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= DEEP SEA DRILLING PROJECT =
= PALEONTOLOGY DATA BASE =
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I. INTRODUCTION

A. BACKGROUND AND METHODS

The Deep Sea Drilling Project (DSDP) paleontologic data base is prepared from data published in the DSDP Initial Reports. The data base contains all of the \*\*Cenozoic paleo data from each Initial Report. Reworked material is not included as part of the data set.

All records within the data base have the same basic format. If multiple physical records are needed to complete a logical record (a complete slide description) then columns 1-91 are repeated on successive physical records. The last two columns store the physical record number pertaining to each logical record. Every record is 234 characters in length.

The data is organized first by fossil group then by the cruise leg number. Since there may be more than one investigator contributing studies for the same fossil group and leg, each investigator's name appears on the record along with an Initial Report volume number and page reference.

\*\* For data on sediments older than the Cenozoic, contact:

Please see current system notes.

B. LEGS IN DATA SET

The database currently contains data for legs 1-96.

C. DATA REQUESTS

These data are archived at the National Geophysical Data Center in Boulder, Colorado.

## II. FORMAT AND FIELD DESCRIPTIONS

## A. DATA FORMAT

Record length = 234 characters

COLUMN	FIELD	FORMAT
=====	=====	=====
1-2	LEG	A2
3-5	SITE	A3
6	HOLE	A1
7-9	CORE	A3
10-11	SECTION	A2
12-15	TOP INTERVAL DEPTH (cm)	F4.1
16-19	BOTTOM INTERVAL DEPTH (cm)	F4.1
20-27	COREDEPTH (meters)	F8.2
28-35	SAMPLE DEPTH (meters)	F8.2
36-37	TOTAL NUMBER OF OBSERVED FOSSILS (0-99)	I2
38-67	INVESTIGATORS NAME(S)	A30
68-72	PUBLICATION DATE (month/year)	A5
73-74	DSDP INTITIAL REPORT VOLUME NUMBER	I2
75	FOSSIL GROUP CODE (A-Z)	A1
76	GROUP ABUNDANCE	A1
77	CHEMICAL OVERGROWTH (scaled 0-3)	A1
78	CHEMICAL DISSOLUTION (scaled 0-3)	A1
79	MECHANICAL PRESERVATION (G,M,P)	A1
80-87	AGE CODE	A8
88-91	PAGE NUMBER REFERENCE	A4
92-231	FOSSIL CODE/ADUNDANCE/PRESERVATION GROUPS*	10A14
	** Up to 10 groups allowed per record	
	FOSSIL CODE (characters 1-9)	
	FOSSIL ABUNDANCE (characters 10-11)	
	SLASH "/" (character 12) (optional)	
	FOSSIL PRESERVATION (char.13-14) (optional)**	
232	RECORD JOIN CODE	A1
233-234	PHYSICAL RECORD NUMBER (1,2,...)	I2

\*\*NGDC NOTE: No preservation data were found in this field. Also note that the genus/species is usually as found in the Initial Reports-Genera/species which have been renamed may be found Under more than one name/code - please see fossil codes dictionary

## B. FIELD DESCRIPTIONS

The definition of leg, site, hole, core and section may be found in the explanatory notes. In addition, the special core designations, as well as the methods of sample labeling and calculating absolute sample depths are discussed.

## INTERVAL DEPTH:

The depth in centimeters from the top of the core section. Values are written with an implicit decimal point ("1234" = 123.4 cm.). The tenths digit is typically zero.

## CORE DEPTH:

The subbottom depth in meters to the top of the core.

## SAMPLE DEPTH:

The subbottom depth in meters to the middle of the sample.

## CHEMICAL OVERGROWTH:

A measure of the chemical deposition of material on the surface of the fossil(s). It is an integer scale from 0 to 6, where 0 represents no overgrowth, and 6 is maximum overgrowth.

## CHEMICAL DISSOLUTION:

A measure of the amount of fossil dissolution which has taken place. It is an integer scale from 0 to 6 where 0 represents no dissolution and 6 maximum dissolution.

## MECHANICAL PRESERVATION:

A measure of the physical condition of the fossil(s) in the sample.

G=GOOD            M=MODERATE        P=POOR

## GROUP ABUNDANCE:

Gives the relative abundance of the fossil group using the following scale.

P=PRESENT        T=TRACE            R=RARE            F=FEW  
C=COMMON        A=ABUNDANT        D=DOMINANT

## GROUP CODE:

There were twenty-six (A-Z) fossil group codes. Only twenty-one groups have data files.

