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**Band:** 29 (1985-1986)

**Heft:** 2: Figuren und Tabellen

**Anhang:** [Figuren 5]

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# Fig. 5.1.a. Netz für automatischen Dosis- Alarm und -Messung (NADAM)

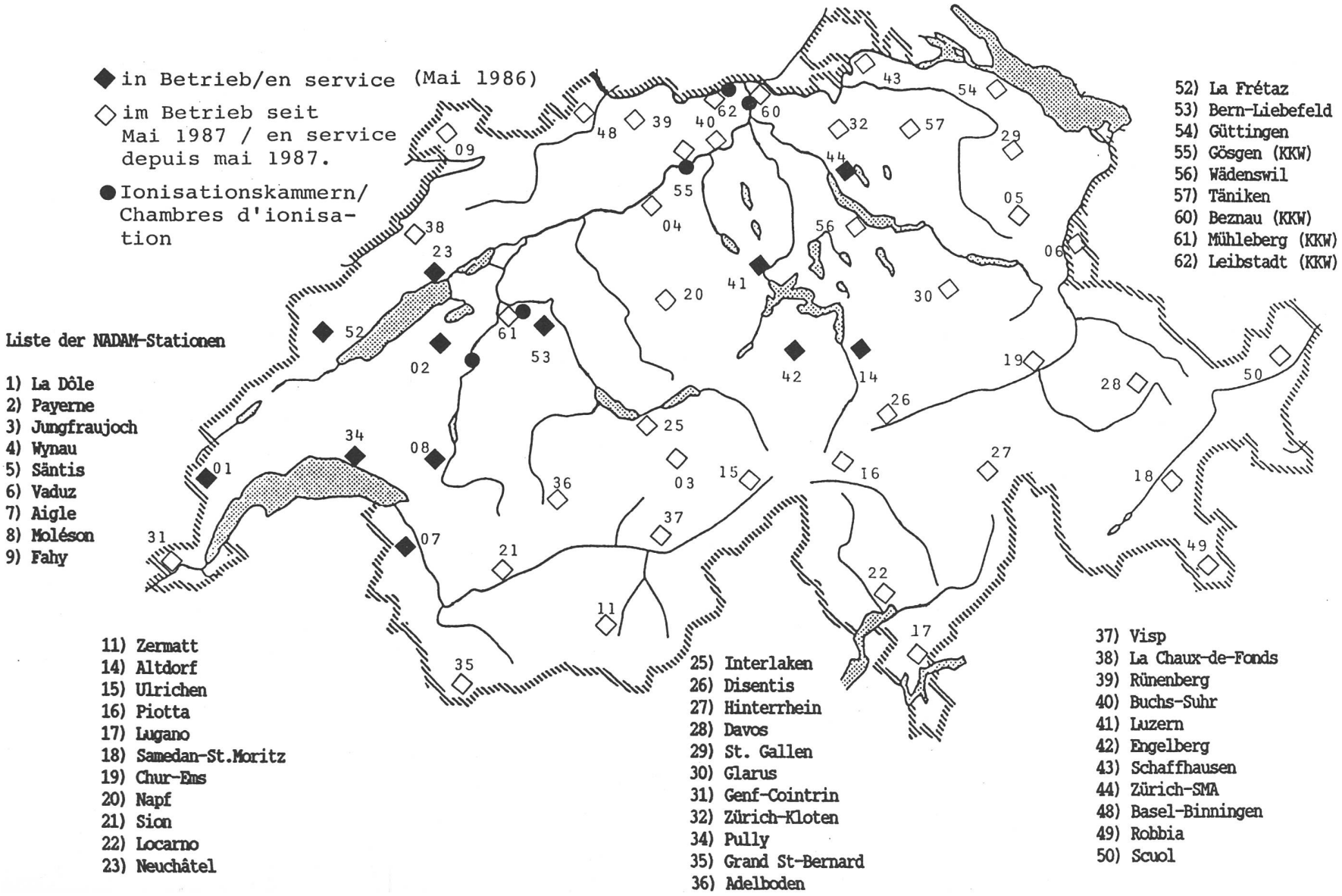


Fig. 5.1.b: Probenahme- und Messstellen im Kanton Tessin (1986)

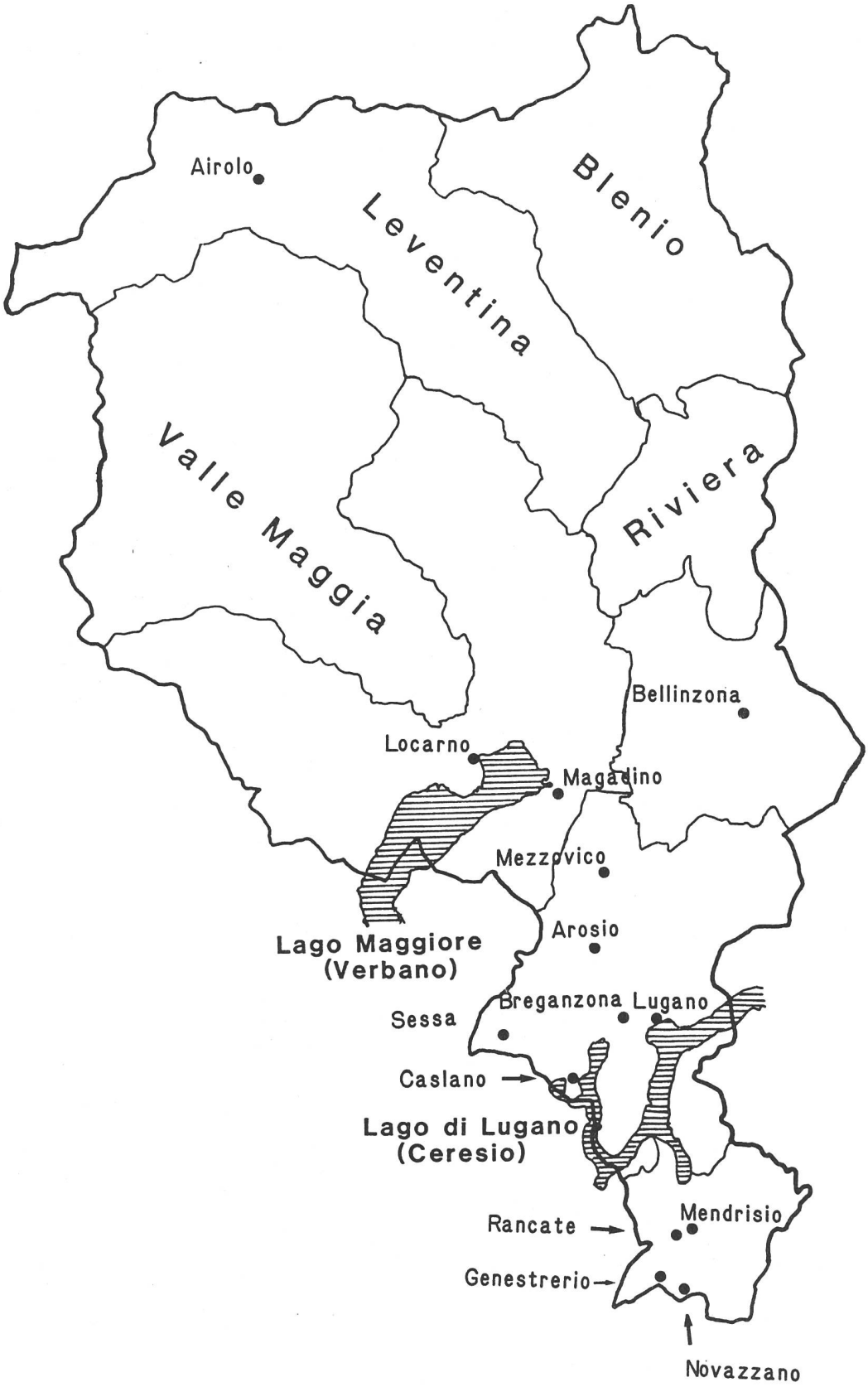


Fig.5.2.a: Gesamtabgaben Reaktorbrand Tschernobyl
(russ. Angaben)

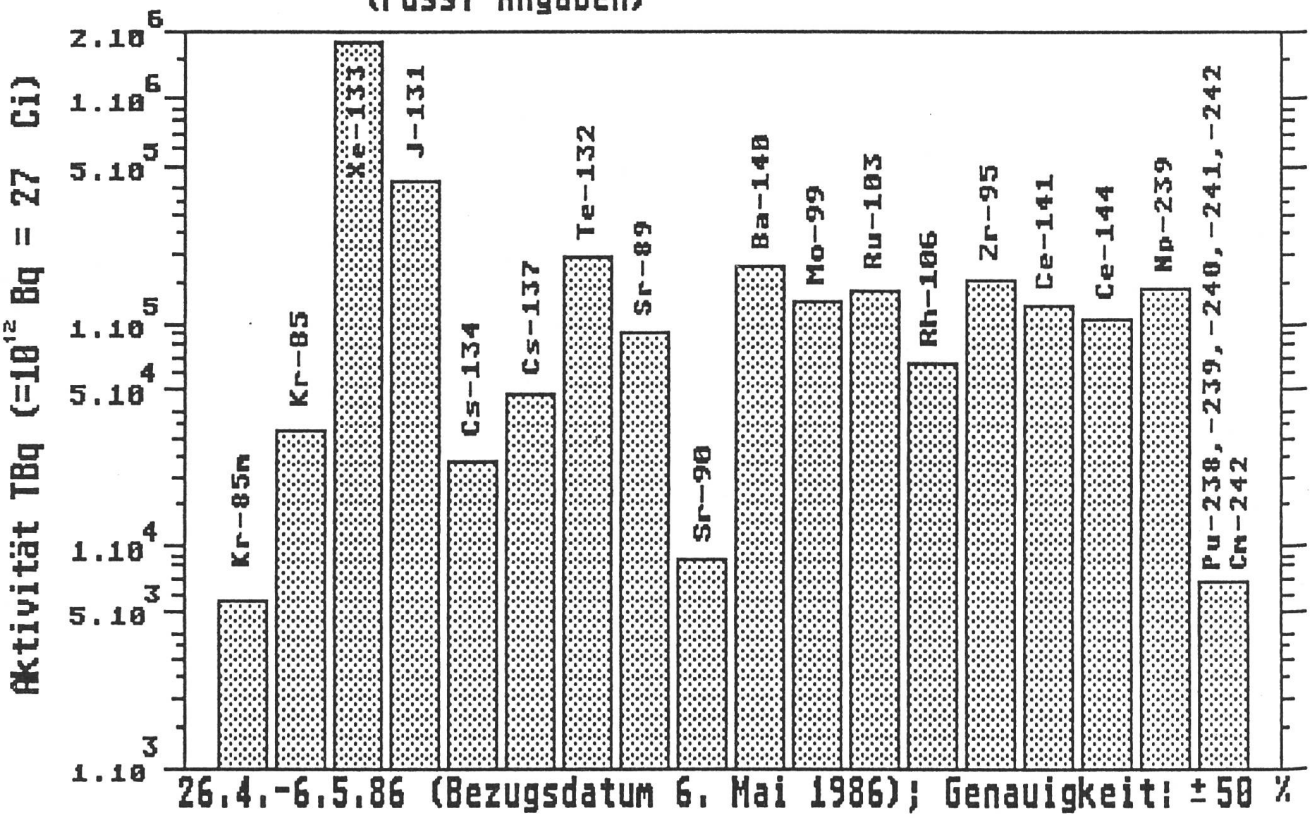



Fig.5.2.b: Gesamtabgaben Reaktorbrand Tschernobyl
(russ. Angaben)

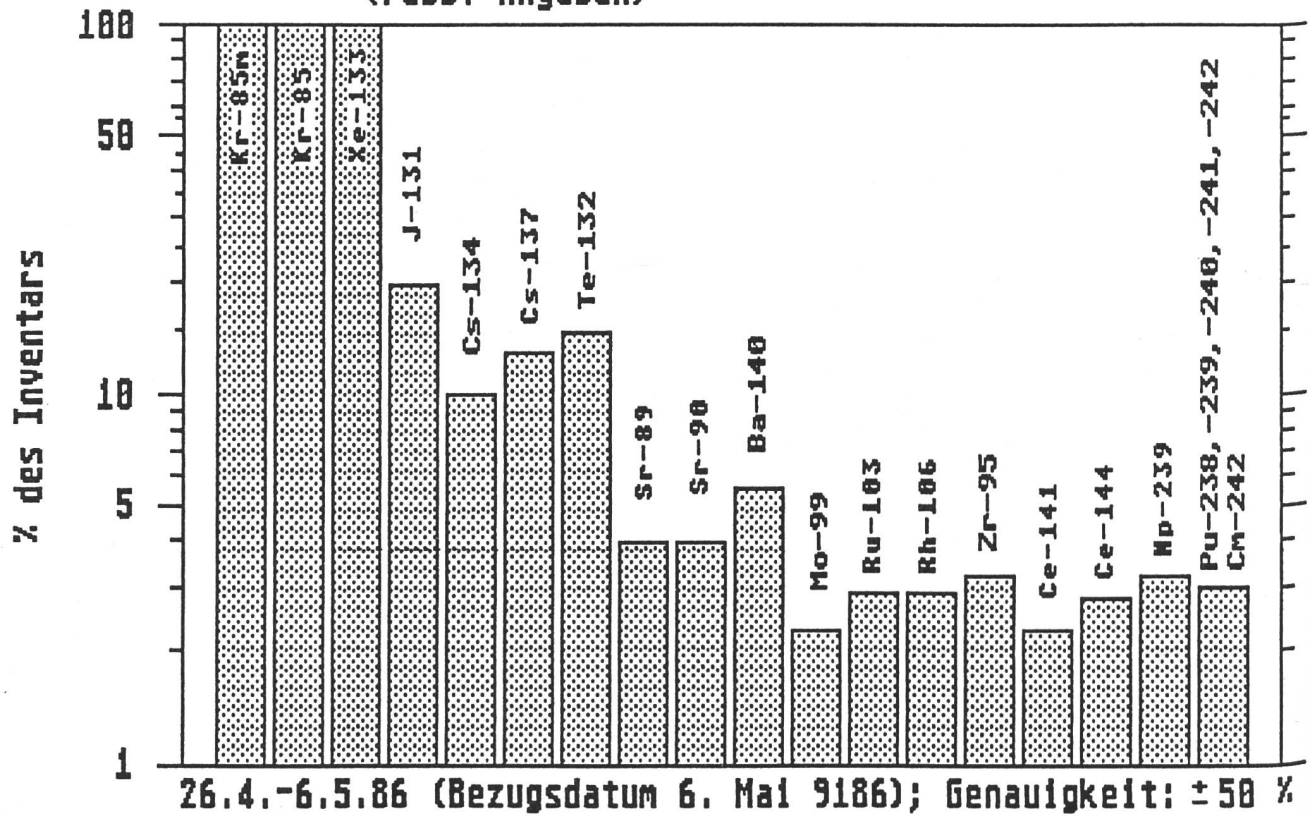


Fig. 5.3: **Probenahme Inland**

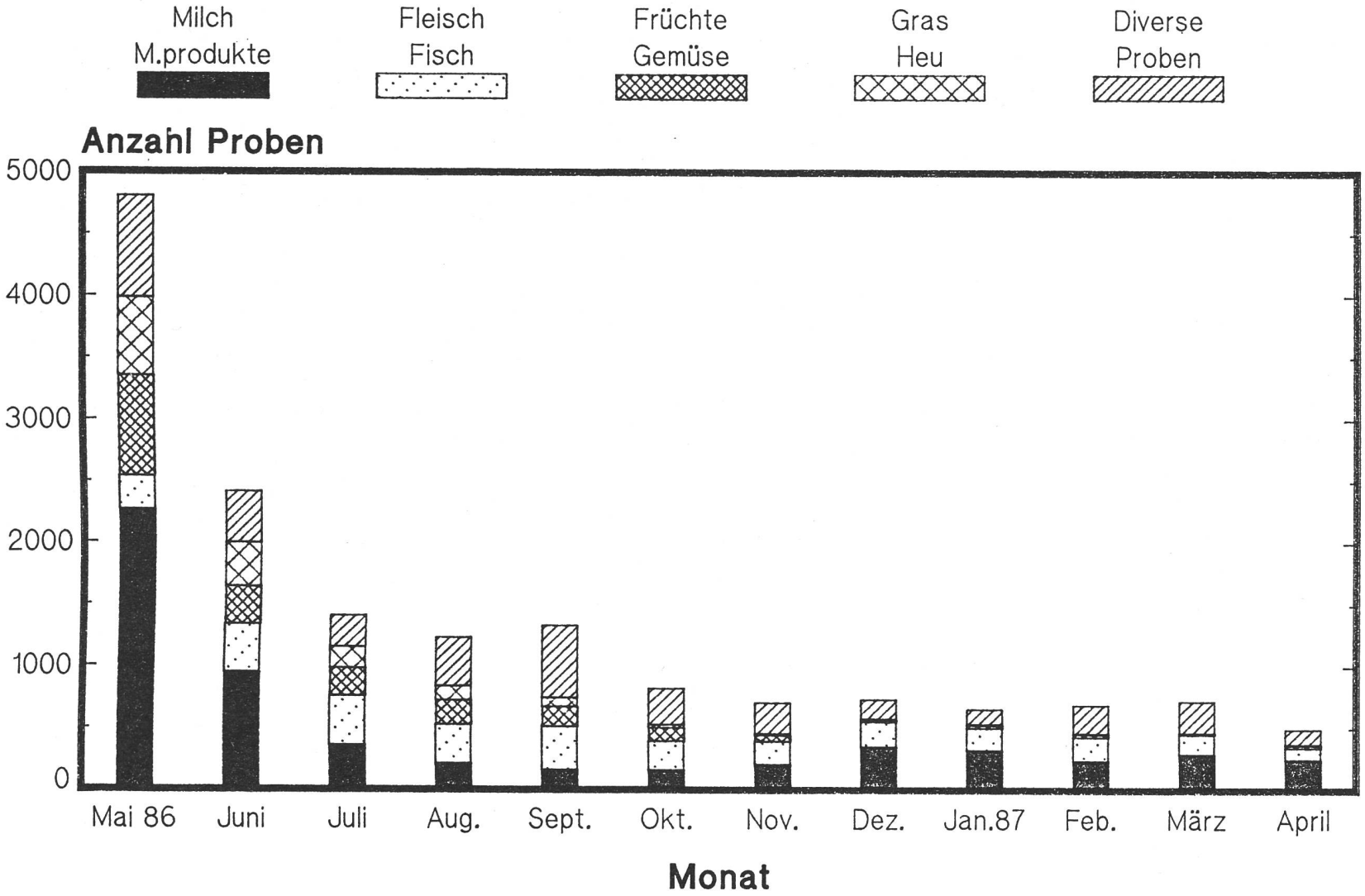


Fig.5.4.a: Aktivitätsverteilung rel. zu Cs-137, in verschiedenen Proben

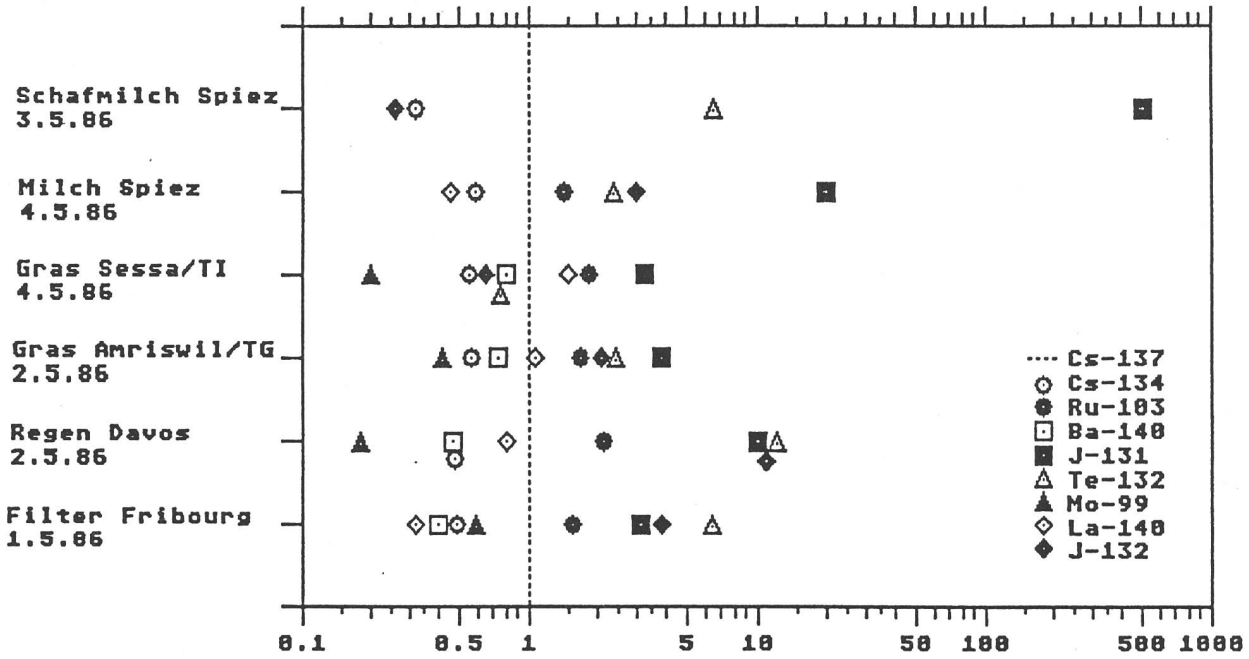



Fig.5.4.b: Vergleich: Aktivität zu interner Dosis: Blumenkohl Anfang Mai 1986 (Tessin)

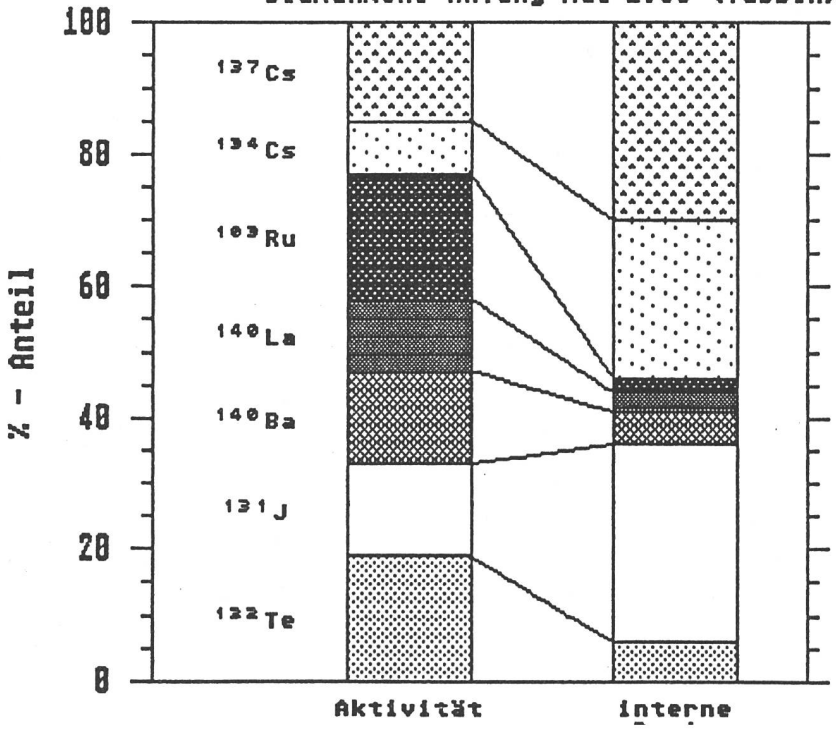


Fig. 5.5.a: Aktivitätsverhältnis Cs-134 / Cs-137 in ausgewählten Proben (±1σ)

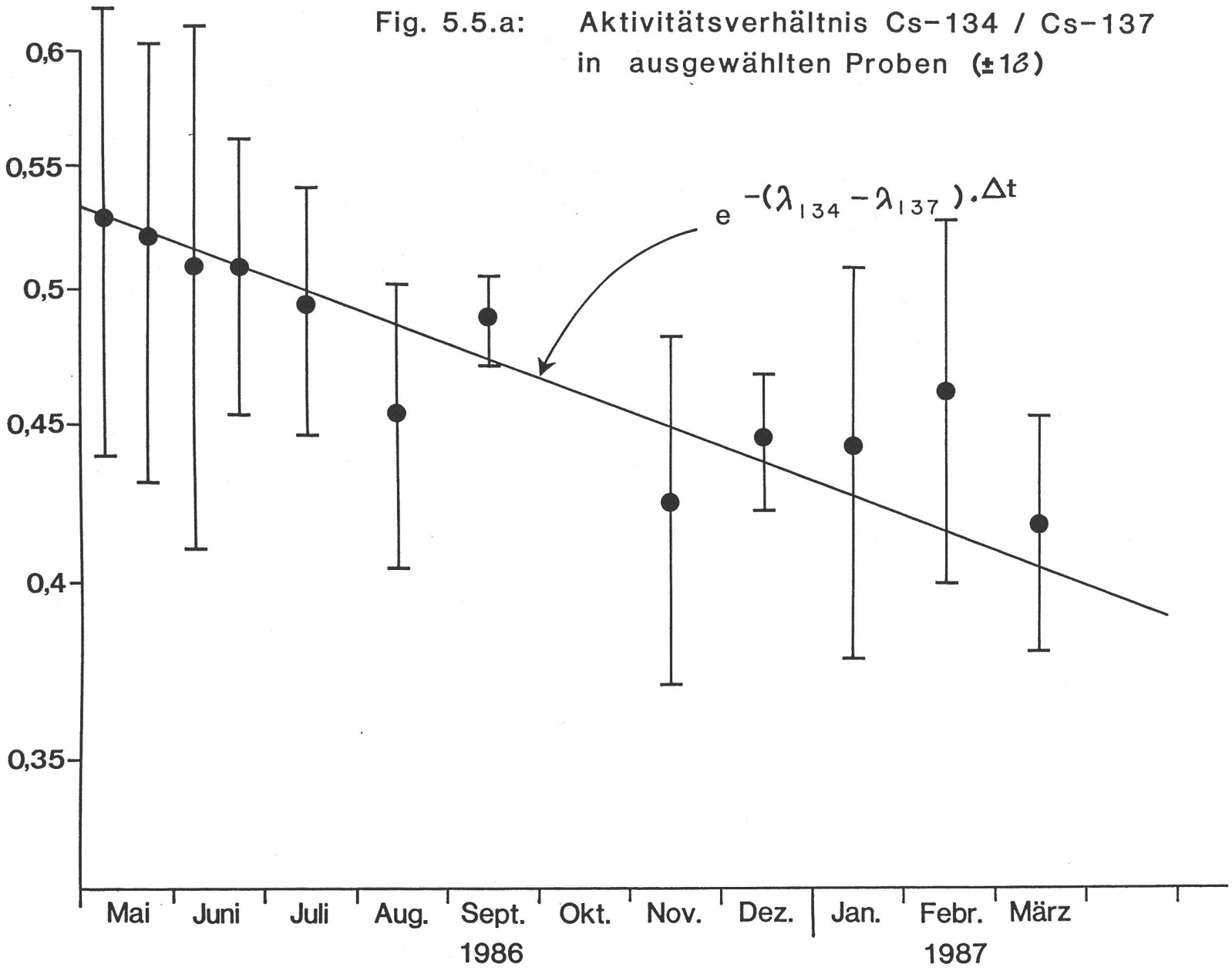


Fig. 5.5.b:

Aktivitäts-Verhältnis La-140 / Ba-140 in Luftfiltern(±1σ)

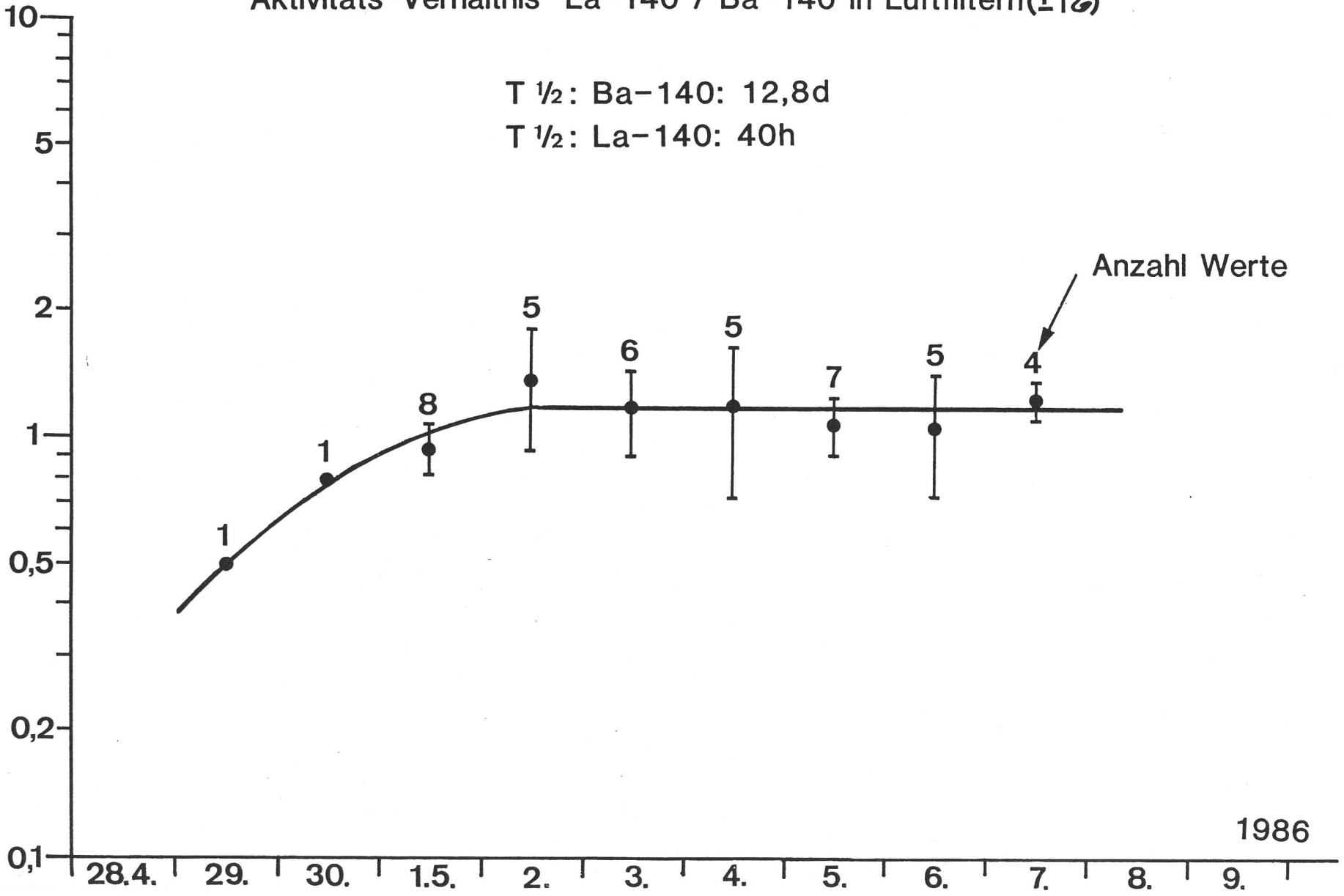


Fig. 5.5.c:
Aktivitäts-Verhältnis J-132 / Te-132 in Luftfiltern ( ± 1σ )

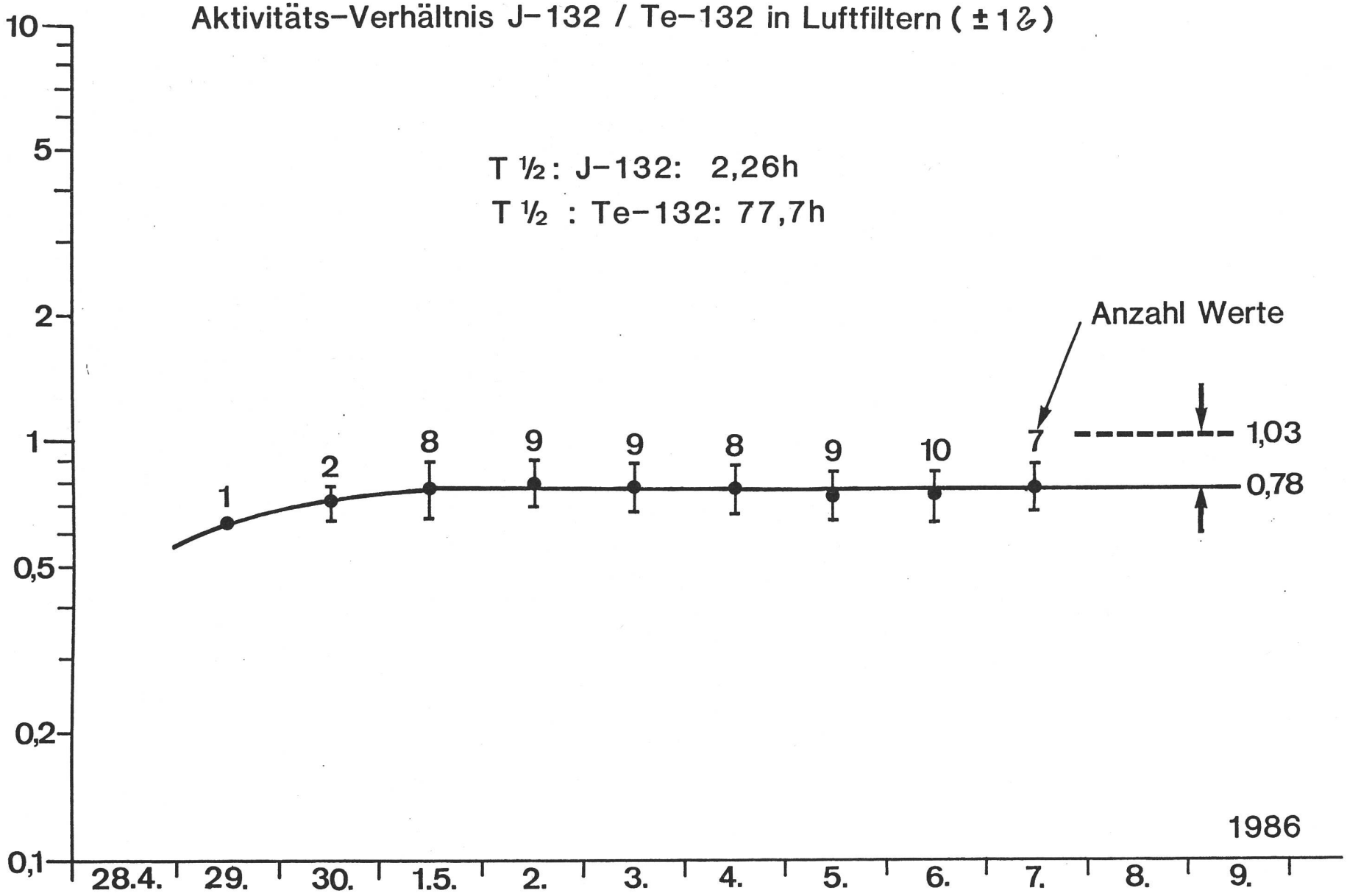


Fig.5.6.a. Integrale J-131-Aktivität (nur aerosolförmig) der Luft in $\frac{Bq.h}{m^3}$ (28.4.-8.5.1986)

