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INSTITUT SENECAIS DE  
RECHERCHES AGRICOLES

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STRUCTURE DEMOGRAPHIQUE  
DES CAPTURES DES SARDINIERS DAKAROIS  
EN 1977

par

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CENTRE DE RECHERCHES OCEANOGRAPHIQUES  
DE DAKAR-THIAROYE  
(SENEGAL)

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#### R E M E R C I E M E N T S

Les auteurs tiennent à exprimer tous leurs remerciements à Messieurs SOW A. et BENGA A., techniciens du Centre de Recherches océanographiques de Dakar-Thiaroyr, pour l'aide qu'ils ont apportée lors de la collecte et de la saisie des données de base.

## INTRODUCTION

Ce document de travail présente la structure démographique des captures des sardiniers dakarois en 1977.

Les sardiniers basés à Dakar en 1977 étaient au nombre de 12, ils n'ont pas tous travaillé de façon continue. Les noms de ces bateaux sont les suivants :

FILS DE LA VIERGE, JANICK DANTELE, SARENE, PENDA SARR, ALOUAR, KHADI JY, BAHIIJA, JULES et NICOLAS (à partir de mars) THIAROYE (sauf de mi-avril à mi-juillet), GOUYE BENNEU (jusqu'en mai), ROUSSOYR FOUTA (sauf de mars à novembre), NAFISSATOU (en janvier seulement).

Pour les principales espèces débarquées, les distributions de fréquences de tailles sont présentées mensuellement.

Le poids des captures par espèce, les efforts de pêche et les rendements de ces sardiniers ont fait l'objet d'un autre document dans lequel des données sont regroupées mensuellement par secteur de pêche (FREON, et al 1978).

Les résultats obtenus sont exploités pour les études de biologie et de dynamique des populations. Ils ont fait ou feront l'objet de publications.

## PRESENTATION DES DONNES

Tes tableaux présentés correspondent aux tableaux "secteur total" du programme "FRESAR", dont la description détaillée est faite dans une autre référante (FREON et NDIAYE, 1979), aussi nous ne rappelerons ici que les points principaux.

Le programme extrapole les fréquences de tailles des échantillons à l'ensemble des captures des sardiniers. Chaque capture et chaque échantillon sont associés à une zone de pêche et à un numéro de moule. Le moule correspond à une identification de taille donnée, aussi bien par les patrons pêcheurs que par l'enquêteur lorsqu'il assiste au débarquement (voir tableau ci-dessous). Pour chaque mois, le programme fait une première tentative d'extrapolation effectuée à partir des échantillons et des captures ayant le même moule et provenant de la même zone de pêche. En cas d'échec, une deuxième tentative est entreprise. Il partira des échantillons et des captures ayant même moule, mais pouvant provenir de zones de pêche différentes. Lorsque cette deuxième tentative échoue, un message est généré par le programme. Les fréquences de tailles de différents moules sont ensuite cumulées pour les différentes zones de pêche.

Ces résultats par zone de pêche sont imprimés sur listing, mais nous ne les avons pas présentés ici en raison du volume qu'ils représentent. Ils sont disponibles à la section "Pêches pélagiques côtières" du Centre de Recherches océanographiques de Dakar-Thiaroye, ainsi que les autres sorties du programme (tableaux par moules et tableaux "tous moules").

Les fréquences obtenues par zone de pêche sont ensuite cumulée par le programme et éditées dans un tableau "secteur total". Nous avons présenté ici ces tableaux sur lesquels figurent :

- le nom de l'espèce,
- la variance de la distribution des fréquences de tailles extrapolées,
- son écart type,
- sa moyenne,
- la fraction échantillonnée exprimée en pour mille (PPM),
- le poids total des captures de cette espèce (y compris éventuellement

la fraction non extrapolée), exprimé en quintaux (Qx),

- la liste des 44 classes centimétriques de tailles : la valeur indiquée correspond à la borne inférieure de chaque classe (exemple : classe 7 cm, intervalle 7,00 à 7,99 cm ; les mensurations sont effectuées de la pointe du museau au centre de la fourche caudale (L.F.) ,

- Les fréquences en nombre de l'ensemble des échantillons (F) ,
- les mêmes fréquences exprimées en pourcentages (% F) ,
- les fréquences en nombre de captures (FREQ) ,
- les mêmes fréquences exprimées en pourcentages (% FREQ) .

En raison du mode de calcul que nous avons exposé, on comprendra que les pourcentages des fréquences des échantillons puissent différer de ceux des captures. Ces pourcentages ne seront pas nécessairement identiques qu'à condition que les volumes des échantillons par zone et par moule soient exactement proportionnels aux prises qui leur correspondent.

Sur les pages titres en couleur, nous indiquerons mensuellement pour l'espèce considérée :

- le poids total des captures exprimé en quintaux (Qx) ,
- le poids des captures n'ayant pu être associées à un échantillon,
- le pourcentage de ce poids par rapport à la capture totale,
- le ou les moules de ces captures et les poids correspondants.

A l'aide du tableau ci-dessous, il est toujours possible d'estimer grossièrement la structure démographique de ces captures non échantillonnées.

MOULE	MOYENNE (cm)	ETENDUE (écart type X 2)	TYPE DE DISTRIBUTION DES FRÉQUENCES DE TAILLE
0	inconnu	inconnu	inconnu
1	14,0 à 16,0	8 cm	unimodal
2	16,5 à 18,5	7 cm	unimodal
3	17,0 à 25,0	20 cm	plurimodal
4	18,5 à 22,5	9 cm	unimodal
5	23,0 à 25,5	8 cm	unimodal
6	24,0 à 27,0	12 cm	bimodal
7	27,0 à 30,5	10 cm	unimodal
8	23,0 à 29,0	18 cm	plurimodal
9	> à 35 cm	> 10 cm	unimodal ou plurimodal

- Tableau présentant les caractéristiques des différents moules des captures .

#### A V E R T I S S E M E N T

Les fréquences centimétriques extrapolées sont des nombres fractionnaires mais nous avons jugé préférable de les présenter sans décimale. Ceci explique les infimes différences pouvant exister entre la somme des fréquences extrapolées imprimées et le total indiqué en bas de tableau.

A R C H I V E S   C I T E E S

FREON (P.), STEQUERT (B.) et SOW (I.), 1978.- Les poissons pélagiques côtiers au Sénégal : recueil de statistiques de la pêche des sardiniers dakarois en 1977, archive n° 58.

FREON (P.) et NDIAYE (M.), 1979.- Les Poissons Pélagiques Côtiers au Sénégal : chaîne des programmes de traitement informatique des données statistiques et démographiques issues de la pêcherie sardinière dakaroise, archive n° 74.

SARDINELLE RONDE  
(Sardinella aurita)

1977

MOIS	PRISES (Quintaux)	NON ECHANTILLONNEES		
		POIDS (CX)	%	MOULES
JANVIER	5 582	-	-	-
FEVRIER	2 296	-	-	-
MARS	24 104	-	-	-
AVRIL	17 556	-	-	-
MAY	18 937	-	-	-
JUIN	15 327	-	-	-
JUILLET	9 368	-	-	-
AOUT	8 515	-	-	-
SEPTEMBRE	1 075	-	-	-
OCTOBRE	12 159	-	-	-
NOVEMBRE	1 248	-	-	-
DECEMBRE	15 293	-	-	-
Total	131 460	-	-	-

CIRCUITER JANVIER 1977

PROBLEMA AUF ITA

77761

RESISTANCE = 4.41    REACT-TYPE = 2.10    VOLTAGE = 2.00

PERCENT INSULATION = 0.47    PERCENT = 50.00% CX

L	F	S	T%
1	C	C.	
2	C	C.	
3	C	C.	
4	C	C.	
5	C	C.	
6	C	C.	
7	C	C.	
8	C	C.	
9	C	C.	
10	C	C.	
11	C	C.	
12	C	C.	
13	C	C.	
14	14	1.0	22910.
15	37	4.0	68370.
16	72	8.0	145245.
17	100	11.0	195272.
18	137	16.0	307250.
19	82	9.0	187295.
20	144	17.0	370361.
21	160	18.0	340202.
22	78	9.0	165360.
23	16	1.0	30554.
24	2	0.0	5083.
25	0	C.	
26	0	C.	
27	0	C.	
28	0	C.	
29	0	C.	
30	0	C.	
31	0	C.	
32	0	C.	
33	0	C.	
34	0	C.	
35	0	C.	
36	0	C.	
37	0	C.	
38	0	C.	
39	0	C.	
40	0	C.	
41	0	C.	
42	0	C.	
43	0	C.	
44	0	C.	
45	0	C.	
46	0	C.	
47	0	C.	
48	0	C.	
49	0	C.	
50	0	C.	
51	0	C.	
52	0	C.	
53	0	C.	
54	0	C.	
55	0	C.	
56	0	C.	
57	0	C.	
58	0	C.	
59	0	C.	
60	0	C.	
61	0	C.	
62	0	C.	
63	0	C.	
64	0	C.	
65	0	C.	
66	0	C.	
67	0	C.	
68	0	C.	
69	0	C.	
70	0	C.	
71	0	C.	
72	0	C.	
73	0	C.	
74	0	C.	
75	0	C.	
76	0	C.	
77	0	C.	
78	0	C.	
79	0	C.	
80	0	C.	
81	0	C.	
82	0	C.	
83	0	C.	
84	0	C.	
85	0	C.	
86	0	C.	
87	0	C.	
88	0	C.	
89	0	C.	
90	0	C.	
91	0	C.	
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95	0	C.	
96	0	C.	
97	0	C.	
98	0	C.	
99	0	C.	
100	0	C.	
101	0	C.	
102	0	C.	
103	0	C.	
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106	0	C.	
107	0	C.	
108	0	C.	
109	0	C.	
110	0	C.	
111	0	C.	
112	0	C.	
113	0	C.	
114	0	C.	
115	0	C.	
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117	0	C.	
118	0	C.	
119	0	C.	
120	0	C.	
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122	0	C.	
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124	0	C.	
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126	0	C.	
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145	0	C.	
146	0	C.	
147	0	C.	
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158	0	C.	
159	0	C.	
160	0	C.	
161	0	C.	
162	0	C.	
163	0	C.	
164	0	C.	
165	0	C.	
166	0	C.	
167	0	C.	
168	0	C.	
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186	0	C.	
187	0	C.	
188	0	C.	
189	0	C.	
190	0	C.	
191	0	C.	
192	0	C.	
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208	0	C.	
209	0	C.	
210	0	C.	
211	0	C.	
212	0	C.	
213	0	C.	
214	0	C.	
215	0	C.	
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218	0	C.	
219	0	C.	
220	0	C.	
221	0	C.	
222	0	C.	
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366	0	C.	
367	0	C.	
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383	0	C.	
384	0	C.	
385	0	C.	
386	0	C.	
387	0	C.	
388	0	C.	
389	0	C.	
390	0	C.	
391	0	C.	
392	0	C.	
393	0	C.	
394	0	C.	
395	0	C.	
396	0	C.	
39			