GROUP CODE	GROUP NAME
=====	=====
A	APTYCHI
B	BENTHIC FORAMINIFERA
C	DINOFLAGELLATES
D	DIATOMS
E	CRINOIDS
F	PLANKTONIC FORAMINIFERA
G	ALGAE
H	* PTEROPODS
I	* MISCELLANEOUS FOSSILS
J	ARCHAEOMONADS
K	CALCISPHERULIDES
L	* CALPIONELLIDS
M	* MOLLUSCS
N	NANNOFOSSILS
O	OSTRACODES
P	POLLEN AND SPORES
Q	EBRIDIAN & ACTINICIDIANS
R	RADIOLARIA
S	SILICOFLAGELLATES
T	TRACE FOSSILS
U	* COPROLITHS
V	RHYNCOLLITES
W	AMMONITES
X	PHYTOLITHARIA
Y	FISH DEBRIS
Z	BRYOZOANS

\* Not represented in the DSDP data base.

## AGE CODE:

The age code is an eight digit integer which represents the age that has been assigned to the interval from which the sample was taken. An age code dictionary is available as a separate file which normally accompanies the paleo data base (see page 7).

## PAGE NUMBER REFERENCE

Indicates the page number or appendix (APP) within the Initial Report from which the information was taken. It may

also indicate that the information came from a supplemental (SUPP) publication.

FOSSIL CODE/ABUNDANCE/PRESERVATION GROUP

A fourteen character repeating data field which identifies each fossil and indicates relative abundance and state of preservation. The structure of this group code is outlined below.

CHARACTER	REPRESENTS
=====	=====
1	FOSSIL CODE: GROUP CODE (A-Z)
2-5	GENUS CODE
6-9	SPECIES NUMBER
10-11	FOSSIL ABUNDANCE
12	slash "/" (optional)
13-14	FOSSIL PRESERVATION (optional)

FOSSIL CODE (characters 1-9): The fossil code contains a group code (A-Z), a 4 letter genus code and a 4 digit species number. There is a fossil code dictionary, available as a separate data file, which lists the codes and the corresponding fossil names. Within the dictionary, any fossil whose name is followed by a parenthetically enclosed Q "(Q)" has a questionable identity. This allows for a fossil whose identity was not certain to be associated with a distinct code.

FOSSIL ABUNDANCE (characters 10-11): Equivalent to the group abundance field described earlier except that numerical percentages (0-99%) may also occur.

FOSSIL PRESERVATION (characters 13-14): If a letter is encoded (G,M,P) it represents the level of mechanical preservation mentioned earlier. If an integer is encoded the information is related either to chemical dissolution (-6 to 0) or chemical overgrowth (0 to +6) as described earlier.

RECORD JOIN CODE:

Indicates the treatment of duplicate source records. In most cases data from duplicate records represents data from the same slide examination which was displayed in different parts of the Initial Report. These records are joined with all data assigned to the page number representing the major

source. An encoded "P" indicates that the logical record contains two or more observations of the same slide, eg. a range chart entry and a plate reference. An "I" code indicates the data manager felt the observations should remain independent.

AGE CODE DICTIONARY FILE  
 =====

The age codes are integer values which represent specific geological ages. The construct of the code in eight digits allows immediate recognition of age level (i.e. era, period, epoch, etc.). As an auxiliary file the age code dictionary is necessary for interpreting the ages assigned to each record within the paleo data base. The file contains all of the numeric age codes, age names and age mnemonics used by the Deep Sea Drilling Project.

AGE CODE FORMAT

COLUMN	FIELD	FORMAT
=====	=====	=====
1-6	AGE MNEMONIC	A6
7-14	AGE CODE	I8
15	space	X1
16	AGE LEVEL (1-7)	I1
17	space	X1
18-37	AGE NAME (full name)	A20
38-43	UPPER AGE MNEMONIC	A6
44-50	UPPER AGE CODE	I7
51	space	X1
52-57	LOWER AGE MNEMONIC	I6
58-64	LOWER AGE CODE	I7
65	space	X1
66-70	UPPER AGE (million years)	F5.0
73-77	LOWER AGE (million years)	F5.0
78-80	space	X3

AGE CODE:

An eight digit hierarchical code which represents a specific age. The code is designed to provide age level information as outlined below.

