6
<i>Corbisema hastata</i> (Lemmermann, 1901) ssp. <i>globulata</i> Bukry, 1976; p. 892, pl. 4, fig. 2; Falkland Plateau, South Atlantic Ocean (DSDP hole 327A), U. Paleocene.	E2-6
<i>Corbisema hastata</i> (Lemmermann) Perch-Nielsen, 1975 ssp. <i>miranda</i> Bukry, 1984; p. 150. Holotype pl. 1, fig. 10 of Bukry 1975 (E2-1); Tasman Sea (DSDP site 283), U. Eocene.	E1-1

<i>Corbisema inermis</i> (Lemmermann, 1901) Dumitrica, 1973 ssp. <i>minor</i> (Glezer, 1966) Bukry, 1976; p. 892 (ex <i>Dictyocha triacantha</i> var. <i>inermis</i> fa. <i>minor</i>).	E2-6
<i>Corbisema inermis</i> (Lemmermann) Bukry, 1977 ssp. <i>ballantina</i> Bukry, 1984; p. 150, pl. 1, fig.13; California, M. Eocene (South Atlantic (DSDP site 356) M. Eocene).	E1-1
<i>Corbisema katharinae</i> Bukry, 1976; p. 848, pl. 1, fig. 4; Norwegian-Greenland Sea (DSDP site 337), U. Eocene or Oligocene.	E2-7
<i>Corbisema lamellifera</i> (Glezer, 1964) ssp. <i>hastata</i> (Glezer, 1964) Perch-Nielsen, 1975; p. 685 (ex <i>Dictyocha lamellifera</i> var. <i>hastata</i>).	E7-1
<i>Corbisema lateradiata</i> (Schulz, 1928) Perch-Nielsen, 1975; p. 686 (ex <i>Dictyocha triacantha</i> var. <i>apiculata</i> fa. <i>lateradiata</i>).	E7-1
<i>Corbisema minor</i> (Schulz, 1928) Perch-Nielsen, 1975; p. 686 (ex <i>Dictyocha triacantha</i> fa. <i>minor</i>).	E7-1
<i>Corbisema neoparallela</i> Bukry, 1976; p. 893, pl. 5, fig. 9; Falkland Plateau, South Atlantic Ocean (DSDP hole 327A), U. Paleocene.	E2-6
<i>Corbisema regina</i> Bukry, 1984; p. 150, pl. 2, fig. 6; California, M. Eocene.	E1-1
<i>Corbisema toxeuuma</i> Bukry, 1978; p. 815, pl. 1, fig. 11; Blake Plateau, western North Atlantic Ocean (DSDP Hole 390A), L. Eocene (<i>Naviculopsis foliacea</i> Zone).	E3-5
<i>Corbisema triacantha</i> (Bukry & Foster, 1974) ssp. <i>convexa</i> Bukry; 1978, p. 815, pl. 1, figs. 16,17; Blake Plateau, western North Atlantic Ocean (DSDP Hole 390A), L. Eocene (<i>Naviculopsis foliacea</i> Zone).	E3-5
<i>Corbisema triacantha</i> (Ehrenberg) Hanna var. <i>nuda</i> Bukry, 1982; p. 431, pl. 1, fig. 1; Eastern North Pacific Ocean (DSDP site 495), M. Miocene.	E4-6
<i>Corbisema triacantha</i> ssp. <i>mediana</i> Bukry, 1978; p. 696, pl. 1, fig. 12; Eastern North Atlantic Ocean (DSDP site 369), L. Oligocene.	E3-3
<i>Corbisema? xenica</i> Bukry, 1978; p. 816, pl. 2, figs. 1,2; Blake Plateau, western North Atlantic Ocean (DSDP Hole 390A), L. Eocene (<i>Naviculopsis foliacea</i> Zone)	E3-5