SARINIERE FEVRIER 1977

- 8 -

MACHINELLA AUF ITA

TITAN

VITI DANCE = 5.48 SCART-TYPE = 2.34 MCVANE = 26.1

PCM MENSURATION = 0.85 PRICE = 2296. CX

IP	F	% F	FFTC	% FTC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	1	0.2	122.	0.17
21	13	2.0	15975.	2.23
22	34	5.3	41782.	5.84
23	50	7.3	61444.	8.53
24	26	5.6	44706.	6.26
25	44	6.9	59153.	8.27
26	57	8.6	64536.	9.02
27	111	17.4	122506.	17.12
28	171	26.3	178467.	24.56
29	94	14.7	97466.	13.62
30	23	3.5	23900.	3.34
31	4	0.6	4236.	0.59
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	638	100.0	715296.	100.00

## SAFETY MARS 1977

SAFETY AURITA

TOTAL

VARIANCE = 6.95 Ecart-type = 2.64 Moyenne = 24.1

PPM MENSURATION = 0.28 Perte = 24104.6%

C	F	% F	EFFIC	% Effic.
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	24	0.9	185957.	1.07
21	186	6.5	1358264.	7.46
22	377	13.4	2490503.	13.72
23	295	10.5	1405426.	14.02
24	210	7.4	376251.	7.42
25	249	8.8	684473.	8.81
26	233	8.4	583741.	8.41
27	374	13.3	727063.	13.1
28	353	19.6	1079797.	19.81
29	252	8.5	487412.	8.50
30	57	2.0	106378.	1.19
31	6	0.2	11632.	0.12
32	1	0.0	1938.	0.02
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	2822	100.0	9946578.	100.00

## SAFONIE AVril 1977

SAFONELLA ALPITA

TOTAL

- 10 -

VITANCE = 3.41 ECART-TYPE = 1.65 MOYENNE = 25.00

PPM MENSURATION = 0.30 PENTE = 17556. CX

LE	F	% F	FFC	% FFC
7	0	0.0	0.	0.0
3	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	10	0.5	63787.	0.93
22	76	3.9	456433.	7.04
23	151	7.8	697119.	10.76
24	312	16.1	1277454.	19.71
25	455	23.5	1673943.	25.83
26	367	19.0	1036851.	16.00
27	190	9.8	446371.	6.89
28	206	10.6	468244.	7.23
29	136	7.0	299903.	4.63
30	26	1.3	48927.	0.75
31	6	0.3	11409.	0.18
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	1935	100.0	6480436.	100.00

SARDINIER MAI 1977

- 11 -

SARDINELLA AURITA

TOTAL

VARIANCE = 2.13 Ecart-type = 1.48 MEANNE = 26.2

PPM MENSURATION = 0.45 PREISE = 10037. CX

LF	F	% F	FFSC	% FFSC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	3	0.1	8103.	0.12
23	112	3.8	293859.	4.53
24	406	13.8	1036818.	16.68
25	756	25.7	1706182.	26.29
26	773	26.2	1727602.	26.62
27	396	13.4	812832.	12.63
28	322	10.9	590264.	9.10
29	141	4.8	250692.	3.86
30	33	1.1	58132.	0.90
31	3	0.1	5032.	0.08
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	2945	100.0	6489533.	100.00

SARDINIE JUIN 1977

- 12 -

SARDINELLA AUF ITA

TOTAL

VARIANCE = 3.60    Ecart-type = 1.90    NCYCLE = 20.0  
 PER MENSURATION = 0.56    PEST = 15127.0

LF	F	$\Sigma F$	FATG	% FATG
7	0	0.0	0.	0.0
3	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	1	0.0	452.	0.01
18	4	0.1	1811.	0.03
19	4	0.1	1811.	0.03
20	8	0.1	3622.	0.07
21	29	1.0	33545.	0.63
22	147	4.1	212894.	4.00
23	298	8.7	425808.	7.99
24	511	17.2	1017914.	19.71
25	606	20.4	1212278.	22.76
26	453	15.3	800123.	15.93
27	295	9.1	510304.	9.58
28	295	13.1	626215.	11.76
29	224	7.0	338118.	6.35
30	26	1.1	53643.	1.01
31	4	0.1	7375.	0.14
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	2975	100.0	5326035.	100.0

SAPCINIER JUILLET 1977

- 13 -

SAPCINELLA AURITA

TOTAL

VARIANCE = 1.03 Ecart-type = 1.01 MOYENNE = 24.5

PPM MENSURATION = 0.39 PREISE = \$368. CX

LF	F	% F	FFEG	% FFEG
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	1	0.1	2580.	0.06
21	12	0.8	30968.	0.76
22	101	6.4	260652.	6.43
23	383	24.4	988414.	24.39
24	593	37.8	1530363.	37.77
25	381	24.3	983252.	24.27
26	89	5.7	229683.	5.67
27	9	0.6	23226.	0.57
28	1	0.1	2580.	0.06
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	1570	100.0	4051722.	100.00

## SARDINIER ACUT 1977

- 14 -

SARDINELLA AUPITA

TOTAL

VARIANCE = 1.04 ECART-TYPE = 1.02 MEYERNE = 24.2

PFM MENSURATION = 0.39 PRISE = 8515.0X

LF	F	% F	FFRC	% FFRC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	1	0.1	2596.	0.07
21	13	0.9	33748.	0.39
22	154	10.5	399789.	10.51
23	435	29.7	1129275.	29.59
24	555	37.9	1440799.	37.68
25	252	17.2	654201.	17.20
26	45	3.1	116821.	3.07
27	6	0.4	15576.	0.41
28	2	0.1	5192.	0.12
29	1	0.1	2596.	0.07
30	1	0.1	2596.	0.07
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	1465	100.0	3803192.	100.00

## SAPCINIER SEPTEMBRE 1977

SAFETINELLA AURITA

- 15 -

VARIANCE = 1.49    Ecart-type = 1.22    MOYENNE = 24.7  
 PERM MENSURATION = 0.47    PRISE = 1075. CX

LF	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	c	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	c	0.0	0.	0.0
15	c	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	c	0.0	0.	0.0
19	0	0.0	0.	0.0
20	c	0.0	0.	0.0
21	1	0.5	2150.	0.47
22	14	6.5	30100.	6.51
23	42	19.5	90300.	19.53
24	79	36.7	169850.	36.74
25	54	25.1	116100.	25.12
26	15	7.0	32250.	0.93
27	6	2.8	12900.	2.79
28	3	1.4	6450.	1.40
29	1	0.5	2150.	0.47
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	c	0.0	0.	0.0
39	0	0.0	0.	0.0
40	c	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	c	0.0	0.	0.0
49	0	0.0	0.	0.0
50	c	0.0	0.	0.0
TOTAL	214	100.0	462250.	100.00

## SARCINIER OCTOBRE 1977

- 16 -

SARCINIER AURITA

TOTAL

VARIANCE = 2.48    ECAFT-TYPE = 1.58    MCYENNA = 24.5  
 PPM MENSURATION = C.2C    PFISE = 12159. CX

LF	F	% F	FFRC	% FFRC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	C	0.0	0.	0.0
11	C	0.0	0.	0.0
12	0	0.0	0.	0.0
13	C	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	C	0.0	0.	0.0
18	G	0.0	0.	0.0
19	C	0.0	0.	0.0
20	4	0.4	19795.	0.39
21	18	1.7	75237.	1.45
22	139	13.4	655019.	12.61
23	213	30.2	1471136.	29.33
24	297	28.6	1454244.	28.01
25	125	12.4	674741.	12.59
26	57	5.5	321882.	6.20
27	44	4.7	327278.	6.30
28	27	2.5	166495.	3.21
29	4	0.4	26716.	0.51
30	C	0.0	0.	0.0
31	0	0.0	0.	0.0
32	C	0.0	0.	0.0
33	0	0.0	0.	0.0
34	C	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	C	0.0	0.	0.0
39	0	0.0	0.	0.0
40	C	0.0	0.	0.0
41	0	0.0	0.	0.0
42	11	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	C	0.0	0.	0.0
48	0	0.0	0.	0.0
49	8	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	1037	100.0	5192549.	100.00

SAF D'INIEE AURITA

TOTAL

VARIANCE = 2.63 ECAFT-TYPE = 1.62 MEYENNE = 27.6

P.TM MENSURATION = C.9C PRISE = 1248. CX

LF	F	% F	FREQ	% FREQ
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	18	5.7	0.	0.0
21	47	14.8	0.	0.0
22	61	19.2	0.	0.0
23	11	3.5	0.	0.0
24	7	2.2	13333.	3.77
25	10	3.1	66666.	18.84
26	16	5.0	54133.	15.30
27	38	11.9	58999.	16.66
28	54	17.0	81573.	23.06
29	40	12.6	56533.	15.98
30	15	4.7	21199.	5.69
31	1	0.3	1412.	0.40
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	318	100.00	253813.	100.00

## SAFFINIER DECMBR 1977

- 16 -

SAFFINELLA AUSITA

TOTAL

VARIANCE = 5.31 SCART-TYPE = 2.30 CYCANE = 26.8  
 BY VENSURATION = 0.70 PRICE = 15293.48

LC	F	% P	FFFC	% FFCQ
7	0	0.0	0.	0.0
8	11 *	0.3	0.	0.0
9	69 *	2.1	0.	0.0
10	6 *	0.2	0.	0.0
11	5 *	0.2	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	15	0.5	3600.	0.08
18	46	1.4	10600.	0.23
19	21	0.6	11228.	0.24
20	35	1.1	44665.	0.92
21	44	1.3	60982.	1.28
22	47	1.4	122919.	2.57
23	146	4.4	367731.	7.69
24	259	7.8	478345.	10.00
25	340	10.5	650908.	13.01
26	354	10.6	508736.	10.04
27	528	15.9	709476.	14.84
28	740	22.2	971765.	20.52
29	495	14.9	654091.	13.68
30	132	4.0	163035.	3.41
31	19	0.6	23947.	0.50
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	3330	100.0	4782287.	100.00

\* Tous les rejetés à la mise en conditionnements effectués à bord des sardiniers)

SARDINELLE PLATE  
(Sardinella maderensis = S .eba)

1977

MOIS	PRISES (QUINTAUX)	NON ECHANTILLONNEES		
		POIDS (QX)	%	MOULES
JANVIER	6 789	-	-	-
FEVRIER	273	-	-	-
MARS	702	-	-	-
AVRIL	4 449	-	-	-
MAI	2 353	-	-	-
JUIN	13 110	-	-	-
JUILLET	18 260	-	-	-
AOUT	25 436	-	-	-
SEPTEMBRE	16 434	-	-	-
OCTOBRE	2 849	-	-	-
NOVEMBRE	212	150	70.8	4
DECEMBRE	1 653	-	-	-
Total	92 520	150	0.2	