CODE DIGIT	AGE LEVEL
=====	=====

1	(1) ERA
2-3	(2) PERIOD
4	(3) SUBPERIOD
5	(4) EPOCH
6	(5) SUBEPOCH
7	(6) STAGE
8	(7) SUBSTAGE

DSDP/Paleo 8/86

Page 7

AGE MNEMONIC:

An abbreviation of the age name.

AGE (million years):

The upper and lower absolute age assigned by the DSDP to each geological age. Absolute ages were assigned for internal DSDP use only and are subject to revision.

NGDC NOTES:

Age codes throughout the paleontology data files have the following problems which were fixed at NGDC:

- 1) Agecodes consisting of a single zero were expanded to eight zeros.
- 2) Seven-digit agecodes were changed to eight by adding a zero.
- 3) Non-matching codes were hand-edited after checking the Initial Reports volumes (see list of Legs/Holes/Cores/Sections for each data file below).

FOSSIL CODE DICTIONARY FILE  
 =====

The fossil code dictionary is an auxillary file which contains all of the fossil codes and their corresponding names. This dictionary is required to interpret the fossil codes used within the DSDP paleo data base. In order to accomodate instances where fossil identification is in question, there will be two codes for the same fossil. One code is used when a postive identification was made and the other whenever the identification was questionable. If the identification was questionable the fossil name is followed by a parenthetically enclosed Q "(Q)".

DICTIONARY FORMAT

COLUMN	FIELD	FORMAT
=====	=====	=====
1-9	DICTIONARY FOSSIL CODE	A9
10	space	X1
11-80	DICTIONARY FOSSIL NAME	A70

DICTIONARY FOSSIL CODE:

The dictionary fossil code coincides with the nine character fossil code described earlier in this document (see FOSSIL CODE/ABUNDANCE/PRESERVATION).

CHARACTER	REPRESENTS
=====	=====
1	GROUP CODE
2-5	GENUS CODE
6-9	SPECIES NUMBER



DICTIONARY FOSSIL NAME:

The complete fossil name. A fossil name followed by a parenthetically enclosed Q "(Q)" denotes instances when identification was questionable. Spelling of the names were recorded as they appeared in the Initial Reports. When conflicts in spelling did occur DSDP attempted to resolve them by consulting with a paleontologist in the appropriate field. In cases where conflicts were not resolved, both names are included and both should be searched for if the user believes they are the same species. Occasionally, two numbers may appear for the same fossil. the user should be aware that both codes should be searched for to insure finding all occurrences of that particular species.

NGDC NOTE: There are still some spelling errors and inconsistencies.

DSDP/Paleo 8/86

Page 9

NGDC NOTES: Considering the enormous amount of data, these files were remarkably clean. However, in files of such size, even a very small percentage of errors can be significant to the user, so we have attempted to resolve as many problems as possible before including the data on this CD-ROM.

AGECODES: Problems with agecodes are summarized on page 7 of this documentation file. A computer algorithm was applied to the data base to add trailing zeros in the eighth position or zero-fill the code if it was blank except for one zero. These two steps were taken after careful inspection of the data so that users could use the agecodes files more effectively in conjunction with the paleontology files. After these corrections were made, the files were again checked for codes not represented in the agecodes file. There were very few mismatches at this point, and they were hand-edited after consulting the Initial Reports. A list of these hand-edits is given by fossil group below in case the user would like to confirm the changes. The following fossil groups had no incorrect agecodes: Ammonites, Crinoids, Phytolitharia, and Rhynchonellites.

FOSSIL CODES: In some of the fossil groups, species codes were found in the data file which were not represented in the fossil codes dictionary for that group. All code mis-matches were resolved by first consulting the Initial Reports, then taking suggested corrections to experts in the field for final judgement. (The ODP staff assisted with the diatoms, pollen, and ostracods.) NGDC thanks the several micropaleontologists who graciously assisted us, including (alphabetically) Dr. David Bukry, Dr. Stefen Gartner, Dr. William Hay, Dr. Alfred Loeblich, Dr. Ted Moore, Dr. William Riedel, and Dr. John Saunders. Please note, however, that if the resolutions are incorrect, it is the responsibility of the NGDC for insufficiently researching the problem. Many of the researchers who kindly assisted us may not have had access to all of the necessary documentation to retrace the inconsistencies and were working only from information supplied by NGDC (or in the case of diatoms, ostracods, and pollen by ODP). Also, users should be aware that codes which are incorrect

in the data files but do match the fossil codes dictionary are not flagged but may occur occasionally due to coding or entry errors.