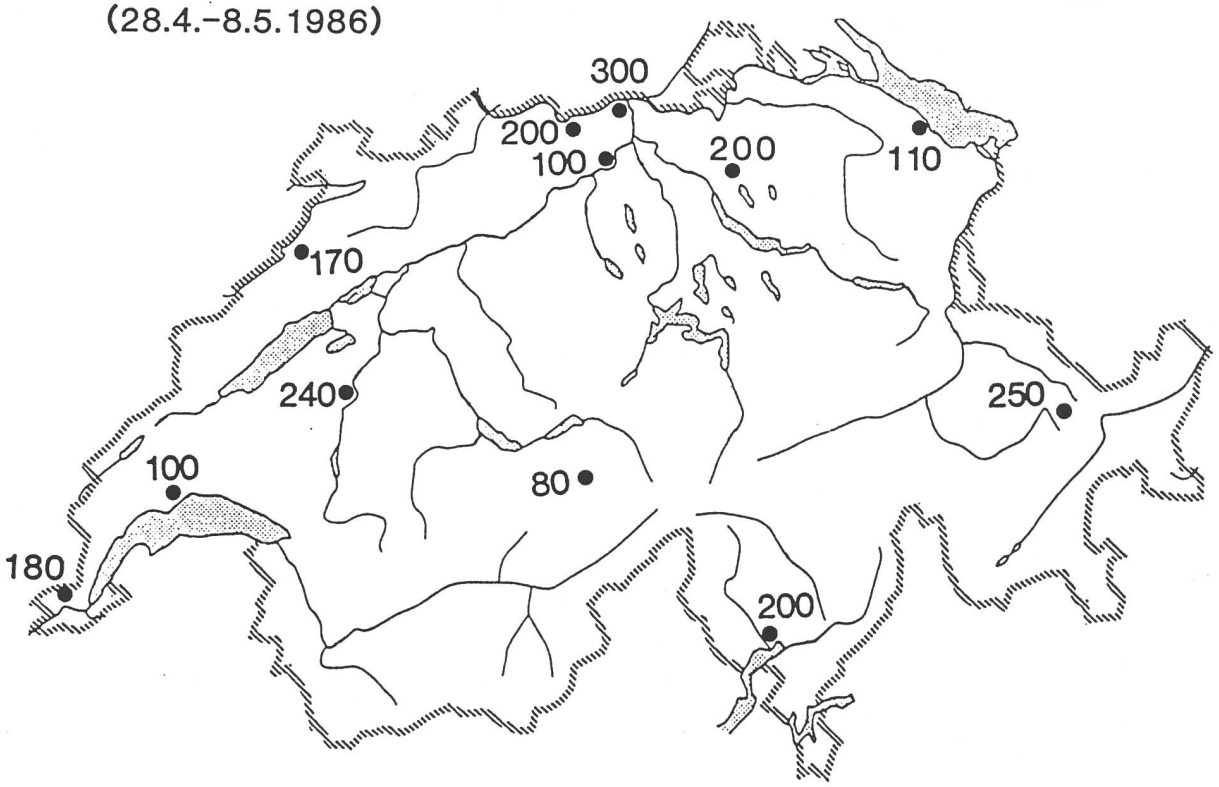



Fig. 5.6.b. Integrale Cs-137-Aktivität der Luft in $\frac{Bq.h}{m^3}$ (28.4.-8.5.1986)

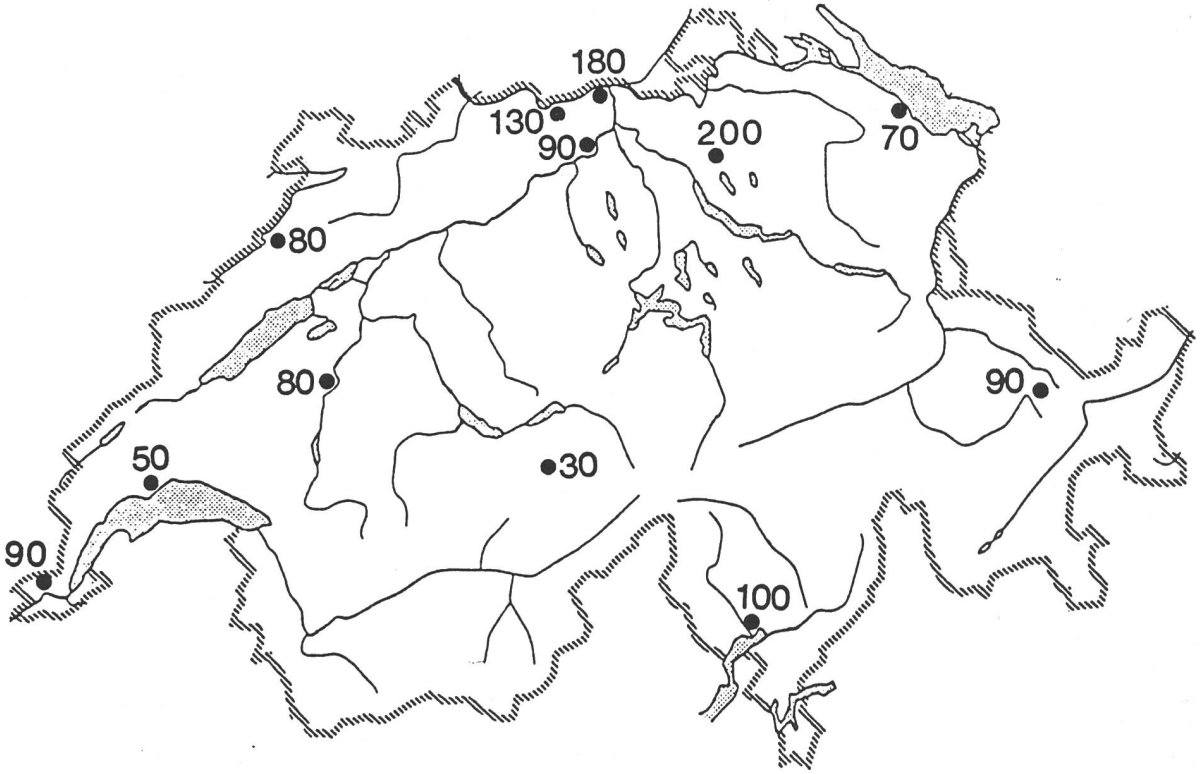


Fig. 5.7.a-1: LUFTFILTER

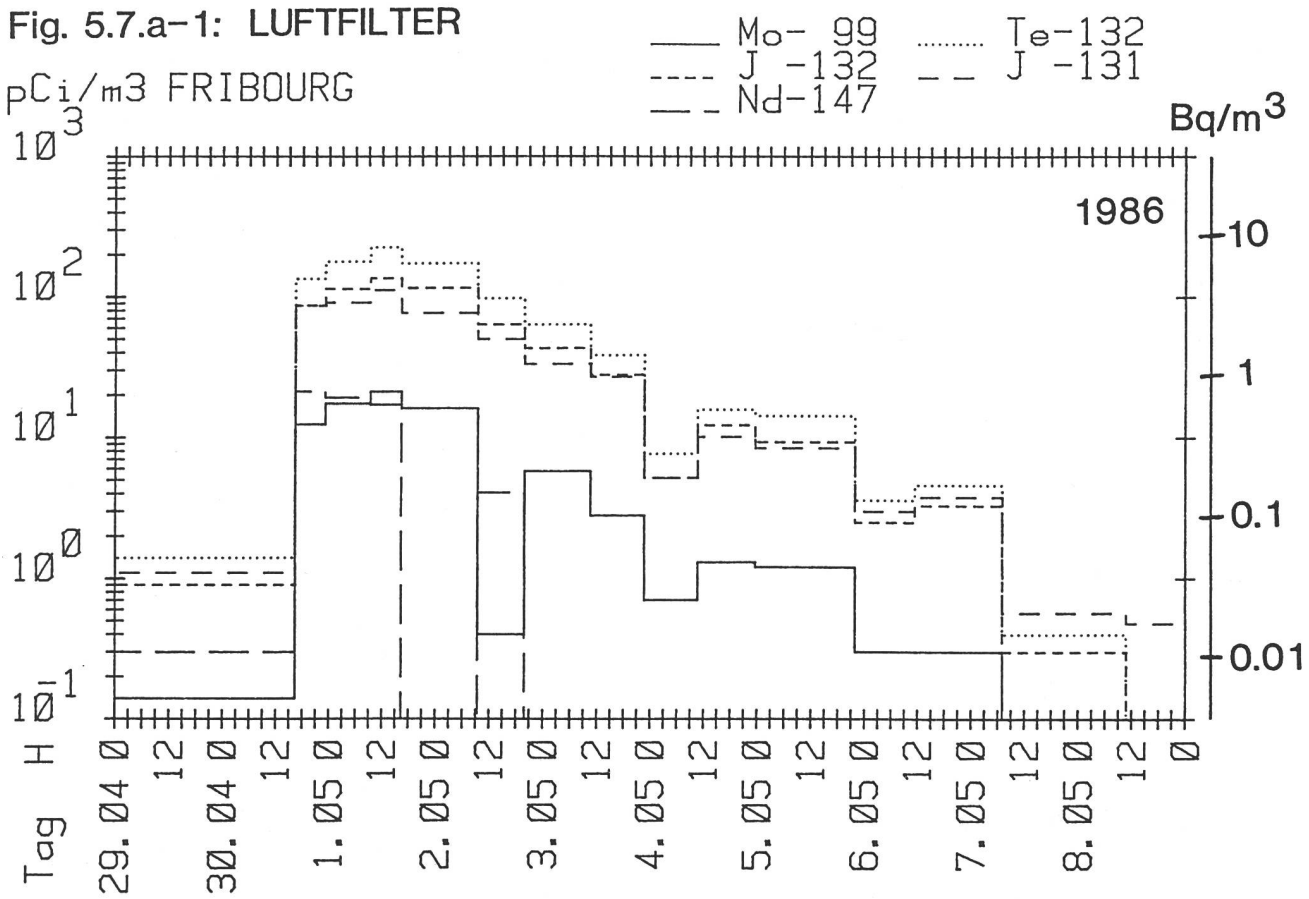



Fig. 5.7.a-2: LUFTFILTER

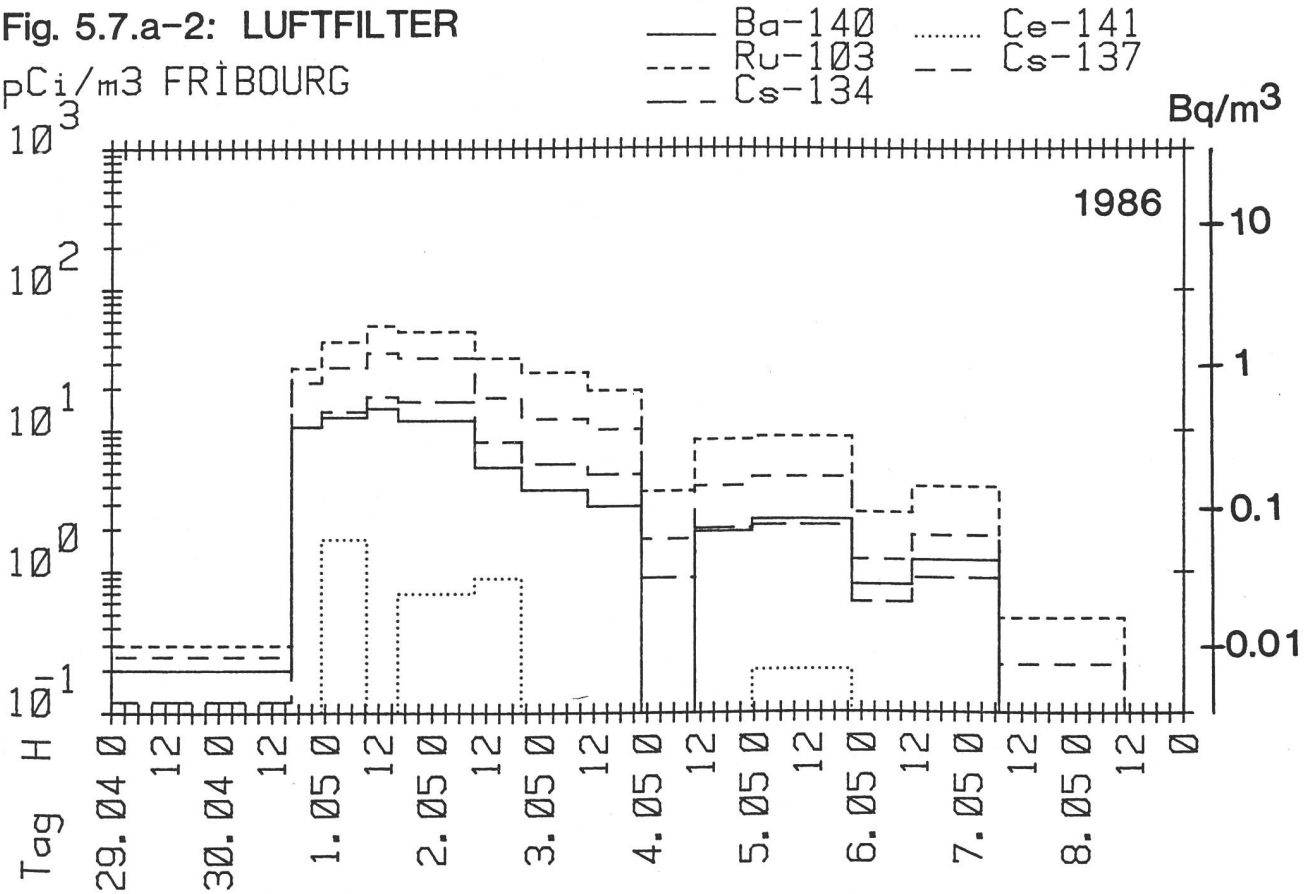


Fig. 5.7.a-3: LUFTFILTER

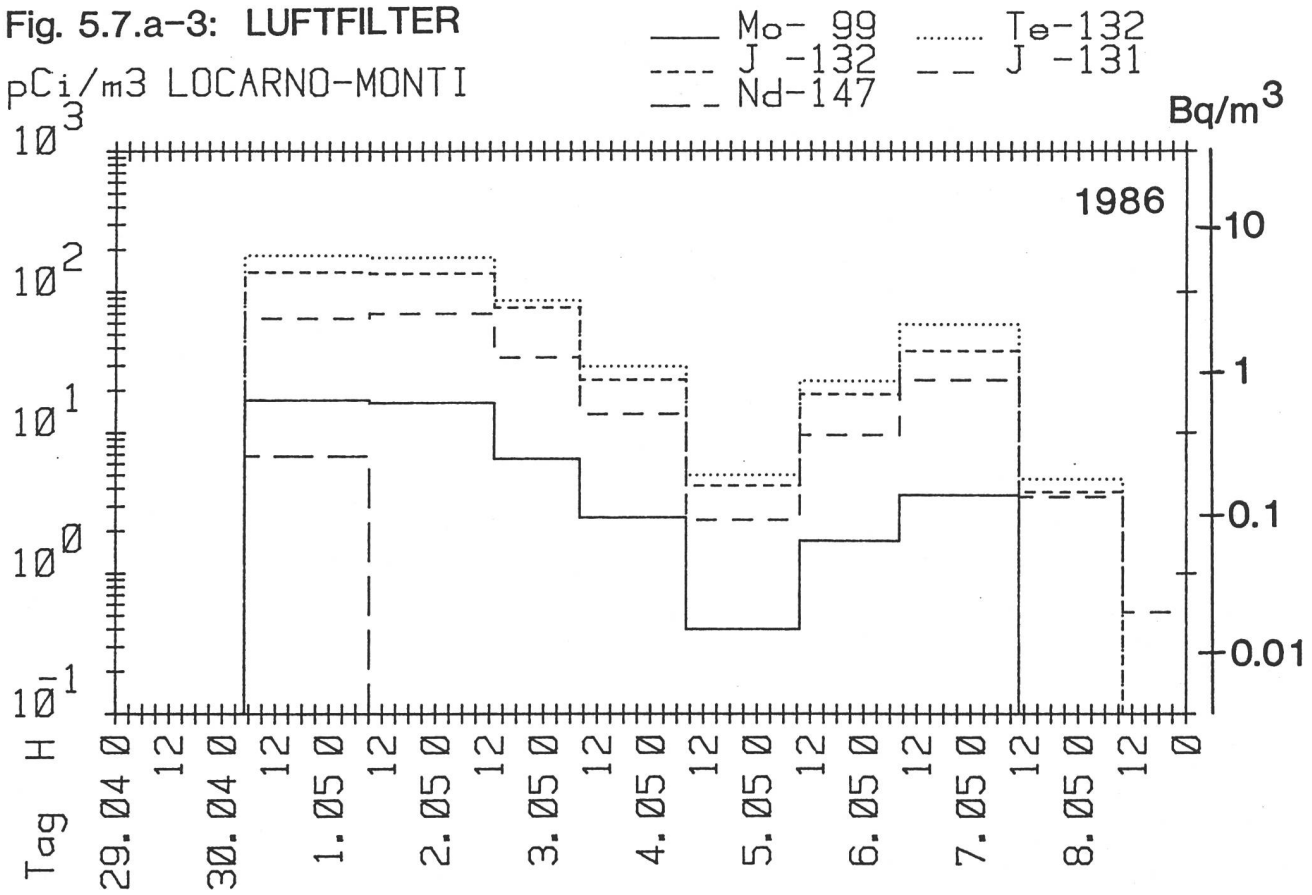
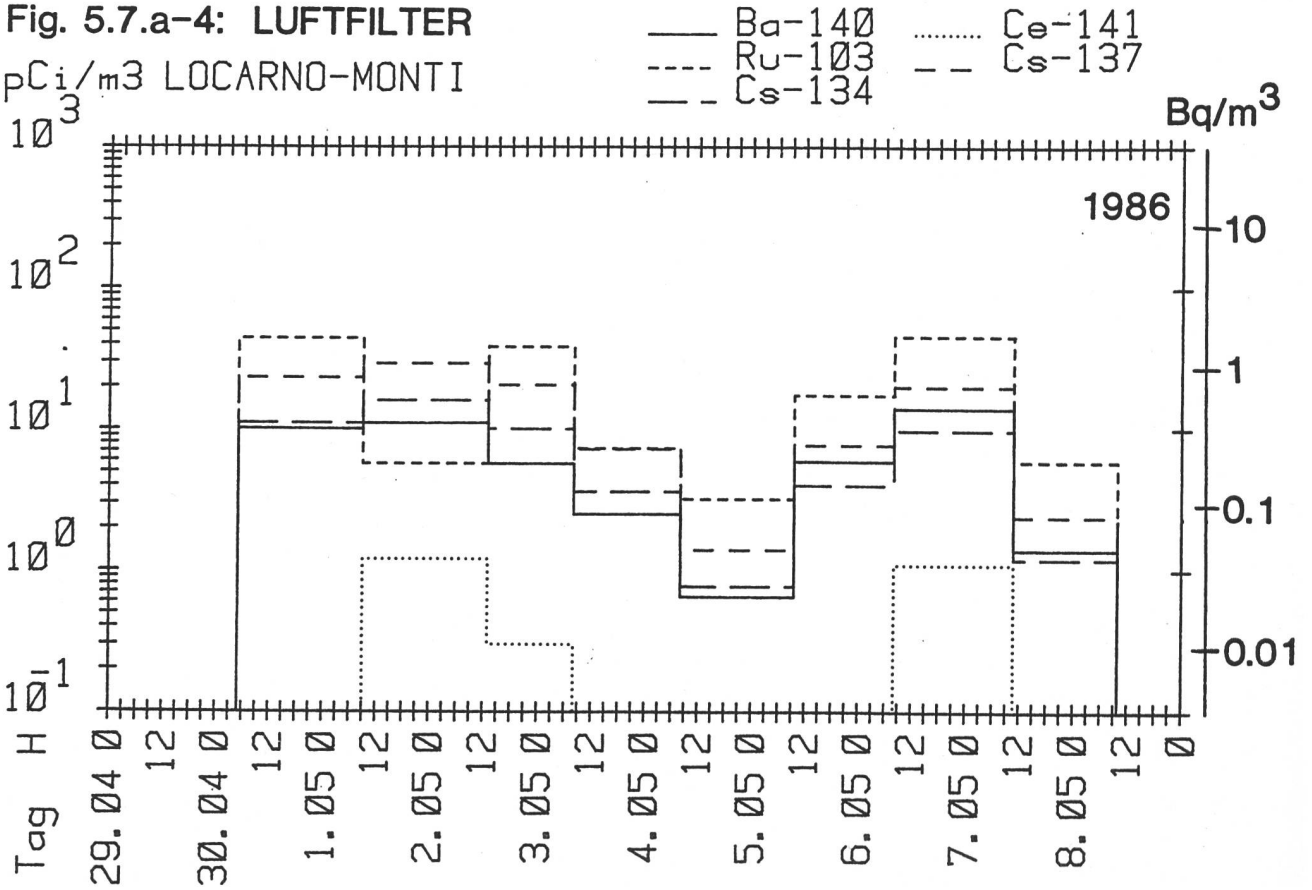