<i>Corbisemaceae</i> fam. nov. Locker, 1974; p. 633 .	E6-6
<i>Dictyocha aculeata</i> (Lemmermann, 1901) Bukry, 1979a ssp. <i>subaculeata</i> Bukry, 1980; p. 552, pl. 1, fig. 8; Equatorial eastern Pacific Ocean (DSDP site 425), Quaternary.	E4-2
<i>Dictyocha angulata</i> Bukry, 1982; p. 431,432, pl. 1, fig. 9; Eastern North Pacific Ocean (DSDP site 495), L. Pliocene.	E4-6
<i>Dictyocha aspera</i> (Lemmermann, 1901) Bukry & Foster, 1973 ssp. <i>martinii</i> Bukry, 1975; p. 854, pl. 2, fig. 6; South Tasman Sea (DSDP site 283), M. and U. Eocene.	E2-1
<i>Dictyocha aspera</i> (Lemmermann, 1901) Bukry & Foster, 1973 ssp. <i>clinata</i> Bukry, 1975; p. 687, pl. 1, fig. 2; Northwest Pacific Ocean (DSDP site 303), U. Miocene.	E2-2
<i>Dictyocha aspera</i> (Lemmermann, 1901) Bukry and Foster, 1973; p. 826 (ex <i>Dictyocha fibula</i> var. <i>aspera</i>).	E5-2
<i>Dictyocha bojadorina</i> Bukry, 1979; p. 982, pl. 1, figs. 10, 11; Offshore northwest Africa (DSDP site 397), Quaternary (<i>Mesocena quadrangula</i> Zone).	E3-6
<i>Dictyocha brevispina</i> (Lemmermann, 1901) Bukry, 1976; p. 723 (ex <i>Dictyocha fibula</i> var. <i>brevispina</i>).	E2-4
<i>Dictyocha brevispina</i> (Lemmermann, 1901) Bukry, 1976 ssp. <i>ausonia</i> (Deflandre, 1950) Bukry, 1978; p. 697 (ex <i>Dictyocha ausonia</i>).	E3-3
<i>Dictyocha byronalis</i> Bukry, 1984; p.151, pl. 3, fig. 3; California, M. Eocene (Atlantic Ocean (DSDP sites 356,385,386), M. Eocene).	E1-1
<i>Dictyocha calida</i> (Poelchau, 1976) ssp. <i>ampliata</i> Bukry, 1979; p. 982,pl. 2, fig. 1; Offshore north-west Africa (DSDP site 397), U. Pliocene to L. Quaternary.	E3-6
<i>Dictyocha carentis</i> (Glezer, 1964) Perch-Nielsen, 1975; p. 686 (ex <i>Dictyocha frenguelli</i> var. <i>carentis</i> fa. <i>carentis</i>).	E7-1
<i>Dictyocha concinna</i> Bukry, 1983; p. 327, pl. 2, fig. 5; Eastern tropical Pacific (DSDP site 504), U. Pliocene.	E4-8
<i>Dictyocha constricta</i> (Schulz, 1928) Bukry, 1979; p. 983 (ex <i>Dictyocha fibula</i> fa. <i>constricta</i>).	E3-6
<i>Dictyocha deflandrei</i> Frenguelli, 1940 ssp. <i>lobata</i> Bukry, 1978; p. 785, pl. 1, fig. 13; Northwest Atlantic Ocean (DSDP site 385), Eocene (<i>Dictyocha spinosa</i> Subzone).	E3-4
<i>Dictyocha deflandrei</i> Frenguelli, 1940 ssp. <i>producta</i> Bukry, 1978; p. 785 (ex <i>Dictyocha deflandrei completa producta</i>).	E3-4
<i>Dictyocha delicata</i> (Bukry 1976) Bukry, 1982; p. 432, pl. 2, fig. 7. (ex <i>Dictyocha perlaevis delicata</i>)..	E4-6