SEQUENCING ERRORS: Cores found out of order in the data base were moved to their proper position. Out-of-order sections may still occur within a core.

INTERVAL DEPTHS: In some cases, depths to top/bottom of interval may be blank, or depth to bottom of interval may be blank or zero, giving an apparent bottom depth less than top depth.

CHANGES MADE BY GROUP:

BENTHIC FORAMS

Age codes:

Age (IR)	Old Code	New Code	Leg/Hole/Core/Section
L. Oligocene	10331050	10331500	60/459B/56/ 3, 4, CC 60/459B/57/ 1, 2, 3 60/459B/58/ 1, 2, 3 60/459B/59/ 1, 2

Fossil Codes:

Species in IR	Code in Data	Changes Made by NGDC
Aragonia sp.	BARAO0030	to BARAG0055 (Aragonia sp. in dictionary)
Bulimina pupoides	BBULI0341	to BBULI0340 (B. pupoides in dictionary)
Cassidulinoides braziliensis	BCASI0025 BCASI0027	to BCASD0025 (C. braziliensis in dictionary)
Cibicidoides haitiensis	BCIBC0051	to BCIBC0050 (C. haitiensis in dictionary) (spelling change in dictionary to haitiensis)
Fissuriva laevigata	BFISS0035	to BFISS0036 (F. laevigata in dictionary)
Globocassidulina subglobosa	BGLOQ0010	to BGL000010 (G. subglobosa in dictionary)
Heterolepa grimsdalei	BHETE0050	to BHETE0005 (H. grimsdalei in dictionary)
Heterolepa kullenbergi	BHETE0009	to BHETE0017 (H. kullenbergi in dictionary)
Loxostomoides applinae	BLOXO0005	to BLOXO0015 (L. applinae in dictionary)

Nonion laeve                   BNONI0558 to BNONI0058 (N. laeve in dictionary)  
 Osangularia                 BOSAN0086 to BOSAN0093 (O. rugosa in dictionary)  
     rugosa

Fossil Codes Dictionary Modifications: Only obvious, gross spelling errors in a genus which occurred once in a long string of species of that genus were corrected. Inspection was visual and no guarantees are given of thoroughness. Code BCIBI0307 "CIB" was changed to Cibicides westi after inspection of data and Initial Reports.

#### DIATOMS

Age codes:

Age (IR)	Old Code	New Code	Leg/Hole/Core/Section
U. Paleocene	10535100	10335100	36/327A/ 6/ 4
M. Miocene	30313300	10313300	85/574 /25/CC

Fossil Codes:

Species in IR	Code in Data	Changes Made (as suggested by ODP)
Arachnoidiscus sp.	DARAH0030	to DARAC0040, genus spelling change to Arachnodiscus
Raphidodiscus marylandicus	DRAPH0010	to DRHAH0010, genus spelling change to Raphidodicus
Roperia tessellata	DROBE0020	dictionary entry of DROPE0020 changed to DROBE0020
Stephanodiscus-Cyclotella	DSTCY0010	added to the dictionary as a new code
Stephanopyxis sp.	DSTEA0011	to DSTEA0010, apparent entry error
Stephanopyxis schenckii	DSTEA0245	to DSTEA0240 (S. schenckii in dictionary)
Stephanopyxis cf. schenckii	DSTEA0245	to DSTEA0246 (S. schenckii (Q) in dictionary)
Triceratium cruciformis(Q)	DTRIQ0101	to DTRIC0181 (T. cruciformis (Q) in dictionary)
Nitzschia trybionella	DNITZ0675	to DNITZ0655 (N. trybionella in dictionary)

#### NANNOFOSSILS

In addition to other problems noted, some planktonic foram data for Leg 23 was found in the nannofossil data file. It duplicated data in the planktonic foram data base and was deleted.

Age codes:

Age (IR)	Old Code	New Code	Leg/Hole/Core/Section
L. Miocene	10373500	10313500	8/ 70 /12/ 2
L. Pliocene	10111500	10311500	14/141 / 6/ 1
Paleocene	10355000	10335000	15/151 /11/ 6
M. Miocene	03133000	10313300	36/329 /26/ 3
Pleistocene	10103000	10133000	74/526 / 1/ 1,CC 74/526 / 2/ 1,CC 74/526B/ 1/ 1,CC

74/526B/ 2/CC  
 L. Pleistocene 10135000 10133500 84/568 /11/CC  
 84/568 /12/ 2,CC

Fossil Codes:

Species in IR	Code in Data	Changes Made By NGDC
Discoaster cf. lidzi & lidzii	NDISC0241	to NDISC0239 (D. lidzi (Q) in dictionary) dictionary spelling changed to lidzii
Cyclagelosphaera margereli	NCYCG0010	to NCYCL0030 (C. Margerelii in dictionary)
Cyclagelosphaera reinhardtii	NCYCG0020	to NCYCL0040 (Cyclagelosphaera reinhardtii in dictionary)
Cyclagelosphaera reinhardtii	NCYCG0020	same as above
Neochiastozygus cf. N. imbriei	NNEOC0038	to NNEOC0036 (N. imbriei (Q) in dictionary)
Calcidiscus leptoporus	NCALD0005	to NCALD0010 (C. leptoporus in dictionary) the dictionary entry for NCALD0005 read simply "C"

Fossil Codes Dictionary Modifications (with input from Dr. David Bukry):

- 1) NASTR0024 (Astronion echolsi) was removed as a nannofossil code as a suspected benthic foram.
- 2) The spelling of genus Bramlettius and genus Brammlettius were changed to Bramletteius
- 3) NCALD0005 "C" was removed, as was NCALD0006 Calcidiscus gammatum. Both represented duplicates of NCALD0004. All occurrences of NCALD0005 & 6 in the data file were changed to NCALD0004.
- 4) The spelling of species Catinaster coalitus was changed to Catinaster coalitus
- 5) NCERO0065 Ceratolithus helesmus was removed from the dictionary, and all occurrences of NCERO0065 changed to NCERO0090 Ceratolithus telesmus
- 6) The spelling of species Chiasmolithus subrotundus was changed to Chiasmolithus subrotundus
- 7) NCIBI0309 Cibicides whitei was removed as a suspected foram
- 8) NCOCO0054 Coccolithus copelogicus was removed from the dictionary, and all occurrences of NCOCO0054 in the data base were changed to NCOCO0100 coccolithus eopelagicus.
- 9) The spelling of species Cretarhabdus striatus was changed to Cretarhabdus striatus.
- 10) The spelling of species Cribrosphaera ehrenbergi was changed to ehrenbergii
- 11) The spelling of species Cruciplacolithus mustatus was changed to mutatus
- 12) All occurrences of s.l. were changed to s. ampl.
- 13) Discoaster druggi was changed to druggii
- 14) Discoaster intercalcarus (Q) was changed to intercalaris (Q)
- 15) Discoaster phyllodes (Q) was changed to phyllodus (Q)
- 16) Discoaster tani nodifer (Q) was changed to tanii nodifer (Q)
- 17) Micrascidites was noted as a tunicate by adding (tunicate) but left as a code because tunicates are not noted in other files
- 18) Nannoconus elongatus cylindricus was changed to elongatus cylindricus
- 19) Reticulofenestra placamorpha (small center) was changed to placamorpha (small center)
- 20) Reticulofenestra temistriata (Q) was changed to tenuistriata (Q)
- 21) Reticulofenestra umbilicata was changed to umbilica
- 22) Rhabdosphaera purlonga (Q) was changed to perlonga (Q)
- 23) NSPHN0161 Sphenolithus liperoensis was removed from the dictionary and all occurrences of NSPHN0161 in the data file were changed to NSPHN0050 Sphenolithus ciperensis
- 24) NTRI00012 Triquetrorhabdulus sp. cf. T. carinatus was removed and all

occurrences of NTRIQ0012 were changed to NTRIQ0011 *T. carinatus* (Q) to conform to treatment of other species  
 25) The spelling of species *Zygodiscus meudini* was changed to *meudinii*

OSTRACODS

Fossil Codes:

Species in IR	Code in Data	Changes Made (as suggested by ODP)
Argilloecia sp.	OARGI0010	changed dictionary code from OAGRI0010 to OARGI0010 to match data and other species of Argilloecia. Replaced all OAGRI0010 in the data base with OARGI0010
Cytheropteron sp.	OCYTP0010	added to dictionary
Bosquetina fenestratum	OROSQ0010	to OBOSQ0010 ( <i>B. fenestratum</i> in dictionary)

Fossil Codes Dictionary Modifications:

(made at NGDC - no ODP input)

1) Code OACAN0010 was listed as "ACA". This was modified in the dictionary to *Acanthocythereis* sp. (Q) after consulting the Initial Reports for the sample in which that code occurred (Vol. 87, page 605).

PLANKTONIC FORAMS

In addition to other problems noted, Leg 23 of the data were out of order with respect to the other legs, they were placed in proper order.