## SYNTHETIC JEWELRY 1171

- 20 -

SANTINELLA SBA

DATA

VISITANCE = 1.25    PCAPT-TYPE = 1.08    MOYANIE = 23.7  
 CIR-MENSURATION = 0.32    PREISE = 6785. CX

LF	F	% F	FFEC	% FFEC
4	0	0.0	0.	0.0
5	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	7	0.7	16800.	0.84
20	26	2.6	73061.	3.16
21	95	9.5	284259.	13.19
22	183	18.3	676288.	34.30
23	272	27.2	852592.	41.62
24	249	24.9	783511.	35.23
25	131	13.1	419069.	19.82
26	24	2.4	70403.	3.36
27	3	0.3	9648.	0.31
28	1	0.1	3648.	0.12
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	598	100.0	3098087.	100.00

## SPECIMEN REPORT 1977

- 21 -

SACRAMENTO, CALIFORNIA

TOTAL

VARIANCE = 1.15 ECART-TYPE = 1.07 AVENUE = 22.4

PER MENSURATION = 1.24 PRICE = 275.68

LF	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	1	0.5	2711.	1.80
20	2	1.1	5422.	3.60
21	18	9.7	46179.	30.69
22	26	19.4	58292.	39.73
23	46	24.7	25132.	16.70
24	58	31.2	10497.	6.97
25	18	9.7	1631.	1.08
26	6	3.2	543.	0.36
27	1	0.5	90.	0.06
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	186	100.0	150501.	100.00

SPECIMEN NUMBER 1007

- 22 -

FIRENZA 1984

100%

REFERENCE = 2.58 SCALF-TYPE = 1.61 CYCLES = 23.0

PER INSULATION = 0.99 PERSE = 702.68

L	F	% F	PERC	% PERC
1	0	0.0	0.	0.0
2	0	0.0	0.	0.0
3	0	0.0	0.	0.0
4	0	0.0	0.	0.0
5	0	0.0	0.	0.0
6	0	0.0	0.	0.0
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	1	0.3	3463.	1.27%
20	9	2.7	23545.	8.24%
21	41	12.3	79518.	23.45%
22	84	25.1	62255.	21.76%
23	75	22.5	73653.	21.23%
24	42	12.6	33334.	9.77%
25	43	12.9	25631.	7.56%
26	29	8.7	14131.	4.77%
27	8	2.4	3047.	0.90%
28	2	0.6	761.	0.22%
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	334	100.0	339058.	100.00

SAFETY AVAIL 1977

- 23 -

CAPINELLA 684

TOTAL

VARIANCE = 2.32 SCART-TYPE = 1.52 MEAN = 24.5

PPM MENSURATION = 0.64 PMSF = 4449. CX

LF	F	% F	PPFC	% PPFC
7	0	0.0	0.	0.0
	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	1	0.1	1177.	0.07
22	24	2.2	37573.	2.14
23	121	10.9	176594.	10.19
24	169	15.2	255356.	14.56
25	243	21.2	392886.	22.41
26	299	26.3	475360.	27.11
27	177	15.9	277534.	15.83
28	63	5.7	101047.	5.76
29	13	1.2	23124.	1.32
30	3	0.3	4264.	0.24
31	2	0.2	6511.	0.37
32	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
TOTAL	1115	100.0	2753430.	100.00

## SOLARIS FILE NO. 2

- 24 -

CATALOGUE 894

TENURE

VARIANCE = 1.98 SCAT-TYPE = 1.41 MCY-AVG = 24.0

PER MENSURATION = 0.58 PERCENT = 200.0

LF	F	P	PPC	% AVG
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	5	0.8	8428.	0.85
21	22	3.7	37611.	3.72
22	82	13.6	145819.	14.35
23	121	20.5	226801.	22.33
24	157	26.5	278100.	27.38
25	127	21.5	208851.	20.55
26	56	9.5	80500.	7.92
27	15	2.5	22101.	2.16
28	6	1.0	7452.	0.73
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	591	100.0	1015883.	100.00

SARDINIE JUIN 1977

- 25 -

SARDINELLA EBA

TOTAL

VARIANCE = 2.86 ECAFT-TYPE = 1.65 MEYDANE = 24.6

PER MENSURATION = 0.64 PATES = 13110. CX

LF	F	% F	FFFC	% FFFC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	5	0.2	2103.	0.04
19	24	1.1	13269.	0.26
20	117	3.3	62097.	1.24
21	289	8.9	226625.	4.48
22	382	11.0	433256.	8.50
23	415	12.4	566725.	11.16
24	589	18.7	1052372.	20.55
25	695	21.5	1346612.	26.42
26	465	14.4	892714.	17.52
27	190	5.9	382587.	7.51
28	52	1.6	105203.	2.06
29	5	0.2	7578.	0.15
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	3233	100.0	5096174.	100.00

SAPPHIRE JULY 1977

- 26 -

SARDINELLA EBA

T. A.

VARIANCE = 2.78 SCAFF-TYPE = 1.67 MEAN = 23.0

PPM MENSURATION = 0.47 PREC = 18260. 64

LP	F	%	PPM	% PPM
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	4	0.1	794.	0.00
19	68	1.6	134585.	1.52
20	294	7.1	584742.	6.50
21	719	17.3	1438443.	16.04
22	1006	24.2	2065566.	23.01
23	389	21.3	1900293.	21.40
24	616	14.6	1377037.	15.31
25	355	8.5	828858.	9.00
26	149	3.6	363121.	3.97
27	57	1.4	138202.	1.50
28	3	0.2	18664.	0.21
29	1	0.0	2541.	0.00
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	4165	100.0	8854805.	100.00

SPECTINELLA EPA

TOTAL

VARIANCE = 2.47 ECAFT-TYPE = 1.57 MEYER = 21.7

PEM MENSURATION = 0.30 PFILE = 25436.0X

LF	F	% F	PPC	% PPC
7	0	0.0	0.	0.0
	0	0.0	0.	0.0
	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	65	1.4	228566.	1.4%
19	587	12.1	2064121.	14.42
20	1053	22.2	3679615.	23.93
21	1017	22.0	3498472.	22.75
22	945	18.6	2949641.	17.88
23	627	13.6	1900634.	12.36
24	292	6.3	862233.	5.61
25	102	2.2	285535.	1.85
26	30	0.6	91774.	0.63
27	4	0.1	14065.	0.09
28	1	0.0	3514.	0.02
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	4623	100.0	15378680.	100.00

## SAFDINIEF SEPTEMBRE 1977

- 28 -

SAFDINELLA EBA

TOTAL

VARIANCE = 2.51 Ecart-type = 1.58 Moyenne = 22.5

PPM MEASURATION = 0.36 PRISE = 16434. CX

CF	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
3	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	51	1.6	138702.	1.53
19	231	7.3	631414.	7.21
20	306	9.7	837099.	9.56
21	446	14.1	1259920.	14.39
22	935	26.4	2343200.	26.76
23	785	24.8	2171023.	24.80
24	372	11.7	594420.	11.36
25	113	3.6	304353.	3.43
26	25	0.8	66529.	0.76
27	3	0.1	8158.	0.09
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	3167	100.0	8754829.	100.00

## SAFDINIER CCTCBRE 1977

- 29 -

SARDINELLA EBA

TOTAL

VARIANCE = 1.41    ECART-TYPE = 1.19    MEYENNE = 22.2

PPM MENSURATION = 0.32    PRISE = 2349. CX

LF	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	7	1.3	43140.	2.66
20	70	13.4	217784.	13.44
21	168	32.2	474617.	29.29
22	191	36.7	490480.	30.27
23	58	11.1	249368.	15.39
24	26	5.0	143706.	8.87
25	1	0.2	1076.	0.07
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	521	100.0	1620175.	100.00

SAFCINIER NOVEMBRE 1977

- 30 -

SAFCINELLA EBA

TOTAL

VARIANCE = 0.52 ECART-TYPE = 0.72 MEYERNE = 22.8

PPM MENSURATION = 1.13 PRISE = 212. CX

LF	F	% F	FFFC	# FFFC
7	0	0.0	0.	0.0
8	0	3.3	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	2.2	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	3.3	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.3	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	4	11.8	3542.	11.76
22	17	50.0	15057.	50.00
23	11	32.4	9742.	32.35
24	2	5.9	1771.	5.88
25	0	0.0	0.	0.0
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	34	100.0	30114.	99.99

CHICAGO, ILLINOIS

CITY TAX

DISTANCE = 1.97 LOCAL TAX RATE = 1.10 TOTAL TAX = 24.2

SOV MEASUREMENT = 0.92 PER SIEVE = 16.57. CX

F	%	PPG	PER SIEVE	
0	0.0	0.	0.0	
26 *	3.9	0.	0.0	
17 *	2.9	0.	0.0	
76 *	16.2	0.	0.0	
12 *	1.9	0.	0.0	
12	0	0.0	0.0	
13	0	0.0	0.0	
14	0	0.0	0.0	
15	0	0.0	0.0	
16	0	0.0	0.0	
17	1	0.1	257.	0.04
18	3	0.4	771.	0.11
19	4	0.6	1020.	0.14
20	8	1.2	2817.	0.52
21	48	7.1	42598.	5.84
22	118	17.6	133202.	14.29
23	147	21.5	193936.	26.61
24	120	17.7	189277.	25.67
25	60	9.9	95256.	13.62
26	29	4.9	53029.	7.22
27	4	0.6	7574.	1.04
28	2	0.3	4034.	0.55
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
-	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	672	100.0	728806.	100.0

\* Includes weightings for differential collection conditions

CHINCHARD JAUNE  
(Caranx rhonchus)

1977

MOTS	PRISES (QUINTAUX)	NON ECHANTILLONNEES		
		POIDS (QX)	%	MOULES
JANVIER	244	-	-	-
FEVRIER	1 919	-	-	-
MARS	2 933	-	-	-
AVRIL	3 430	-	-	-
MAI	1 774	-	-	-
JUIN	378	132	34.9	7
JUILLET	0	-	-	-
AOUT	0	-	-	-
SEPTEMBRE	7	42	28.6	5
OCTOBRE	61	61	100	7
NOVEMBRE	2 629			
DECEMBRE	3 183			-
Total	16 558	195	1.2	

## SAPCINIEF JANVIER 1977

- 33 -

CARBON X RECHACHUS

TOTAL

VARIANCE = 8.73 Ecart-type = 2.95 Moyenne = 25.5

PPM MENSURATION = 2.44 Poids = 244.00

LF	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	2	0.9	605.	0.71
21	12	5.7	3655.	4.23
22	40	19.0	12136.	14.11
23	44	20.9	13404.	15.52
24	34	16.1	10358.	11.89
25	33	15.6	10053.	11.64
26	15	7.1	4569.	5.29
27	10	4.7	4625.	5.35
28	12	5.7	11549.	13.37
29	4	1.9	5954.	6.89
30	3	1.4	5649.	6.54
31	1	0.5	1863.	2.18
32	1	0.5	1863.	2.18
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
TOTAL	211	100.0	86382.	99.99