<i>Dictyocha delicata</i> (Bukry 1976) Bukry var. <i>bisecta</i> Bukry, 1982; p. 432, pl. 2, fig. 3; Eastern North Pacific Ocean (DSDP site 495), Pliocene.	E4-6
<i>Dictyocha fibula</i> Ehrenberg, 1839 ssp. <i>augusta</i> Bukry, 1976; p. 893, pl. 6, figs. 1-3; Falkland Plateau, South Atlantic Ocean (DSDP site 329), U. Miocene.	E2-6
<i>Dictyocha fibula</i> Ehrenberg, 1839 ssp. <i>formicata</i> Bukry, 1975; p. 854, pl. 3, fig. 8; South Tasman Sea (DSDP site 283), M. or U. Eocene.	E2-1
<i>Dictyocha fibula</i> Ehrenberg, 1839 ssp. <i>perlaevis</i> (Frenguelli, 1951) Bukry, 1975; p. 855 (ex <i>Dictyocha perlaevis</i>).	E2-1
<i>Dictyocha fischeri</i> Bukry, 1976; p. 894, pl. 1, figs. 11,12 of Bukry, 1975b; Southern Ocean (DSDP sites 274, 278, 328), L. or U. Oligocene.	E2-6
<i>Dictyocha helix</i> Bukry, 1983; p. 327, pl. 3, figs. 5,6; Eastern tropical Pacific (DSDP site 504), U. Pliocene.	E4-8
<i>Dictyocha hessii</i> Bukry, 1978; p. 642, pl. 7, holotype: fig. 6 of Dumitrica, 1973, DSDP vol. 13; Mediterranean Sea (DSDP site 128), L. Quaternary.	E3-2
<i>Dictyocha longa</i> Bukry, 1982; p. 432, pl. 2, fig. 8; Eastern North Pacific Ocean (DSDP site 495), U. Miocene to L. Quaternary.	E4-6
<i>Dictyocha longa</i> Bukry, 1982 var. <i>paxilla</i> Bukry, 1982; p. 432, pl. 3, fig. 3; Eastern North Pacific Ocean (DSDP site 495), Pliocene.	E4-6
<i>Dictyocha longispina</i> (Lemmermann, 1901) Bukry, 1979; p. 983 (ex <i>Dictyocha fibula</i> var. <i>longispina</i>)..	E3-6
<i>Dictyocha neonautica</i> Bukry, 1981; p. 442; holotype pl. 3, fig. 6 of Bukry and Foster 1973 (E5-2); Pacific Ocean, Carnegie Ridge, U. Miocene (<i>Dictyocha fibula</i> Zone).	E4-3
<i>Dictyocha neonautica</i> Bukry var. <i>cocosensis</i> Bukry, 1981; p. 442; holotype pl. 3, fig. 8 of Bukry and Foster, 1973 (E5-2); Pacific Ocean, (Cocos Ridge), U. Miocene (<i>Dictyocha fibula</i> Zone).	E4-3
<i>Dictyocha ornata</i> (Bukry, 1977) Bukry, Bukry 1982; p. 432. (ex <i>Dictyocha perlaevis ornata</i>).	E4-6
<i>Dictyocha ornata</i> (Bukry) Bukry, 1982 ssp. <i>africana</i> Bukry, 1982; p. 432,433; holotype pl.3, fig. 5 of Bukry 1979 (E3-6); Western North Atlantic Ocean (DSDP site 397), U. Pliocene;.	E4-6