Fig. 5.7.a-4: LUFTFILTER



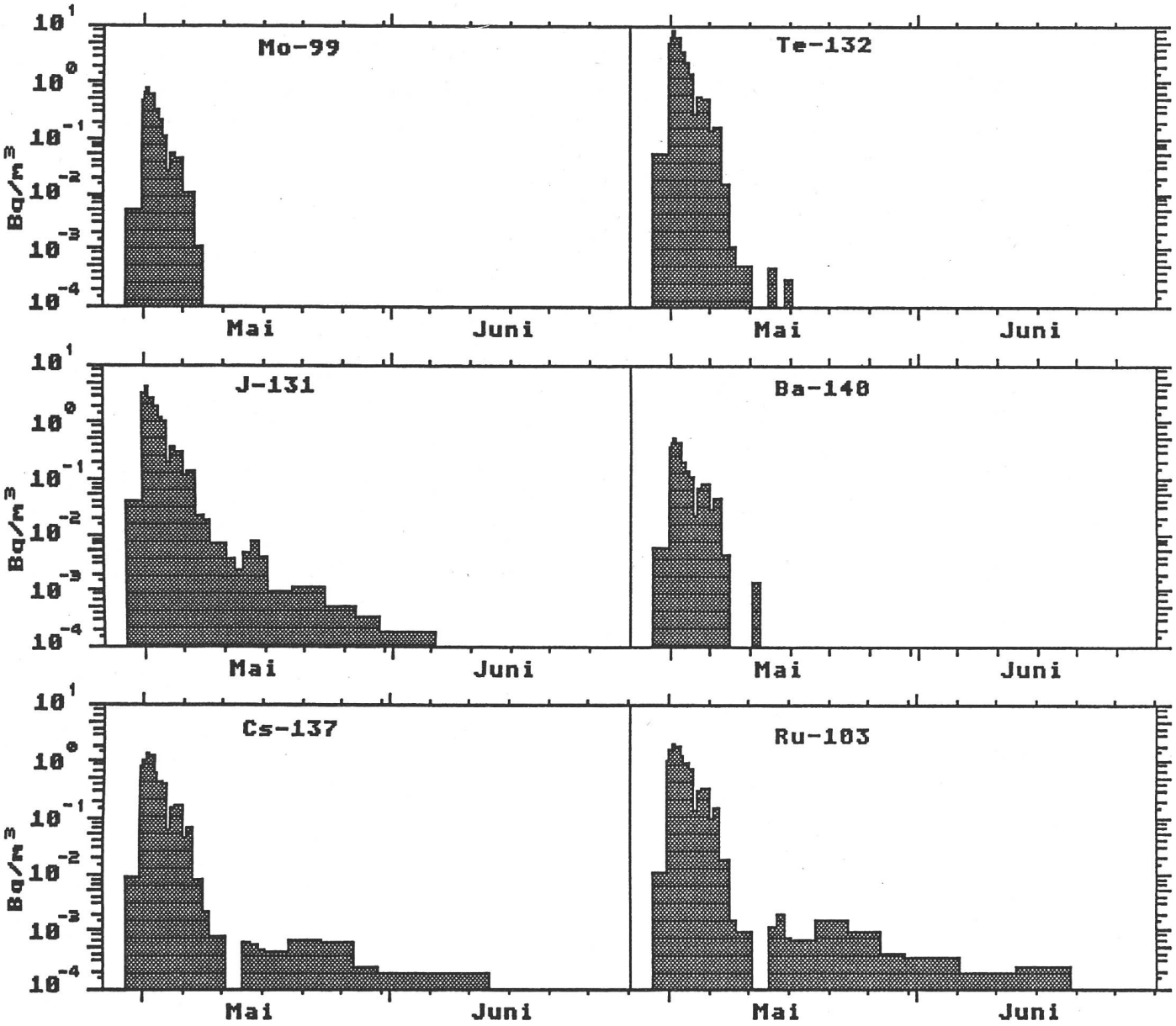



Fig.5.7.b.1: Luftfilter Fribourg: Mai - Juni 86

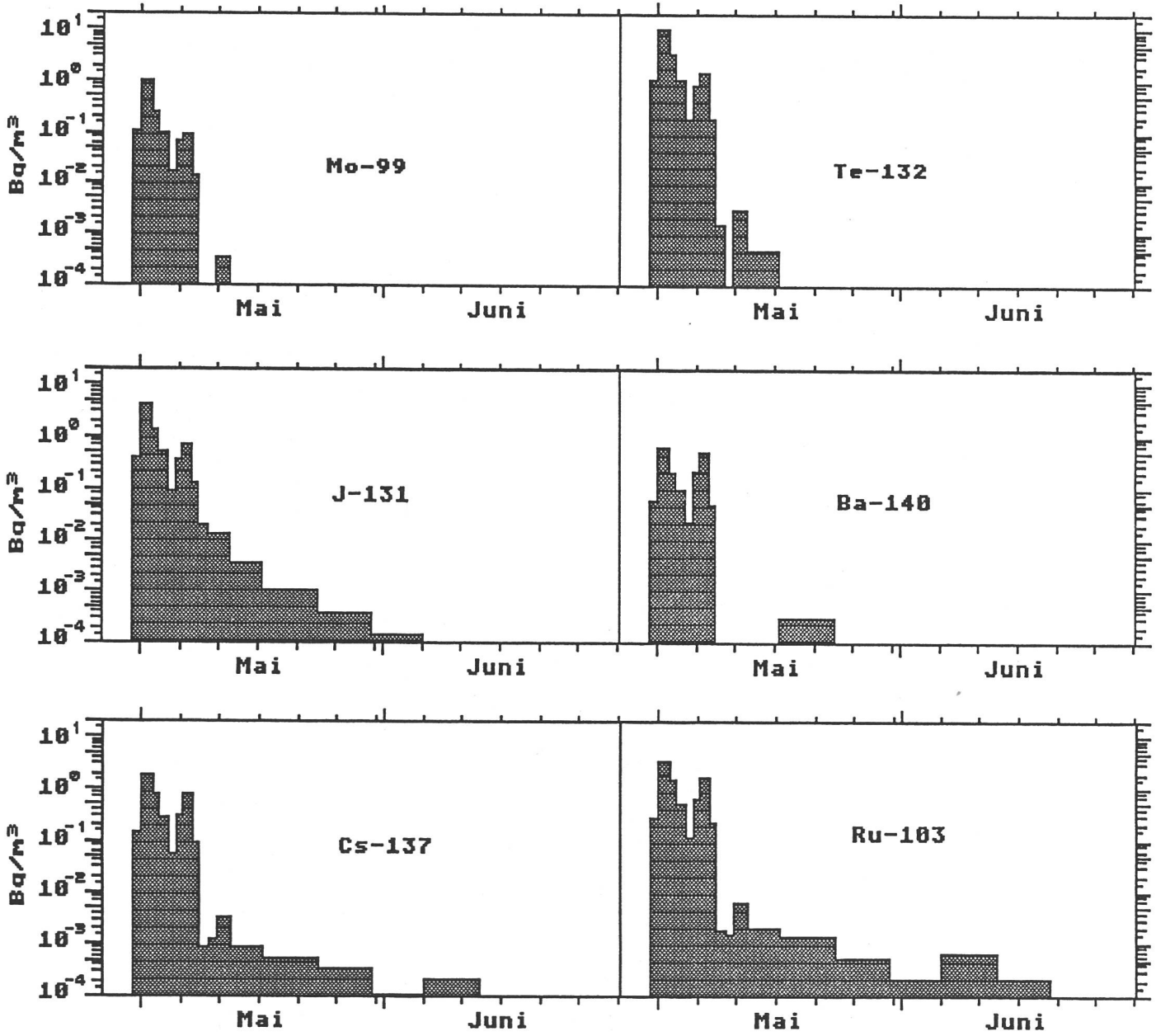



Fig.5.7.b.2: Luftfilter Locarno, Mai - Juni 1986

Fig.5.7.c.1: Luftaktivität ( Aerosole ), Fribourg, 1986

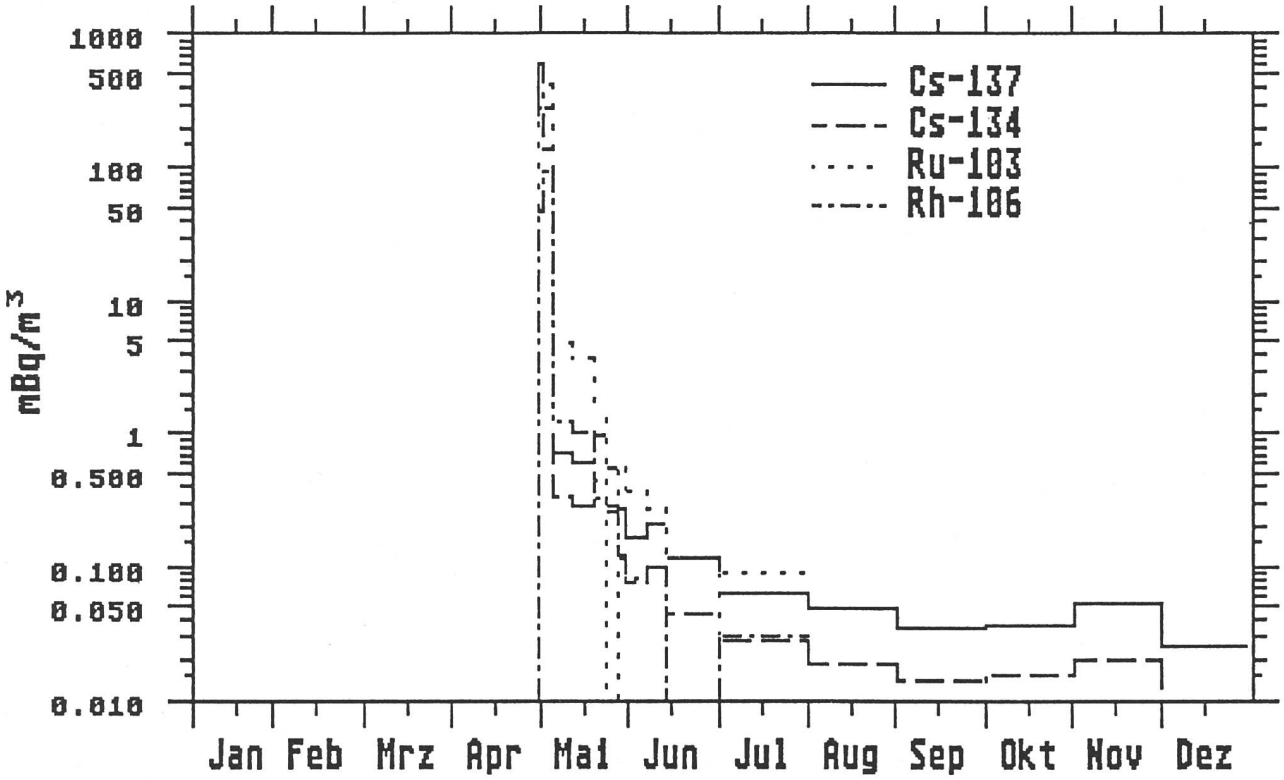



Fig.5.7.c.2: Luftaktivität ( Aerosole ), Gösgen, 1986

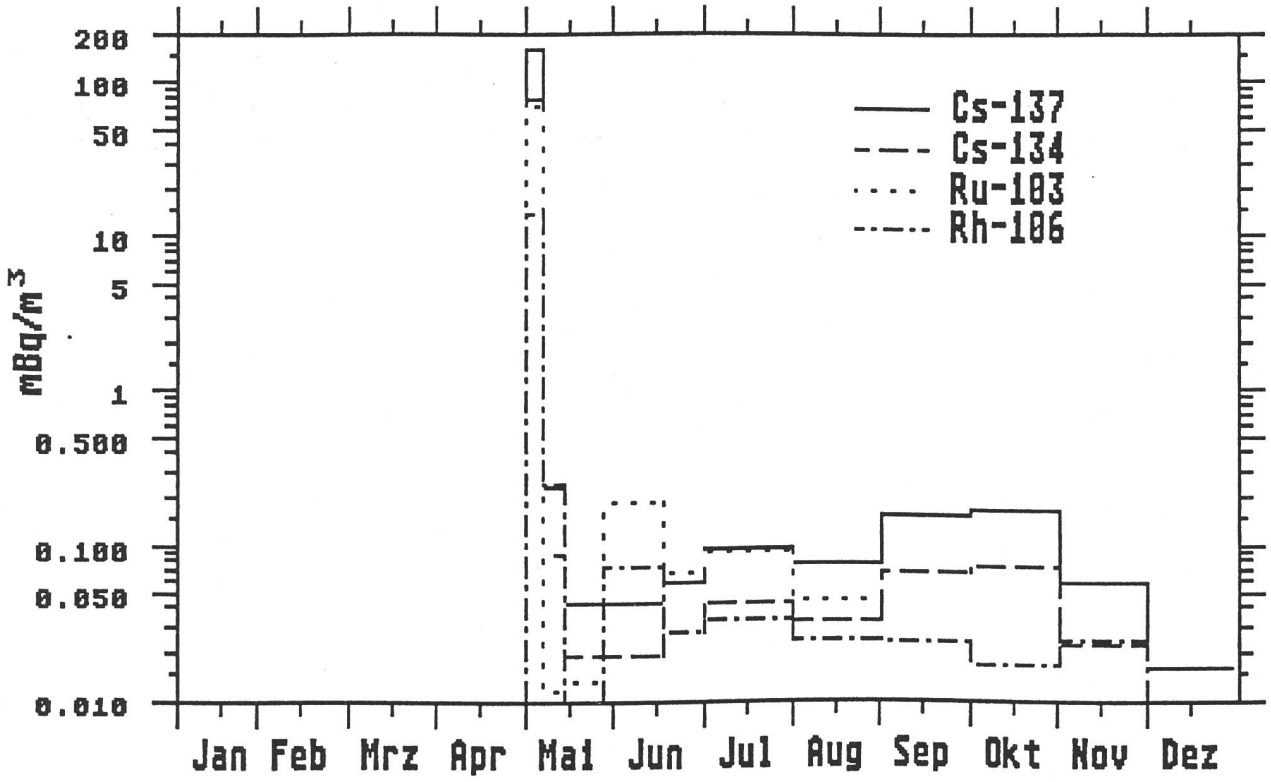


Fig.5.7.c.3: Luftaktivität ( Aerosole ),Mühleberg,1986

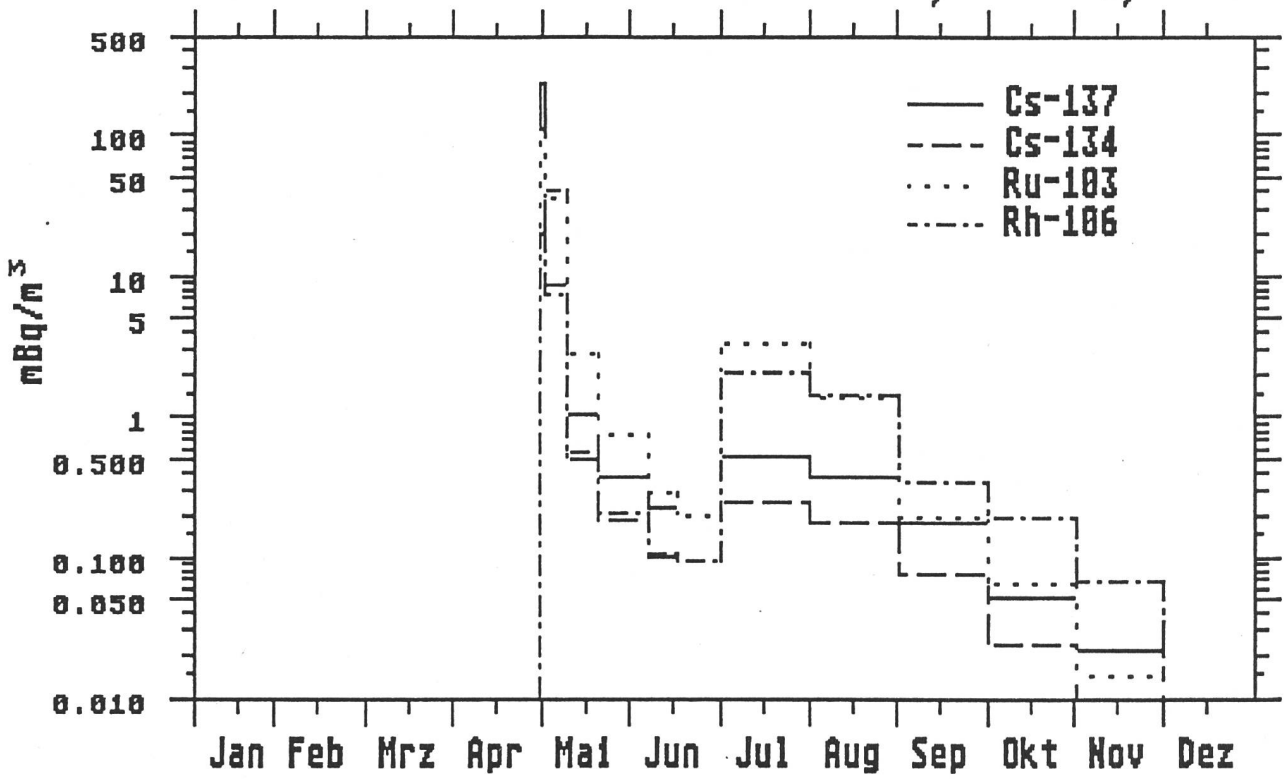



Fig.5.7.c.4: Luftaktivität (Aerosole), Leibstadt, 1986

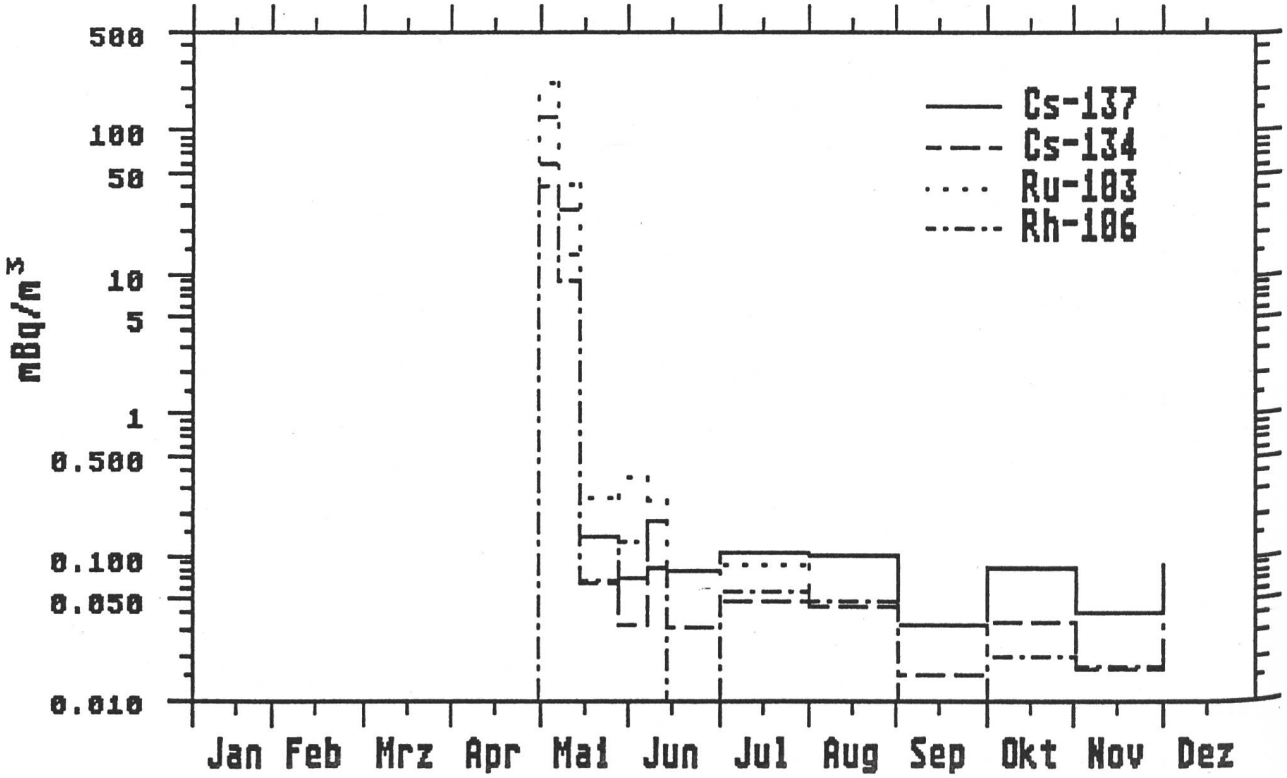


Fig. 5.8.a:
J-131 - Ablagerung via Niederschläge in $Bq/m^2$ (25.4.-6.6.86)

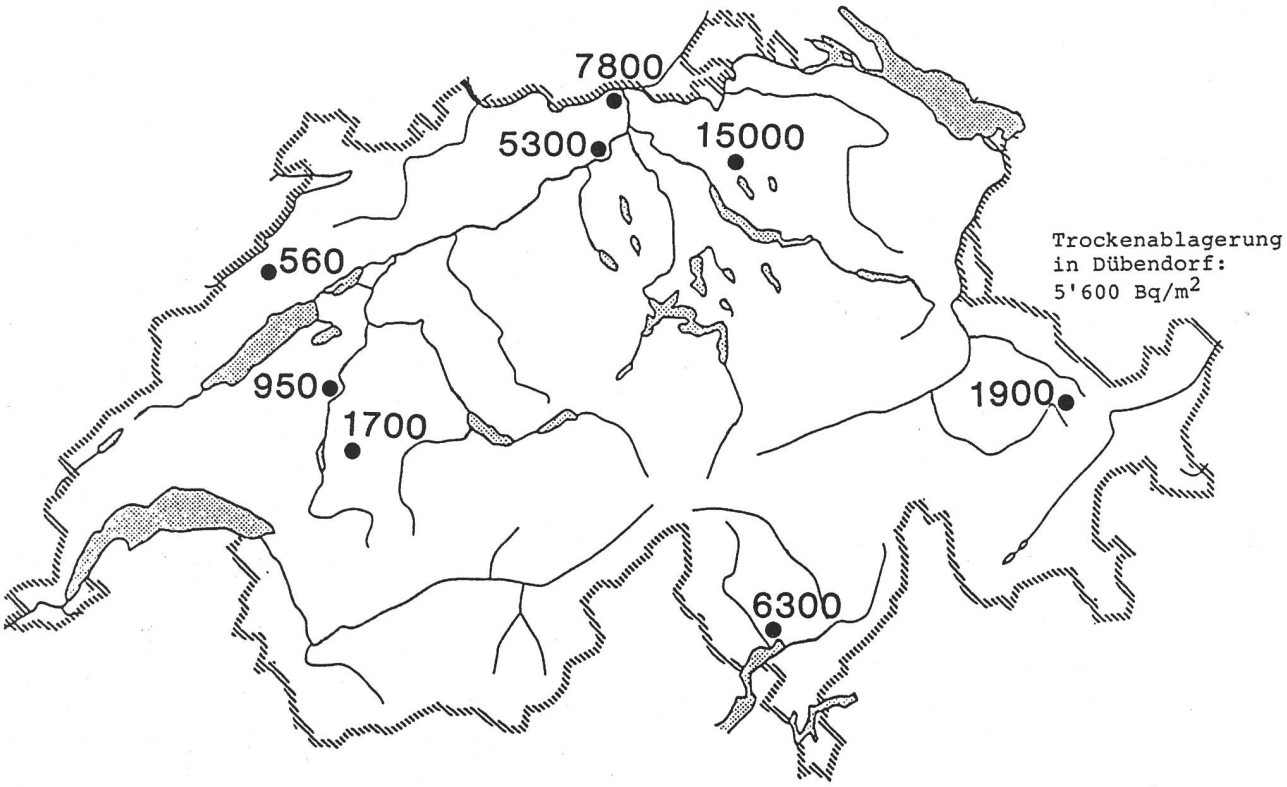



Fig. 5.8.b:
Ru-103 - Ablagerung via Niederschläge in $Bq/m^2$ (25.4.-6.6.86)

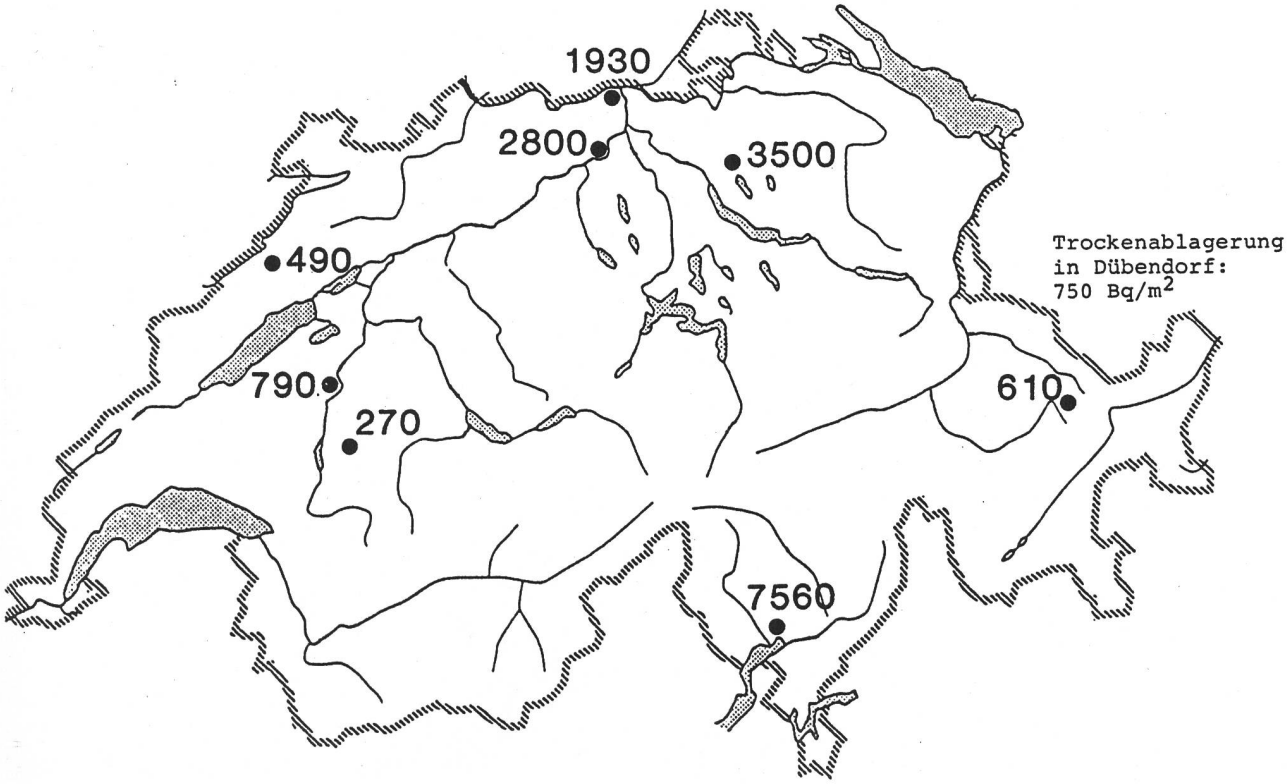


Fig. 5.8.c:
Cs-137 - Ablagerung via Niederschläge in $Bq/m^2$ (25.4.-6.6.86)

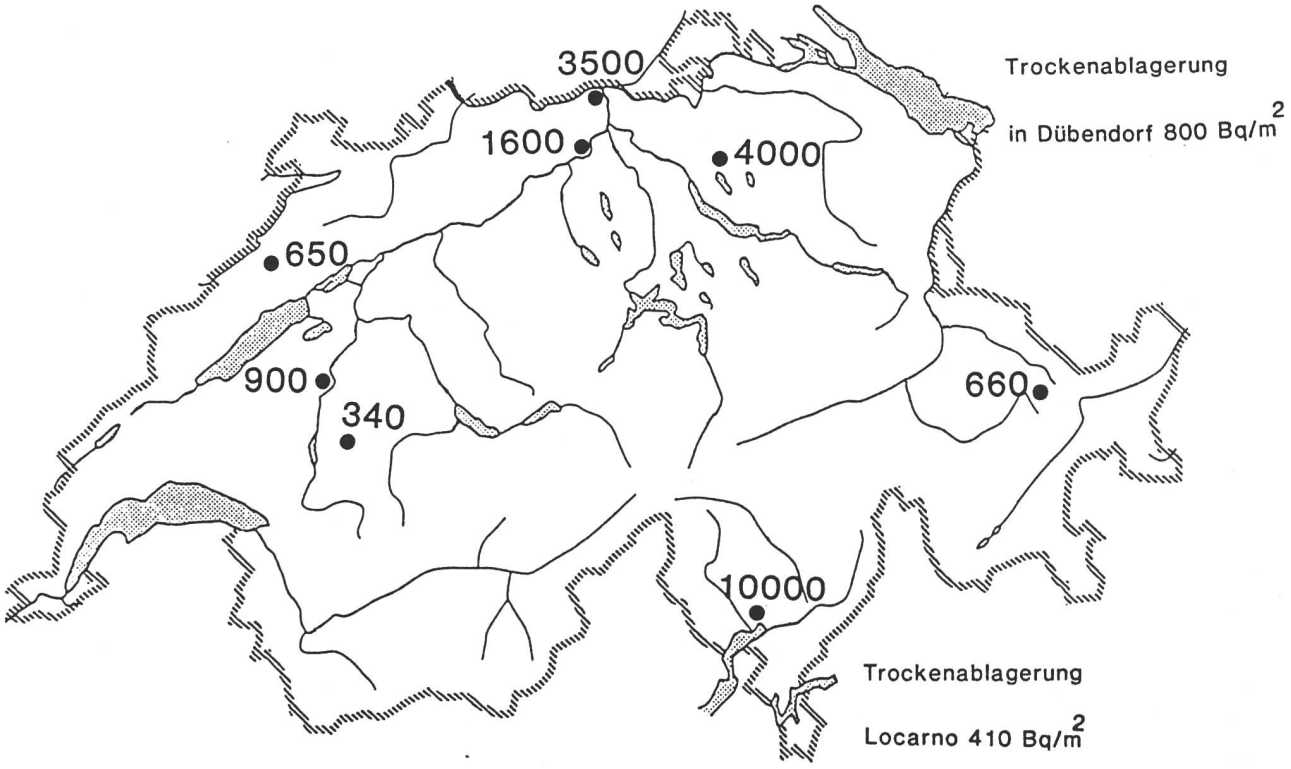



Fig. 5.8.d:
Cs-134 - Ablagerung via Niederschläge in $Bq/m^2$ (25.5.-6.6.86)

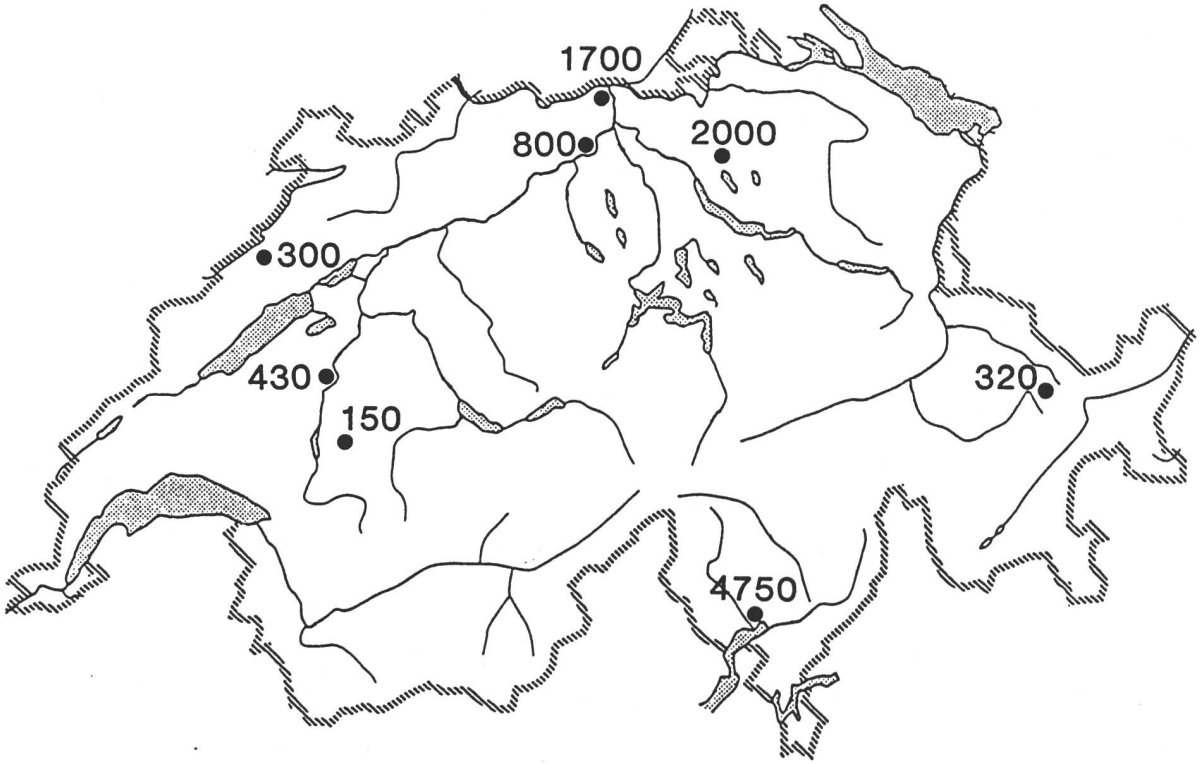


Fig. 5.9.a:

Max. Ortsdosen in der Schweiz (30.4.-10.5.1986) in uS/h

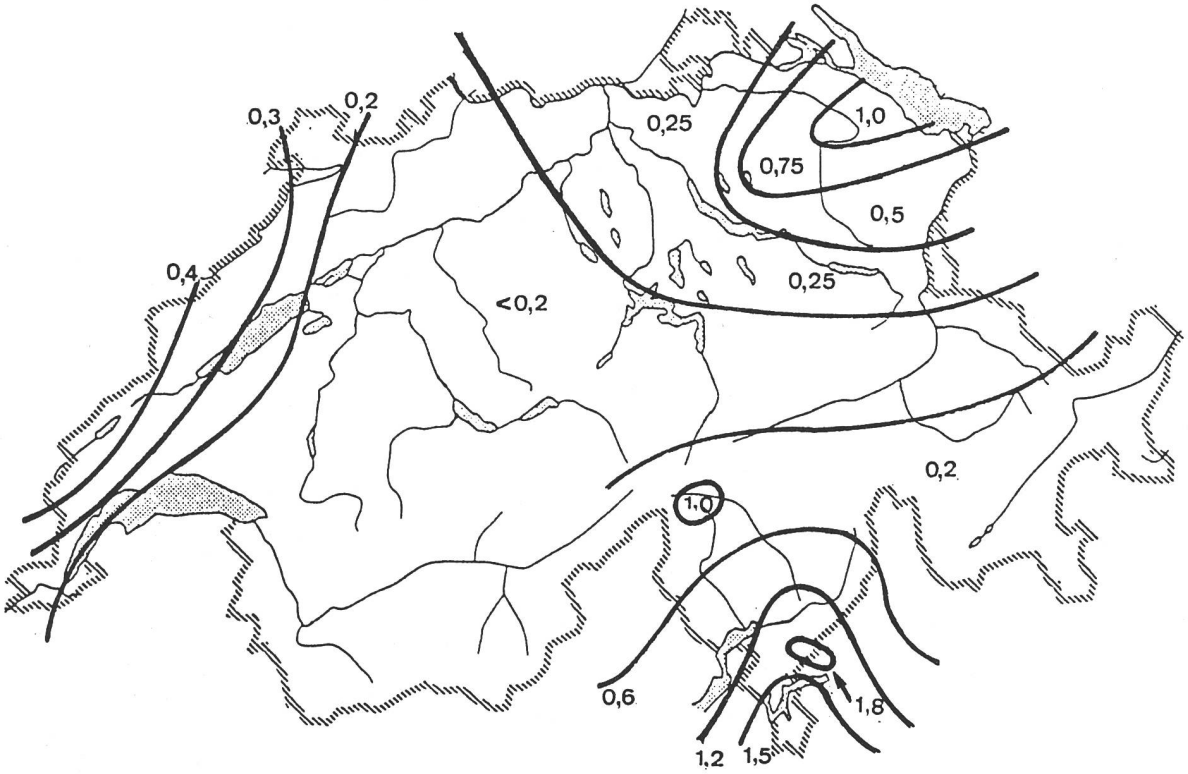
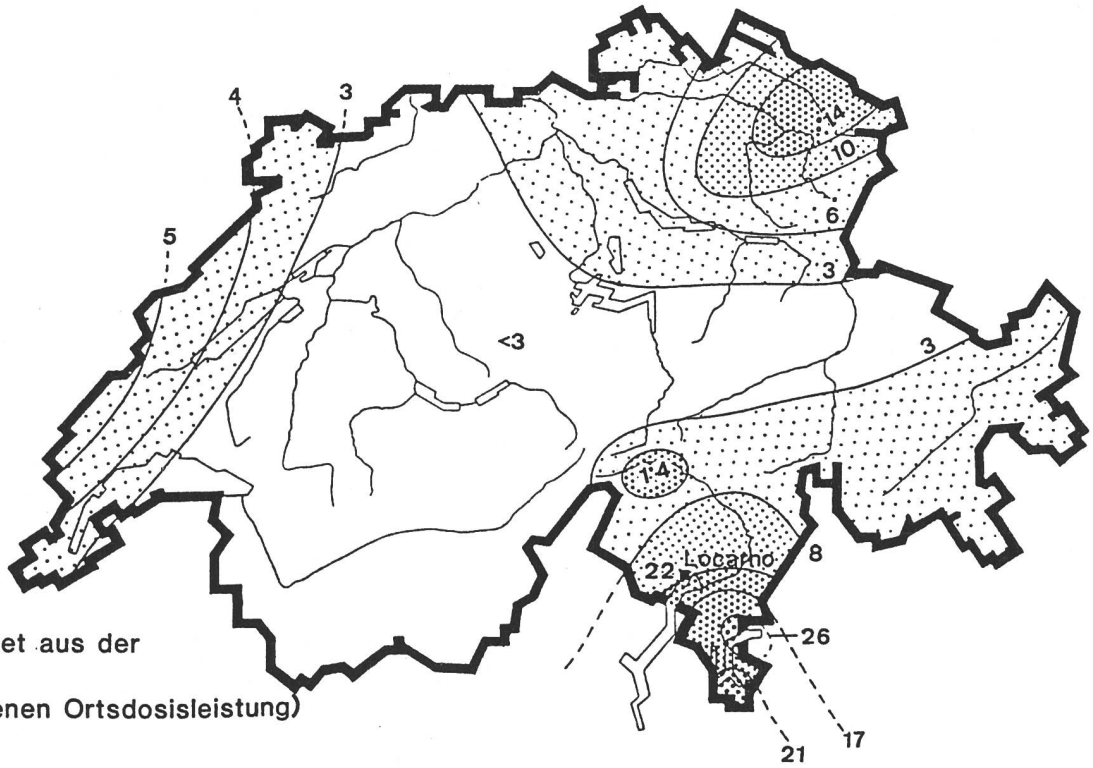



Fig. 5.9.b: Mittlere Cs-137-Ablagerungen in kBq/m$^2$ ( HSK )




(berechnet aus der gemessenen Ortsdosisleistung)

Fig. 5.9.c:

## Ortsdosis in der Schweiz (2.5.1986) in: µSv/h

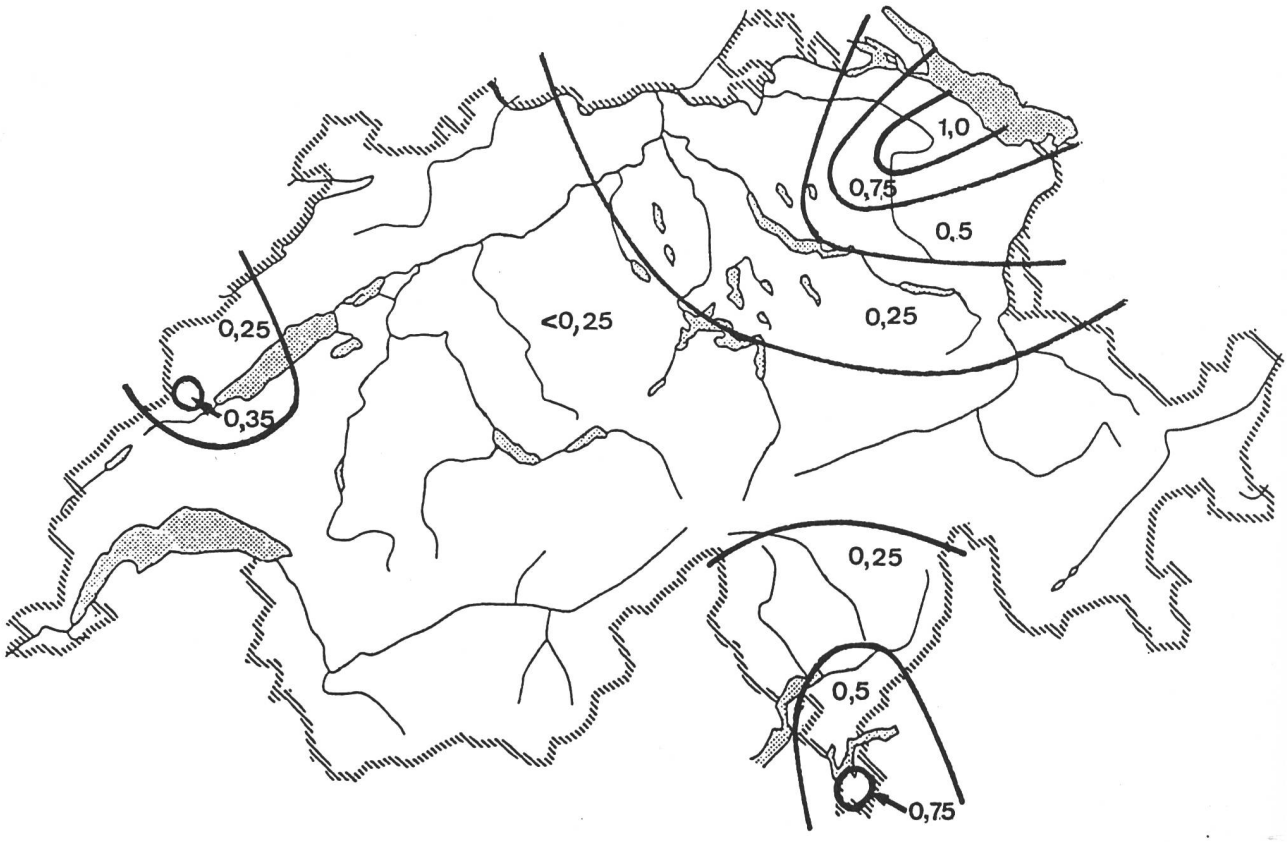



Fig. 5.9.d:

## Ortsdosis in der Schweiz (5.5.1986) in: µSv/h

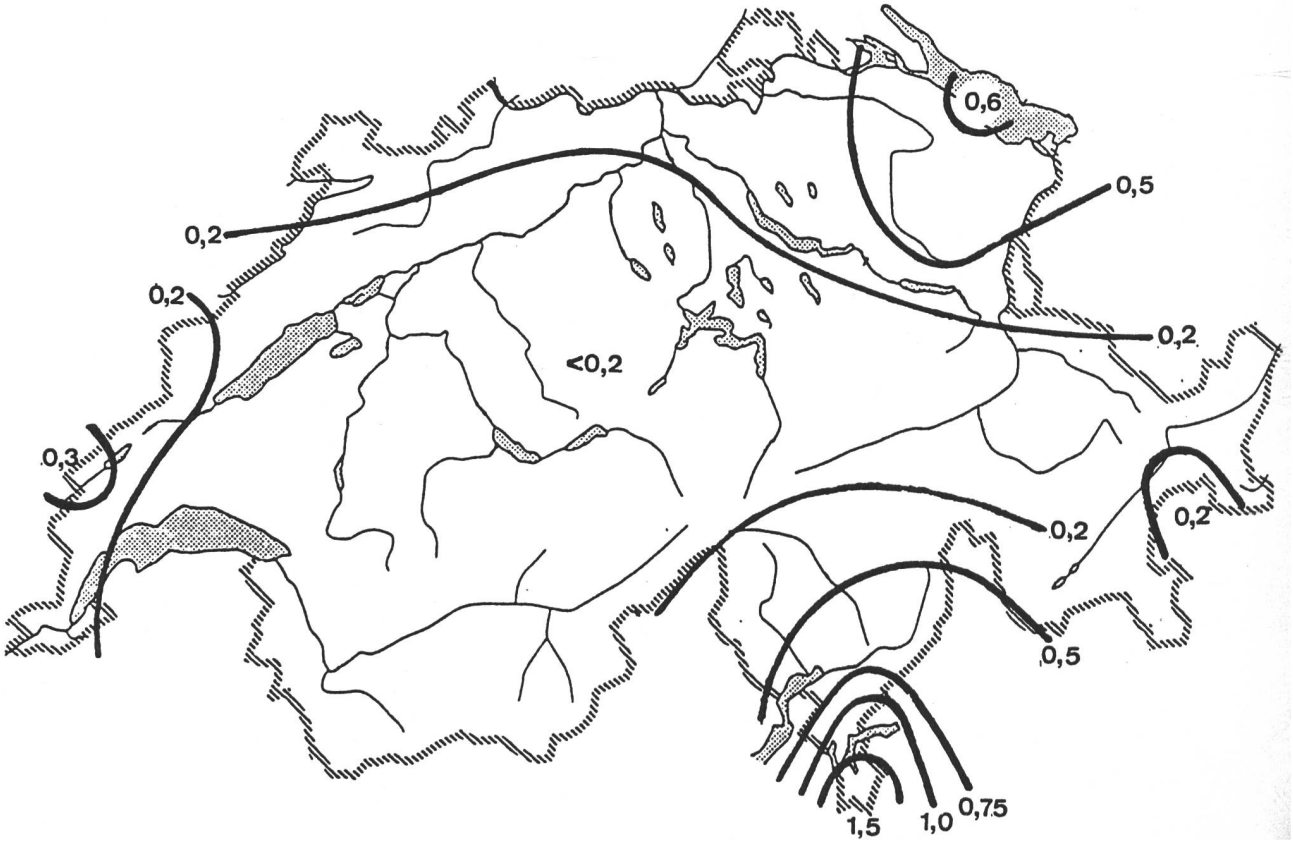


Fig. 5.9.e:

## Ortsdosis in der Schweiz (10.05.1986) in: µSv/h

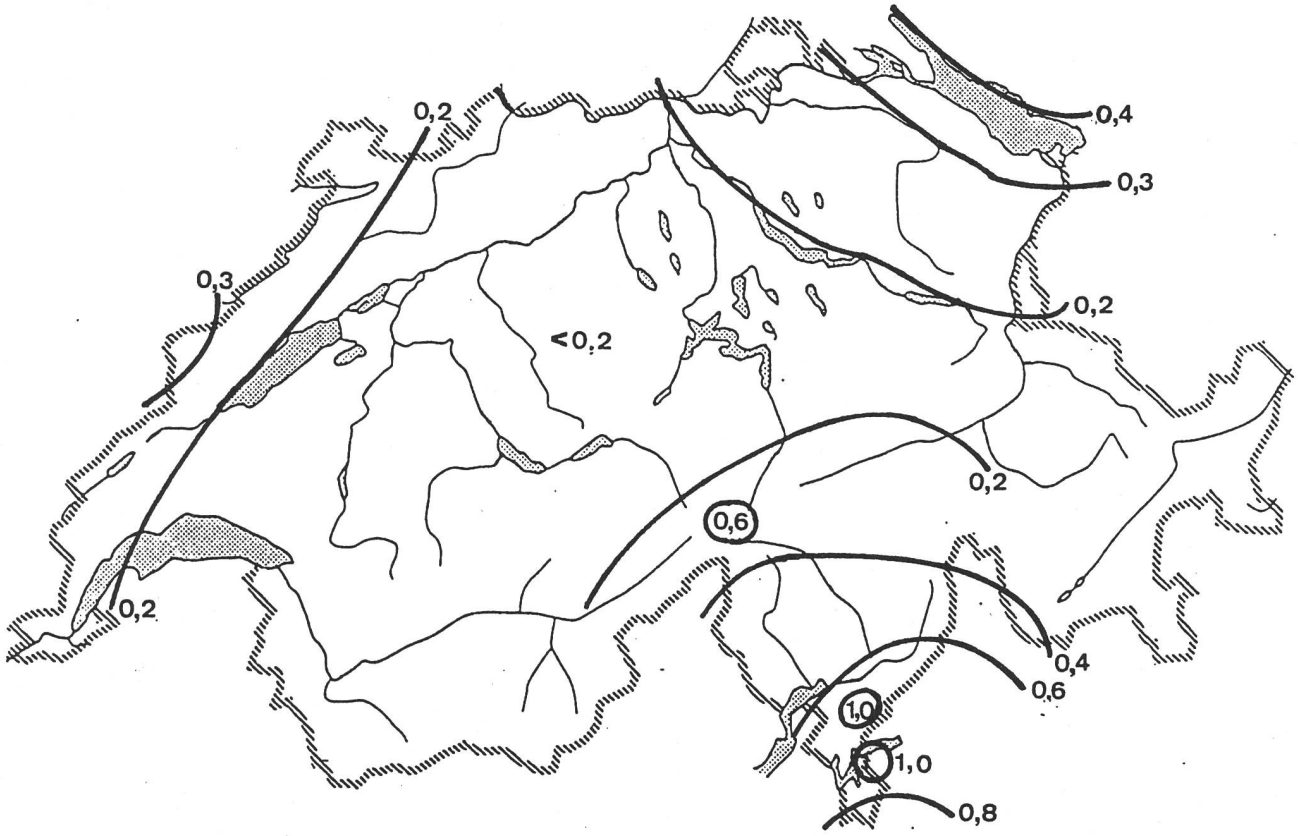



Fig. 5.9.f:

## Ortsdosis in der Schweiz (28.5.1986) in: µSv/h

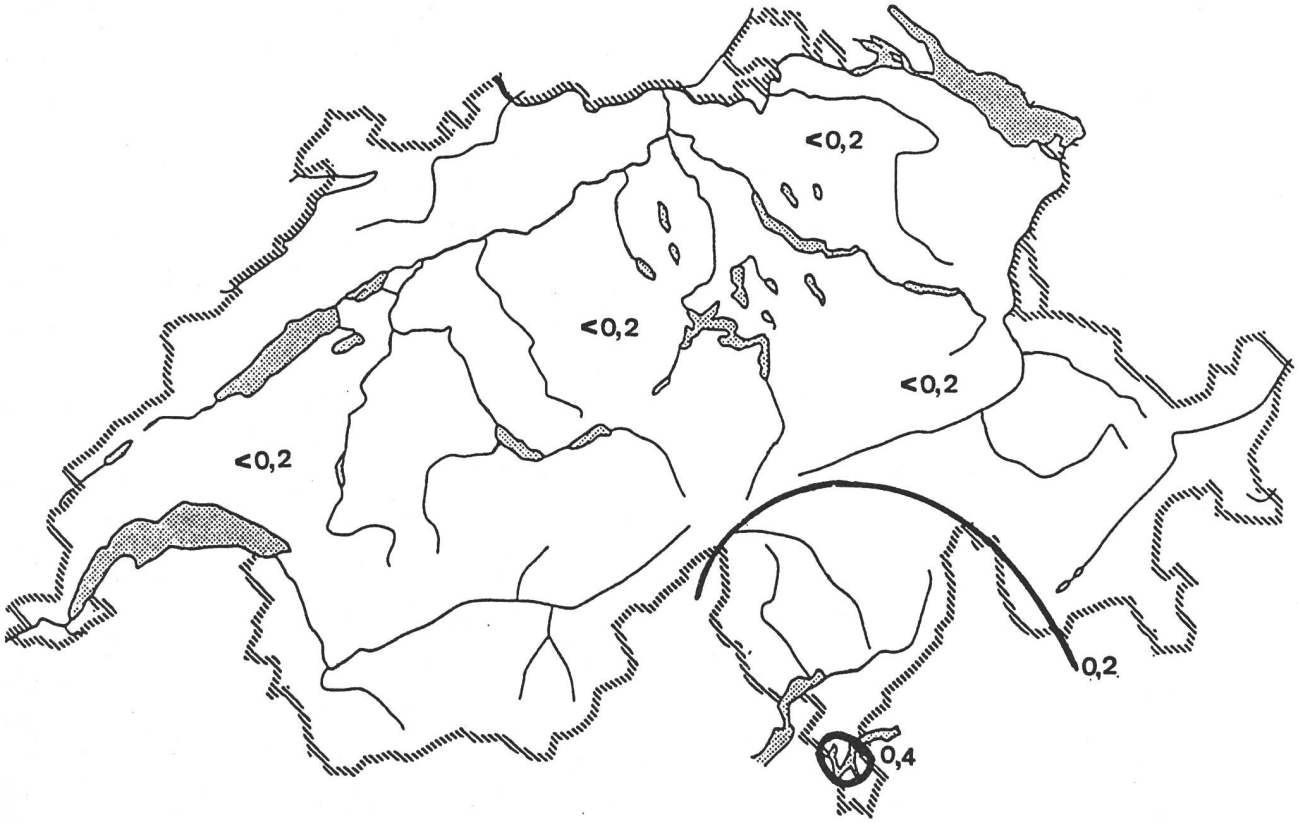


Fig. 5.9.g: Ortsdosis in der Schweiz(3.11.-13.11.1986) in: µSv/h

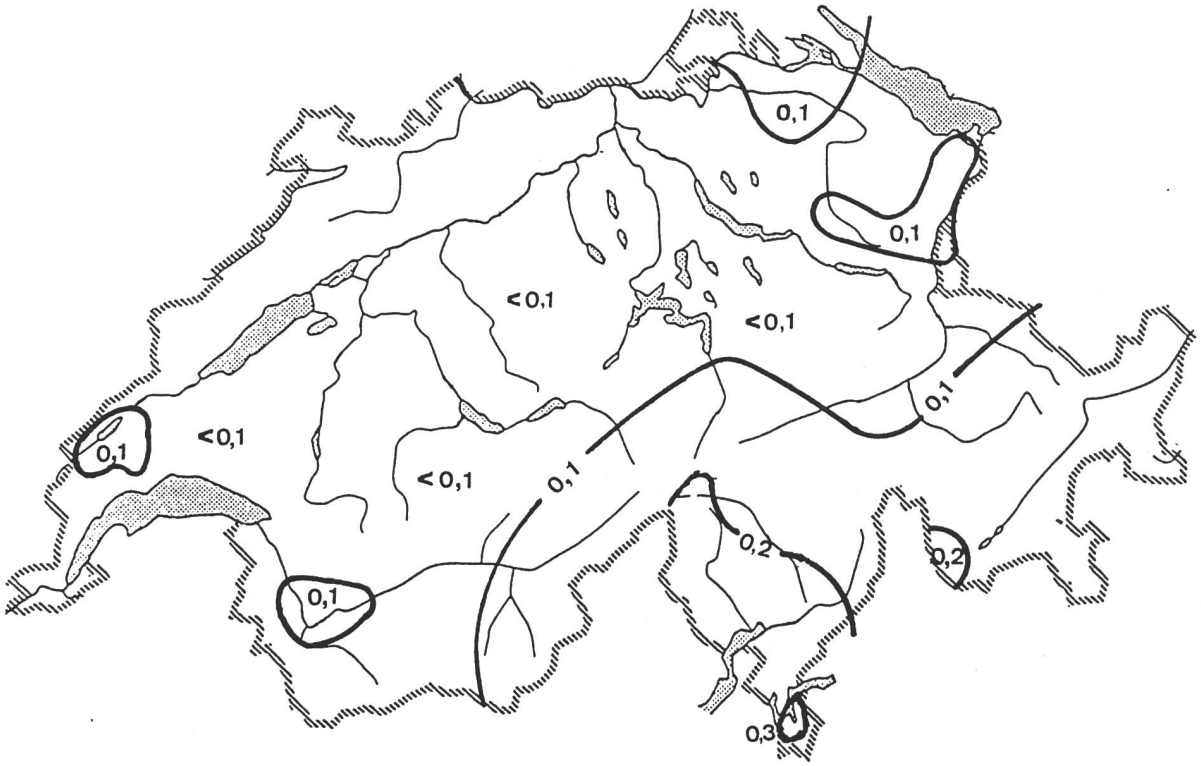
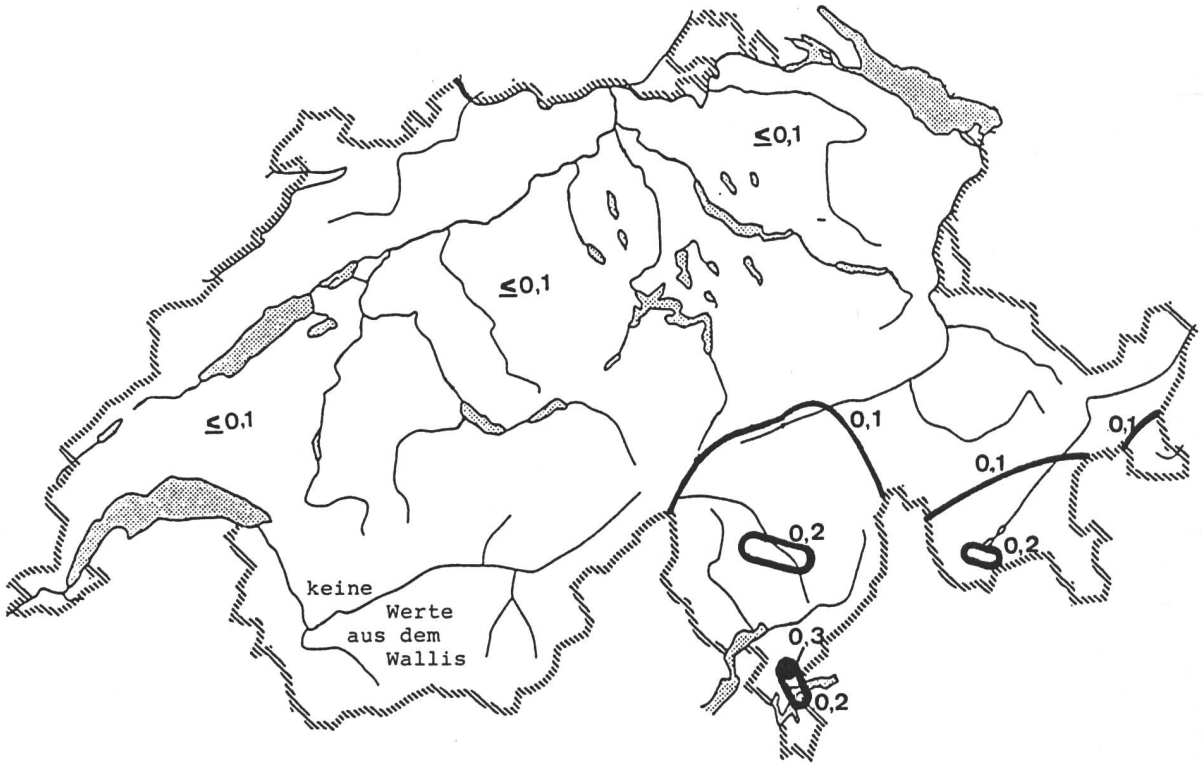



Fig. 5.9.h: Ortsdosis in der Schweiz (Mai 1987) in: µSv/h



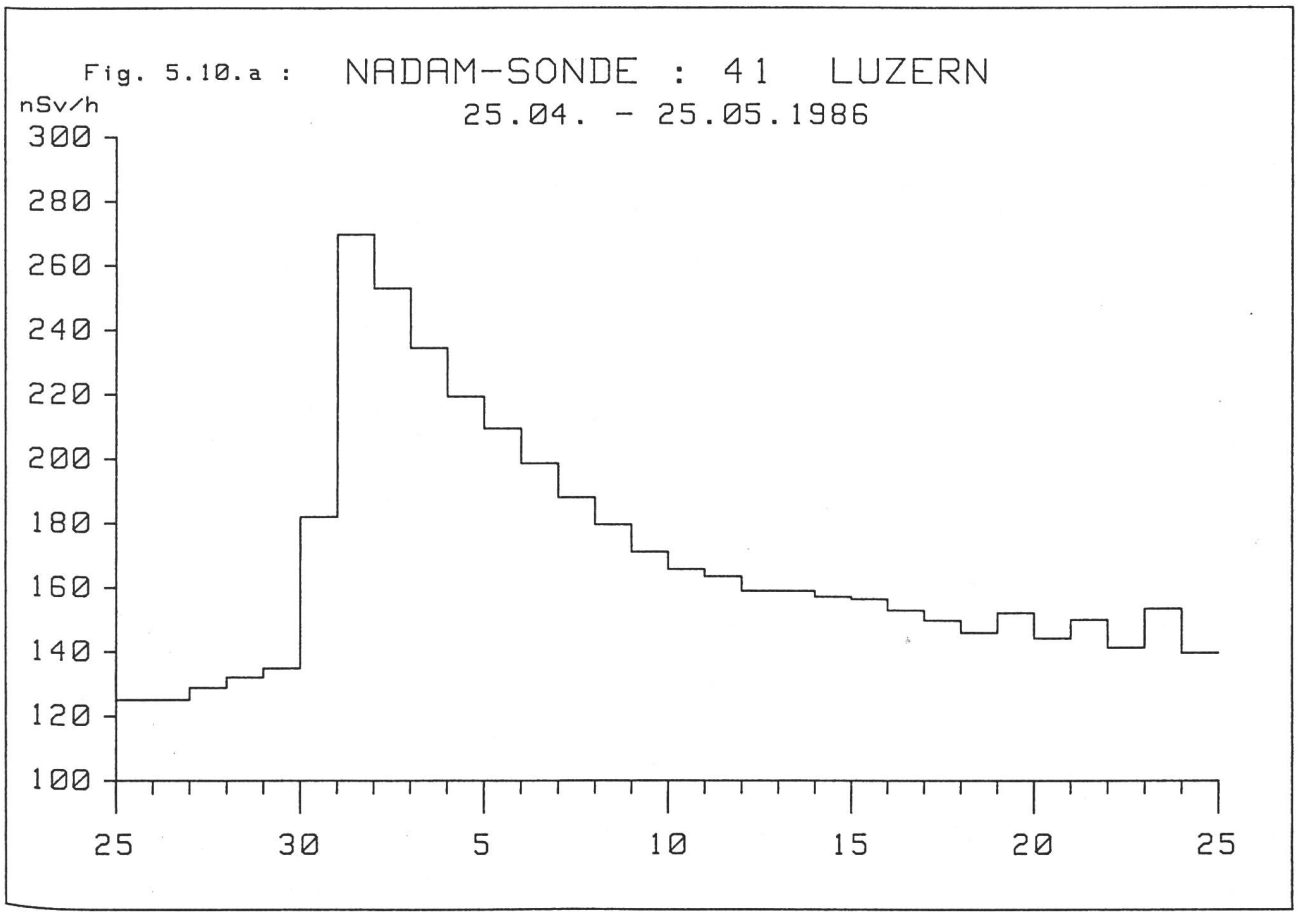


Fig. 5.10.a : NADAM-SONDE : 41 LUZERN
25.04. - 25.05.1986
nSv/h
300
280
260
240
220
200
180
160
140
120
100
25
30
5
10
15
20
25

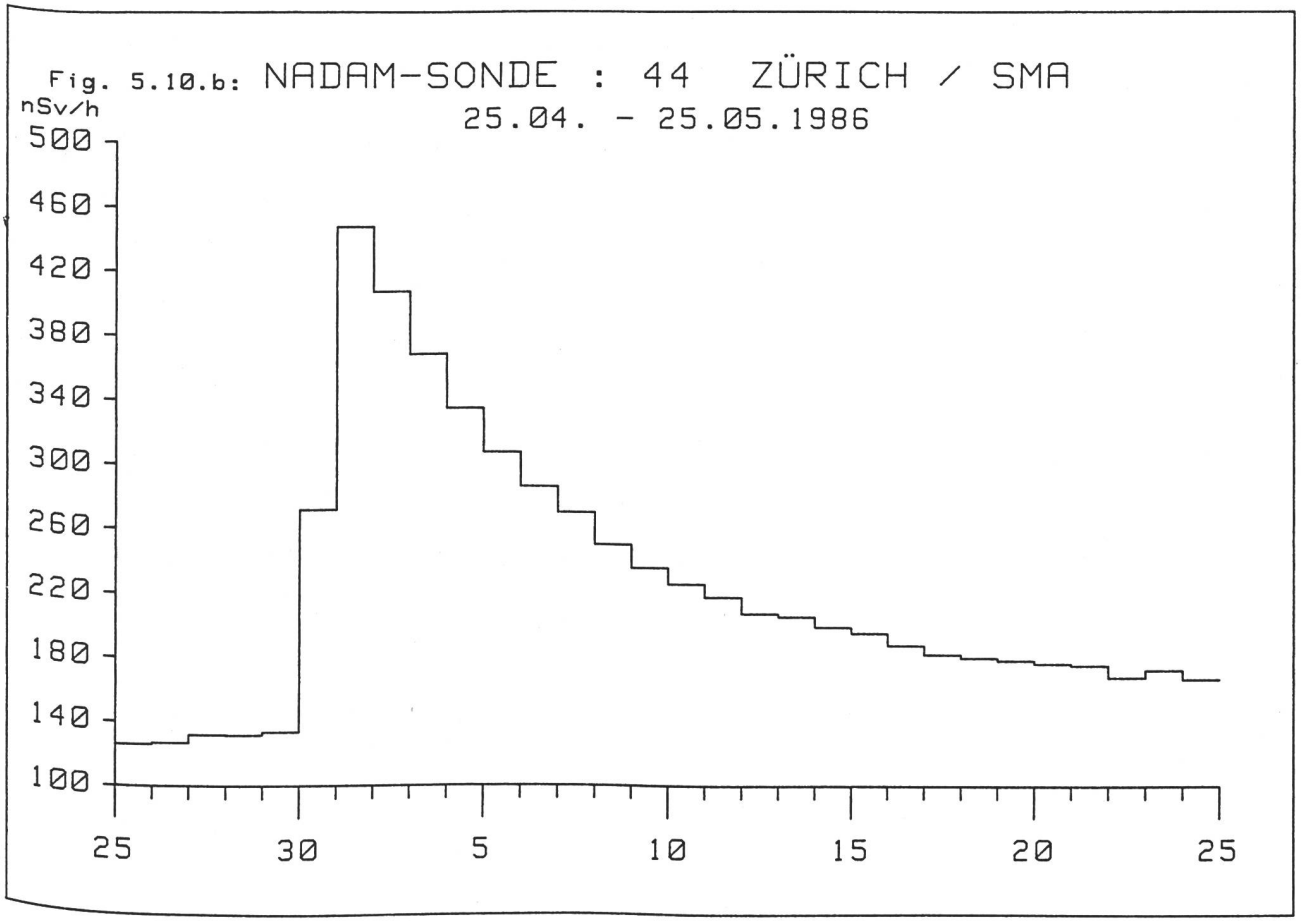


Fig. 5.10.b: NADAM-SONDE : 44 ZÜRICH / SMA
25.04. - 25.05.1986
nSv/h
500
460
420
380
340
300
260
220
180
140
100
25
30
5
10
15
20
25

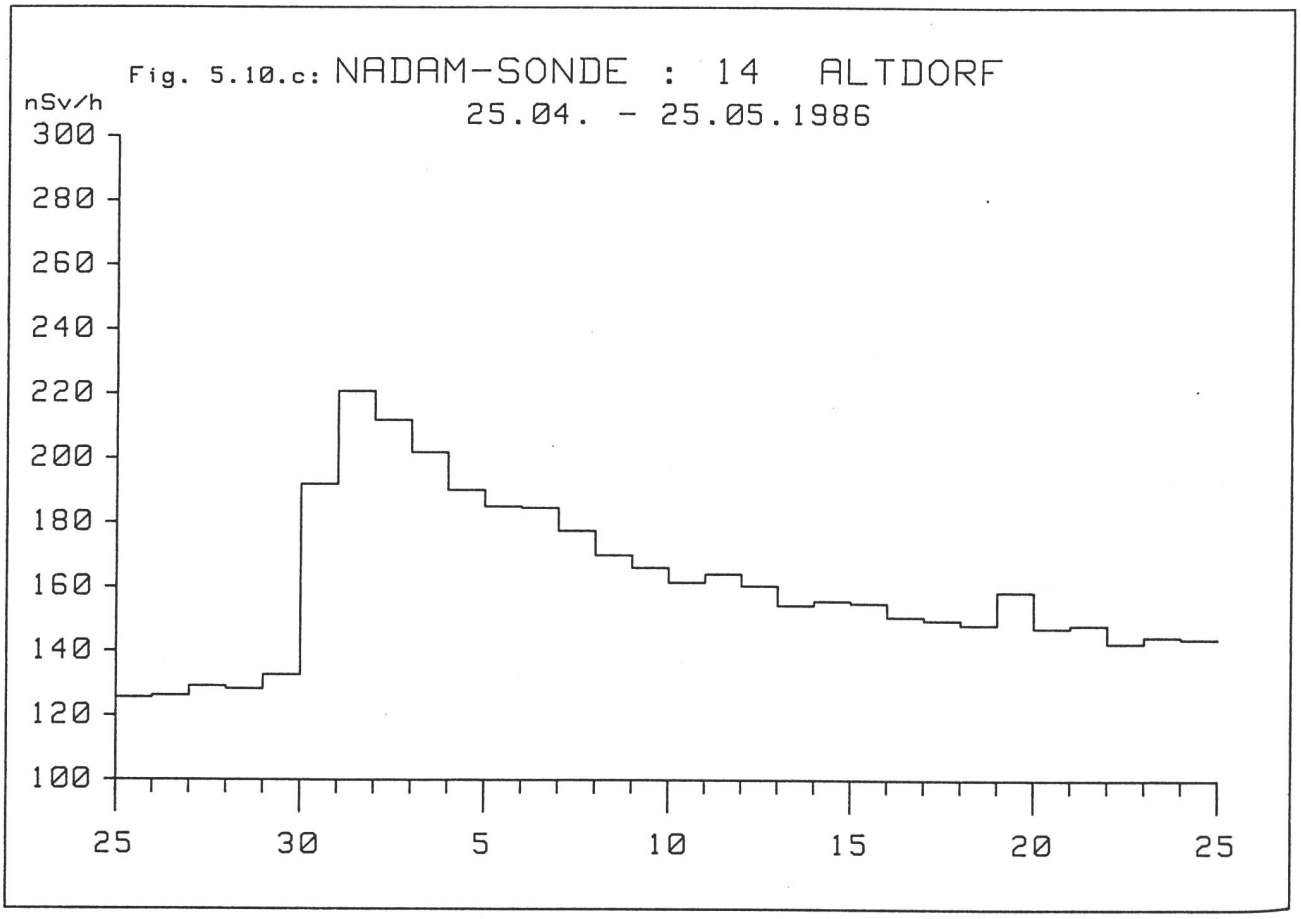


Fig. 5.10.c: NADAM-SONDE : 14 ALTDORF
25.04. - 25.05.1986
nSv/h
300
280
260
240
220
200
180
160
140
120
100
25
30
5
10
15
20
25

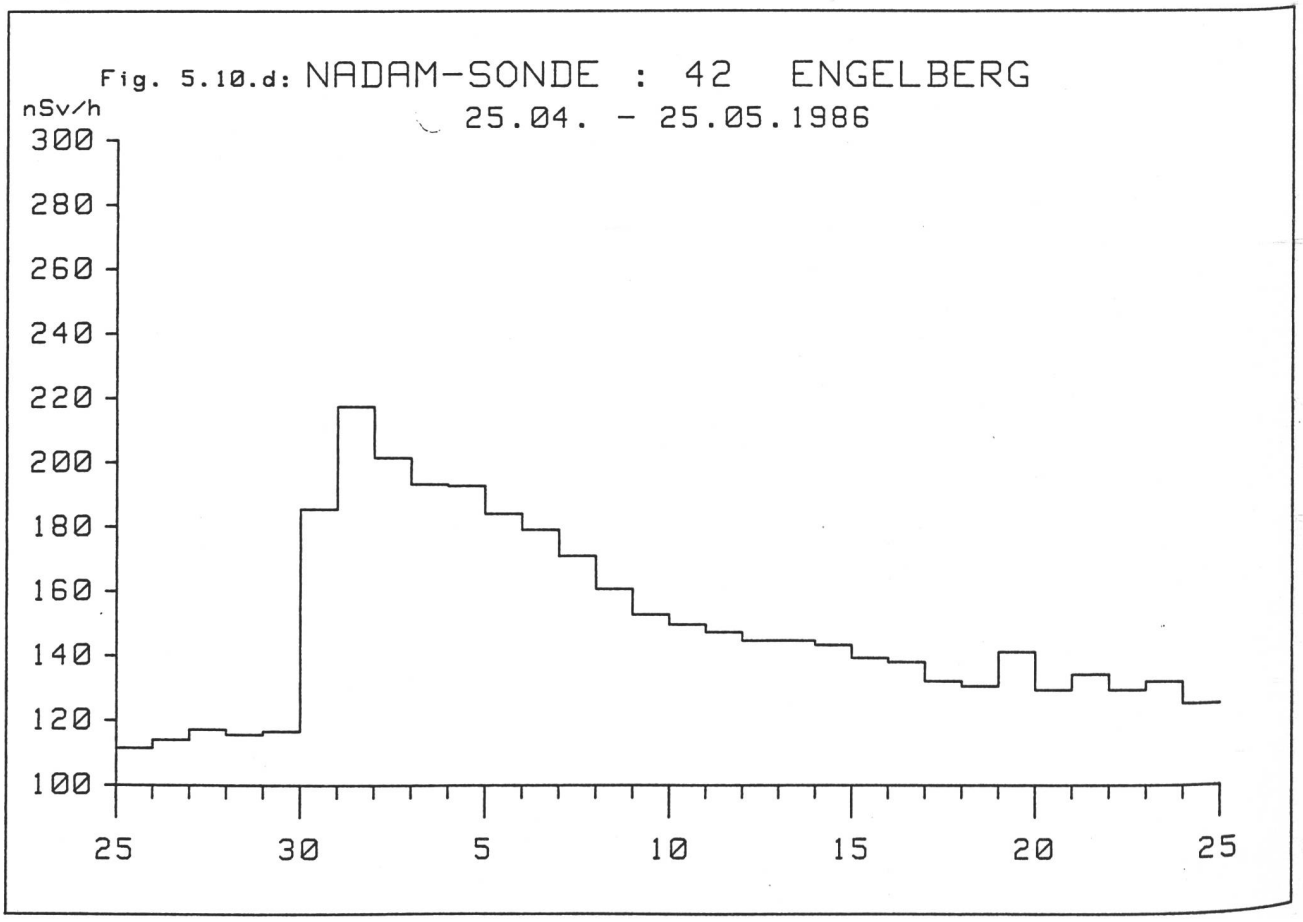


Fig. 5.10.d: NADAM-SONDE : 42 ENGELBERG
25.04. - 25.05.1986
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260
240
220
200
180
160
140
120
100
25
30
5
10
15
20
25

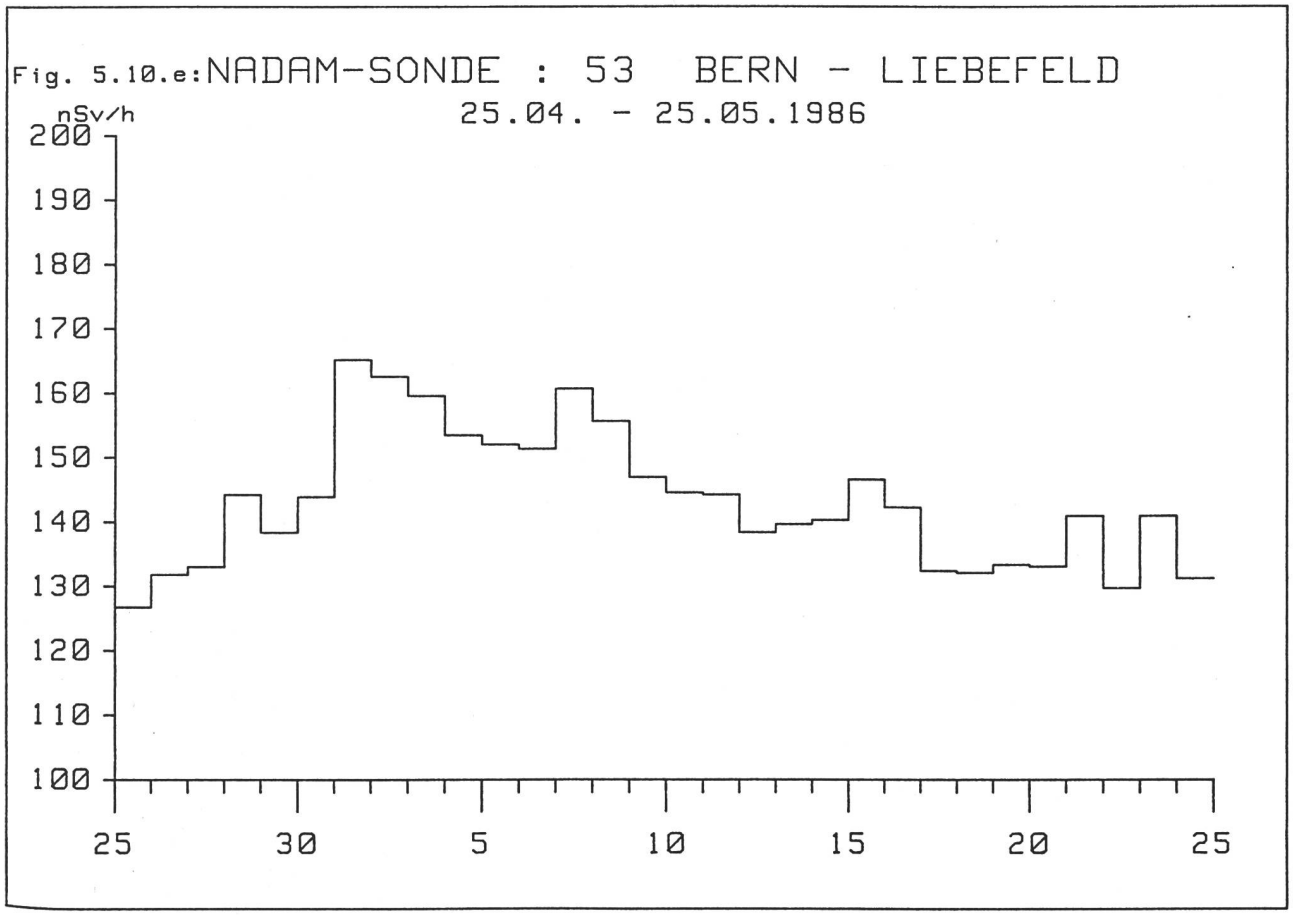


Fig. 5.10.e: NADAM-SONDE : 53 BERN - LIEBEFELD
25.04. - 25.05.1986
nSv/h
200
190
180
170
160
150
140
130
120
110
100
25
30
5
10
15
20
25