Age codes:

Age (IR)	Old Code	New Code	Leg/Hole/Core/Section
U. Pliocene	00311100	10311100	14/141 / 2/ 5
Oligocene	10531000	10331000	33/317B/25/ 4

Fossil Codes:

Species in IR	Code in Data	Changes Made By NGDC
<i>Globorotalia peripheronda</i>	FGLOA0385	to FGLOA0386, ( <i>G. peripheronda</i> in dictionary)
<i>Globorotalia sphericomiozea</i>	FGLOA0506	to FGLOA0507, ( <i>G. sphericomiozea</i> in dictionary)
<i>Globigerinoides bulloideus</i>	FGLOD0082	to FGLOD0080, ( <i>G. bulloides</i> in dictionary)
<i>Globigerinoides sacculifer</i> cf. <i>fistulosus</i>	FGLOD0491	added FGLOD0491 to dictionary as <i>G. sacculifer fistulosus</i> (Q)
<i>Globigerina pachyderma</i> (right coiling)	FGLOG0078	to FGLOG0575 ( <i>G. pachyderma</i> in dictionary) Note: left coiling had already been changed to FGLOG0575 at DSDP. For some intervals, two entries will appear with this code, so abundances must be totalled.
<i>Globigerina linaperta</i> (Q)	FGLOG4313	to FGLOG0416 ( <i>G. linaperta</i> (Q))
<i>Globigerina</i> sp.	FGLOG0586	to FGLOG0005 ( <i>Globigerina</i> sp. in dictionary)
<i>Globigerina</i> sp.	FGLOG0732	to FGLOG0005 ( <i>Globigerina</i> sp. in dictionary)
<i>Globigerinita</i>	FGL0T0101	added FGL0T0101 to dictionary as <i>G.</i>

glutinata s.l.		glutinata s.l.
Pseudogloboquadrina	FPSEG0050	to FPSEU0010 (P. primitiva in dictionary)
primitiva		
Woodringina sp.	FWODR0010	added FWODR0010 to dictionary as Woodringina sp. (FWODR matched other species) changed FWODR0010 to FWODR0010 in data

POLLEN & SPORES

Fossil Codes:

Species in IR	Code in Data	Changes Made (* = as suggested by ODP)
-----	-----	-----
Labiatae	PLABI0010	*to PLABA0010 (Labiatae in dictionary)
Ericaceae	PFRIA0010	to PERIA0010 (Ericaceae in dictionary)
Polyadopollenites sp.	PPOLD0010	to PPOLA0010 (Polyadopollenites sp. in dictionary)

RADIOLARIA

Age codes:

Age (IR)	Old Code	New Code	Leg/Hole/Core/Section
-----	-----	-----	-----
M. Miocene	10315300	10313300	31/296 /28/ 2

Fossil Codes:

Species in IR	Code in Data	Changes Made By NGDC
-----	-----	-----
Anthocyrtoma sp.	RANTC0010	to RANTT0010 (Anthocyrtoma sp. in dictionary)
Carpocaniidae	RCARI0010	added RCARI0010 to dictionary
Collosphaeridae	RCOLL0080	added RCOLL0080 to dictionary
Euchitonia furcata	REUCH0035	to REUCH0030 (E. furcata in dictionary)
Lithostrobus hexagonalis	RLITV0015	added RLITV0015 to dictionary
Lithostrobus sp.	RLITV0020	added RLITV0020 to dictionary
Ommatodiscus sp.	ROMMA0005	to ROMMO0005 (Ommatodiscus sp. in dictionary)
Orosphaeridae	ROROP0010	added ROROP0010 to dictionary

SILICOFLAGELLATES

Age codes:

Age (IR)	Old Code	New Code	Leg/Hole/Core/Section
-----	-----	-----	-----
Quaternary	10100010	10100000	16/157 / 7/ 5

Fossil Codes:

1) Several species of the genus Distephanus which were coded from vol 81, page 552 Table 5 for Hole 554, Core 8, Section 3 and Hole 554A, Core 1, Section 1 had been entered into the data with the 5-digit prefix for the genus Dictyocha (SDICT) rather than SDIST which indicated Distephanus. The prefixes were changed in the data for those two intervals only.

2) The spelling of two entries in the fossil codes dictionary for the

genus *Dictyocha* were modified from *Dityocha* to *Dictyocha* (SDICT0129, *D. concovata* & SDICT0495, *D. perfecta*).