<i>Dictyocha pentagona</i> (Schulz, 1928) Bukry and Foster, 1973; p. 827 (ex <i>Dictyocha fibula</i> var. <i>pentagona</i>).	E5-2
<i>Dictyocha pentagonalis</i> (Aurivillius, 1898) Perch-Nielsen, 1975; p. 687 (ex <i>Dictyocha fibula</i> var. <i>pentagonalis</i>).	E7-1
<i>Dictyocha perfecta</i> Bukry, 1982; p. 315, pl. 3, fig. 5; Eastern equatorial Pacific (DSDP site 503A), Pliocene.	E4-7
<i>Dictyocha perlaevis</i> Frenguelli, 1951 ssp. <i>delicata</i> , 1976; p. 724, pl. 1, figs. 5,6; south-eastern Pacific Ocean (DSDP site 321), L. Quaternary.	E2-4
<i>Dictyocha perlaevis</i> (Frenguelli, 1951) ssp. <i>flexatella</i> Bukry, 1979; p. 984, pl. 3, fig. 3; Offshore northwest Africa (DSDP site 397), U. Pliocene.	E3-6
<i>Dictyocha perlaevis</i> Frenguelli, 1951 ssp. <i>ornata</i> Bukry, 1977; p. 922, pl. 1, fig. 1; central North Atlantic Ocean (DSDP site 335), U. Pliocene.	E2-8
<i>Dictyocha prearentis</i> Bukry, 1976; p. 894, pl.6, figs. 10,11; Falkland plateau, South Atlantic Ocean (DSDP sites 327A), L. Palaeocene.	E2-6
<i>Dictyocha pulchella</i> Bukry, 1975; p. 687, pl. 4, fig. 1; South Pacific Ocean (DSDP site 285), M. and U. Miocene.	E2-2
<i>Dictyocha pumila</i> (Ciesielski, 1975) Bukry, 1978; p. 642 (ex <i>Dictyocha fibula</i> var. <i>pumila</i>).	E3-2
<i>Dictyocha quadrangula</i> (Bachmann, 1971) Bukry, 1978; p. 697 (ex <i>Distephanus staurodon</i> fa. <i>quadrangula</i>).	E3-3
<i>Dictyocha stapedia</i> Haeckel, 1887 ssp. <i>aspinosa</i> Bukry, 1976; p. 724, pl. 2, figs 7,8; southeastern Pacific Ocean (DSDP site 321), U. Quaternary.	E2-4
<i>Dictyocha subaculeata</i> (Bukry, 1980) Bukry, 1982; p. 433. (ex <i>Dictyocha aculeata subaculeata</i>).	E4-6
<i>Dictyocha subclinata</i> Bukry, 1981; p. 546, pl. 1, fig. 4; northeastern Pacific Ocean (DSDP site 470), U. Miocene (<i>Distephanus longispinus</i> Zone).	E4-4
<i>Dictyocha tamarae</i> Bukry, 1983; p. 328, pl. 5, figs. 7,8; Eastern tropical Pacific (DSDP site 504), U. Pliocene.	E4-8
<i>Dictyocha transenna</i> Bukry, 1982; p. 315, pl. 4, fig. 6; Eastern equatorial Pacific (DSDP site 503A), U. Miocene.	E4-7