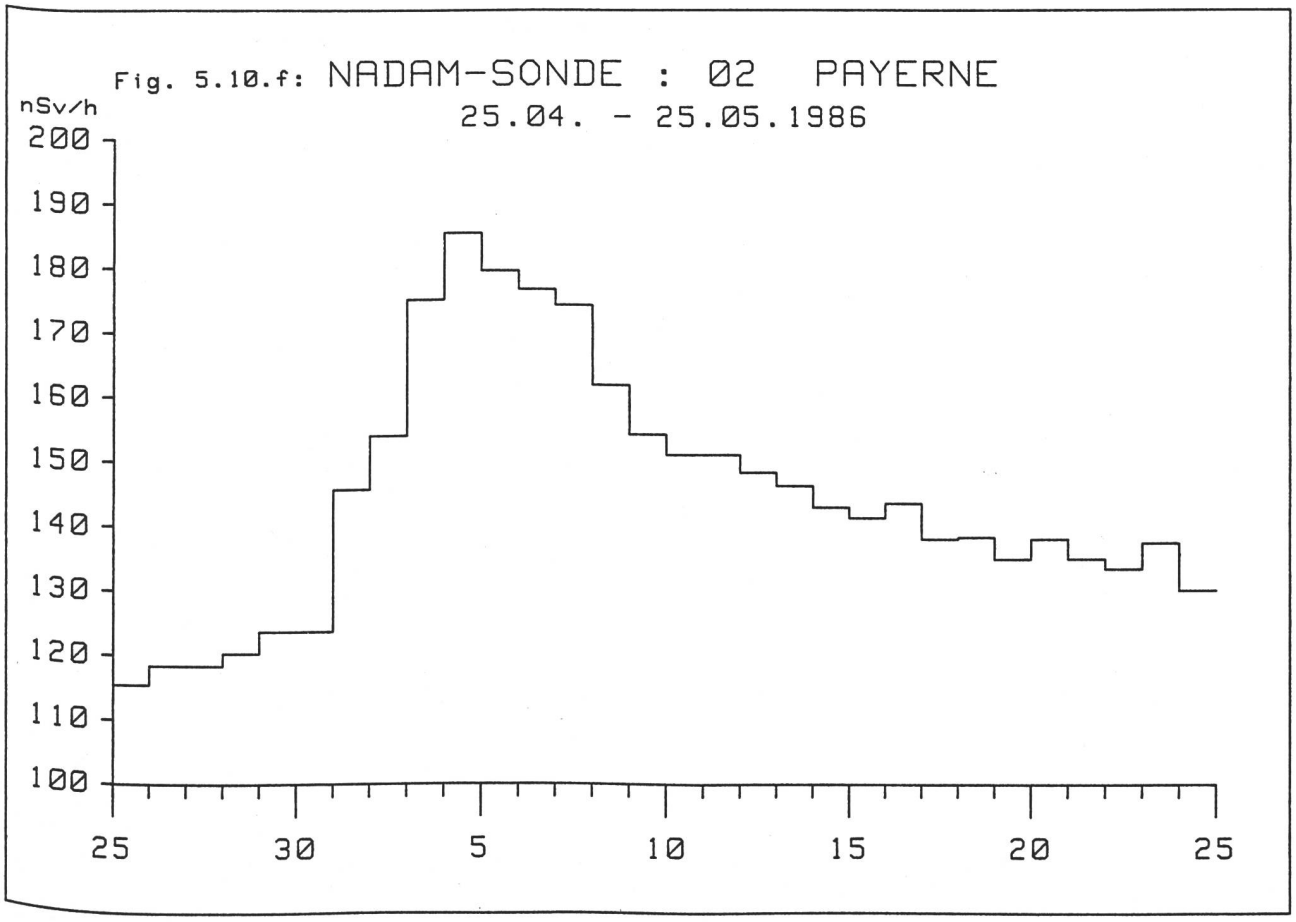


Fig. 5.10.f: NADAM-SONDE : 02 PAYERNE
25.04. - 25.05.1986
nSv/h
200
190
180
170
160
150
140
130
120
110
100
25
30
5
10
15
20
25

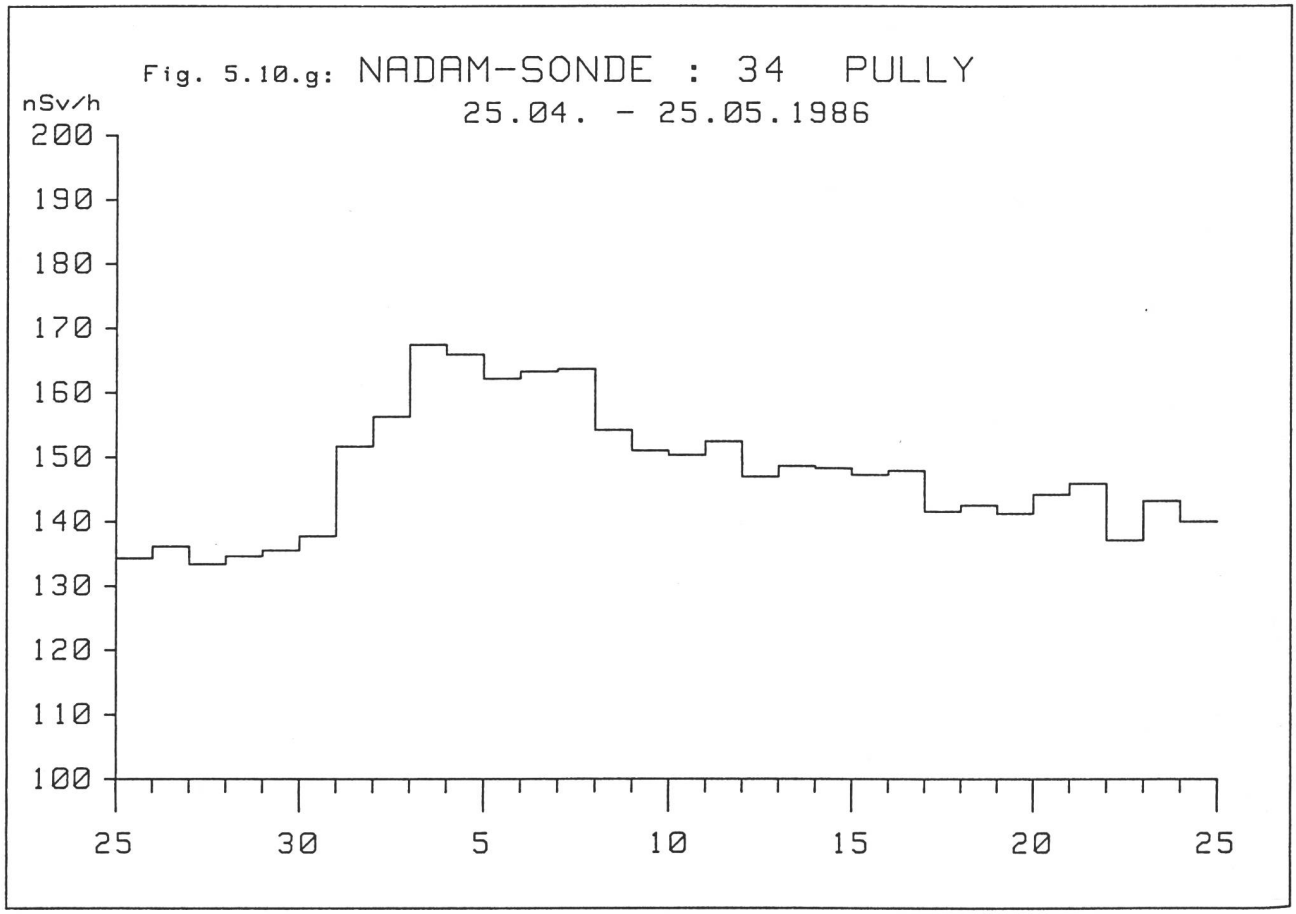


Fig. 5.10.g: NADAM-SONDE : 34 PULLY
25.04. - 25.05.1986
nSv/h
200
190
180
170
160
150
140
130
120
110
100
25
30
5
10
15
20
25

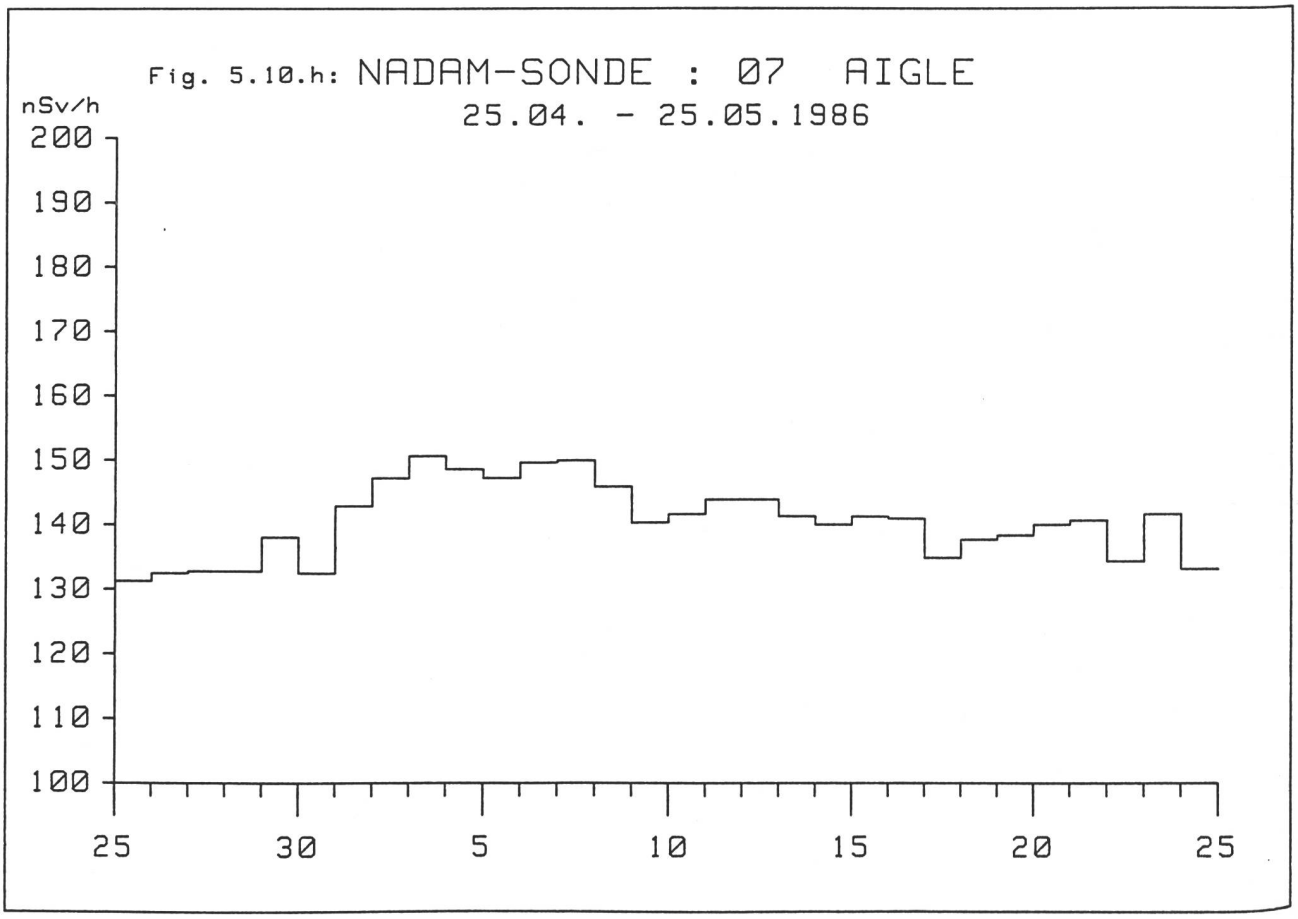


Fig. 5.10.h: NADAM-SONDE : 07 AIGLE
25.04. - 25.05.1986
nSv/h
200
190
180
170
160
150
140
130
120
110
100
25
30
5
10
15
20
25

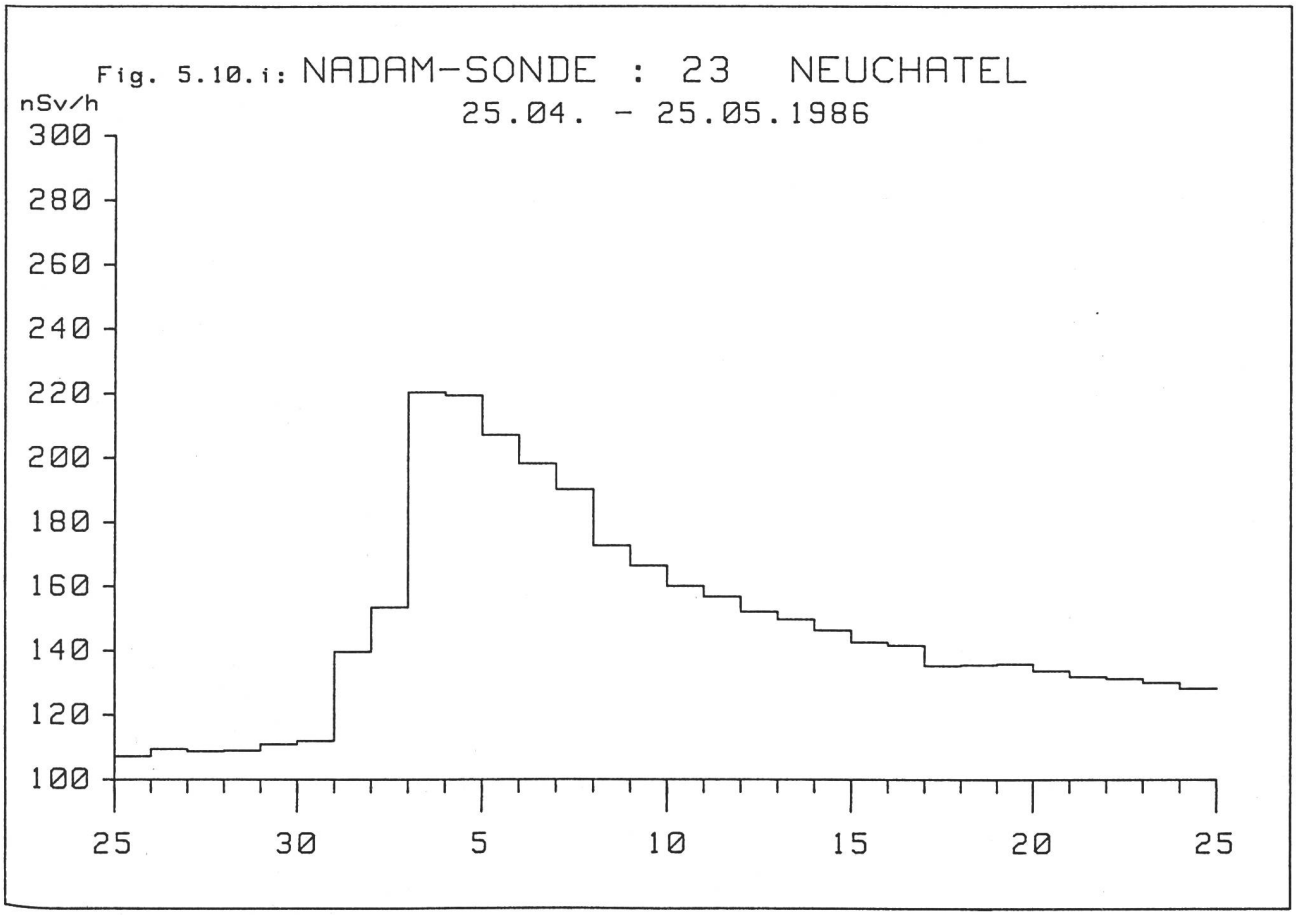


Fig. 5.10.i: NADAM-SONDE : 23 NEUCHATEL
25.04. - 25.05.1986
nSv/h
300
280
260
240
220
200
180
160
140
120
100
25
30
5
10
15
20
25

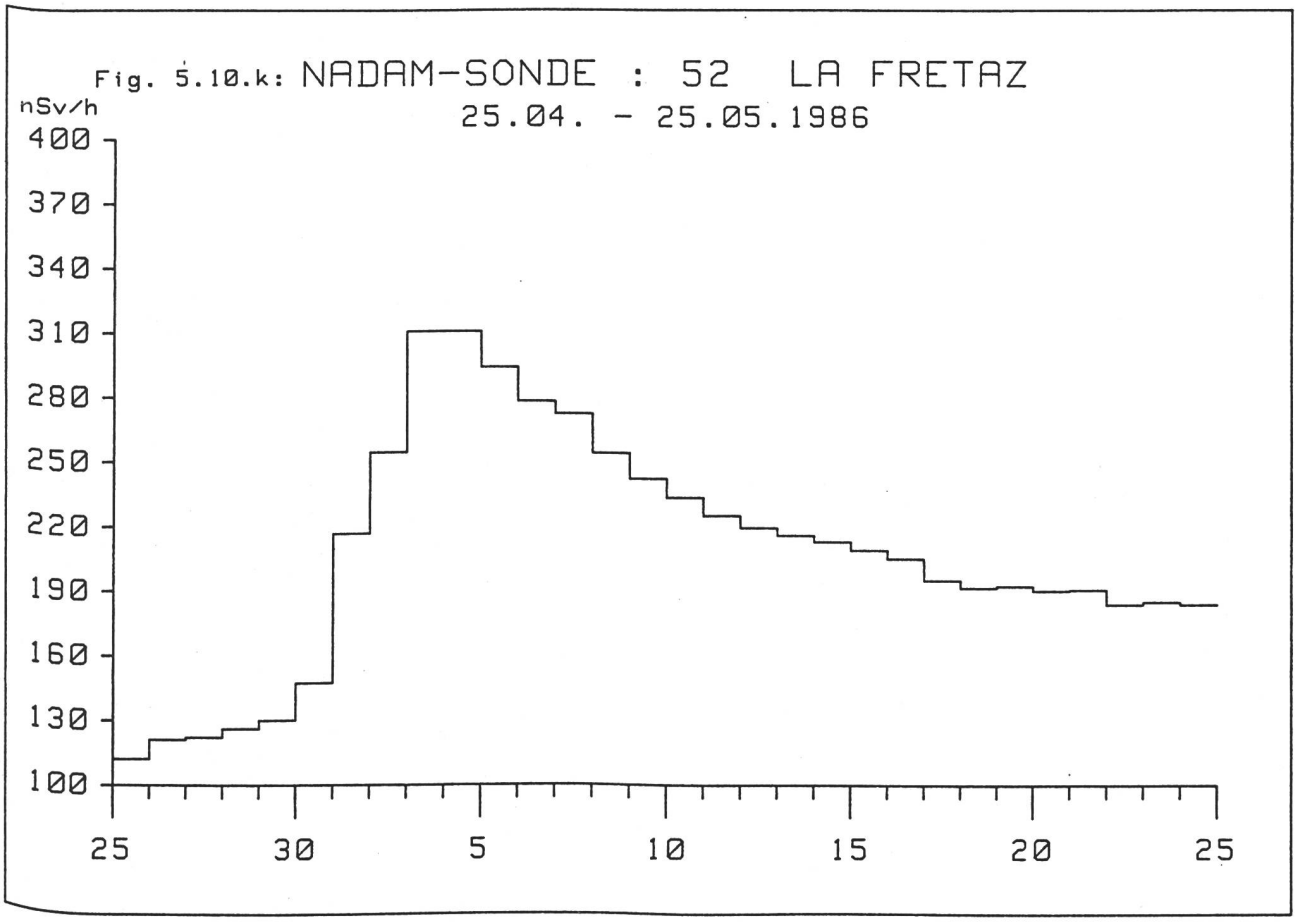


Fig. 5.10.k: NADAM-SONDE : 52 LA FRETAZ
25.04. - 25.05.1986
nSv/h
400
370
340
310
280
250
220
190
160
130
100
25
30
5
10
15
20
25

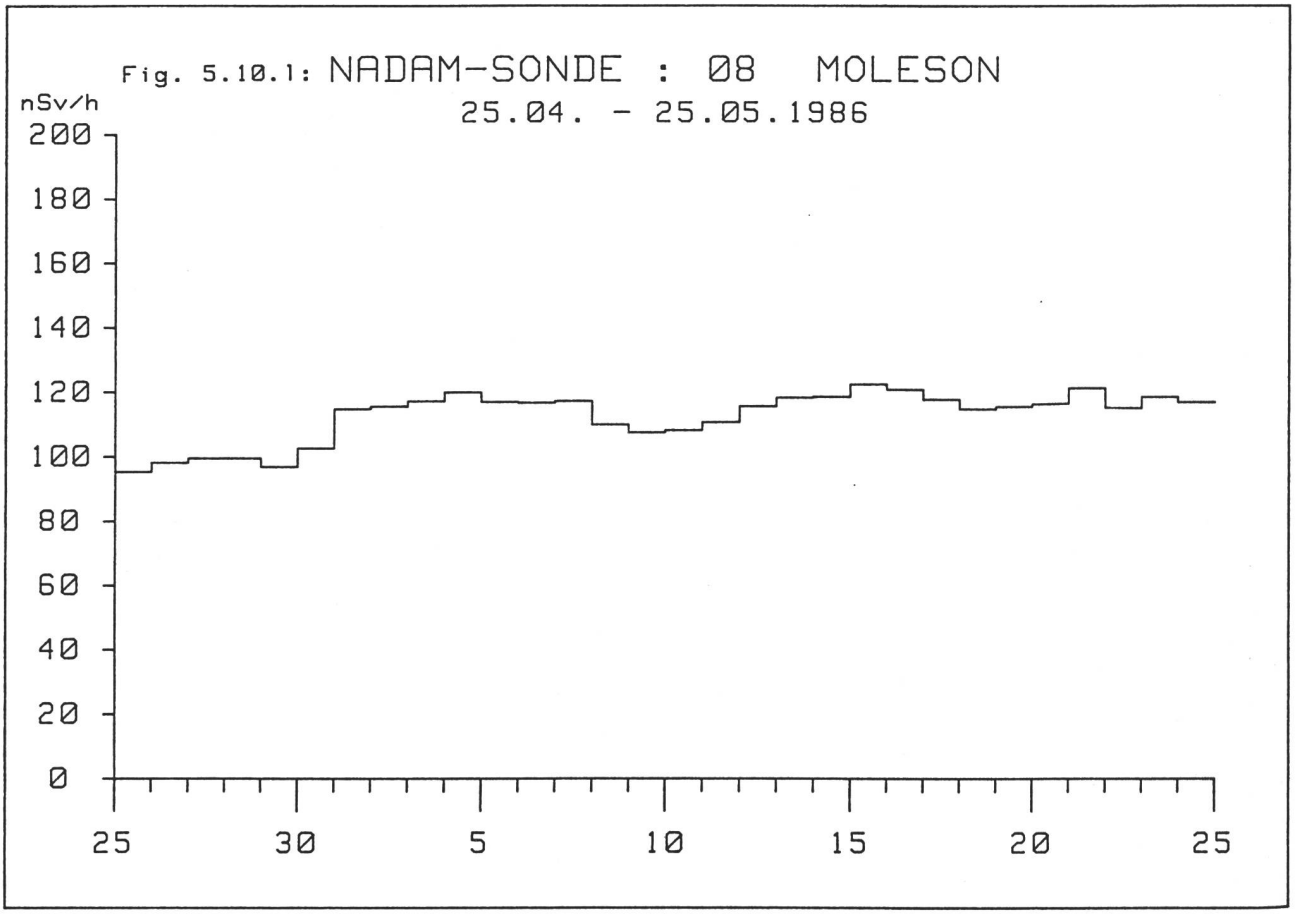


Fig. 5.10.1: NADAM-SONDE : 08 MOLESON
25.04. - 25.05.1986
nSv/h
200
180
160
140
120
100
80
60
40
20
0
25
30
5
10
15
20
25

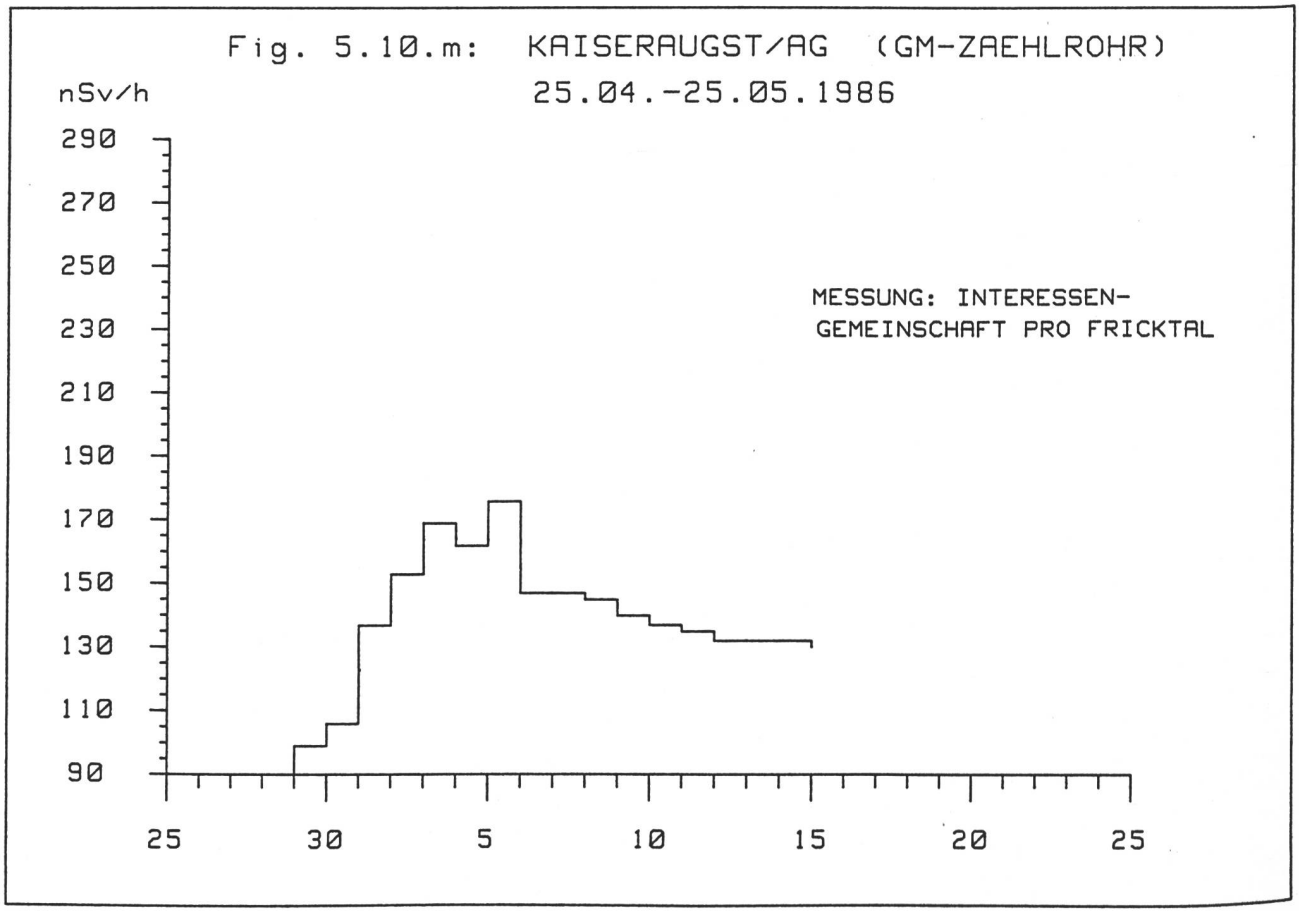


Fig. 5.10.m: KAISERAUGST/AG (GM-ZAEHLROHR)
25.04.-25.05.1986
nSv/h
290
270
250
230
210
190
170
150
130
110
90
MESSUNG: INTERESSEN-
GEMEINSCHAFT PRO FRICKTAL
25
30
5
10
15
20
25

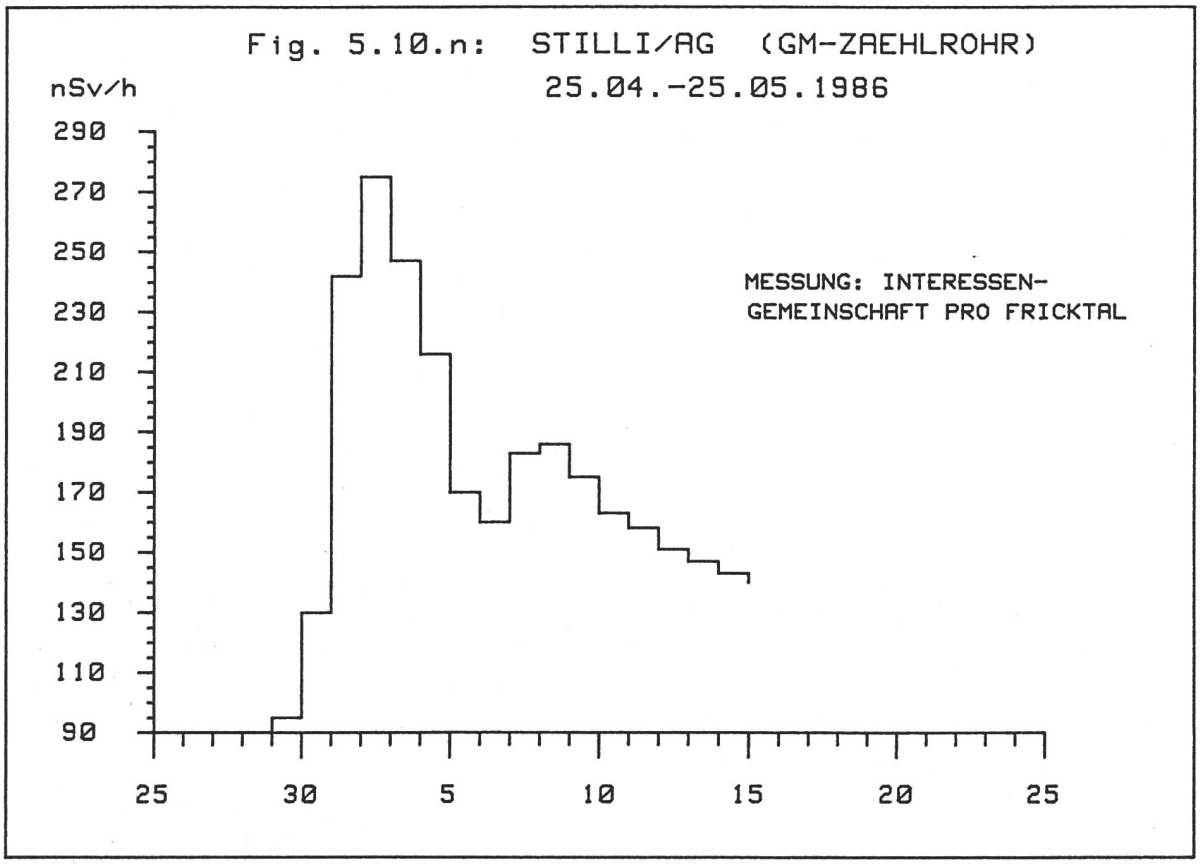


Fig. 5.10.n: STILLI/AG (GM-ZAEHLROHR)
25.04.-25.05.1986
nSv/h
290
270
250
230
210
190
170
150
130
110
90
25
30
5
10
15
20
25
MESSUNG: INTERESSEN-
GEMEINSCHAFT PRO FRICKTAL