## SACRED LIES REVENGE AGAIN

- 30 -

CROWN PHONCHUS

T 1701

PICKUP = 2.61 REAR-TYPE = 1.71 REV. RATE = 30.07

PER INSULATION = 1.33 PER CIR. = 111.13

LF	F	% F	PPCC	% PPCC
1	0	0.0	0.	0.0
2	0	0.0	0.	0.0
3	0	0.0	0.	0.0
4	0	0.0	0.	0.0
5	0	0.0	0.	0.0
6	0	0.0	0.	0.0
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	0	0.0	0.	0.0
23	0	0.0	0.	0.0
24	0	0.0	0.	0.0
25	0	0.0	0.	0.0
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	578	100.0	433030.	100.00

## SCHNEIDER MARS 1977

20

SIX FRANCHES

177.36

QUANTITY = 6.61 SCART-TYPE = 0.47 SURFACE = 70.0

CONSIDURATION = 0.26 PRICE = 213.00

	F	Z	PPC	SPRING
1	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0
16	7.7	175.2	2.07	
17	7.7	603.04	7.04	
18	25.4	654.18	7.07	
19	23.1	607.90	7.07	
20	13.1	928.23	12.03	
21	7.7	117.23	12.03	
22	4.1	131.46	15.02	
23	3.6	965.00	11.06	
24	2.7	115.03	13.03	
25	2.2	657.32	7.07	
26	1.3	0.	0.0	
27	0.0	164.22	1.00	
28	0.0	0.	0.0	
29	0.0	0.	0.0	
30	0.0	0.	0.0	
31	0.0	0.	0.0	
32	0.0	0.	0.0	
33	0.0	0.	0.0	
34	0.0	0.	0.0	
35	0.0	0.	0.0	
36	0.0	0.	0.0	
37	0.0	0.	0.0	
38	0.0	0.	0.0	
39	0.0	0.	0.0	
40	0.0	0.	0.0	
41	0.0	0.	0.0	
42	0.0	0.	0.0	
43	0.0	0.	0.0	
44	0.0	0.	0.0	
45	0.0	0.	0.0	
46	0.0	0.	0.0	
47	0.0	0.	0.0	
48	0.0	0.	0.0	
49	0.0	0.	0.0	
50	0.0	0.	0.0	
51	0.0	0.	0.0	
52	0.0	0.	0.0	
53	0.0	0.	0.0	
54	0.0	0.	0.0	
55	0.0	0.	0.0	
56	0.0	0.	0.0	
57	0.0	0.	0.0	
58	0.0	0.	0.0	
59	0.0	0.	0.0	
60	0.0	0.	0.0	
61	0.0	0.	0.0	
62	0.0	0.	0.0	
63	0.0	0.	0.0	
64	0.0	0.	0.0	
65	0.0	0.	0.0	
66	0.0	0.	0.0	
67	0.0	0.	0.0	
68	0.0	0.	0.0	
69	0.0	0.	0.0	
70	0.0	0.	0.0	
71	0.0	0.	0.0	
72	0.0	0.	0.0	
73	0.0	0.	0.0	
74	0.0	0.	0.0	
75	0.0	0.	0.0	
76	0.0	0.	0.0	
77	0.0	0.	0.0	
78	0.0	0.	0.0	
79	0.0	0.	0.0	
80	0.0	0.	0.0	
81	0.0	0.	0.0	
82	0.0	0.	0.0	
83	0.0	0.	0.0	
84	0.0	0.	0.0	
85	0.0	0.	0.0	
86	0.0	0.	0.0	
87	0.0	0.	0.0	
88	0.0	0.	0.0	
89	0.0	0.	0.0	
90	0.0	0.	0.0	
91	0.0	0.	0.0	
92	0.0	0.	0.0	
93	0.0	0.	0.0	
94	0.0	0.	0.0	
95	0.0	0.	0.0	
96	0.0	0.	0.0	
97	0.0	0.	0.0	
98	0.0	0.	0.0	
99	0.0	0.	0.0	
100	0.0	0.	0.0	
101	0.0	0.	0.0	
102	0.0	0.	0.0	
103	0.0	0.	0.0	
104	0.0	0.	0.0	
105	0.0	0.	0.0	
106	0.0	0.	0.0	
107	0.0	0.	0.0	
108	0.0	0.	0.0	
109	0.0	0.	0.0	
110	0.0	0.	0.0	
111	0.0	0.	0.0	
112	0.0	0.	0.0	
113	0.0	0.	0.0	
114	0.0	0.	0.0	
115	0.0	0.	0.0	
116	0.0	0.	0.0	
117	0.0	0.	0.0	
118	0.0	0.	0.0	
119	0.0	0.	0.0	
120	0.0	0.	0.0	
121	0.0	0.	0.0	
122	0.0	0.	0.0	
123	0.0	0.	0.0	
124	0.0	0.	0.0	
125	0.0	0.	0.0	
126	0.0	0.	0.0	
127	0.0	0.	0.0	
128	0.0	0.	0.0	
129	0.0	0.	0.0	
130	0.0	0.	0.0	
131	0.0	0.	0.0	
132	0.0	0.	0.0	
133	0.0	0.	0.0	
134	0.0	0.	0.0	
135	0.0	0.	0.0	
136	0.0	0.	0.0	
137	0.0	0.	0.0	
138	0.0	0.	0.0	
139	0.0	0.	0.0	
140	0.0	0.	0.0	
141	0.0	0.	0.0	
142	0.0	0.	0.0	
143	0.0	0.	0.0	
144	0.0	0.	0.0	
145	0.0	0.	0.0	
146	0.0	0.	0.0	
147	0.0	0.	0.0	
148	0.0	0.	0.0	
149	0.0	0.	0.0	
150	0.0	0.	0.0	
151	0.0	0.	0.0	
152	0.0	0.	0.0	
153	0.0	0.	0.0	
154	0.0	0.	0.0	
155	0.0	0.	0.0	
156	0.0	0.	0.0	
157	0.0	0.	0.0	
158	0.0	0.	0.0	
159	0.0	0.	0.0	
160	0.0	0.	0.0	
161	0.0	0.	0.0	
162	0.0	0.	0.0	
163	0.0	0.	0.0	
164	0.0	0.	0.0	
165	0.0	0.	0.0	
166	0.0	0.	0.0	
167	0.0	0.	0.0	
168	0.0	0.	0.0	
169	0.0	0.	0.0	
170	0.0	0.	0.0	
171	0.0	0.	0.0	
172	0.0	0.	0.0	
173	0.0	0.	0.0	
174	0.0	0.	0.0	
175	0.0	0.	0.0	
176	0.0	0.	0.0	
177	0.0	0.	0.0	
178	0.0	0.	0.0	
179	0.0	0.	0.0	
180	0.0	0.	0.0	
181	0.0	0.	0.0	
182	0.0	0.	0.0	
183	0.0	0.	0.0	
184	0.0	0.	0.0	
185	0.0	0.	0.0	
186	0.0	0.	0.0	
187	0.0	0.	0.0	
188	0.0	0.	0.0	
189	0.0	0.	0.0	
190	0.0	0.	0.0	
191	0.0	0.	0.0	
192	0.0	0.	0.0	
193	0.0	0.	0.0	
194	0.0	0.	0.0	
195	0.0	0.	0.0	
196	0.0	0.	0.0	
197	0.0	0.	0.0	
198	0.0	0.	0.0	
199	0.0	0.	0.0	
200	0.0	0.	0.0	
201	0.0	0.	0.0	
202	0.0	0.	0.0	
203	0.0	0.	0.0	
204	0.0	0.	0.0	
205	0.0	0.	0.0	
206	0.0	0.	0.0	
207	0.0	0.	0.0	
208	0.0	0.	0.0	
209	0.0	0.	0.0	
210	0.0	0.	0.0	
211	0.0	0.	0.0	
212	0.0	0.	0.0	
213	0.0	0.	0.0	
214	0.0	0.	0.0	
215	0.0	0.	0.0	
216	0.0	0.	0.0	
217	0.0	0.	0.0	
218	0.0	0.	0.0	
219	0.0	0.	0.0	
220	0.0	0.	0.0	
221	0.0	0.	0.0	
222	0.0	0.	0.0	
223	0.0	0.	0.0	
224	0.0	0.	0.0	
225	0.0	0.	0.0	
226	0.0	0.	0.0	
227	0.0	0.	0.0	
228	0.0	0.	0.0	
229	0.0	0.	0.0	
230	0.0	0.	0.0	
231	0.0	0.	0.0	
232	0.0	0.	0.0	
233	0.0	0.	0.0	
234	0.0	0.	0.0	
235	0.0	0.	0.0	
236	0.0	0.	0.0	
237	0.0	0.	0.0	
238	0.0	0.	0.0	
239	0.0	0.	0.0	
240	0.0	0.	0.0	
241	0.0	0.	0.0	
242	0.0	0.	0.0	
243	0.0	0.	0.0	
244	0.0	0.	0.0	
245	0.0	0.	0.0	
246	0.0	0.	0.0	
247	0.0	0.	0.0	
248	0.0	0.	0.0	
249	0.0	0.	0.0	
250	0.0	0.	0.0	
251	0.0	0.	0.0	
252	0.0	0.	0.0	
253	0.0	0.	0.0	
254	0.0	0.	0.0	
255	0.0	0.	0.0	
256	0.0	0.	0.0	
257	0.0	0.	0.0	
258	0.0	0.	0.0	
259	0.0	0.	0.0	
260	0.0	0.	0.0	
261	0.0	0.	0.0	
262	0.0	0.	0.0	
263	0.0	0.	0.0	
264	0.0	0.	0.0	
265	0.0	0.	0.0	
266	0.0	0.	0.0	
267	0.0	0.	0.0	
268	0.0	0.	0.0	
269	0.0	0.	0.0	
270	0.0	0.	0.0	
271	0.0	0.	0.0	
272	0.0	0.	0.0	
273	0.0	0.	0.0	
274	0.0	0.	0.0	
275	0.0	0.	0.0	
276	0.0	0.</td		

卷之三

卷之三

卷之三

SPECIMEN NO. 3977

卷之三

1958 EPOCHS

卷之三

• *W*hen I was a child, my mother used to tell me stories about the time she had been a nurse in a hospital in the 1940s. She would tell me about the patients she had seen, the treatments they received, and the challenges she faced as a young nurse.