<i>Dictyocha vanandelii</i> Bukry and Foster, 1973; p. 827, pl. 7, fig. 1; Carnegie Ridge, Panama Basin (DSDP site 157), U. Pliocene.	E5-2
<i>Dictyocha vexativa</i> Bukry, 1978; p. 642, pl. 1, fig. 12,13; Southeastern Atlantic Ocean (DSDP site 362), Quaternary.	E3-2
Distephanaceae fam. nov. Locker, 1974; p. 637 .	E6-6
<i>Distephanus boliviensis</i> (Frenguelli, 1940) Bukry & Foster, 1973 ssp. <i>frugalis</i> Bukry, 1975; p. 688, pl. 2, fig. 6; Northwest Pacific Ocean (DSDP site 304), U. Miocene and L. Pliocene.	E2-2
<i>Distephanus boliviensis</i> (Frenguelli, 1940) Bukry & Foster, 1973 ssp. <i>major</i> (Frenguelli, 1951) Bukry, 1975; p. 688 (ex <i>Dictyocha boliviensis</i> ssp. <i>major</i>).	E2-2
<i>Distephanus boliviensis</i> (Frenguelli, 1940) Bukry and Foster, 1973; p. 827 (ex <i>Dictyocha boliviensis</i>).	E5-2
<i>Distephanus boliviensis</i> (Frenguelli, 1940) Bukry <i>lingii</i> Bukry, 1975; p. 688, pl. 1, fig. 6; Northwest Pacific Ocean (DSDP site 303), U. Miocene or L. Pliocene.	E2-2
<i>Distephanus crux</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>darwinii</i> Bukry, 1976; p. 895, pl. 7, figs. 6,7; Falkland outer basin, South Atlantic Ocean (DSDP hole 328B), U. Oligocene.	E2-6
<i>Distephanus crux</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>hannai</i> Bukry, 1975; p. 855, pl. 4, fig. 5; Southern California Borderland, L. Miocene.	E2-1
<i>Distephanus crux</i> (Ehrenberg, 1840) Haeckel, 1887 ssp. <i>loeblichii</i> Bukry, 1978; p. 817, pl. 3, figs. 12,13; Argentine Basin, South Atlantic Ocean (DSDP site 328), Oligocene.	E3-5
<i>Distephanus crux</i> (Ehrenberg) Haeckel ssp. <i>carolae</i> Bukry, 1982; p. 315, pl. 5, fig. 6; Eastern equatorial Pacific (DSDP site 503A), U. Miocene.	E4-7
<i>Distephanus crux</i> (Ehrenberg) Haeckel ssp. <i>parvus</i> (Bachmann, 1967) Bukry, 1982; p. 433. (ex <i>Dictyocha crux</i> forma <i>parva</i>).	E4-6
<i>Distephanus crux</i> (Ehrenberg)-Haeckel ssp. <i>scutulatus</i> Bukry, 1982; p. 433, pl. 4, fig. 9; Eastern North Pacific Ocean (DSDP site 495), L. and M. Miocene.	E4-6
<i>Distephanus frugalis</i> (Bukry, 1975a) Bukry, 1979; p. 561 (ex <i>Distephanus boliviensis</i> ssp. <i>frugalis</i>)..	E3-7
<i>Distephanus hannai</i> (Bukry, 1975b) Bukry, 1979; p. 561 (ex <i>Distephanus crux</i> ssp. <i>hannai</i>)..	E3-7
<i>Distephanus jimlingii</i> (Bukry, 1975a) Bukry, 1979; p. 561-2 (ex <i>Distephanus boliviensis</i> ssp. <i>jimlingii</i>)..	E3-7
<i>Distephanus longispinus</i> (Schulz, 1928) Bukry and Foster, 1973; p. 828 (ex <i>Distephanus crux</i> fa. <i>longispina</i>).	E5-2
<i>Distephanus longispinus</i> (Schulz, 1928) Perch-Nielsen, 1975; p. 687 (ex <i>Distephanus crux</i> fa. <i>longispina</i>) **invalid: junior synonym**.	E7-1
<i>Distephanus macilentus</i> (Deflandre, 1950) Perch-Nielsen, 1975; p. 687 (ex <i>Dictyocha macilenta</i>).	E7-1
<i>Distephanus minutus</i> (Bachmann, 1967) Bukry and Foster, 1973; p. 828 (ex <i>Distephanus speculum</i> fa. <i>minuta</i>).	E5-2
<i>Distephanus octacanthus</i> (Desikachary and Maheshwari, 1956) Bukry and Foster, 1973; p. 828 (ex <i>Distephanus crux</i> var. <i>octacanthus</i>).	E5-2
<i>Distephanus octonarius</i> (Ehrenberg, 1844) Perch-Nielsen, 1975; p. 687 (ex <i>Dictyochia octonaria</i>).	E7-1
<i>Distephanus paradistephanus</i> (Tsumura, 1963) Bukry & Monechi, 1985; p. 379 (ex <i>Dictyocha paradistephanus</i>).	E6-3
<i>Distephanus parvus</i> (Bachmann, 1967) Bukry and Foster, 1973; p. 828 (ex <i>Distephanus crux</i> fa. <i>parva</i>).	E5-2
<i>Distephanus polyactis</i> (Ehrenberg) Deflandre var. <i>litteratus</i> Bukry, 1982; p. 433, pl.5, fig. 4; Eastern North Pacific Ocean (DSDP site 495), U. Miocene.	E4-6
<i>Distephanus polyactis</i> (Ehrenberg) Dumitrica, 1973 ssp. <i>crassus</i> Bukry, 1977; p. 922, pl. 1,.	E2-8
<i>Distephanus pseudocrux</i> (Schulz, 1928) Bukry, 1979; p. 562 (ex <i>Distephanus speculum</i> forma <i>pseudocrux</i>)..	E3-7
<i>Distephanus pseudofibula</i> (Schulz, 1928) Bukry, 1976; p. 848 (ex <i>Dictyocha speculum</i> fa. <i>pseudofibula</i>).	E2-7
<i>Distephanus quinquangellus</i> Bukry and Foster, 1973; p. 828. Nomen novum pro <i>Distephanus pentagonus</i> (Lemmermann, 1901) , ex <i>Distephanus speculum</i> var. <i>pentagonus</i>	E5-2