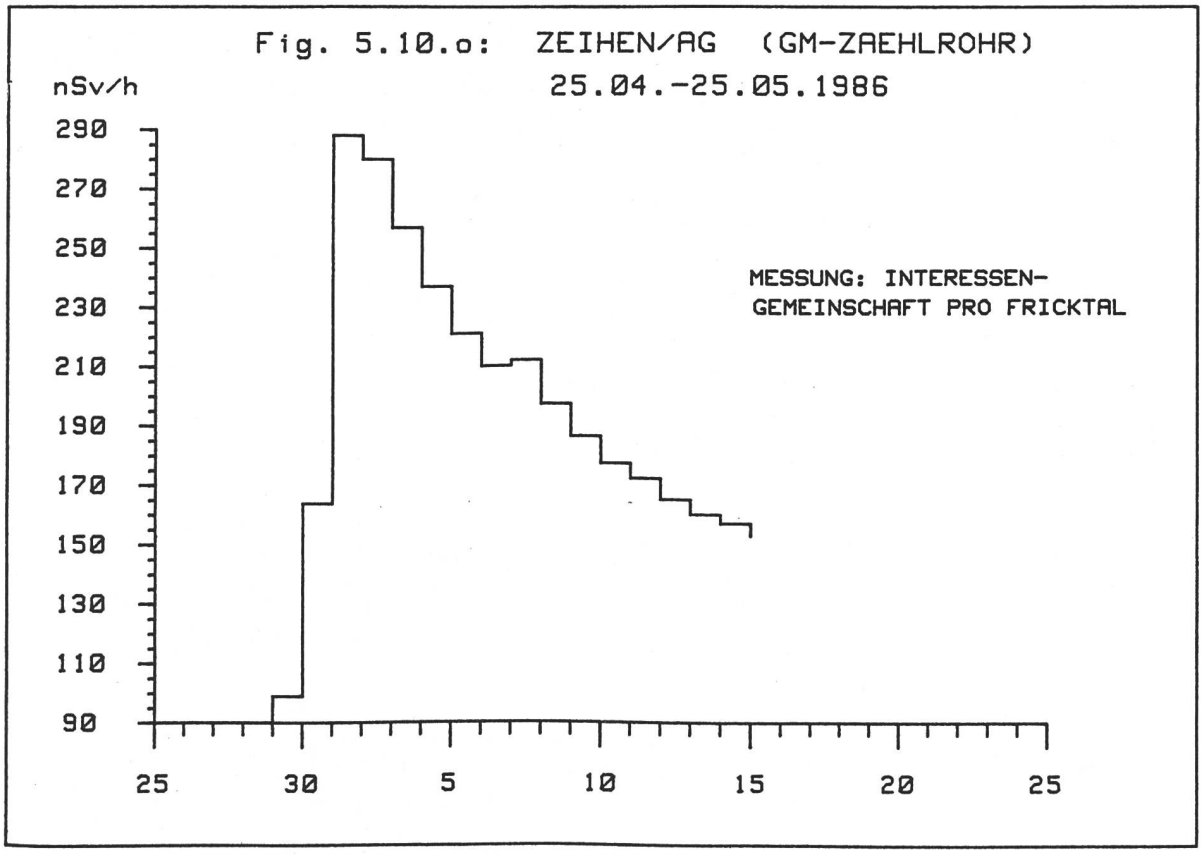


Fig. 5.10.o: ZEIHEN/AG (GM-ZAEHLROHR)
25.04.-25.05.1986
nSv/h
290
270
250
230
210
190
170
150
130
110
90
25
30
5
10
15
20
25
MESSUNG: INTERESSEN-
GEMEINSCHAFT PRO FRICKTAL

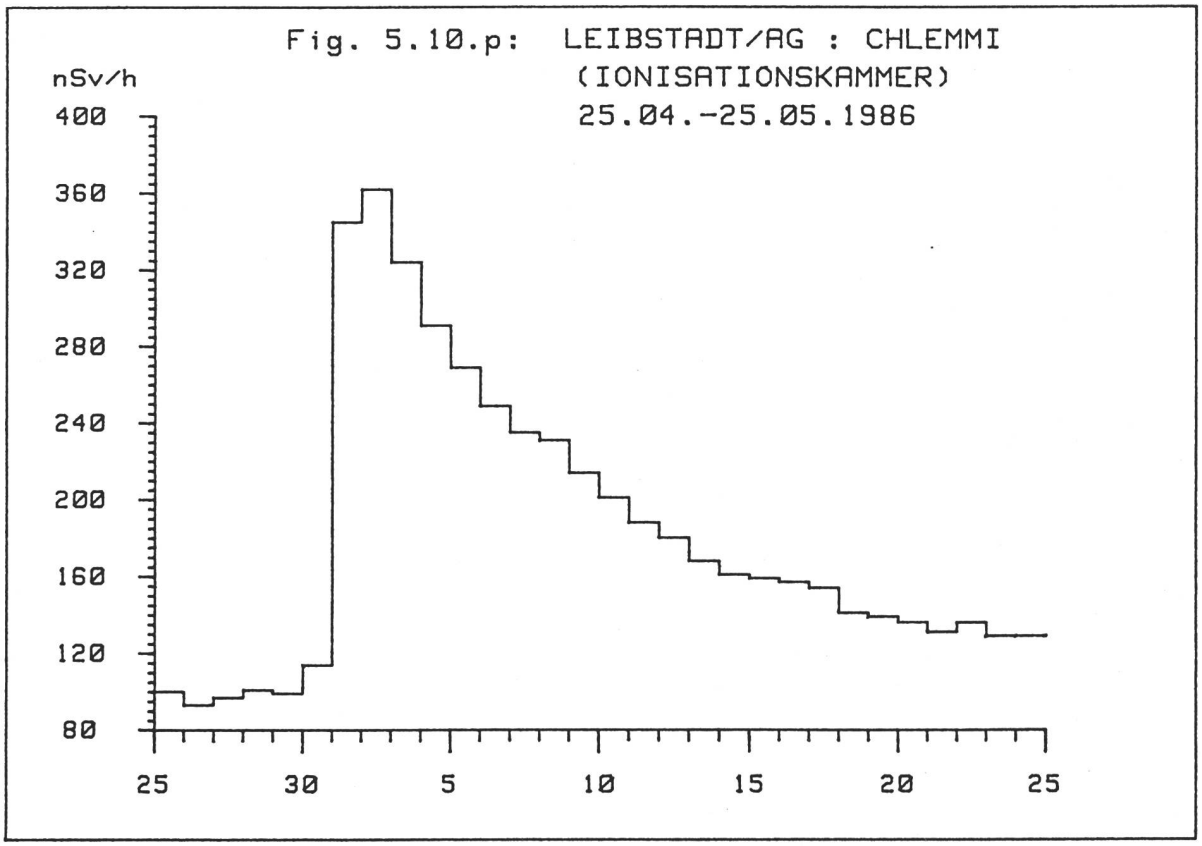



Fig. 5.10.p: LEIBSTADT/AG : CHLEMMI (IONISATIONSKAMMER) 25.04.-25.05.1986

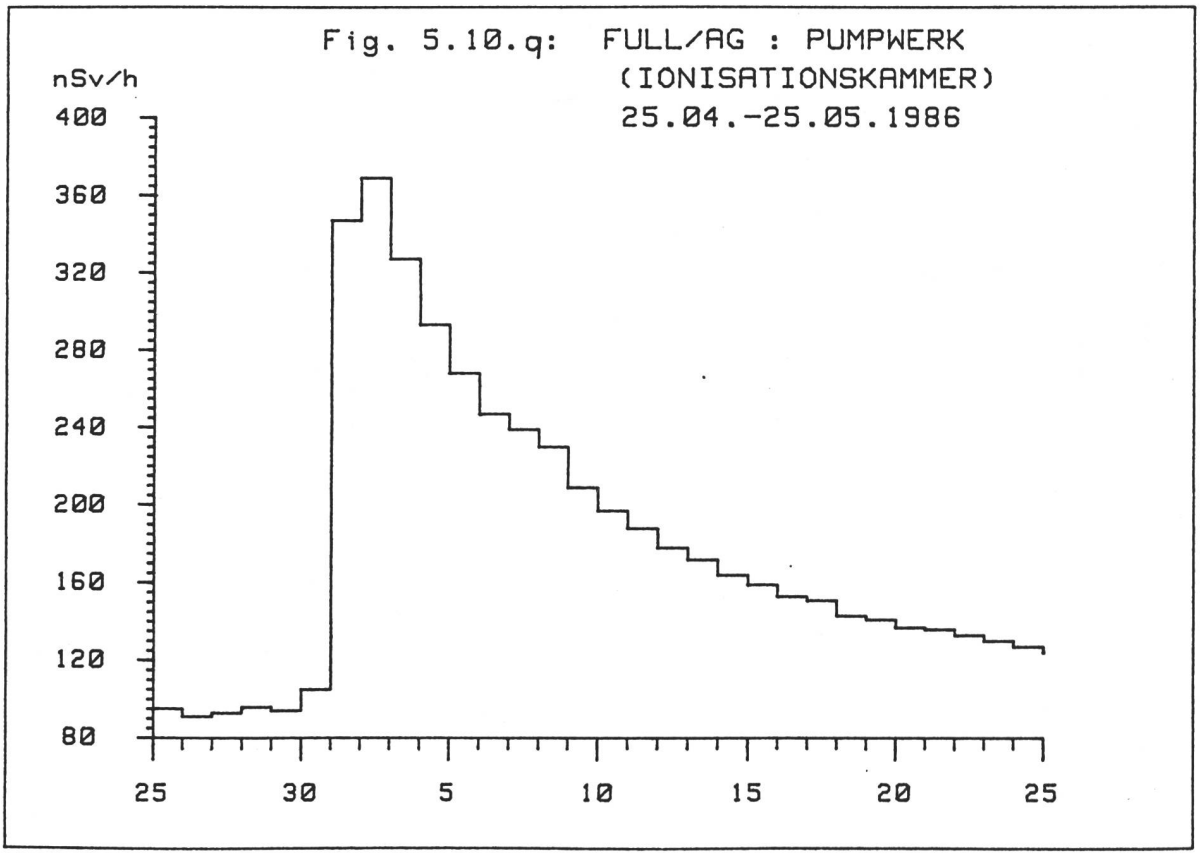



Fig. 5.10.q: FULL/AG : PUMPWERK (IONISATIONSKAMMER) 25.04.-25.05.1986

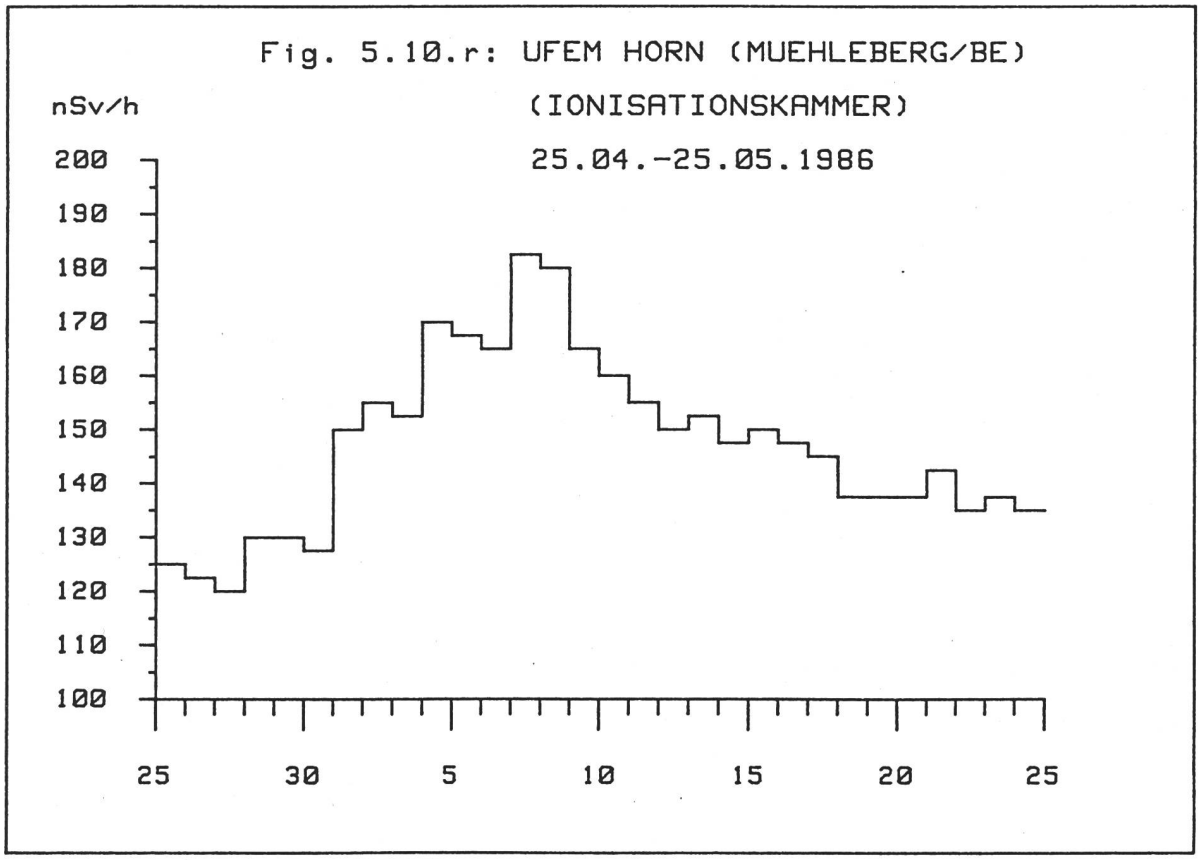



Fig. 5.10.r: UFEM HORN (MUEHLEBERG/BE)
(IONISATIONSKAMMER)
25.04.-25.05.1986

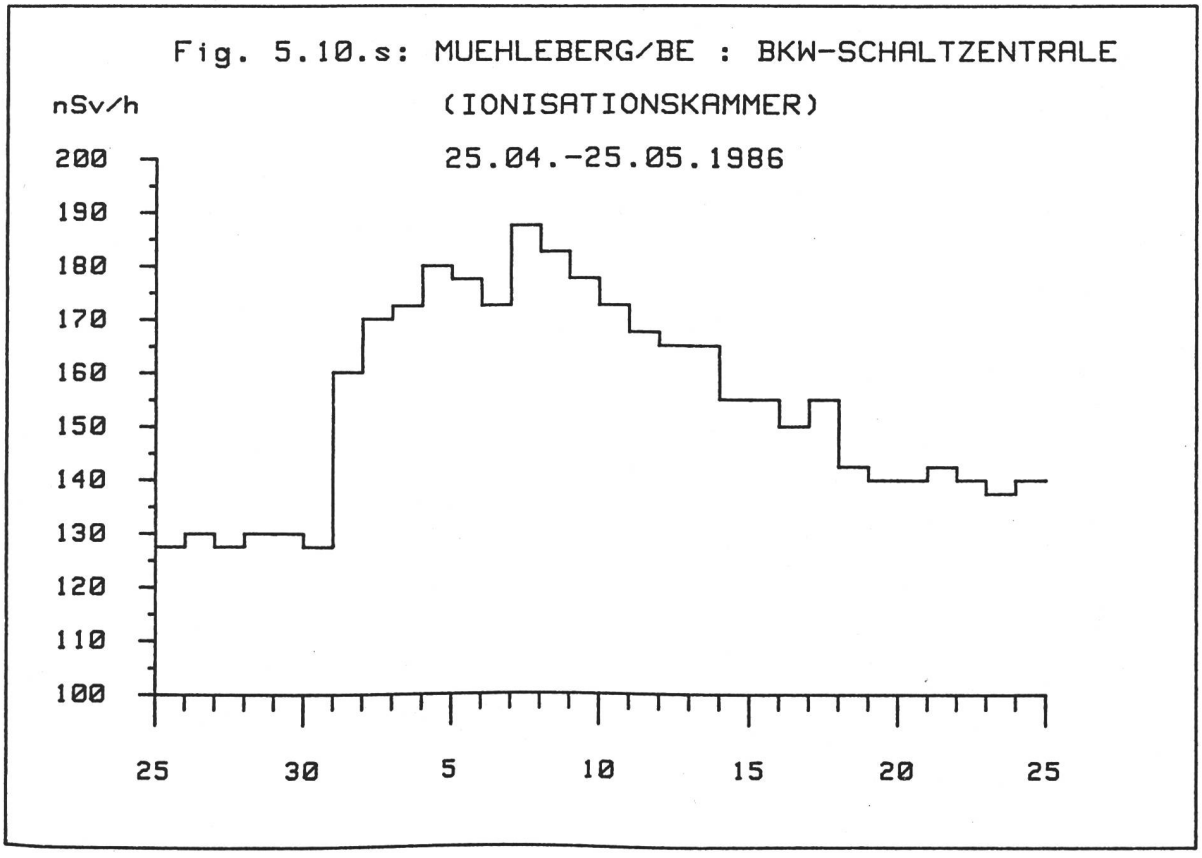



Fig. 5.10.s: MUEHLEBERG/BE : BKW-SCHALTZENTRALE
(IONISATIONSKAMMER)
25.04.-25.05.1986

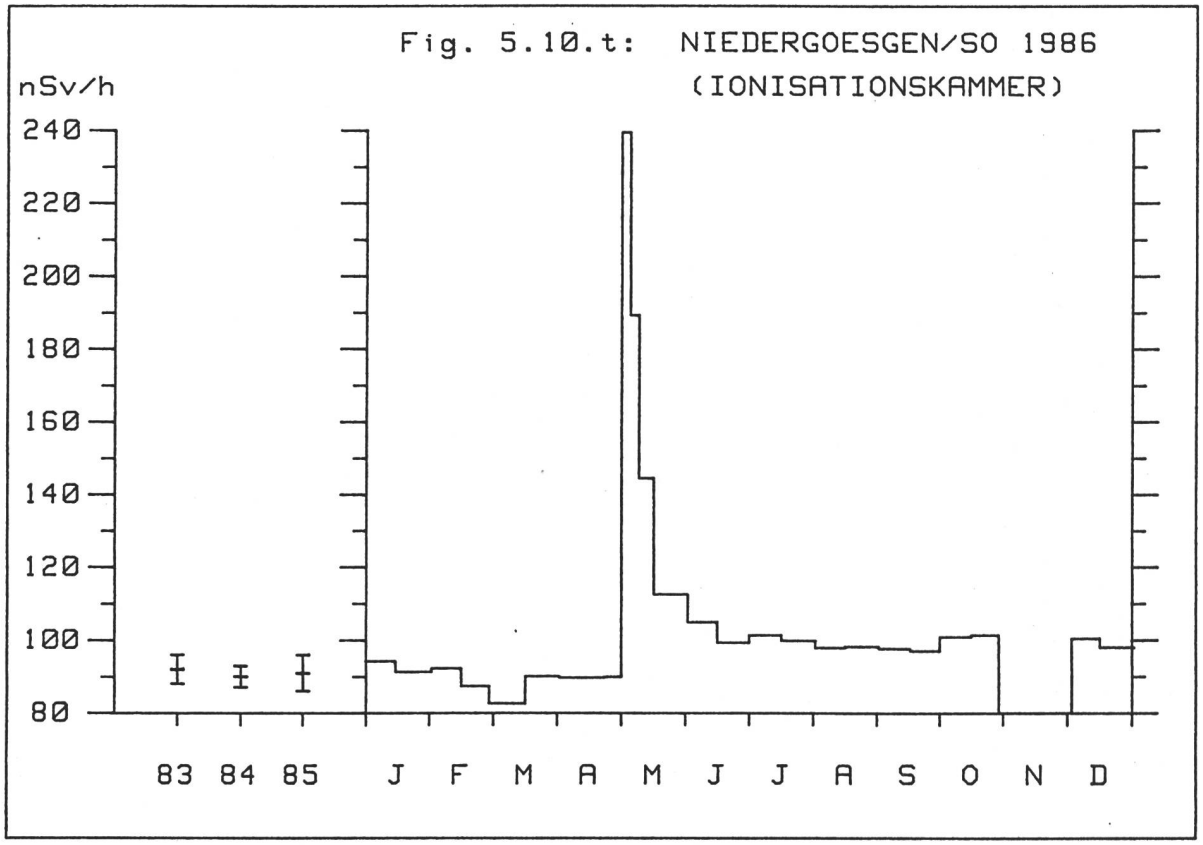



Fig. 5.10.t: NIEDERGOESGEN/SO 1986 (IONISATIONSKAMMER)