WATER METER LOCATION = C-55 PRICE = 1274.56

5 AUGUST 1977

COSTA RICA

TOTAL

58

REFERENCE = 0.66 SCART-TYPE = 0.61 CYCLE = 26.5

DAY PENSLATION = 0.85 PMSL = 371.14

R	F	S F	PPC	% PPC
1		0.0	0.	0.0
2		0.1	0.	0.1
3		0.0	0.	0.0
4		0.0	0.	0.0
5		0.0	0.	0.0
6		0.0	0.	0.0
7		0.0	0.	0.0
8		0.0	0.	0.0
9		0.0	0.	0.0
10		0.0	0.	0.0
11		0.0	0.	0.0
12		0.0	0.	0.0
13		0.0	0.	0.0
14		0.0	0.	0.0
15		0.0	0.	0.0
16		0.0	0.	0.0
17		0.0	0.	0.0
18		0.0	0.	0.0
19		0.0	0.	0.0
20		0.0	0.	0.0
21		0.0	0.	0.0
22		0.0	0.	0.0
23		0.0	0.	0.0
24		0.0	0.	0.0
25		0.0	0.	0.0
26		0.0	0.	0.0
27		0.0	0.	0.0
28		0.0	0.	0.0
29		0.0	0.	0.0
30		0.0	0.	0.0
31		0.0	0.	0.0
32		0.0	0.	0.0
33		0.0	0.	0.0
34		0.0	0.	0.0
35		0.0	0.	0.0
36		0.0	0.	0.0
37		0.0	0.	0.0
38		0.0	0.	0.0
39		0.0	0.	0.0
40		0.0	0.	0.0
41		0.0	0.	0.0
42		0.0	0.	0.0
43		0.0	0.	0.0
44		0.0	0.	0.0
45		0.0	0.	0.0
46		0.0	0.	0.0
47		0.0	0.	0.0
48		0.0	0.	0.0
49		0.0	0.	0.0
50		0.0	0.	0.0
51		0.0	0.	0.0
52		0.0	0.	0.0
53		0.0	0.	0.0
54		0.0	0.	0.0
55		0.0	0.	0.0
56		0.0	0.	0.0
57		0.0	0.	0.0
58		0.0	0.	0.0
59		0.0	0.	0.0
60		0.0	0.	0.0
61		0.0	0.	0.0
62		0.0	0.	0.0
63		0.0	0.	0.0
64		0.0	0.	0.0
65		0.0	0.	0.0
66		0.0	0.	0.0
67		0.0	0.	0.0
68		0.0	0.	0.0
69		0.0	0.	0.0
70		0.0	0.	0.0
71		0.0	0.	0.0
72		0.0	0.	0.0
73		0.0	0.	0.0
74		0.0	0.	0.0
75		0.0	0.	0.0
76		0.0	0.	0.0
77		0.0	0.	0.0
78		0.0	0.	0.0
79		0.0	0.	0.0
80		0.0	0.	0.0
81		0.0	0.	0.0
82		0.0	0.	0.0
83		0.0	0.	0.0
84		0.0	0.	0.0
85		0.0	0.	0.0
86		0.0	0.	0.0
87		0.0	0.	0.0
88		0.0	0.	0.0
89		0.0	0.	0.0
90		0.0	0.	0.0
91		0.0	0.	0.0
92		0.0	0.	0.0
93		0.0	0.	0.0
94		0.0	0.	0.0
95		0.0	0.	0.0
96		0.0	0.	0.0
97		0.0	0.	0.0
98		0.0	0.	0.0
99		0.0	0.	0.0
100		0.0	0.	0.0
101		0.0	0.	0.0
102		0.0	0.	0.0
103		0.0	0.	0.0
104		0.0	0.	0.0
105		0.0	0.	0.0
106		0.0	0.	0.0
107		0.0	0.	0.0
108		0.0	0.	0.0
109		0.0	0.	0.0
110		0.0	0.	0.0
111		0.0	0.	0.0
112		0.0	0.	0.0
113		0.0	0.	0.0
114		0.0	0.	0.0
115		0.0	0.	0.0
116		0.0	0.	0.0
117		0.0	0.	0.0
118		0.0	0.	0.0
119		0.0	0.	0.0
120		0.0	0.	0.0
121		0.0	0.	0.0
122		0.0	0.	0.0
123		0.0	0.	0.0
124		0.0	0.	0.0
125		0.0	0.	0.0
126		0.0	0.	0.0
127		0.0	0.	0.0
128		0.0	0.	0.0
129		0.0	0.	0.0
130		0.0	0.	0.0
131		0.0	0.	0.0
132		0.0	0.	0.0
133		0.0	0.	0.0
134		0.0	0.	0.0
135		0.0	0.	0.0
136		0.0	0.	0.0
137		0.0	0.	0.0
138		0.0	0.	0.0
139		0.0	0.	0.0
140		0.0	0.	0.0
141		0.0	0.	0.0
142		0.0	0.	0.0
143		0.0	0.	0.0
144		0.0	0.	0.0
145		0.0	0.	0.0
146		0.0	0.	0.0
147		0.0	0.	0.0
148		0.0	0.	0.0
149		0.0	0.	0.0
150		0.0	0.	0.0
151		0.0	0.	0.0
152		0.0	0.	0.0
153		0.0	0.	0.0
154		0.0	0.	0.0
155		0.0	0.	0.0
156		0.0	0.	0.0
157		0.0	0.	0.0
158		0.0	0.	0.0
159		0.0	0.	0.0
160		0.0	0.	0.0
161		0.0	0.	0.0
162		0.0	0.	0.0
163		0.0	0.	0.0
164		0.0	0.	0.0
165		0.0	0.	0.0
166		0.0	0.	0.0
167		0.0	0.	0.0
168		0.0	0.	0.0
169		0.0	0.	0.0
170		0.0	0.	0.0
171		0.0	0.	0.0
172		0.0	0.	0.0
173		0.0	0.	0.0
174		0.0	0.	0.0
175		0.0	0.	0.0
176		0.0	0.	0.0
177		0.0	0.	0.0
178		0.0	0.	0.0
179		0.0	0.	0.0
180		0.0	0.	0.0
181		0.0	0.	0.0
182		0.0	0.	0.0
183		0.0	0.	0.0
184		0.0	0.	0.0
185		0.0	0.	0.0
186		0.0	0.	0.0
187		0.0	0.	0.0
188		0.0	0.	0.0
189		0.0	0.	0.0
190		0.0	0.	0.0
191		0.0	0.	0.0
192		0.0	0.	0.0
193		0.0	0.	0.0
194		0.0	0.	0.0
195		0.0	0.	0.0
196		0.0	0.	0.0
197		0.0	0.	0.0
198		0.0	0.	0.0
199		0.0	0.	0.0
200		0.0	0.	0.0
201		0.0	0.	0.0
202		0.0	0.	0.0
203		0.0	0.	0.0
204		0.0	0.	0.0
205		0.0	0.	0.0
206		0.0	0.	0.0
207		0.0	0.	0.0
208		0.0	0.	0.0
209		0.0	0.	0.0
210		0.0	0.	0.0
211		0.0	0.	0.0
212		0.0	0.	0.0
213		0.0	0.	0.0
214		0.0	0.	0.0
215		0.0	0.	0.0
216		0.0	0.	0.0
217		0.0	0.	0.0
218		0.0	0.	0.0
219		0.0	0.	0.0
220		0.0	0.	0.0
221		0.0	0.	0.0
222		0.0	0.	0.0
223		0.0	0.	0.0
224		0.0	0.	0.0
225		0.0	0.	0.0
226		0.0	0.	0.0
227		0.0	0.	0.0
228		0.0	0.	0.0
229		0.0	0.	0.0
230		0.0	0.	0.0
231		0.0	0.	0.0
232		0.0	0.	0.0
233		0.0	0.	0.0
234		0.0	0.	0.0
235		0.0	0.	0.0
236		0.0	0.	0.0
237		0.0	0.	0.0
238		0.0	0.	0.0
239		0.0	0.	0.0
240		0.0	0.	0.0
241		0.0	0.	0.0
242		0.0	0.	0.0
243		0.0	0.	0.0
244		0.0	0.	0.0
245		0.0	0.	0.0
246		0.0	0.	0.0
247		0.0	0.	0.0
248		0.0	0.	0.0
249		0.0	0.	0.0
250		0.0	0.	0.0
251		0.0	0.	0.0
252		0.0	0.	0.0
253		0.0	0.	0.0
254		0.0	0.	0.0
255		0.0	0.	0.0
256		0.0	0.	0.0
257		0.0	0.	0.0
258		0.0	0.	0.0
259		0.0	0.	0.0
260		0.0	0.	0.0
261		0.0	0.	0.0
262		0.0	0.	0.0
263		0.0	0.	0.0
264		0.0	0.	0.0
265		0.0	0.	0.0
266		0.0	0.	0.0
267		0.0	0.	0.0
268		0.0	0.	0.0
269		0.0	0.	0.0
270		0.0	0.	0.0
271		0.0	0.	0.0
272		0.0	0.	0.0
273		0.0	0.	0.0
274		0.0	0.	0.0
275		0.0	0.	0.0
276		0.0	0.	0.0
277		0.0	0.	0.0
278		0.0	0.	0.0
279		0.0	0.	0.0
280		0.0	0.	0.0
281		0.0	0.	0.0
282		0.0	0.	0.0
283		0.0	0.	0.0
284		0.0	0.</td	

SAFECINIER SEPTEMBER 1977

- 39 -

CERFANX RHINOCEROS

TOTAL

VARIANCE = 3.73 ECART-TYPE = 1.93 MOYENNE = 29.2

EPM MENSURATION = 8.00 PRIX = 7. CX

LE	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	2	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	G	0.0	0.	0.0
22	0	0.0	0.	0.0
23	0	0.0	0.	0.0
24	0	0.0	0.	0.0
25	1	10.0	125.	10.00
26	0	0.0	0.	0.0
27	3	30.0	375.	30.00
28	0	0.0	0.	0.0
29	1	10.0	125.	10.00
30	3	30.0	375.	30.00
31	2	20.0	250.	20.00
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	10	100.0	1250.	100.00

## SAFFINIER NOVEMBRE 1977

CARANX RHINCHUS

TOTAL

= 40 =

VARIANC = 4.18 Ecart-type = 2.04 Moyenne = 28.4

PBM MENSURATION = 1.11 PRISE = 2629. CX

LE	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	2	0.2	273.	0.04
21	2	0.2	273.	0.04
22	10	1.2	1361.	0.18
23	22	2.7	2984.	0.40
24	55	6.6	33165.	4.44
25	101	12.2	77097.	10.32
26	112	13.5	87141.	11.66
27	97	11.7	90317.	12.09
28	108	13.0	127901.	17.12
29	123	14.8	140284.	18.77
30	111	13.4	121504.	16.26
31	60	7.2	49361.	6.61
32	18	2.2	11024.	1.48
33	7	0.8	4386.	0.59
34	1	0.1	136.	0.02
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	829	100.0	747224.	100.00