- Lemmermann, 1901, p. 264, pl. 11, fig. 19) Non: *Distephanus pentagonus* Wailes, 1939..
- Distephanus raupii* Bukry, 1976; p. 895, pl. 7, figs. 14,15; Falkland outer basin, South Atlantic Ocean (DSDP site 328), U. Oligocene and L. Miocene. E2-6
- Distephanus septenarius* (Ehrenberg, 1844) Perch-Nielsen, 1975; p. 688 (ex *Dictyocha septenaria*). E7-1
- Distephanus speculum* (Ehrenberg, 1839) Haeckel, 1887 *haliomma* (Ehrenberg, 1844) Bukry, 1978; p. 697 (ex *Dictyocha haliomma*). E3-3
- Distephanus speculum* (Ehrenberg, 1839) Haeckel, 1887 ssp. *binoculus* (Ehrenberg, 1844) Bukry, 1975; p. 855 (ex *Dictyocha binoculus*). E2-1
- Distephanus speculum* (Ehrenberg, 1839) Haeckel 1887 ssp. *giganteus* Bukry, 1976; p. 848, pl. 2, fig. 1; Norwegian-Greenland Sea (DSDP site 338), M. Miocene. E2-7
- Distephanus speculum* (Ehrenberg, 1839) Haeckel, 1887 ssp. *hemisphaericus* (Ehrenberg, 1844) Bukry, 1975; p. 855 (ex *Dictyocha hemisphaerica*). E2-1
- Distephanus speculum* (Ehrenberg, 1839) Haeckel, 1887 ssp. *polyommata* (Schulz, 1928) Bukry, 1978; p. 818 (ex *Cannopilus hemisphericus* f. *polyommata*). E3-5
- Distephanus speculum* (Ehrenberg, 1839) Haeckel, 1887 ssp. *quintus* (Bukry and Foster 1973) Bukry, 1975; p. 855 (ex *Cannopilus quintus*). E2-1
- Distephanus speculum* (Ehrenberg, 1839) Haeckel, 1887 ssp. *triommata* (Ehrenberg, 1845) Bukry, 1976; p. 896 (ex *Dictyocha triommata*). E3-5
- Distephanus speculum* (Ehrenberg, 1839) Haeckel, *elongatus* Bukry, 1975; p. 688, pl. 2, figs. 8,9; Northwest Pacific Ocean (DSDP site 303), Neogene. E2-2
- Distephanus speculum* (Ehrenberg) Haeckel ssp. *bispicatus* Bukry, 1982; p. 315,316, pl. 6, fig. 2; Eastern equatorial Pacific (DSDP site 503A), U. Miocene to U. Pliocene. E4-7
- Distephanus speculum* (Ehrenberg), Haeckel ssp. *patulus* Bukry, 1982; p. 433,434, pl.5, fig. 7; Eastern North Pacific Ocean (DSDP site 495), Oligocene to M. Miocene. E4-6
- Distephanus speculum* (Ehrenberg) Haeckel ssp. *tenuis* Bukry, 1982; p. 316, pl. 6, figs. 5-11; Eastern equatorial Pacific (DSDP site 503A), U. Miocene. E4-7
- Distephanus speculum diommata* (Ehrenberg, 1854) Bukry, 1979; p. 562 (ex *Dictyocha diommata*). E3-7
- Distephanus staurodon* (Ehrenberg, 1844) Bukry, 1978; p. 697 (ex *Dictyocha staurodon*). E3-3
- Distephanus stradneri* (Jerkovic, 1965) Bukry, 1978; p. 698 (ex *Dictyocha schauinslandii* var. *stradneri*). E3-3
- Distephanus sulcatus* Bukry, 1979; p. 562, pl. 4, figs. 4,5; North Atlantic Ocean (DSDP site 407), U. Pliocene. E3-7
- Distephanus trioctus* Bukry, 1978; p. 818, pl. 5, figs. 2,3; Southern California Borderland, M. or L. Miocene (*Corbisema triacantha* Zone). E3-5
- Distephanus varians* (Gran and Braarud, 1935) Bukry, 1976; p. 849 (ex *Distephanus speculum* fa. *variens*). E2-7
- Distephanus? acanthicus* Bukry, 1978; p. 816, pl. 3, figs. 1,2; Blake Plateau, western North Atlantic Ocean (DSDP Hole 390A), L. Eocene (*Naviculopsis foliacea* Zone). E3-5
- Lyamula arctica* Bukry, 1981; p. 60, fig. 2; Arctic Ocean, Maastrichtian. E4-5
- Lyamula burchardae* Bukry, 1981; p. 61, fig. 4; Arctic Ocean, Maastrichtian. E4-5
- Lyamula deflandrei* Perch-Nielsen and Edwards, 1975; p. 688, pl. 8, fig. 9; southwest Pacific (DSDP site 275), U. Cretaceous. E7-1
- Lyamula porta* Bukry 1981; p. 61, fig. 6; Arctic Ocean, Maastrichtian. E4-5
- Mesocena apiculata* (Schulz, 1928) Ling, 1972 ssp. *inflata* Bukry, 1978; p. 786, pl. 3, fig. 3; Northwest Atlantic Ocean (DSDP site 385), L. or M. Eocene. E3-4
- Mesocena apiculata* Schulz, 1928 ssp. *curvata* Bukry, 1976; p. 849, pl. 2, fig. 15; Norwegian-Greenland Sea, L. and M. Miocene. E2-7
- Mesocena apiculata* Schulz, 1928 ssp. *glabra* (Schulz, 1928) Bukry, 1978; p. 698 (ex *Mesocena polymorpha* var. *triangula* fa. *glabra*). E3-3
- Mesocena diodon* Bukry, 1978 ssp. *borderlandensis* Bukry, 1981; p.547, pl. 4, fig. 8; northeastern Pacific Ocean (DSDP site 469), U. Miocene (*Distephanus pseudofibula* Zone). E4-4
- Mesocena diodon* Ehrenberg, 1844 ssp. *nodosa* Bukry, 1978; p. 818, pl. 5, figs. 14,15; Meiji Guyot, Emperor Seamounts, northwestern North. E3-5

