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Summary of Results from the Age Reading of the
1958/59 ICNAF COD OTOLITH EXCHANGE PROGRAMME

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This note is prepared as a working paper for the subcommittee studying the Cod Otolith Exchange Programme.

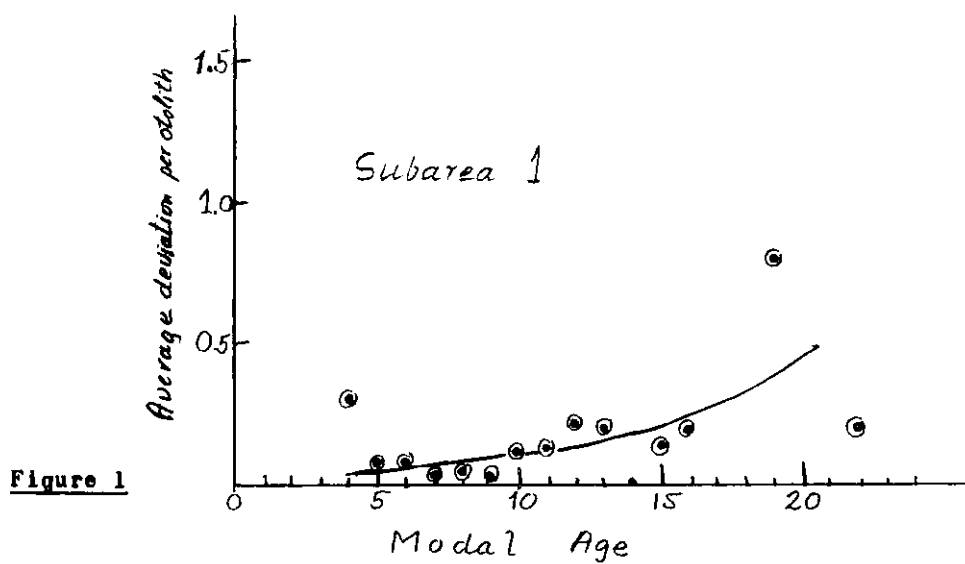
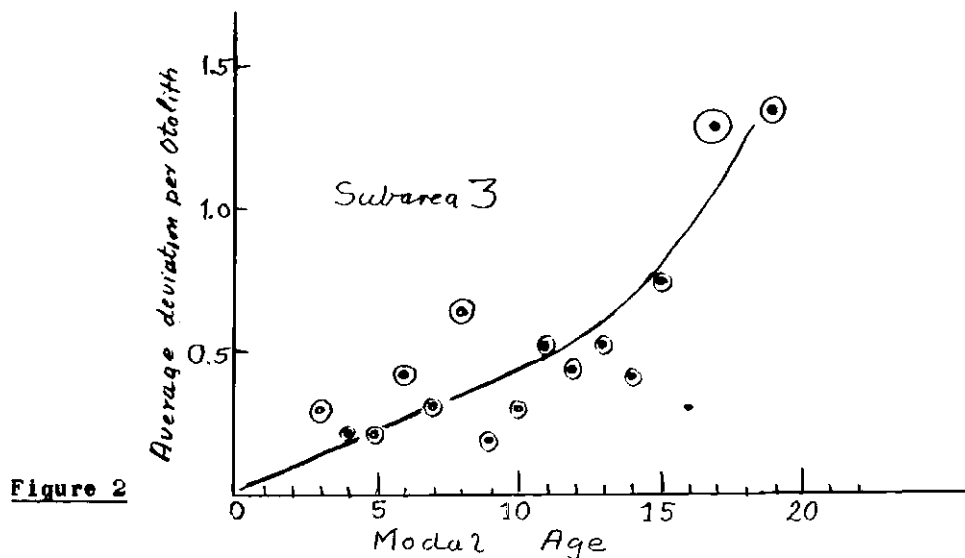
Tables I and II summarise some of the results of the age readings for Subareas 1 and 3 and Figures 1 and 2 illustrate the increasing error with increasing age. It is also apparent that the error of reading is greater for Subarea 3 than for Subarea 1.

Table I. Summary of six Subarea 1 samples (read by 5 or 6 scientists)

Modal Age	MATURE			IMMATURE			TOTAL
	No. Otoliths All Agree	Total No. Otoliths	Average Deviation per Otolith	No. Otoliths All Agree	Total No. Otoliths	Average Deviation per Otolith	Average Deviation per Otolith
3	-	-	-	-	-	-	-
4	-	-	-	1	4	0.25	0.25
5	-	-	-	3	5	0.08	0.08
6	3	3	0	4	6	0.12	0.08
7	6	6	0	8	11	0.06	0.04
8	11	13	0.04	6	8	0.08	0.05
9	10	11	0.02	1	3	0.13	0.04
10	10	16	0.10	-	1	0.50	0.12
11	9	11	0.09	-	1	0.50	0.13
12	4	8	0.18	1	2	0.40	0.22
13	1	2	0.20	-	-	-	0.20
14	3	3	0	-	-	-	0
15	-	3	0.20	1	1	0	0.15
16	-	1	0.20	-	-	-	0.20
17	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
19	-	1	0.80	-	-	-	0.80
20	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	1	0.20	-	-	-	0.20

Table II. Summary of six Subarea 3 samples (read by 3-5 scientists)

Modal Age	MATURE			IMMATURE			TOTAL
	No. Otoliths All Agree	Total No. Otoliths	Average Deviation per Otolith	No. Otoliths All Agree	Total No. Otoliths	Average Deviation per Otolith	Average Deviation per Otolith
3	-	-	-	0	1	0.30	0.30
4	1	3	0.20	4	10	0.23	0.22
5	3	6	0.27	3	8	0.18	0.21
6	2	11	0.44	1	10	0.43	0.43
7	2	9	0.31	2	5	0.30	0.31
8	2	9	0.62	0	2	0.75	0.65
9	3	7	0.19	-	-	-	0.19
10	3	12	0.30	-	-	-	0.30
11	0	6	0.52	-	-	-	0.52
12	1	5	0.44	-	-	-	0.44
13	0	4	0.52	-	-	-	0.52
14	0	4	0.42	-	-	-	0.42
15	0	4	0.75	-	-	-	0.75
16	0	1	0.30	-	-	-	0.30
17	0	1	1.30	-	-	-	1.30
18	0	-	-	-	-	-	-
19	0	2	1.35	-	-	-	1.35



Figures 1 & 2. Trend in average deviation (years) from modal age with increasing modal age.