SAECINIER DECEMBER 1977

- 41 -

CAGANX RHINCHUS

TOTAL

VARIANCE = 1.94 ECAFT-TYPE = 1.39 NOYENNE = 26.4

PPM MENSURATION = c.71 PRICE = 3183. CX

LF	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	1	0.1	291.	0.03
19	0	0.0	0.	0.0
20	1	0.1	1788.	0.16
21	0	0.0	0.	0.0
22	4	0.5	4029.	0.35
23	15	1.3	23914.	2.09
24	63	7.7	102518.	8.96
25	179	21.9	333643.	29.15
26	227	27.3	345739.	30.21
27	147	18.0	194526.	17.00
28	89	10.9	87550.	7.63
29	39	4.8	28704.	2.51
30	34	4.2	16716.	1.46
31	13	1.6	3580.	0.31
32	3	0.4	874.	0.03
33	0	0.0	0.	0.0
34	1	0.1	291.	0.03
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	816	100.0	2144575.	100.00

## SOMPATT

(Pomaclasys jubelini)

1977

MOIS	PRISES (QUINTAUX)	NON ECHANTILLONNEES		
		POIDS (QX)	%	MOULES
JANVIER	9	9	100.0	0
FEVRIER	0	-	-	-
MARS	0	-	-	-
AVRIL	0	-	-	-
MAI	165	165	100.0	0
JUIN	772	173	22.4	9
JUILLET	347	-	-	
AOUT	241	224	93.0	9
SEPTEMBRE	623	-	-	-
OCTOBRE	1 650	180	10.9	5
NOVEMBRE	4 057	102	2.5	5
DECEMBRE	171			
Total	8 035	853	10.6	

SAFEDINIER JUIN 1977

- 43 -

PUMACASYS JUBELINI

TOTAL

VARIANCE = 3.49 ECArt-TYPE = 1.87 MOYENNE = 28.7

PPM MENSURATION = 0.27 PRISE = 772. CX

LE	F	% F	FFFC	% FFFC
1	0	0.0	0.	0.0
2	0	0.0	0.	0.0
3	0	0.0	0.	0.0
4	0	0.0	0.	0.0
5	0	0.0	0.	0.0
6	0	0.0	0.	0.0
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	1	2.4	3743.	2.44
23	0	0.0	0.	0.0
24	0	0.0	0.	0.0
25	1	2.4	3743.	2.44
26	4	9.8	14975.	9.74
27	7	17.1	26206.	17.07
28	9	22.0	23693.	21.98
29	10	24.4	37437.	24.34
30	5	12.2	18718.	12.19
31	2	4.9	7487.	4.83
32	2	4.9	7487.	4.83
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	41	100.0	163493.	100.00

SAFECINIEP JUILLET 1977

- 44 -

PCNACASYS JUBELINI

TOTAL

VARIANCE = 4.26 Ecart-type = 2.06 Moyenne = 28.1

PPM MENSURATION = 1.64 Perte = 347. CX

LF	F	% F	FFC	% FFC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	0	0.0	0.	0.0
23	1	0.6	542.	0.58
24	9	5.3	4879.	5.26
25	16	9.4	8675.	9.36
26	26	15.2	14094.	15.20
27	40	23.4	21687.	23.39
28	30	17.5	16265.	17.54
29	18	10.5	9759.	10.53
30	16	9.4	8675.	9.36
31	9	5.3	4879.	5.26
32	4	2.3	2168.	2.34
33	0	0.0	0.	0.0
34	1	0.6	542.	0.58
35	1	0.6	542.	0.58
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	171	100.0	92714.	99.9%

## SAFTINIER ACUT 1977

- 32 -

PRIMASYS JUBELINI

TOTAL

VARIANCE = 5.61 ECAFT-TYPE = 2.41 MCYENNE = 27.7

PEM MENSURATION = 40.39 PRISE = 241. CX

LF	F	% F	FFEC	% FFEC
7	3	0.0	0.	0.0
8	c	0.0	0.	0.0
9	c	0.0	0.	0.0
10	0	0.0	0.	0.0
11	c	0.0	0.	0.0
12	0	0.0	0.	0.0
13	c	0.0	0.	0.0
14	c	0.0	0.	0.0
15	3	0.0	0.	0.0
16	c	0.0	a.	0.0
17	c	0.0	0.	0.0
18	c	0.0	0.	0.0
19	0	0.0	c.	0.0
20	9	0.0	0.	0.0
21	c	0.0	0.	0.0
22	1	0.6	50.	1.12
23	2	1.1	73.	1.64
24	12	6.7	360.	8.08
25	20	11.1	575.	12.30
26	26	14.4	609.	13.66
27	40	22.2	937.	21.02
28	30	16.7	703.	15.77
29	18	10.0	421.	9.45
30	16	8.9	375.	8.41
31	9	5.0	210.	4.71
32	4	2.2	93.	2.09
33	c	0.0	0.	0.0
34	1	0.6	23	0.52
35	1	0.6	23:	0.52
36	c	0.0	0.	0.0
37	c	0.0	0.	0.0
38	c	0.0	0.	0.0
39	c	0.0	0.	0.0
40	c	0.0	0.	0.0
41	0	0.0	0.	0.0
42	a	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	c	0.0	0.	0.0
47	c	a.3	0.	0.0
48	c	C*C	0.	0.0
49	a	a.3	0.	0.0
50	c	3.0	0.	0.0
TOTAL	180	100.0	4457.	99.39

SAFONIER SEPTEMBRE 1977

- 46 -

POMACASYS JUBELINI

TOTAL

VARIANCE = 2.39 ESCAF-TYPE = 1.55 MEYBANE = 29.0

PPM MENSURATION = 1.17 PRISE = 623. CX

LF	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	3.	0.0
22	0	0.0	0.	0.0
23	0	0.0	0.	0.0
24	0	0.0	0.	0.0
25	4	2.2	3413.	2.23
26	14	7.8	11947.	7.82
27	30	16.2	25602.	16.76
28	41	22.5	34990.	22.90
29	46	25.7	39257.	25.70
30	27	15.1	23042.	15.03
31	12	6.7	10241.	6.70
32	3	1.7	2560.	1.62
33	2	1.1	1706.	1.12
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	3.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	3.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	179	100.0	152762.	100.00

## SARDINIA OCTOBER 1977

PCMACASYS JUBELINI

- 47 -

VARIANCE = 12.48    ECAPT-TYPE = 3.53    MCYENNG = 26.4  
 PFM MENSURATION = 1.58    PFLSE = 1650. CX

LF	F	% F	FFFC	% FF%G
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	2	0.4	1571.	0.54
23	15	2.6	10877.	3.00
24	25	6.1	21798.	6.02
25	62	10.9	35223.	9.73
26	118	20.7	66974.	19.50
27	107	18.7	64436.	17.80
28	85	14.9	49101.	13.56
29	51	8.9	30242.	8.35
30	33	5.8	25200.	6.96
31	21	3.7	16791.	4.64
32	7	1.3	5922.	1.64
33	11	1.9	5865.	1.72
34	6	1.1	5914.	1.64
35	1	0.2	585.	0.27
36	2	0.4	1571.	0.54
37	2	0.4	1571.	0.54
38	3	0.5	2957.	0.32
39	1	0.2	585.	0.27
40	3	0.5	2957.	0.32
41	1	0.2	585.	0.27
42	3	0.5	2957.	0.32
43	2	0.4	1571.	0.54
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	571	100.0	362064.	100.00

SAFEDIFFE NOVEMBRE 1977

PCNAEASYS JUBELINI

- 48 -

VARIANCE = 4.20    ECAFT-TYPE = 2.05    MOYENNE = 27.2  
 PPM MENSURATION = 0.60    PRISE = 4057. CX

LF	F	% F	EFFIC	% EFFIC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	2	0.3	2464.	0.21
22	7	1.0	17022.	1.43
23	19	2.9	43757.	3.82
24	37	5.4	70561.	6.35
25	90	13.1	186807.	16.48
26	140	20.4	204904.	17.77
27	151	22.0	246989.	21.74
28	101	14.7	174932.	15.41
29	67	9.3	106573.	9.23
30	30	4.4	41254.	3.60
31	19	2.8	24431.	2.13
32	17	2.5	17590.	1.53
33	1	0.1	1232.	0.11
34	3	0.4	2223.	0.14
35	1	0.1	1409.	0.12
36	0	0.0	0.	0.0
37	1	0.1	1409.	0.12
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	686	100.0	1146563.	100.00

SAFDINIFF DECEMBRE 1977

- 49 -

PCMACASYS JUBELINI

TOTAL

VARIANCE = 5.18 Ecart-type = 2.28 Moyenne = 25.2

PPM MENSURATION = 3.63 PREISE = 171. CX

LF	F	% F	FREQ	% FREQ
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	1	0.6	275.	0.62
23	1	0.6	275.	0.62
24	5	3.1	1379.	3.11
25	8	5.0	2206.	4.97
26	33	20.5	9101.	20.50
27	38	23.6	10480.	23.60
28	31	19.3	8549.	19.25
29	16	9.9	4412.	9.94
30	10	6.2	2759.	6.21
31	6	3.7	1654.	3.72
32	6	3.7	1654.	3.72
33	3	1.9	827.	1.86
34	2	1.2	551.	1.24
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	1	0.6	275.	0.62
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	161	100.0	44404.	99.98

PLAT-PLAT  
(Chloroscombrus chrysurus)

1977

MOIS	PRISES (QUINTAUX)	NON ECHANTILLONNEES		
		POIDS (QX)	%	MOULES
JANVIER	0	-	-	-
FEVRIER	0	-	-	-
MARS	0	-	-	-
AVRIL	0	-	-	-
MAI	278	-	-	-
JUIN	783	380	48.5	2 (280 QX) 5 (100 QX)
JUILLET	67	-	-	-
AOUT	78	78	100.0	0
SEPTEMBRE	272	2	0.7	0
OCTOBRE	70	70	100.0	0
NOVEMBRE	1 242	1 210	97.4	2 (1194 QX) 4 (16 QX)
DECEMBRE	18	-	-	-
Total	2 808	1 740	62.0	V - - e - - -

SARCIER MAI 1977

- 51 -

## CHLOROCOMBUS CHRYSURUS

TOTAL

VARIANCE = 0.73 ECAFT-TYPE = 0.85 MEYANNE = 19.9

PEN MENSURATION = 1.15 PRISE = 278. CX

LF	F	% F	FFEC	% FFEC
7	3	0.0	0.	0.0
	3	0.0	0.	0.0
9	c	0.0	0.	0.0
10	c	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.3	0.	0.0
13	0	0.0	0.	0.0
14	0	G.3	0.	0.0
15	0	0.0	0.	0.0
16	0	c.0	0.	0.0
17	3	1.0	2606.	1.05
18	39	13.6	33981.	13.64
19	127	44.4	110331.	44.41
20	92	32.2	79925.	32.17
21	20	7.3	17375.	6.59
22	5	1.7	4343.	1.75
23	0	0.0	0.	0.0
24	0	0.0	0.	0.0
25	0	c.0	0.	0.0
26	0	0.0	0.	0.0
27	0	c.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	c	0.0	0.	0.0
31	0	c.0	0.	0.0
32	0	0.0	0.	0.0
33	0	c.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.3	0.	0.0
36	0	c.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	c.0	0.	0.0
40	c	0.0	0.	0.0
41	0	c.0	0.	0.0
42	0	0.0	0.	0.0
43	0	c.0	0.	0.0
44	0	c.0	0.	0.0
45	0	c.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	c.0	0.	0.0
49	0	0.0	0.	0.0
50	c	0.0	0.	0.0
TOTAL	286	100.0	248462.	100.00