<i>Mesocena dimitricae</i> (Perch-Nielsen 1975) Bukry, 1986; p. 930 (ex <i>Paradictyocha dimitricae</i>);	E6-2
<i>Mesocena hexalitha</i> Bukry, 1981; p. 547,548, pl. 5, fig. 5; northeastern Pacific Ocean (DSDP site 470), U. Miocene (<i>Distephanus longispinus</i> Zone).	E4-4
<i>Mesocena ovata</i> Bukry, 1978; p. 786, pl.3, fig. 6; Northwest Atlantic Ocean (DSDP site 384), U. Paleocene and M. Eocene.	E3-4
<i>Mesocena venusta</i> Bukry, 1978; p. 832, pl. 1, fig. 11; South Atlantic Ocean (DSDP site 356), M. Eocene.	E3-1
<i>Mesocena? connudata</i> Bukry, 1978; p. 786, pl. 3, fig. 4; Northwest Atlantic Ocean (DSDP site 384), U. Paleocene (<i>Naviculopsis constricta</i> Zone).	E3-4
<i>Naviculopsis americana</i> Bukry, 1984; p. 151, pl. 5, fig. 2; California, M. Eocene.	E1-1
<i>Naviculopsis constricta</i> (Schulz, 1928) Bukry, 1984; p. 151, 152. (ex <i>Dictyocha navicula</i> var. <i>biapiculata</i> fa. <i>constricta</i>).	E1-1
<i>Naviculopsis contraria</i> Bukry, 1982; p. 434, pl. 6, fig. 5; Eastern North Pacific Ocean (DSDP site 495), L. Miocene (<i>Naviculopsis ponticula</i> Zone).	E4-6
<i>Naviculopsis eobiapiculata</i> Bukry, 1978; p. 787, pl. 4, fig. 9; Northwest Atlantic Ocean (DSDP site 385), Eocene and Oligocene.	E3-4
<i>Naviculopsis foliacea</i> Deflandre, 1950 ssp. <i>tumida</i> Bukry, 1978; p. 820 pl. 8, figs. 1,2; Blake Plateau, western North Atlantic Ocean (DSDP site 390), L. Eocene (<i>Naviculopsis foliacea</i> Zone).	E3-5
<i>Naviculopsis lacrima</i> Bukry, 1982; p. 434, pl. 7, fig. 3; Eastern North Pacific Ocean (DSDP site 495), L. Miocene.	E4-6
<i>Naviculopsis lata</i> (Deflandre) Frenguelli var. <i>obliqua</i> Bukry, 1982; p. 434, holotype fig. 2 (13) of Sawamura and Otowa (1979); North Pacific, L. Miocene.	E4-6
<i>Naviculopsis minor</i> (Schulz, 1928) Bukry, 1984; p. 152 (ex <i>Dictyocha navicula</i> var. <i>minor</i>).	E1-1
<i>Naviculopsis nordica</i> Bukry, 1976; p. 849, pl. 2, fig. 12; Norwegian-Greenland Sea (DSDP site 340), M. or U. Eocene.	E2-7
<i>Naviculopsis nordica</i> Bukry, 1976 ssp. <i>hyalina</i> Bukry, 1976; p. 849, pl. 2, fig. 10; Norwegian-Greenland Sea (DSDP site 340), M. or U. Eocene.	E2-7
<i>Naviculopsis obtusarca</i> Bukry, 1978; p. 821; holotype: pl. 3, fig. 4 of Bukry, 1977b; Eastern North Atlantic Ocean (DSDP site 370), U. Oligocene or L. Miocene.	E3-5
<i>Naviculopsis ponticula</i> (Ehrenberg, 1844b) Bukry, 1976; p. 897 (ex <i>Dictyocha ponticulus</i>).	E2-6
<i>Naviculopsis ponticula</i> (Ehrenberg) Bukry, 1980 ssp. <i>spinosa</i> Bukry, 1982; p. 434, 435, pl. 9, fig. 2; Eastern North Pacific Ocean (DSDP site 495), L. Miocene.	E4-6
<i>Naviculopsis punctilia</i> Perch-Nielsen, 1976 ssp. <i>taenia</i> Bukry, 1976; p. 894, pl. 2, fig. 5; Norwegian-Greenland Sea (DSDP site 340), M. or U. Eocene.	E2-7
<i>Paradictyocha dimitricae</i> Perch-Nielsen, 1975; p. 689, pl. 11, fig. 7; DSDP site 278, U. Miocene to Pliocene.	E7-1
<i>Septomesocena quadrangula</i> (Schulz, 1928) Perch-Nielsen, 1975; p. 690 (ex <i>Mesocena oamaruensis</i> var. <i>quadrangula</i>).	E7-1
<i>Vallacerta siderea</i> (Schulz 1928) Bukry, 1981; p. 62. (ex <i>Dictyocha siderea</i>).	E4-5