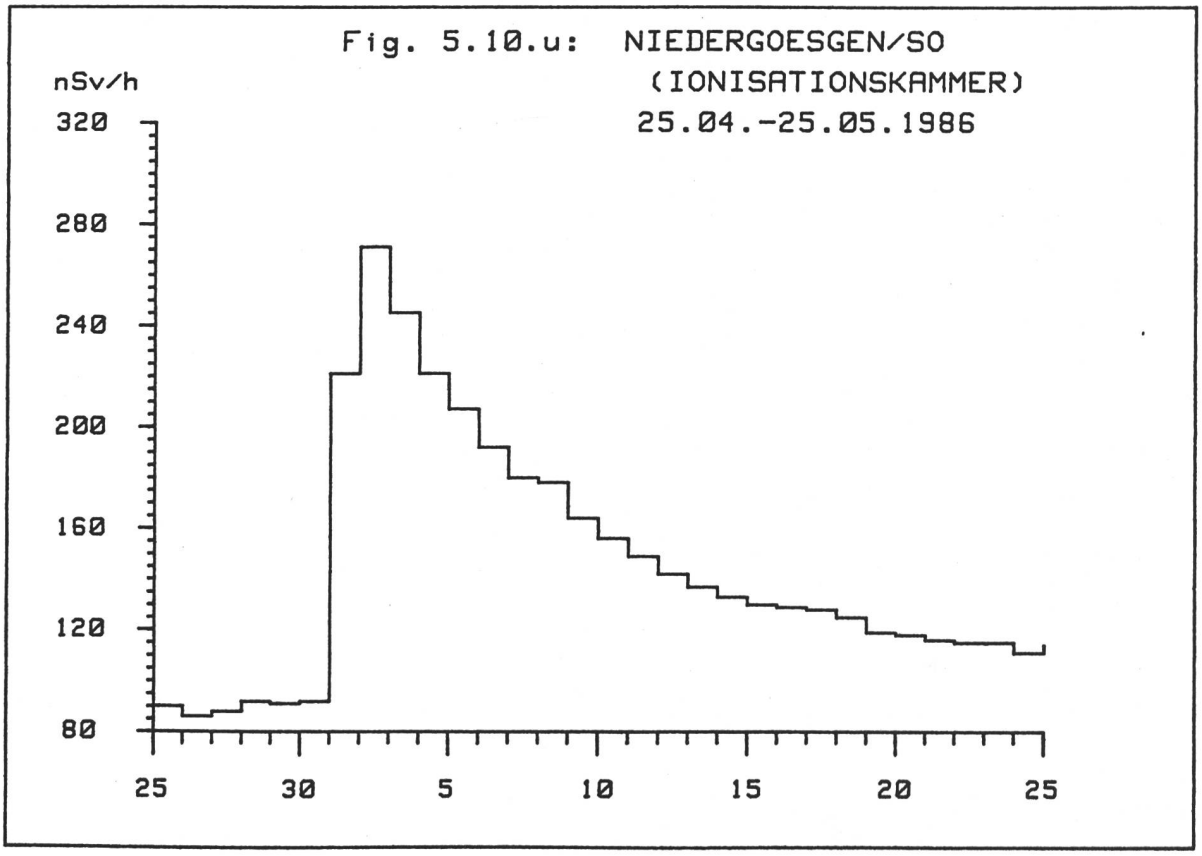



Fig. 5.10.u: NIEDERGOESGEN/SO (IONISATIONSKAMMER) 25.04.-25.05.1986

Fig.5.11.a.1: Cs-137 im Gras des Tessins, 1986

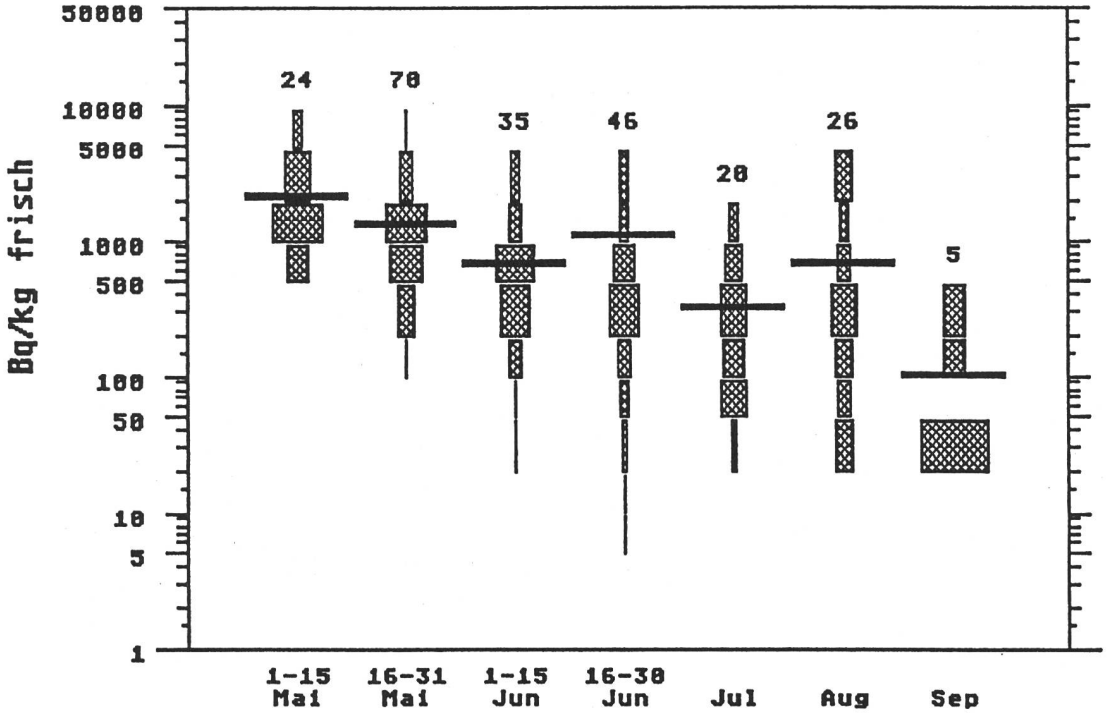



Fig.5.11.a.2: I-131 im Gras des Tessins, 1986

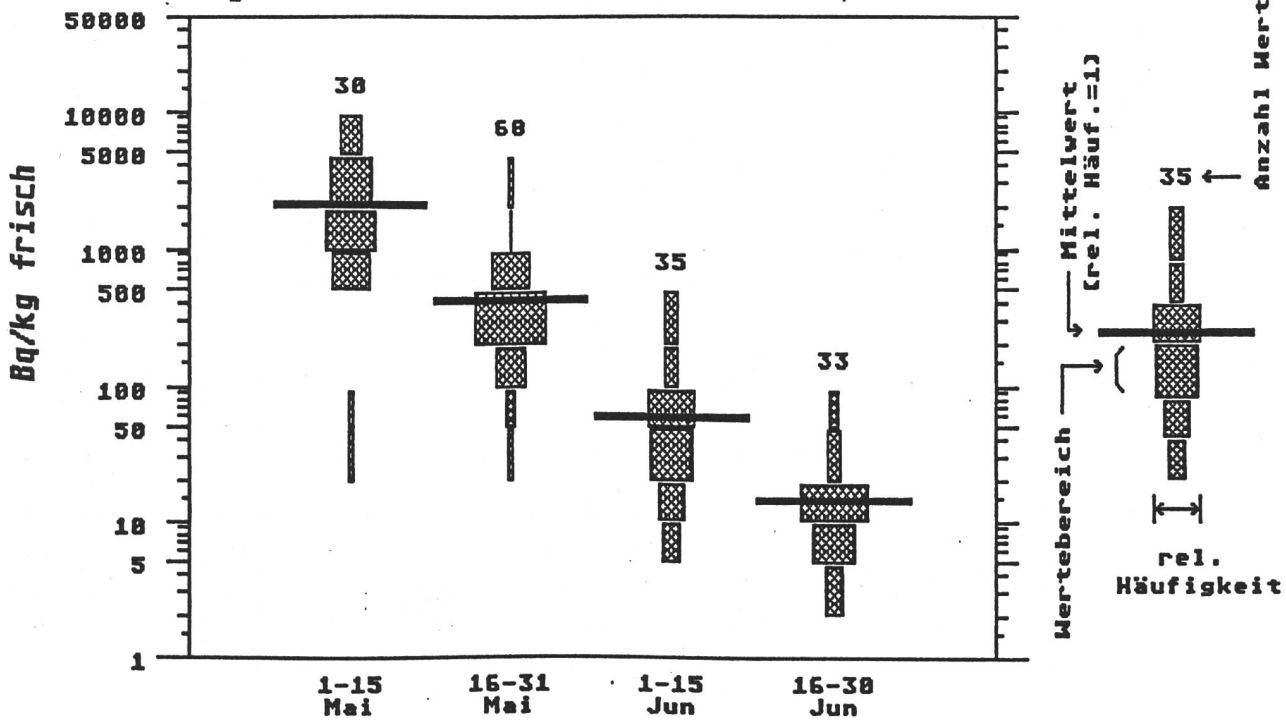


Fig.5.11.b.1: Cs-137 im Gras der Ostschweiz, 1986

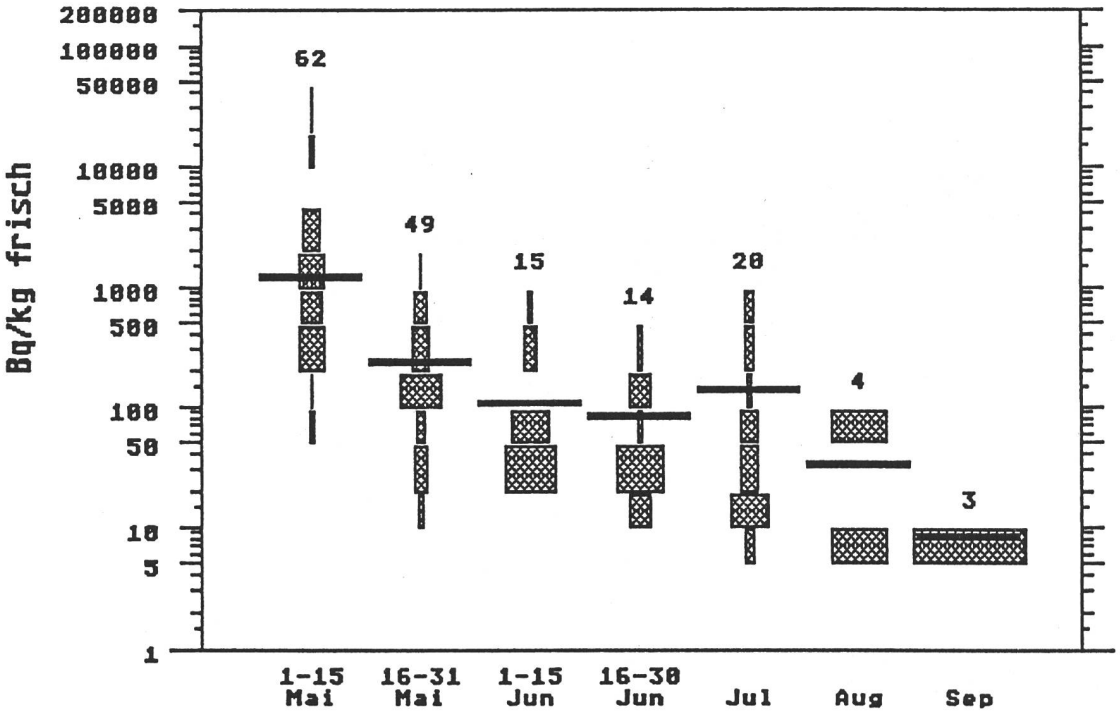



Fig.5.11.b.2: I-131 im Gras der Ostschweiz, 1986

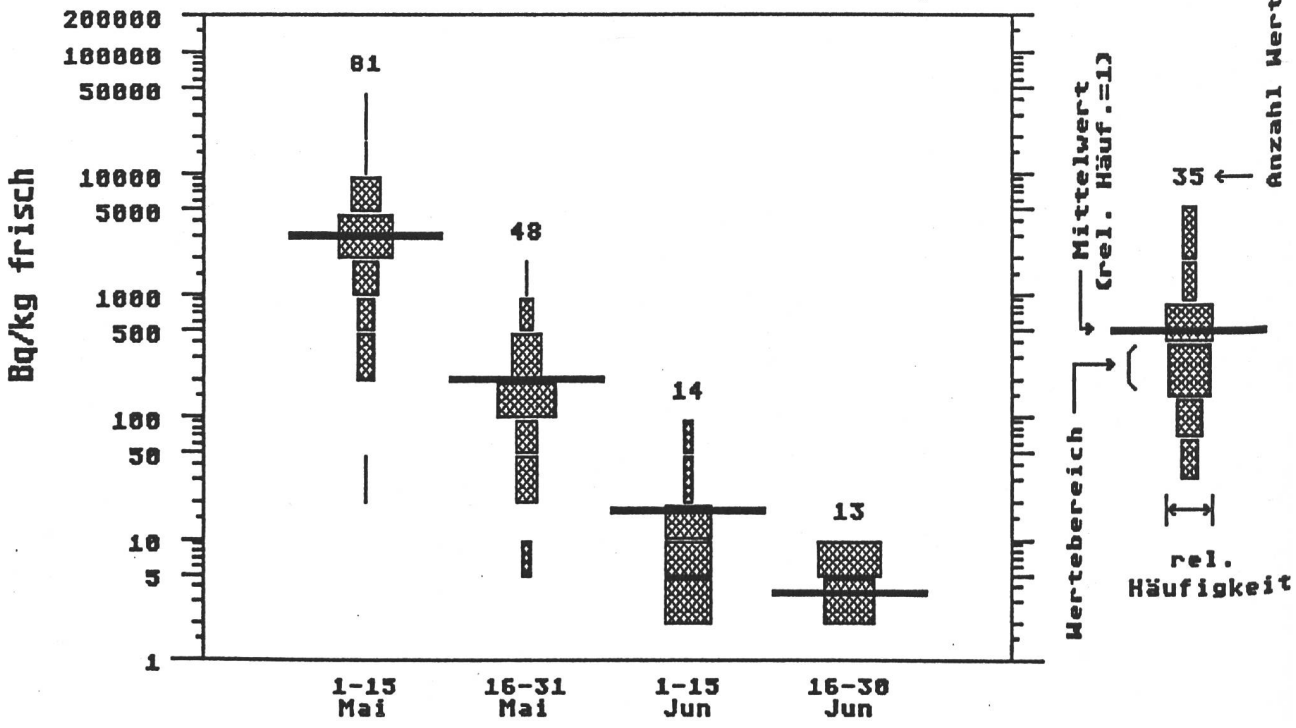


Fig.5.11.c.1: Cs-137 im Gras der Zentral- und Nordschweiz, 1986

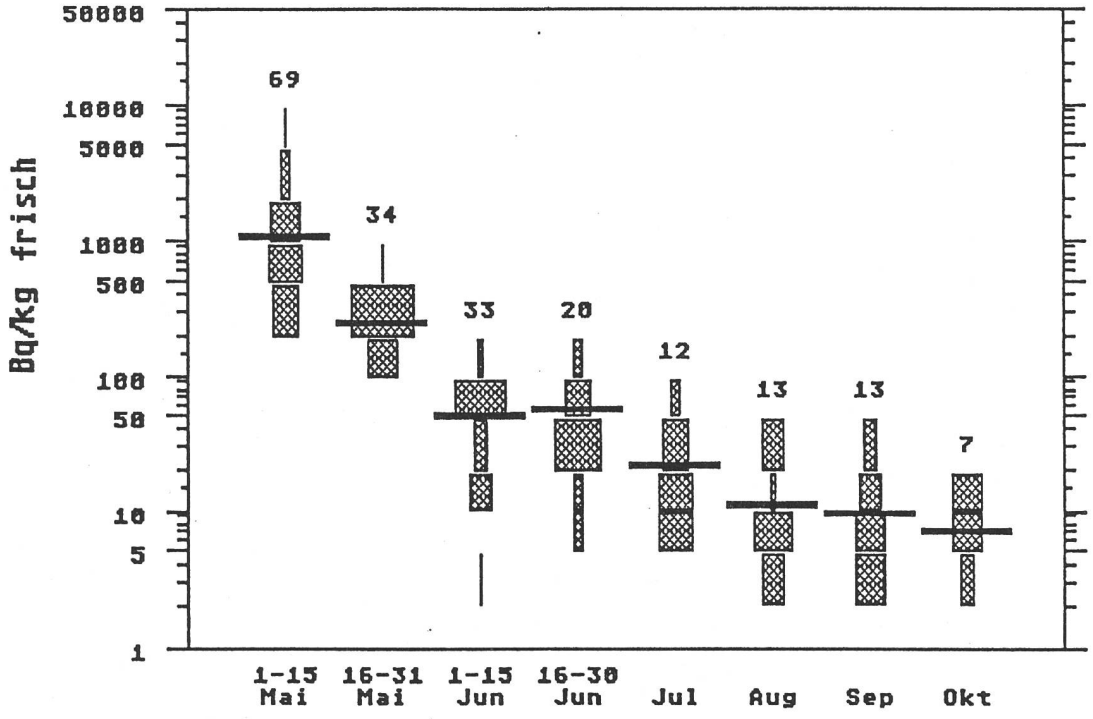



Fig.5.11.c.2: I-131 im Gras der Zentral- und Nordschweiz, 1986

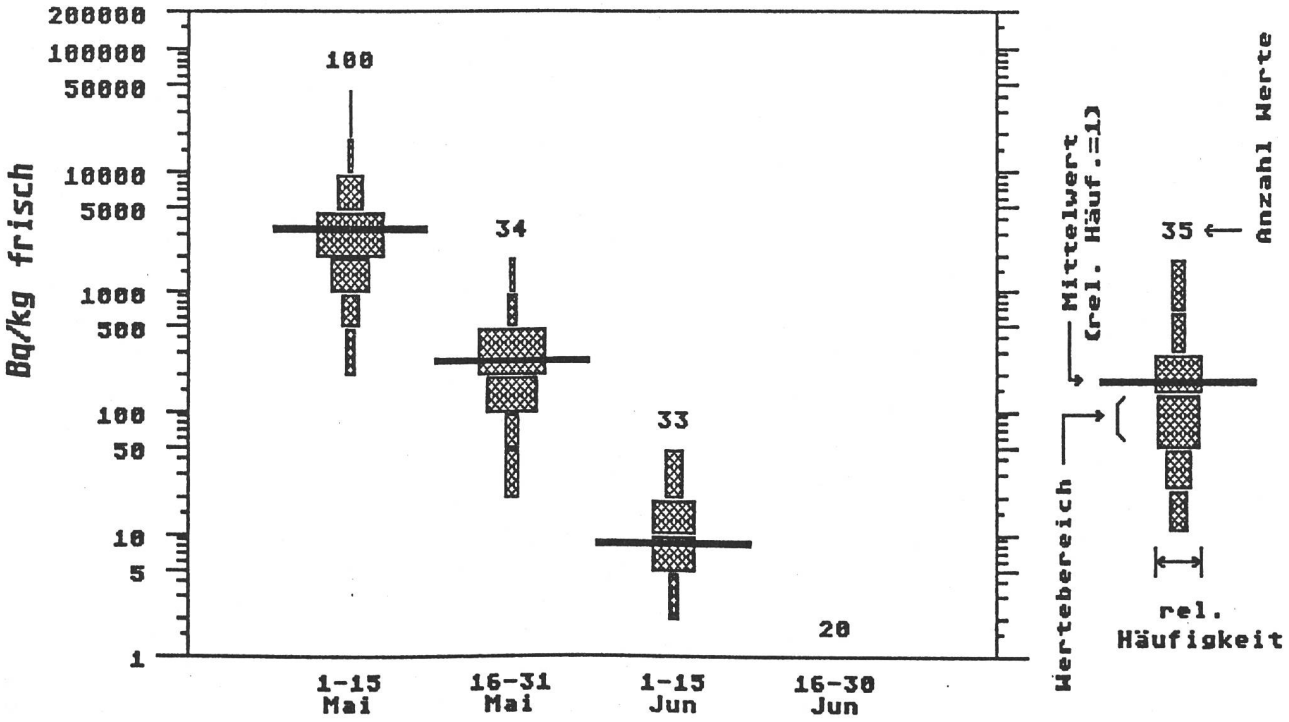


Fig.5.11.d.1: Cs-137 im Gras der Westschweiz, 1986

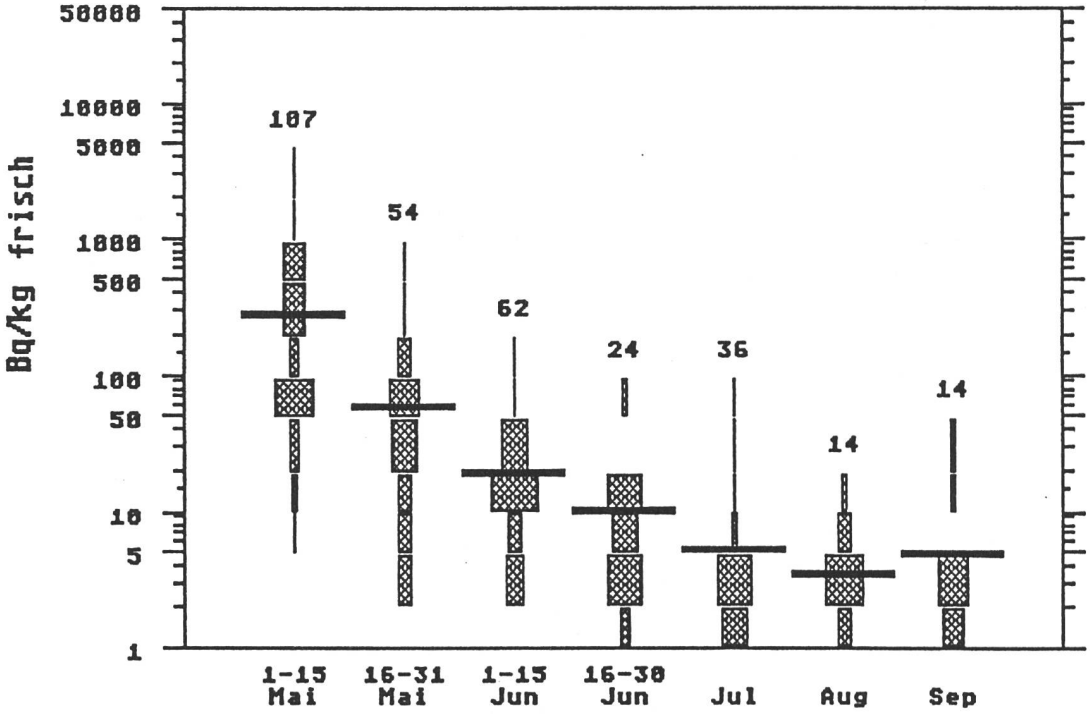



Fig.5.11.d.2: I-131 im Gras der Westschweiz, 1986

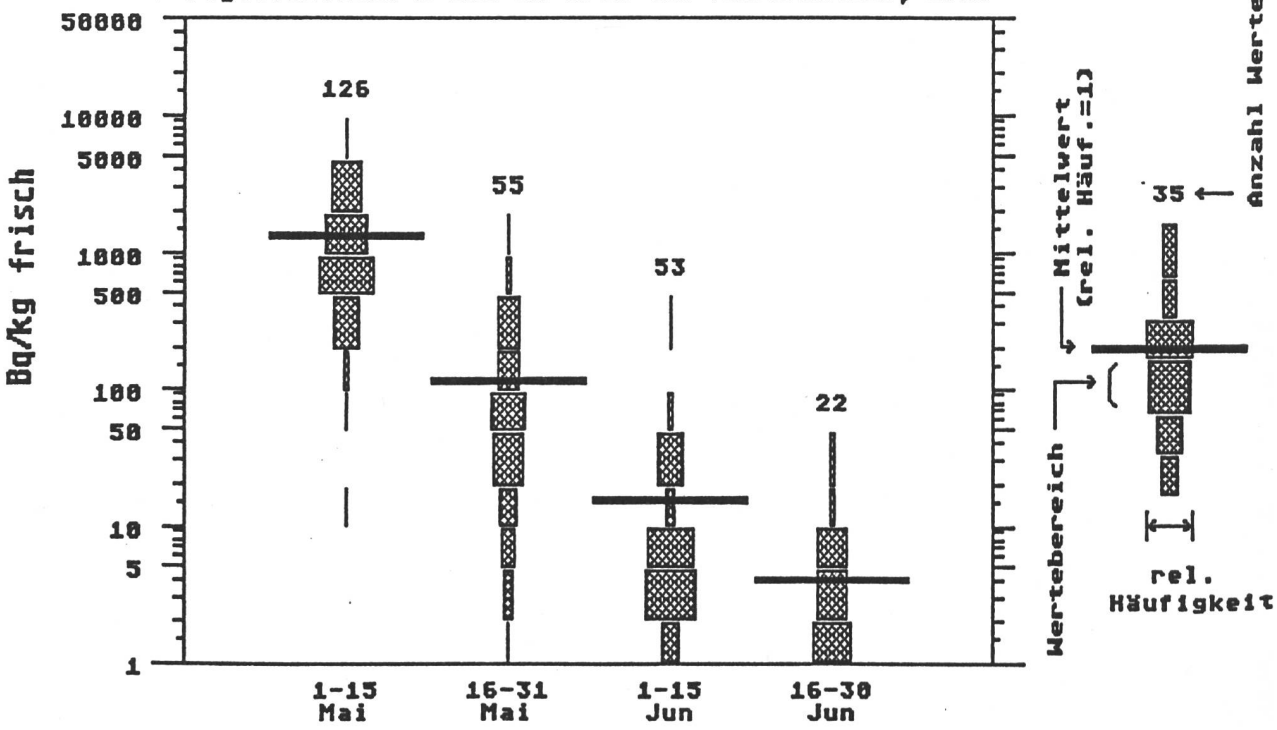


Fig.5.12.a: Radionuklide im Gras, Grangeneuve/FR 1986

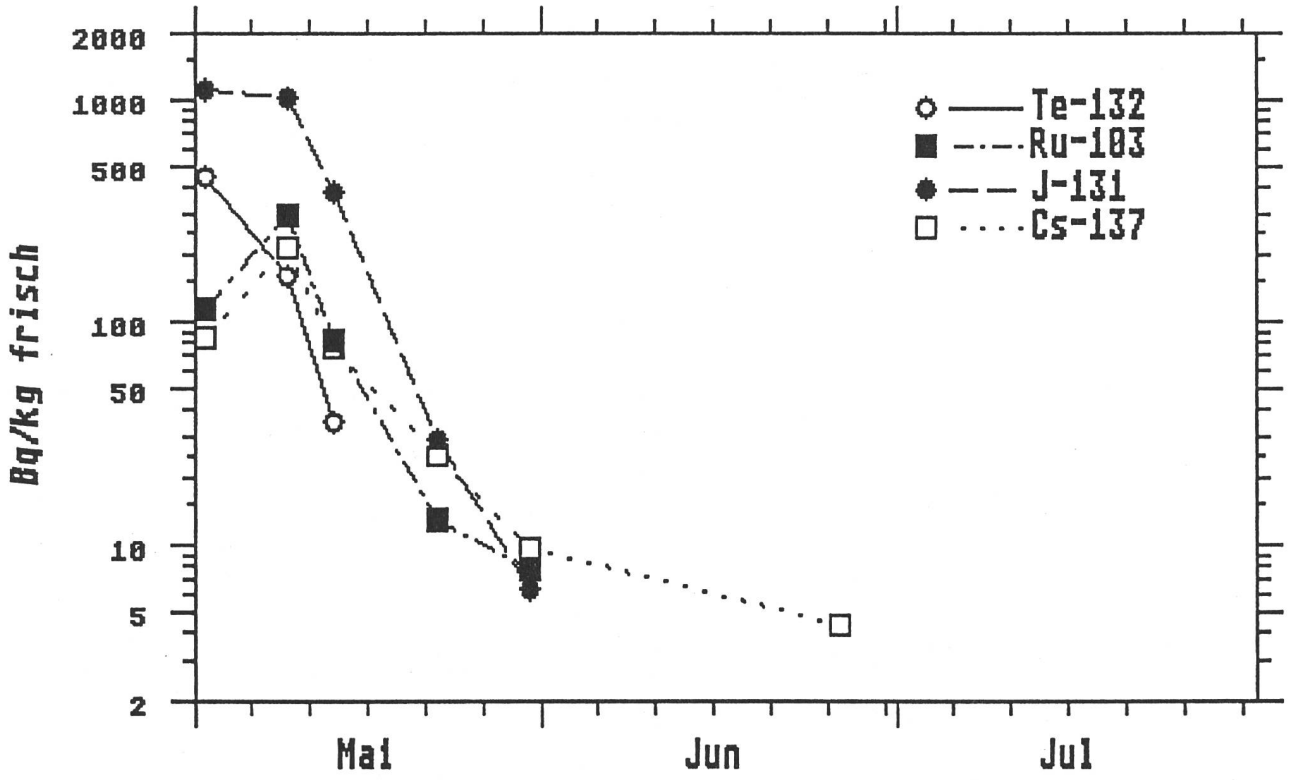



Fig.5.12.b: Radionuklide im Gras, Guschelmuth/FR 1986

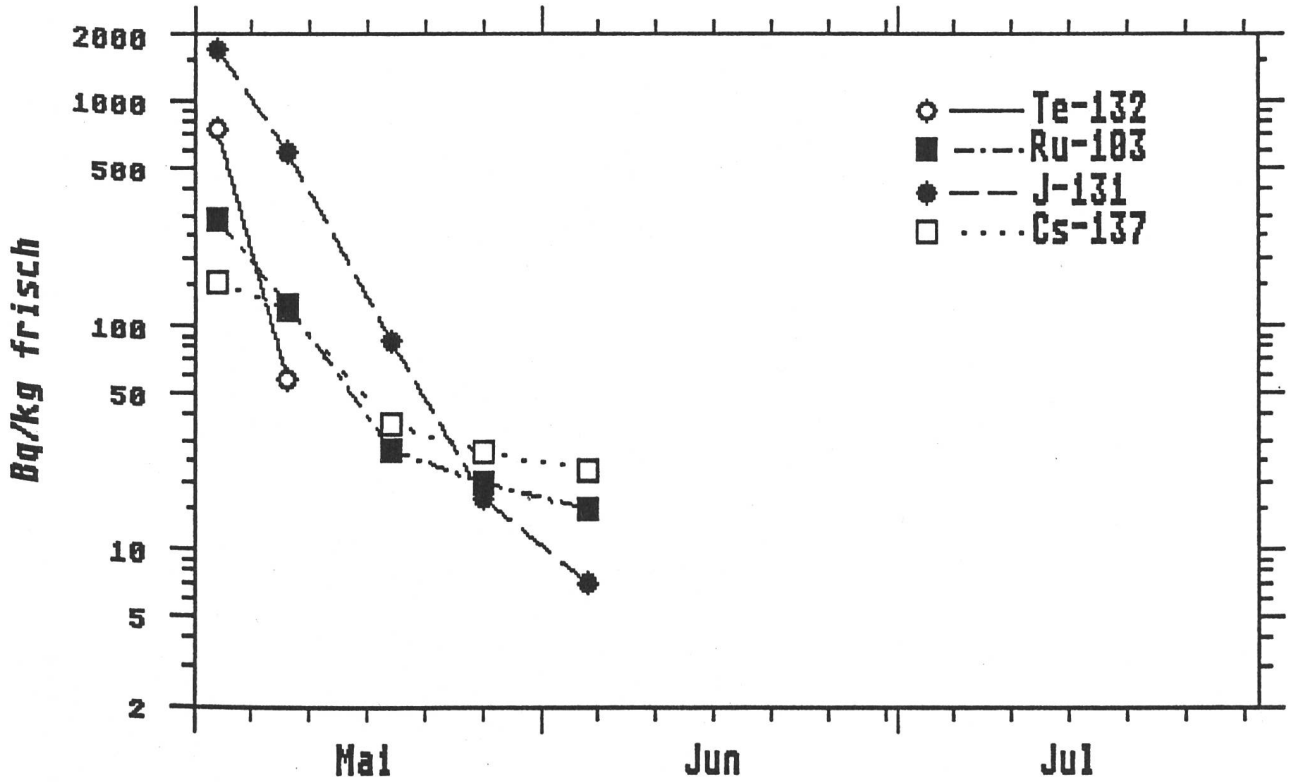


Fig.5.12.c: Radionuklide im Gras, Sessa/TI 1986

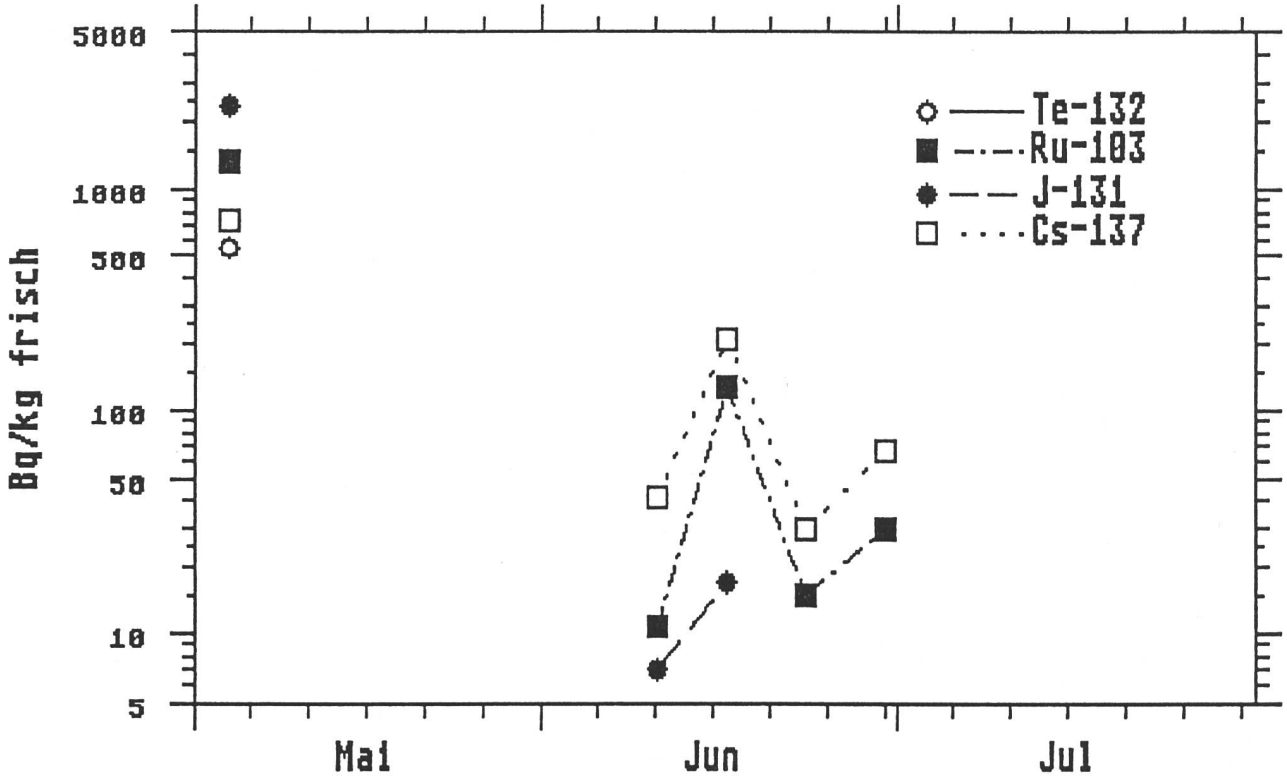



Fig.5.12.d: Radionuklide im Gras, Breganzona/TI 1986

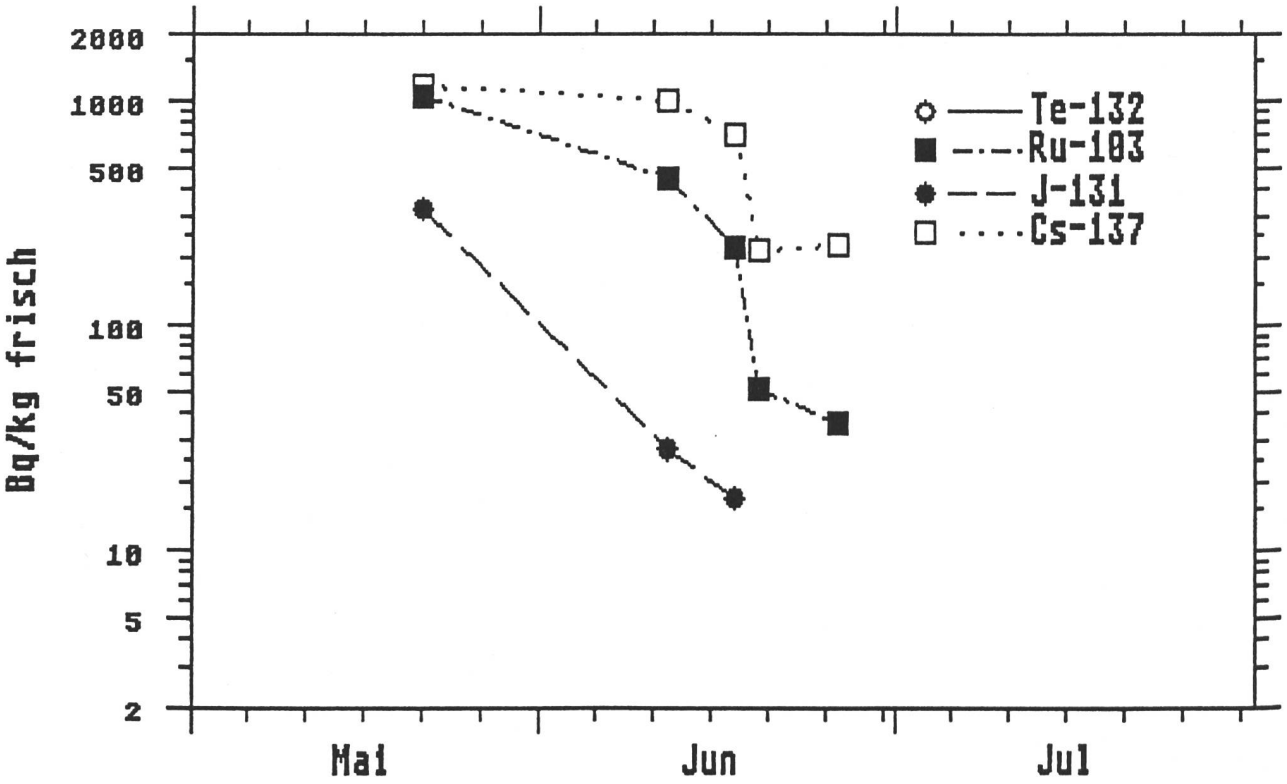


Fig.5.12.e: Radionuklide im Gras, Magadino/TI 1986

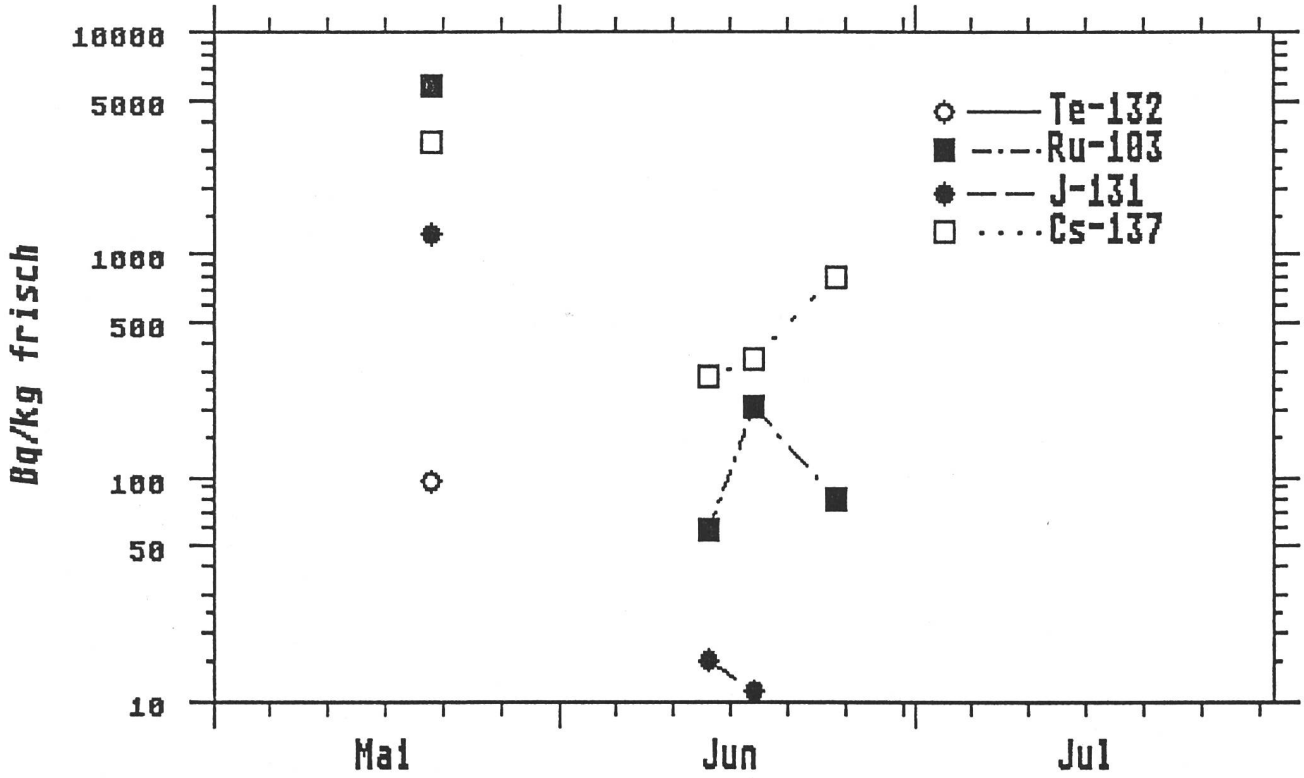



Fig.5.12.f: Radionuklide im Gras, Mezzovico/TI 1986

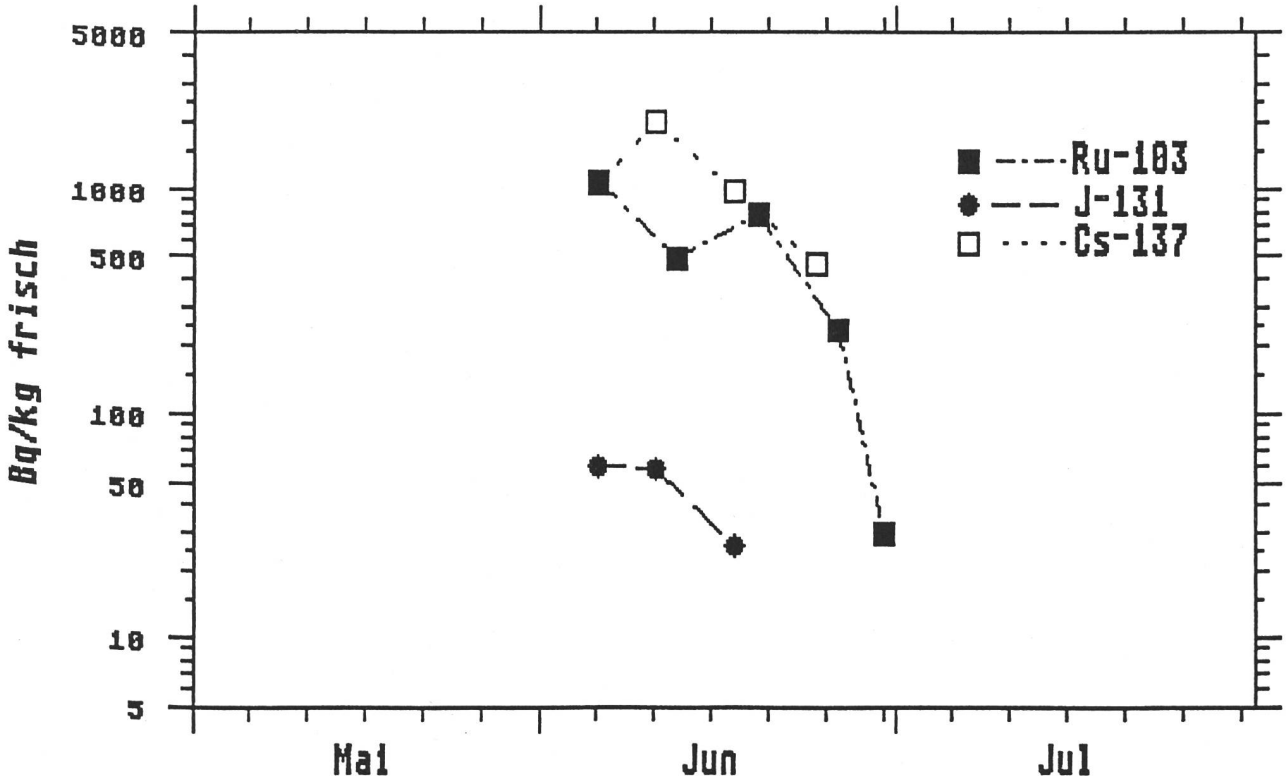


Fig.5.12.g: Radionuklide im Gras, Arogno/TI 1986

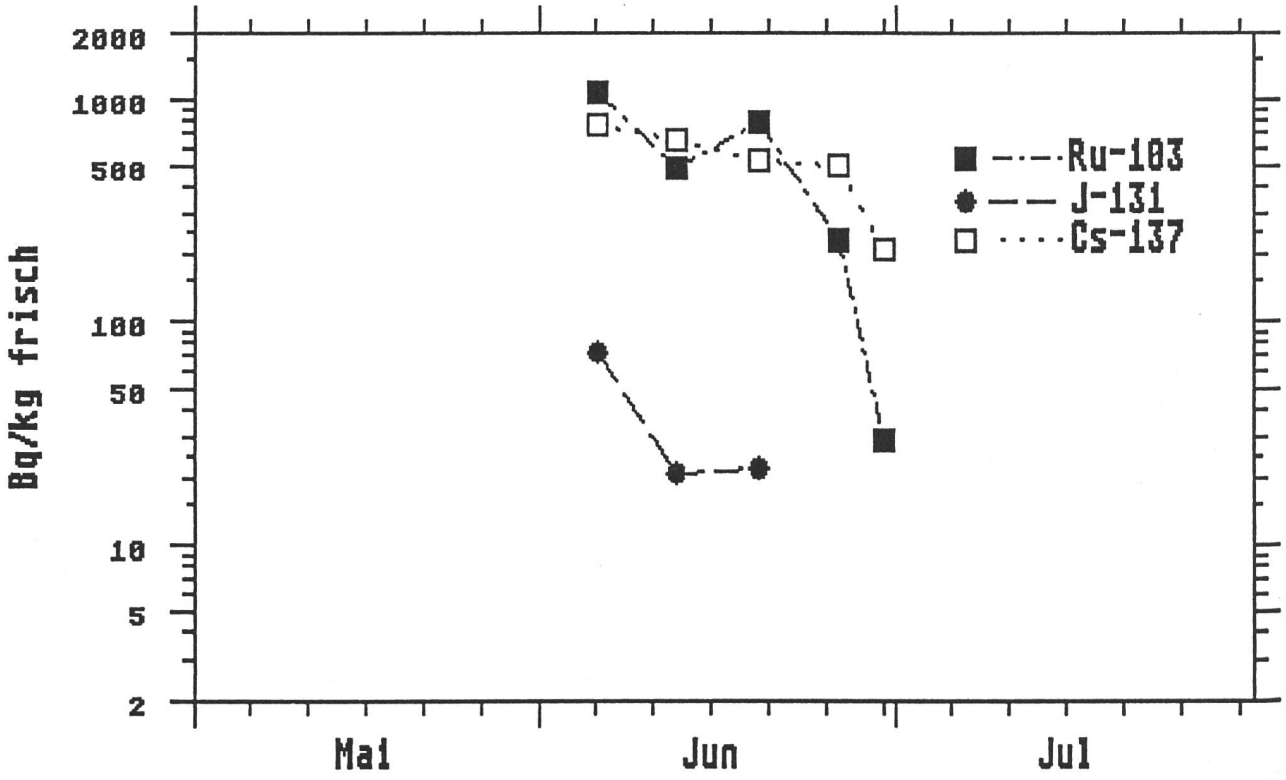



Fig.5.12.h: Radionuklide im Gras, Arosio/TI 1986

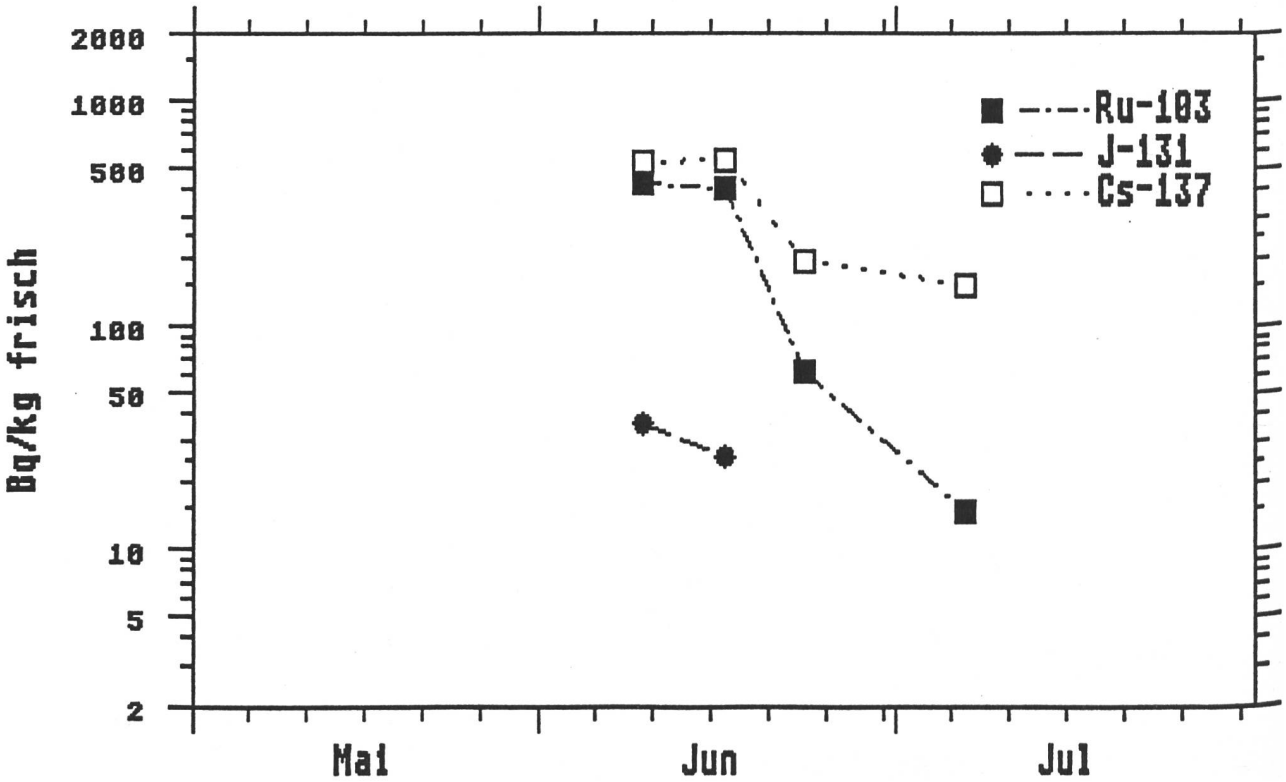