SAFEDINIER JUIN 1977

- 52 -

## CHLOROCOMERUS CHRYSURUS

TOTAL

VARIANCE = 3.61 ECAVT-TYPE = 1.90 MOYANE = 20.2  
 PER MENSURATION = 0.07 PRIX = 783. CX

LF	F	aç	FREQ	% FREQ
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	9	37.5	120899.	37.50
19	2	8.3	26866.	8.33
20	8	33.3	107466.	33.33
21	2	8.3	26866.	8.33
22	0	0.0	0.	0.0
23	1	4.2	13433.	4.17
24	1	4.3	13433.	4.17
25	1	4.2	13433.	4.17
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.3	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.3	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	24	100.0	322399.	100.00

SARDINIER JUILLET 1977

- 53 -

CHLOROCOMBIFUS CHRYSELIS

TOTAL

VARIANCE = 0.46 Ecart-type = 0.68 MCYANNE = 20.4

PERM MENSURATION = 0.15 PREISE = 67. CX

LE	F	% F	FREQ	% FREQ
7	0	0.0	0.	0.0
9	0	0.0	0.	0.0
3	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	3	33.3	20100.	33.33
20	4	44.4	26600.	44.44
21	2	22.2	13400.	22.22
22	0	0.0	0.	0.0
23	0	0.0	0.	0.0
24	0	0.0	0.	0.0
25	0	0.0	0.	0.0
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
TOTAL	9	100.0	60300.	100.00

SARCENTIF SEPTEMBRE 1977

- 54 -

CHLOROCOMERUS CHRYSALIS

TOTAL

VARIANCE = 2.41 FCART-TYPE = 1.55 MOYENNE = 20.6

PPM MENSURATION = 1.10 PRIX = 272.6X

LE	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	12	4.7	12624.	5.43
18	53	20.6	55756.	23.96
19	58	22.6	61016.	26.27
20	48	18.7	49529.	21.27
21	27	10.5	24539.	10.53
22	21	8.2	15327.	6.50
23	23	8.9	10667.	4.55
24	14	5.4	3132.	1.35
25	1	0.4	85.	0.36
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	257	100.0	232678.	100.00

SPECIALIST NOVEMBER 1977

- 55 -

CHITOSOCOIBIFUS CHEYSURUS

TOTAL

W.FINANCY = 2.16 ESCAPE-TYPE I = 1.47 CYCLONE = 24.1

LICENSIATION = 1.25 PRISE = 1242. CX

L	F	% F	FATC	% FATC
1	0	0.0	0.	0.
2	0	0.0	0.	0.
3	0	0.0	0.	0.
4	0	0.0	0.	0.
5	0	0.0	0.	0.
6	0	0.0	0.	0.
7	0	0.0	0.	0.
8	0	0.0	0.	0.
9	0	0.0	0.	0.
10	0	0.0	0.	0.
11	0	0.0	0.	0.
12	0	0.0	0.	0.
13	0	0.0	0.	0.
14	0	0.0	0.	0.
15	0	0.0	0.	0.
16	0	0.0	0.	0.
17	0	0.0	0.	0.
18	0	0.0	0.	0.
19	0	0.0	0.	0.
20	0	0.0	0.	0.
21	1	5.2	800.	5.2%
22	4	21.1	3200.	21.1%
23	6	31.6	4800.	31.6%
24	2	10.5	1600.	10.5%
25	3	15.8	2400.	15.8%
26	3	15.8	2400.	15.8%
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	15	100.0	15200.	100.0%

SAFETY DECEMBER 1977

- 56 -

## CHLAPOCOMBUS CHRYSIFUS

TOTAL

ADULTAGE = 2.02 COAFT-TYPE = 1.42 CYCLING = .120

LIV MENSURATION = 7.22 PRIST = 13.6X

	F	% F	FF FG	% FF FG
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	5	5.7	692.	5.74
20	15	17.2	2076.	17.23
21	26	29.9	3599.	29.89
22	21	24.1	2907.	24.13
23	12	13.3	1661.	13.79
24	6	6.9	830.	6.99
25	2	2.3	276.	2.29
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	87	100.0	12046.	99.96

ETHMALOSE  
(Ethmalosa fimbriata)

1977

MOIS	IRISES (QUINTAUX)	NON ECHANTILLONNEES		
		POIDS (QX)	%	MOULES
JANVIER	30	30	100.0	0
FEVRIER	0			
MARS	0			
AVRIL	0			
MAY	0	-	-	
JUIN	0			
JUILLET	0	-	-	
AOUT	0			
SEPTEMBRE	1 345	1 345	100.0	0
OCTOBRE	980	630	64.3	7
NOVEMBRE	168	58	34.5	7
DECEMBRE	0			-
Total	2 523	2 063	81.8	

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1970-1971 - 2180413 AT 3

- 2 -

Figure 10. The effect of the number of hidden neurons on the performance of the proposed model.

EX-VINIFICATION = 1.4% PFISE = 99.6%

# THE HISTORY OF THE AMERICAN PEOPLE

• 170

10. *Chlorophytum comosum* (L.) Willd. (Fig. 10)

For the first time, we have shown that the *in vitro* growth of *C. albicans* biofilms can be inhibited by the addition of *in vivo* relevant concentrations of the antifungal agent.

PERIODICITY = 2.65 PERIOD = 1.125

	<i>n</i>	<i>p</i>	<i>F</i> , <i>V</i> , <i>C</i>
1	1	0.0	0.0
2	2	0.0	0.0
3	3	0.0	0.0
4	4	0.0	0.0
5	5	0.0	0.0
6	6	0.0	0.0
7	7	0.0	0.0
8	8	0.0	0.0
9	9	0.0	0.0
10	10	0.0	0.0
11	11	0.0	0.0
12	12	0.0	0.0
13	13	0.0	0.0
14	14	0.0	0.0
15	15	0.0	0.0
16	16	0.0	0.0
17	17	0.0	0.0
18	18	0.0	0.0
19	19	0.0	0.0
20	20	0.0	0.0
21	21	0.0	0.0
22	22	0.0	0.0
23	23	0.0	0.0
24	24	0.0	0.0
25	25	0.0	0.0
26	26	0.0	0.0
27	27	0.0	0.0
28	28	0.0	0.0
29	29	0.0	0.0
30	30	0.0	0.0
31	31	0.0	0.0
32	32	0.0	0.0
33	33	0.0	0.0
34	34	0.0	0.0
35	35	0.0	0.0
36	36	0.0	0.0
37	37	0.0	0.0
38	38	0.0	0.0
39	39	0.0	0.0
40	40	0.0	0.0
41	41	0.0	0.0
42	42	0.0	0.0
43	43	0.0	0.0
44	44	0.0	0.0
45	45	0.0	0.0
46	46	0.0	0.0
47	47	0.0	0.0
48	48	0.0	0.0
49	49	0.0	0.0
50	50	0.0	0.0
51	51	0.0	0.0
52	52	0.0	0.0
53	53	0.0	0.0
54	54	0.0	0.0
55	55	0.0	0.0
56	56	0.0	0.0
57	57	0.0	0.0
58	58	0.0	0.0
59	59	0.0	0.0
60	60	0.0	0.0
61	61	0.0	0.0
62	62	0.0	0.0
63	63	0.0	0.0
64	64	0.0	0.0
65	65	0.0	0.0
66	66	0.0	0.0
67	67	0.0	0.0
68	68	0.0	0.0
69	69	0.0	0.0
70	70	0.0	0.0
71	71	0.0	0.0
72	72	0.0	0.0
73	73	0.0	0.0
74	74	0.0	0.0
75	75	0.0	0.0
76	76	0.0	0.0
77	77	0.0	0.0
78	78	0.0	0.0
79	79	0.0	0.0
80	80	0.0	0.0
81	81	0.0	0.0
82	82	0.0	0.0
83	83	0.0	0.0
84	84	0.0	0.0
85	85	0.0	0.0
86	86	0.0	0.0
87	87	0.0	0.0
88	88	0.0	0.0
89	89	0.0	0.0
90	90	0.0	0.0
91	91	0.0	0.0
92	92	0.0	0.0
93	93	0.0	0.0
94	94	0.0	0.0
95	95	0.0	0.0
96	96	0.0	0.0
97	97	0.0	0.0
98	98	0.0	0.0
99	99	0.0	0.0
100	100	0.0	0.0
Total	52	100.0	34856.

## CHINCHARD NOIR ( 1 )

(Trachurus trecae)

1977

MOIS	PRISES (QUINTAUX)	NON ECHANTILLONNEES		
		POIDS (QX)	%	MOGLES
JANVIER	271	271	100.0	7
FEVRIER	4 887	-	-	-
MARS	30	12	^ 40.0	2
AVRTL	0	-	-	-
MAI	0	-	-	-
JUIN	0	-	-	-
JUILLET	0	-	-	-
AOUT	0	-	-	-
SEPTEMBRE	0	-	-	-
OCTOBRE	0	-	-	-
NOVEMBRE	0	-	-	-
DECEMBRE	36	-	-	-
Total	5 224	283	5.4	

SPECIMEN FEVRIER 1977

- 61 -

TRACHYURUS TRICAE

TOTAL

VARIANCIE = 2.08 ECAFT-TYPE = 1.44 MOYENNE = 25.6

PEM MENSURATION = 0.25 PRIX = 4887. CX

N°	F	% F	FFF/C	% FFF/C
7	0	0.0	3.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	6	1.1	0.	0.0
16	5	0.9	0.	0.0
17	2	0.4	0.	0.0
18	1	0.2	0.	0.0
19	0	0.0	0.	0.0
20	8	1.5	24266.	1.08
21	7	1.3	21233.	0.95
22	13	2.4	36395.	1.63
23	34	6.2	108038.	4.82
24	115	20.9	486602.	21.73
25	185	33.6	758477.	33.96
26	112	20.3	506449.	22.61
27	42	7.6	190911.	8.52
28	15	2.7	73286.	3.27
29	4	0.7	20072.	0.90
30	1	0.2	7002.	0.31
31	1	0.2	7002.	0.21
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	G	0.0	0.	0.0
TOTAL	551	100.0	2239743.	100.00