THE INTERNATIONAL NANNOPLANKTON ASSOCIATION

PRESIDENT

Katharina von Salis Perch-Nielsen
Geologisches Institut ETH-Z
CH-8092 Zürich
Switzerland
Tel. 41-(0)1-256-3695

SECRETARY

Kevin Cooper
Stratigraphic Services Int.
Surrey Research Park
Guildford GU2 5YL, UK
Fax 44-(0)483-31106

TREASURER

Nicky Hine
British Geological Survey
Keyworth
Nottingham NG12 5GG, UK
Fax 44-(0)602-363200

US TREASURER

Stephan A. Root
Mobil EPSI
P.O. Box 650232
Dallas
Texas 75265-0232, USA

NOMENCLATURAL SECRETARY

Shirley E. van Heck
c/o NAM, XGS/3
Schepersmaat 2
9405 TA Assen
The Netherlands

NEWSLETTER EDITOR

Jeremy R. Young
Palaeontology Dept.
The Natural History Museum
London SW7 5BD, UK
Tel. 44-(0)71-938-8996
Fax. 44-(0)71-938-9277

DEPUTY EDITOR

Paul R. Bown
Micropalaeontology Unit
University College London
London WC1E 6BT, UK
Tel. 44-(0)71-387-7050 Ext.2431

BIBLIOGRAPHER

William G. Siesser
Dept. of Geology
Vanderbilt University
Nashville
Tennessee 37235, USA

SILICOFLAGELLATE BIBLIOGRAPHER

Stacia Spaulding
1929 Brighton Place
Harvey
Louisiana 70130, USA

ODP CORRESPONDENT

John Firth
Ocean Drilling Project
Texas A&M University
College Station
Texas 77840, USA

INA MEMBERSHIP: Open to anyone interested, on receipt of subscription. Subscription is £12 (students £6) per annum. Send to Treasurer. Or \$20 (Students \$10), send to US Treasurer. Membership queries and changes of address send to Secretary.

BIBLIOGRAPHIES: Please send reprints of any coccolith, calcisphere or silicoflagellate articles to the relevant bibliographer.

BACK ISSUES: All issues available, from Treasurer. Price per issue: Non-members £12/\$20; Members £6/\$10; Student members £3/\$5. For air mail delivery add £1/\$2 per issue. Full set of back issues £70 (inc. postage).

COPYRIGHT: Any part of the Newsletter may be reproduced for scientific or educational purposes. Wherever appropriate the source and authors should be clearly noted.

NEWSLETTER MATTERS: Send all contributions, suggestions etc. to the editor. *Deadline for next issue 15th October 1992.* For advice to contributors see inside back cover.

ADVERTISING: Advertisements are welcome, at a rate of £40/page, £20/half page etc. Contact editor for queries.