TRACHURUS TRICAE

TOTAL

VARIANCE = 16.49 ECART-TYPE = 4.06 MOYENNE = 18.7

PPM MENSURATION = 5.00 PRISE = 30. CX

LF	F	% F	FFEC	* FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	1	0.0	200.	1.27
14	2	2.5	400.	2.53
15	15	19.0	3000.	13.99
16	22	27.6	4400.	27.85
17	11	13.9	2200.	13.92
18	5	6.3	1000.	6.33
19	0	0.0	0.	0.0
20	2	2.5	400.	2.53
21	5	6.3	1000.	6.33
22	3	10.1	1600.	10.13
23	1	1.3	200.	1.27
24	1	1.3	200.	1.27
25	0	3.0	0.	0.0
26	0	C*C	0.	0.0
27	0	0.0	0.	0.0
28	1	1.3	200.	1.27
29	4	5.1	800.	5.06
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	1	1.3	200.	1.27
33	0	0.0	0.	0.0
34	0	2.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	79	100.0	15800.	100.00

SARCIER DECEMBER 1977

- 63 -

TRACHYLOPS TRECAS

TOTAL

VARIANCE = 1.05 ECART-TYPE = 1.03 MOYENNE = 18.7

PFM MENSURATION = 0.71 PFMSE = 36. CX

LF	F	% F	FREQ	% FREQ
7	0	0.0	0.	0.0
8	0	0.3	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.3	0.	0.0
13	0	c.c	0.	0.0
14	0	0.3	0.	0.0
15	0	0.0	0.	0.0
16	2	8.3	2000.	5.95
17	7	29.2	7000.	20.83
18	8	33.3	11200.	33.33
19	5	20.8	9800.	29.17
20	2	8.3	3600.	10.71
21	0	0.0	0.	0.0
22	0	7.0	0.	0.0
23	0	0.0	0.	0.0
24	0	0.0	0.	0.0
25	0	0.0	0.	0.0
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	24	100.0	33600.	100.00

(CHINCHARD NOIR (2)

(Trachurus trachurus)

1977

MOIS	PRISES (QUINTAUX)	NON ECHANTILLONNEES		
		POIDS (QX)	%	MOULES
JANVIER	388	286	73.7	5 (97 QX) 7 (189 QX)
FEVRIER	8	8	100.0	0
MARS	0	-	-	-
AVRIL	0			
MAI	0			
JUIN	0			
JUILLET	0	-	-	-
AOUT		OI-I-I		-
SEPTEMBRE	0	-	-	-
OCTOBRE	0	-	-	-
NOVEMBRE	0	-	-	-
DECEMBRE	0	-	-	-
Total	396	294	74.2	

## SARDINIER JANVIER 1977

- 63 -

TRACHURUS TRACHYFUS

TOTAL

VARIANC = 28.52 ECART-TYPE = 5.34 MOYENNE = 25.2

PPM MENSURATION = 2.94 PRISE = 388. CX

LE	F	% F	FREQ	% FREQ
7	0	c.0	0.	0.0
8	0	c.1	0.	0.0
9	0	c.0	c.	0.0
10	0	c.0	0.	0.0
11	0	c.0	0.	0.0
12	0	c.0	0.	0.0
13	0	c.0	0.	0.0
14	14	11.3	2800.	6.59
15	15	12.0	3000.	7.06
16	5	4.0	1000.	2.35
17	0	G.3	c.	0.0
18	0	c.0	0.	0.0
19	0	c.0	0.	0.0
20	1	0.8	352.	0.02
21	5	4.0	1960.	4.61
22	6	4.8	2352.	5.64
23	5	4.0	1960.	4.61
24	8	6.4	3134.	7.32
25	9	7.2	3528.	8.31
26	11	8.2	4312.	10.19
27	15	12.0	5880.	13.84
28	9	7.3	3528.	8.31
29	3	2.4	1176.	2.77
30	6	4.1	2352.	5.64
31	5	4.1	1960.	4.61
32	3	2.4	3176.	2.77
33	2	1.6	784.	1.85
34	1	G.8	392.	0.92
35	2	1.6	784.	1.85
36	0	0.0	0.	0.0
37	0	0.0	c.	0.0
38	0	0.0	c.	0.0
39	0	0:a	0.	0.0
40	0	c.0	c.	0.0
41	0	0.0	0.	0.0
42	0	G.0	0.	0.0
43	0	c.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	c.	0.0
47	0	c.0	0.	0.0
48	0	G.0	0.	0.0
49	0	0.0	0.	0.0
50	0	c.0	c.	0.0
TOTAL	125	100.0	42472.	100.00

## MAQUEREAU

(Scomber japonicus)

1977

MOTS	PRISES (QUINTAUX)	NON ECHANTILLONNEES		
		POIDS (QX)	%	MOULES
JANVIER	23	12	52.2	8
FEVRIER	571	63	11.0	7
MARS	14	2	14.3	7
AVRIL	0	-	-	-
MAI	0	-	-	-
JUIN	0	-	-	-
JUILLET	0	-	-	-
AOUT	0	-	-	-
SEPTEMBRE	0	-	-	-
OCTOBRE	0	-	-	-
NOVEMBRE	0	-	-	-
DECEMBRE	83	-	-	-
Total	691	77	11.1	

SOPHISTER JANVIER 1977

- 67 -

ACMEER COLIAS

TOTAL

VARIANCCE = 1.68 Ecart-type = 1.30 MOYENNE = 25.1

PPM MENSURATION = 4.55 PRISE = 23. CX

LF	F	% F	FFEC	% FFEC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	0	0.0	0.	0.0
23	5	20.0	1100.	20.00
24	8	32.0	1760.	32.00
25	8	32.0	1760.	32.00
26	2	8.0	440.	8.00
27	0	0.0	0.	0.0
28	2	8.0	440.	8.00
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	25	100.0	5500.	100.00

## SAF CINIER FEVRIER 1977

SOCOMEX COLIAS

TOTAL

VARIANCIE = 1.94 ECAFT-TYPE = 1.39 MOYENNE = 26.4

PEM MENSURATION = 0.69 PRIXSE = 571. CX

LF	F	% F	FFF/C	% FFF/C
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	2	1.2	2902.	1.23
23	5	3.1	7257.	3.07
24	21	12.9	30479.	12.88
25	31	19.0	44594.	19.02
26	42	25.8	60559.	25.77
27	42	25.8	60559.	25.77
28	17	10.4	24674.	10.43
29	3	1.8	4354.	1.84
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	3	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	163	100.0	236582.	100.00

## SARCIENIER MARS 1977

- 69 -

SCOMBER COLIAS

TOTAL

VARIANCCE = 1.83 ECAFT-TYPE = 1.35 MOYENNE = 25.7

PPM MENSURATION = 5.00 PRIX = 14. CX

LF	F	4 F	FFFC	2 FFFC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	0	0.0	0.	0.0
23	3	9.7	600.	9.65
24	9	29.0	1800.	29.03
25	5	16.1	1000.	16.13
26	7	22.6	1400.	22.58
27	6	19.4	1200.	19.46
28	1	3.2	200.	3.23
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	31	100.0	€200.	100.00

## SAFETY DEPARTMENT

COFFEE COFFEE

TOTAL

- 12

VITIANCE = 1.32 ECART-TYPE = 1.15 MOYENNE = 26.1

PPM MENSURATION = 2.31 PRISE = 33. CX

LE	F	% F	PPM	% PPM
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	0	0.0	0.	0.0
16	0	0.0	0.	0.0
17	0	0.0	0.	0.0
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	1	1.1	262.	0.91
23	2	2.2	725.	1.92
24	13	14.1	5097.	17.78
25	27	29.3	12098.	30.32
26	31	33.7	13549.	33.96
27	13	14.1	5739.	14.38
28	5	5.4	2326.	5.83
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	92	100.0	39898.	99.99

## BOGUE

(Boops Boops)

1977

MOIS	PRISES (QUINTAUX)	NON ECHANTILLONNEES		
		POIDS (QX)	%	MOULES
JANVIER	7	-	-	-
FEVRIER	205	-	-	-
MARS	17	17	100.0	0
AVRIL	0	-	-	-
MAI	0	-	-	-
JUIN	0	-	-	-
JUILLET	0	-	-	-
AOUT	0	-	-	-
SEPTEMBRE	0	-	-	-
OCTOBRE	0	-	-	-
NOVEMBRE	0	-	-	-
DECEMBRE	0	-	-	-
Total	229	17.0	7.4	

CATÉGORIES

TOTAL

VARIANCE = 0.49 Ecart-type = 0.70 MOYENNE = 16.0

PPM MENSURATION = 4.29 PREISE = 7. CX

LF	F	% F	FFREQ	* FFPC
7	0	0.0	0.	0.0
8	0	0.0	0.	0.0
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	3	6.4	699.	6.37
15	21	44.7	4899.	44.67
16	20	42.5	4666.	42.55
17	3	6.4	699.	6.37
18	0	0.0	0.	0.0
19	0	0.0	0.	0.0
20	0	0.0	0.	0.0
21	0	0.0	0.	0.0
22	0	0.0	0.	0.0
23	0	0.0	0.	0.0
24	0	0.0	0.	0.0
25	0	0.0	0.	0.0
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
TOTAL	47	100.0	10966.	99.97

## SUFFISANTES FOIVATIF 1977

- 73 -

TOUTES LES PPS

TOTAL

VARIANCE = 1.22 ECART-TYPE = 1.11 MOYENNE = 17.4

POW MENSURATION = c.44 PRIX = 205. CX

LP	F	$\bar{x}$ F	FPS	$\bar{x}$ FPS
9	0	0.0	0.	0.0
10	0	0.0	0.	0.0
11	0	0.0	0.	0.0
12	0	0.0	0.	0.0
13	0	0.0	0.	0.0
14	0	0.0	0.	0.0
15	3	2.9	6833.	2.86
16	8	7.6	18222.	7.62
17	23	21.3	52388.	21.80
18	40	38.1	91111.	38.10
19	26	24.3	59222.	24.76
20	3	2.9	6833.	2.86
21	2	1.9	4555.	1.90
22	0	0.0	0.	0.0
23	0	0.0	0.	0.0
24	0	0.0	0.	0.0
25	0	0.0	0.	0.0
26	0	0.0	0.	0.0
27	0	0.0	0.	0.0
28	0	0.0	0.	0.0
29	0	0.0	0.	0.0
30	0	0.0	0.	0.0
31	0	0.0	0.	0.0
32	0	0.0	0.	0.0
33	0	0.0	0.	0.0
34	0	0.0	0.	0.0
35	0	0.0	0.	0.0
36	0	0.0	0.	0.0
37	0	0.0	0.	0.0
38	0	0.0	0.	0.0
39	0	0.0	0.	0.0
40	0	0.0	0.	0.0
41	0	0.0	0.	0.0
42	0	0.0	0.	0.0
43	0	0.0	0.	0.0
44	0	0.0	0.	0.0
45	0	0.0	0.	0.0
46	0	0.0	0.	0.0
47	0	0.0	0.	0.0
48	0	0.0	0.	0.0
49	0	0.0	0.	0.0
50	0	0.0	0.	0.0
TOTAL	105	100.0	239166.	100.00