Fig.5.12.i: Radionuklide im Gras, Faulensee/BE (Einzelhof) 1986

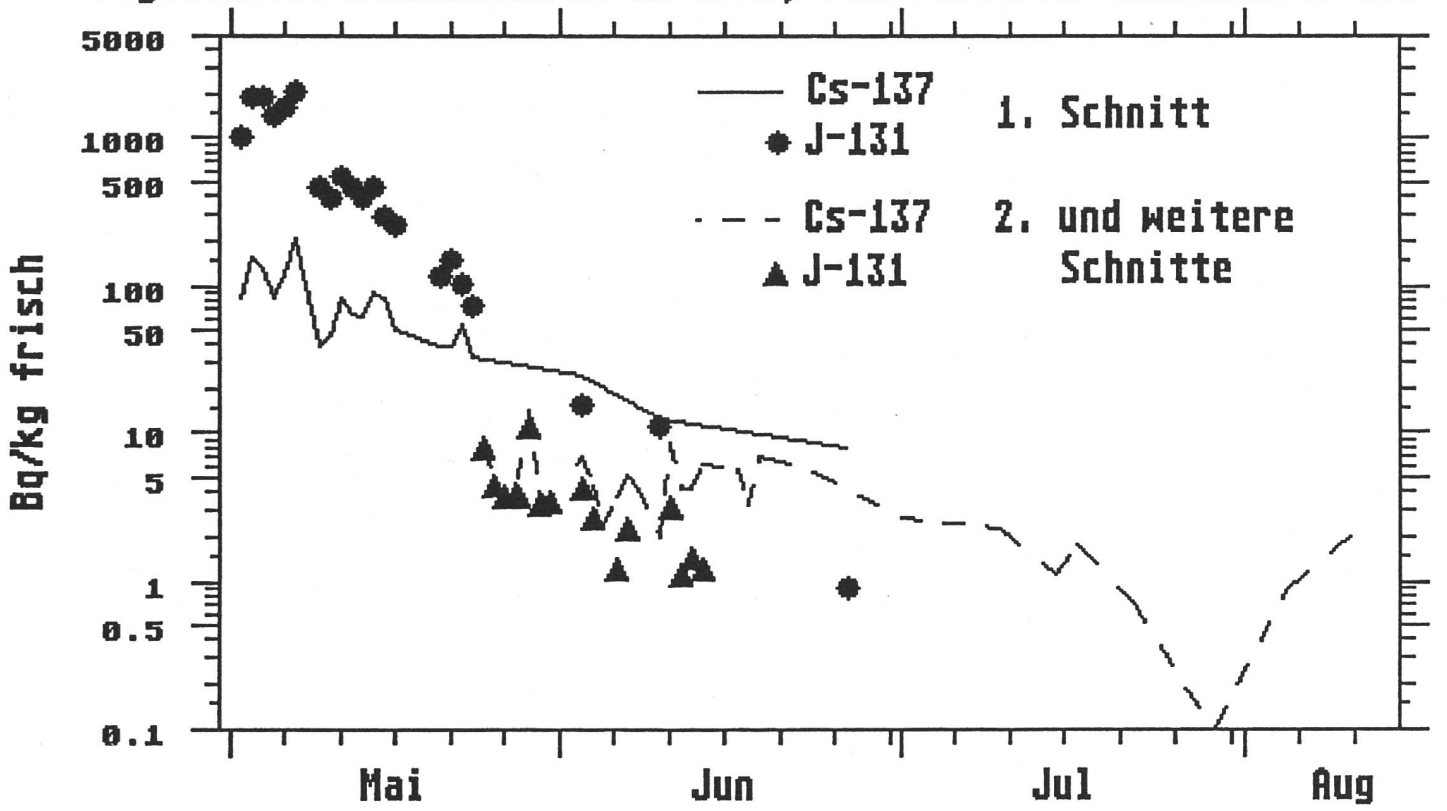


Fig.5.13: Bodenbelegung durch Atombomben-Fallout und Unfall Tschernobyl (1986)

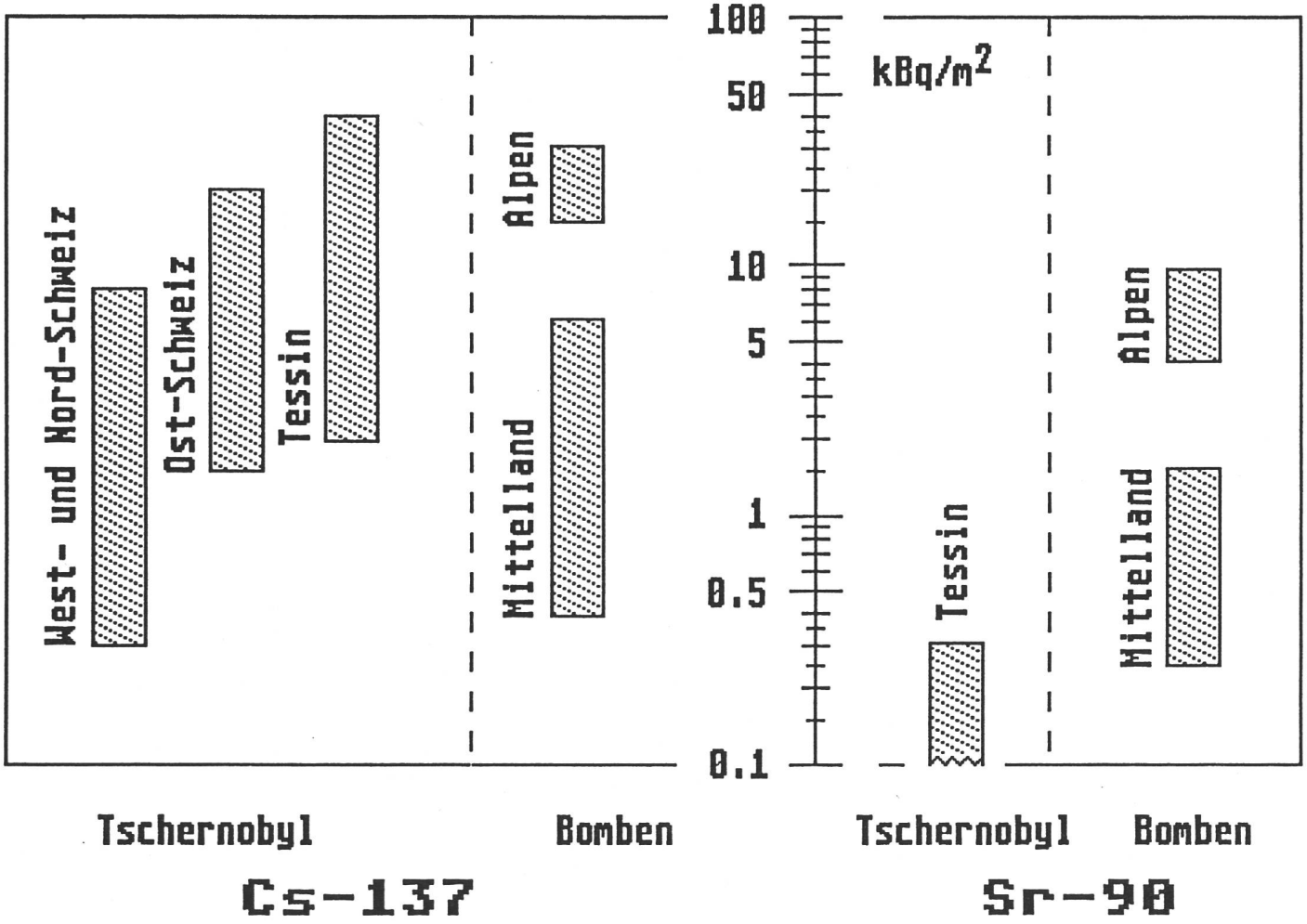


Fig.5.14.a: Cs-137 im Heu aus dem Tessin; 1986

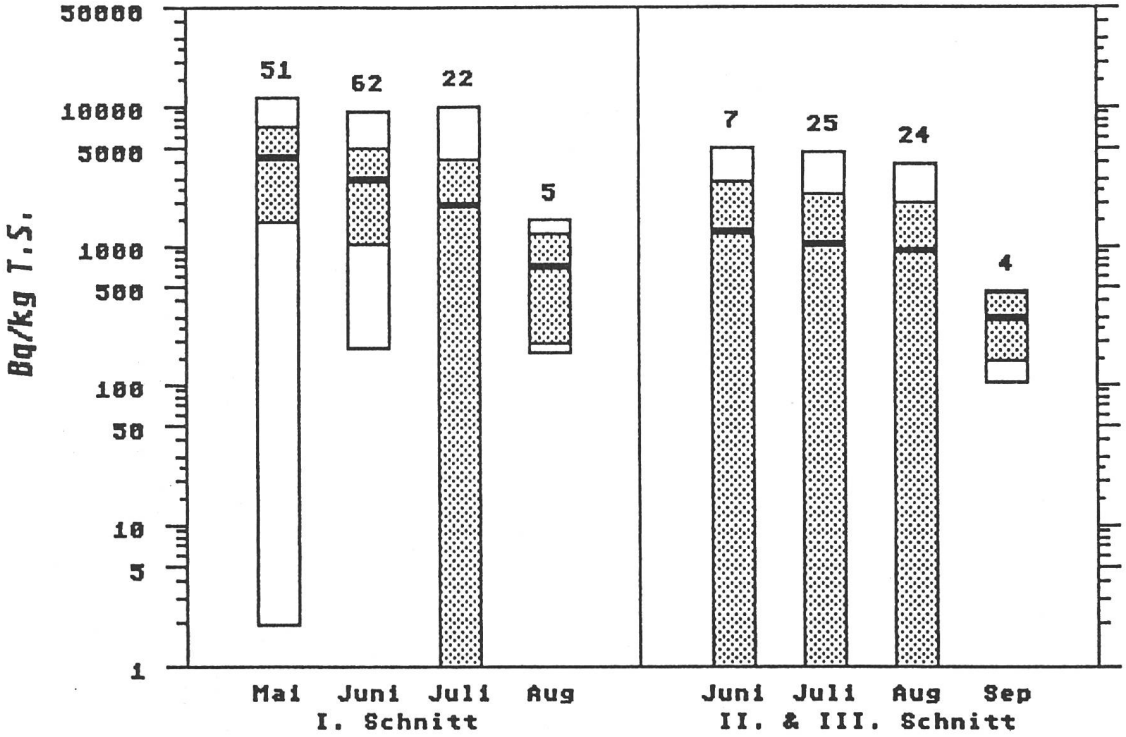



Fig.5.14.b: Cs-137 im Heu; ganze Schweiz 1986

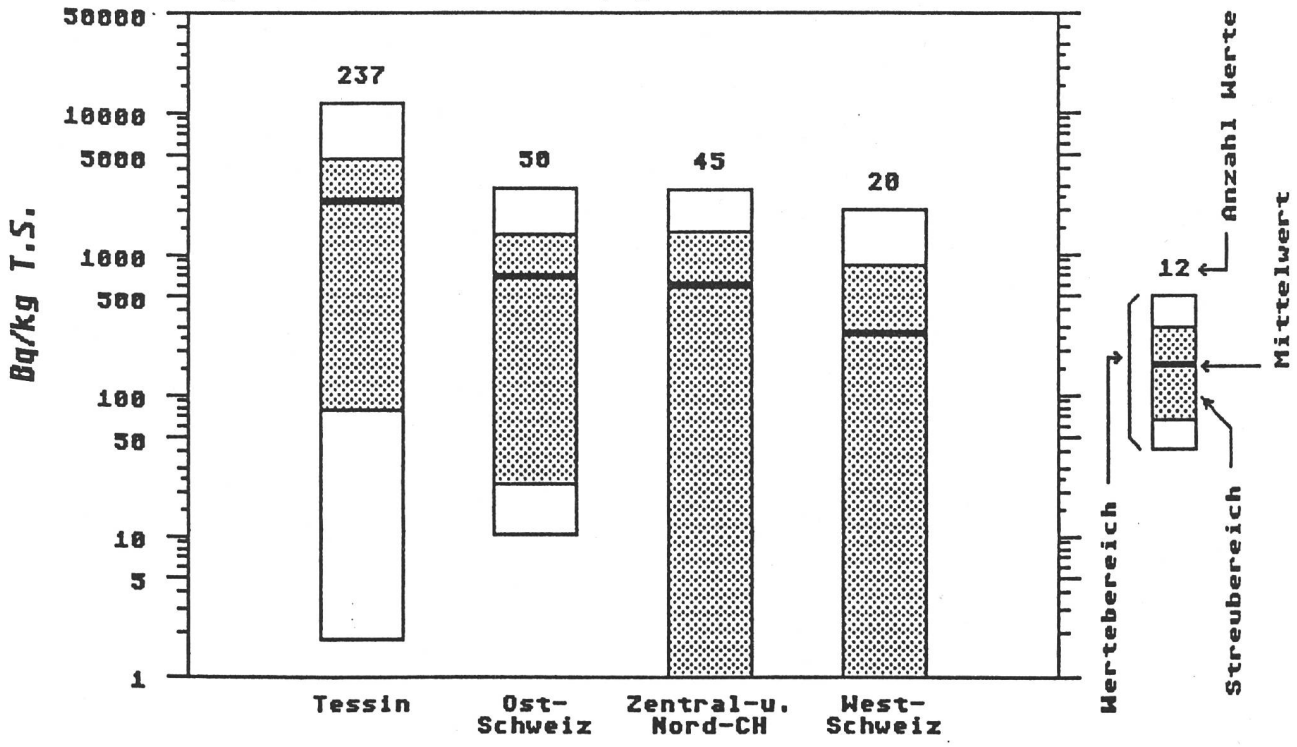


Fig.5.15.a: Cs-137 in Erdproben (Schicht: nominell 0-5 cm) 1986

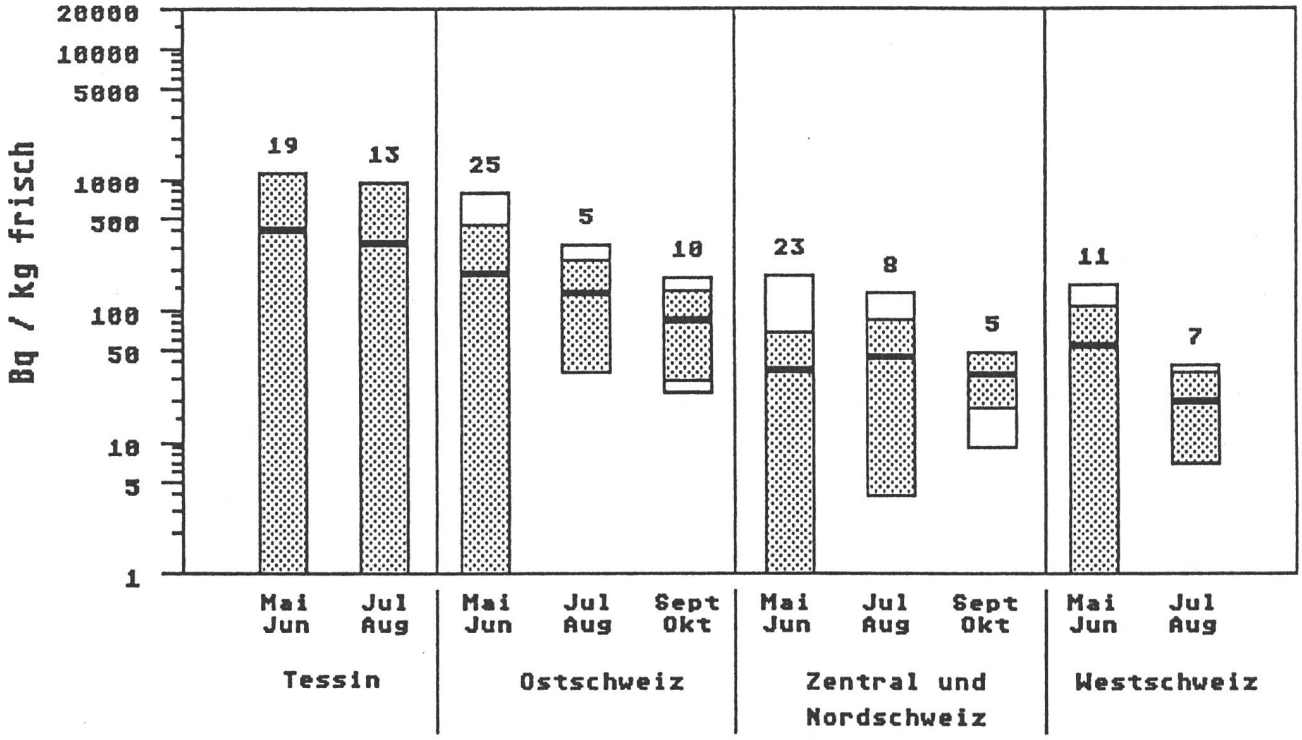



Fig.5.15.b: "altes" Cs-137 in Erdproben (ohne Tschernobyl-Anteil) (Schicht: 0-5 cm) 1986

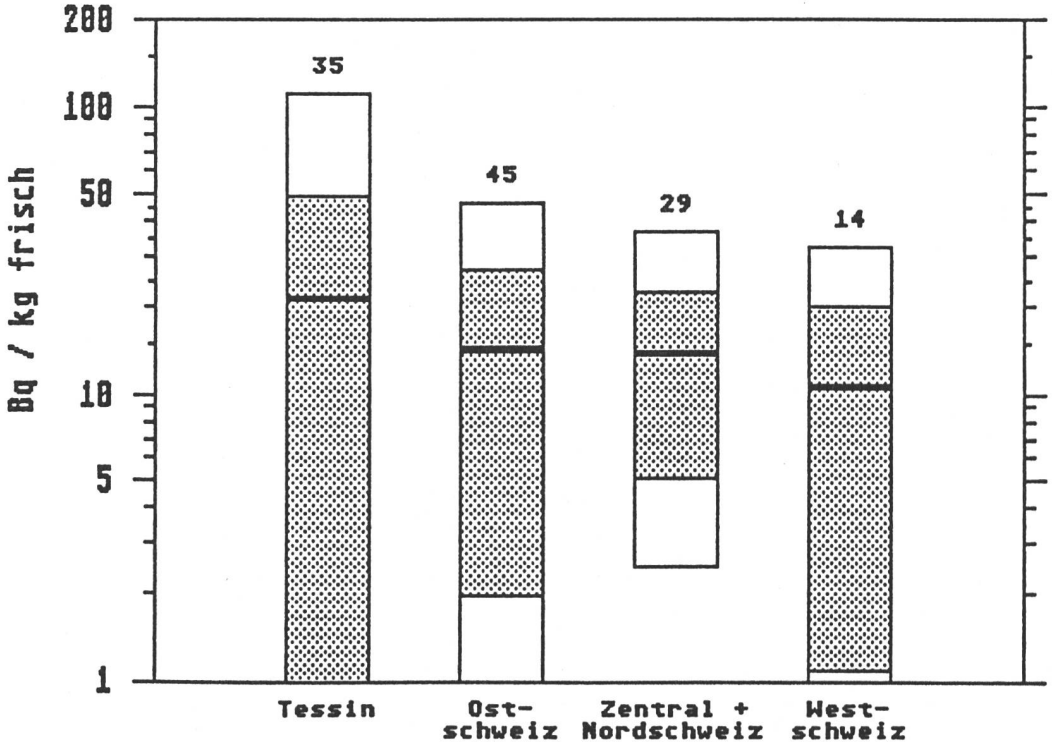


**Fig.5.16.a:** "in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Beznau/EIR; Juni 1985

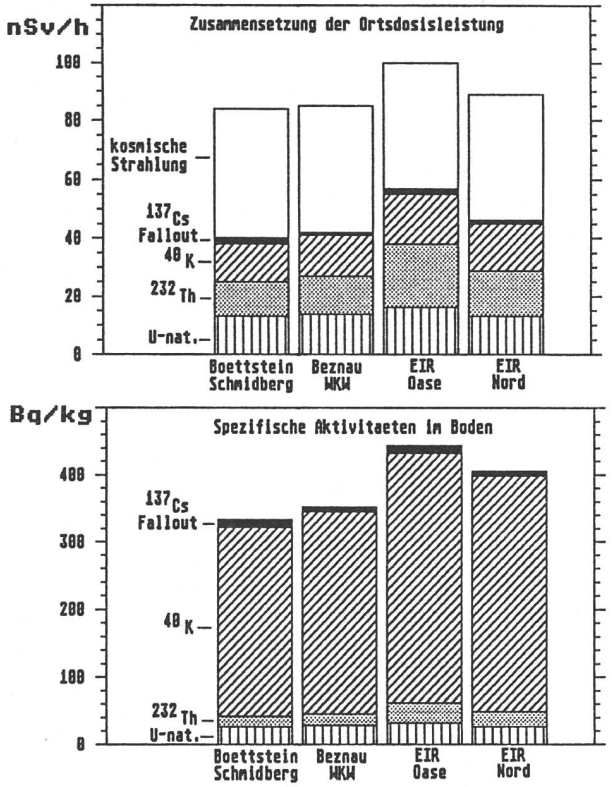



**Fig.5.16.b:** "in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Beznau/EIR; Juli 1986

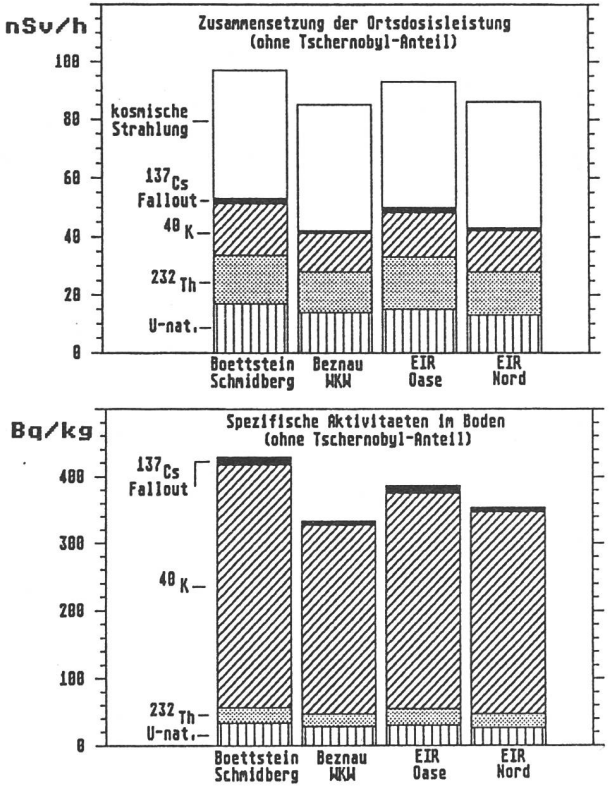



**Fig.5.16.c:** "in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Beznau/EIR; Juli 1986

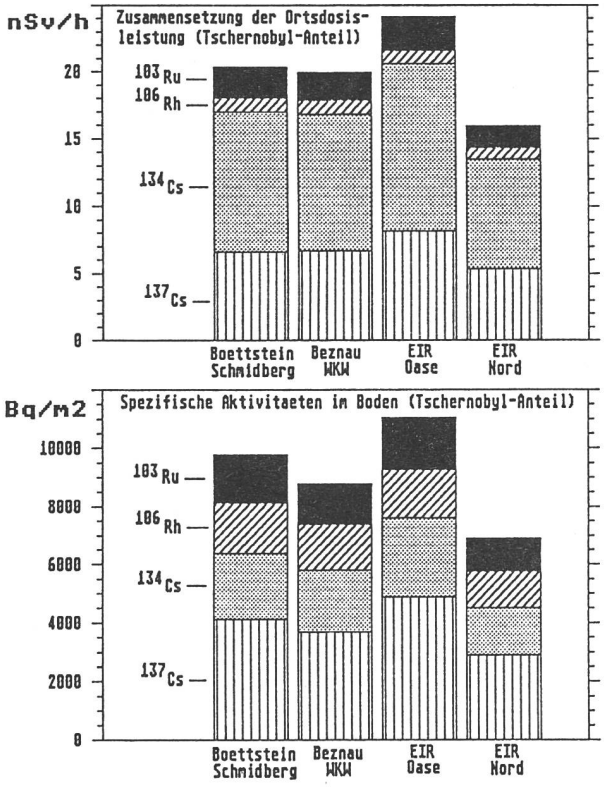


Fig.5.16.d:"in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Leibstadt;Juni 1985

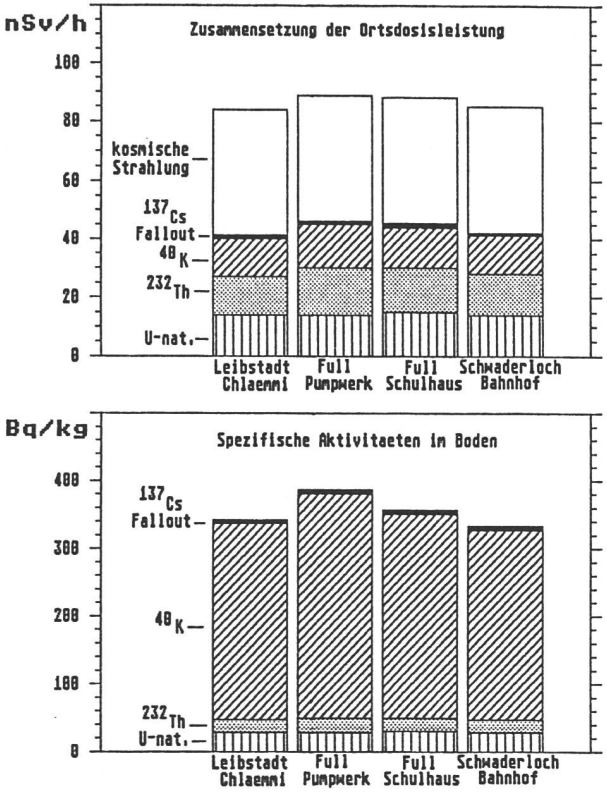



Fig.5.16.e:"in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Leibstadt;Juli 1986

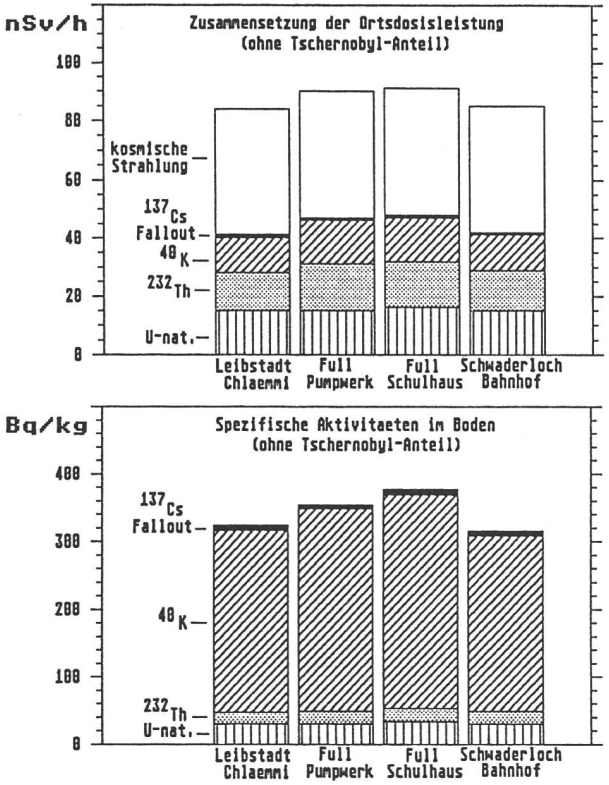



Fig.5.16.f:"in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Leibstadt;Juli 1986

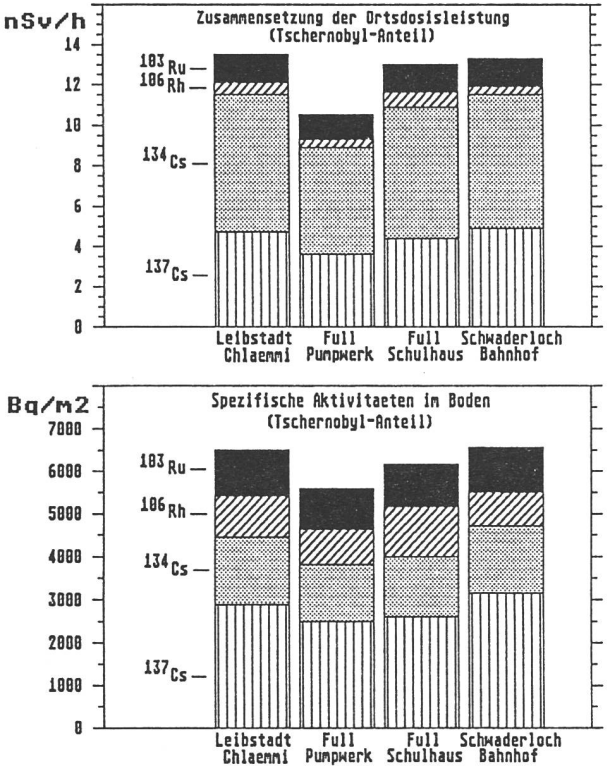


Fig.5.16.g:"in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Goesgen;August 1985

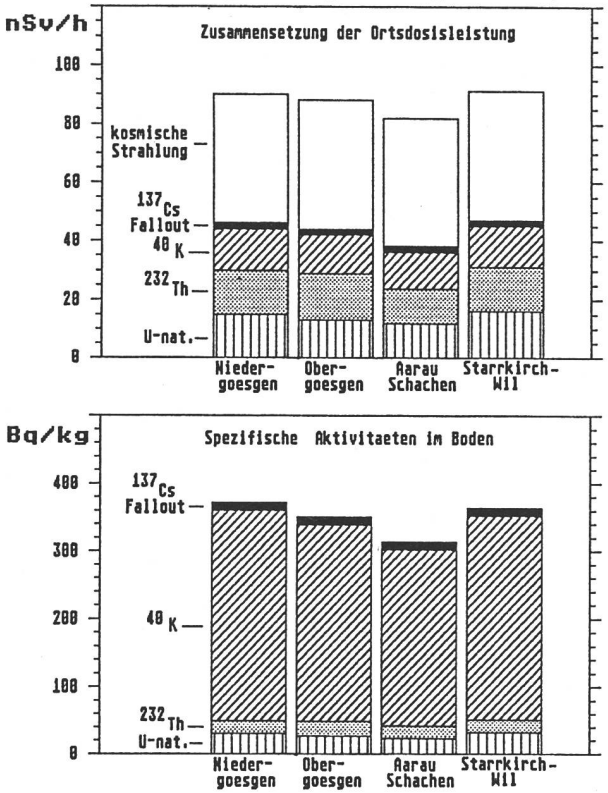



Fig.5.16.h:"in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Goesgen;Juni 1986

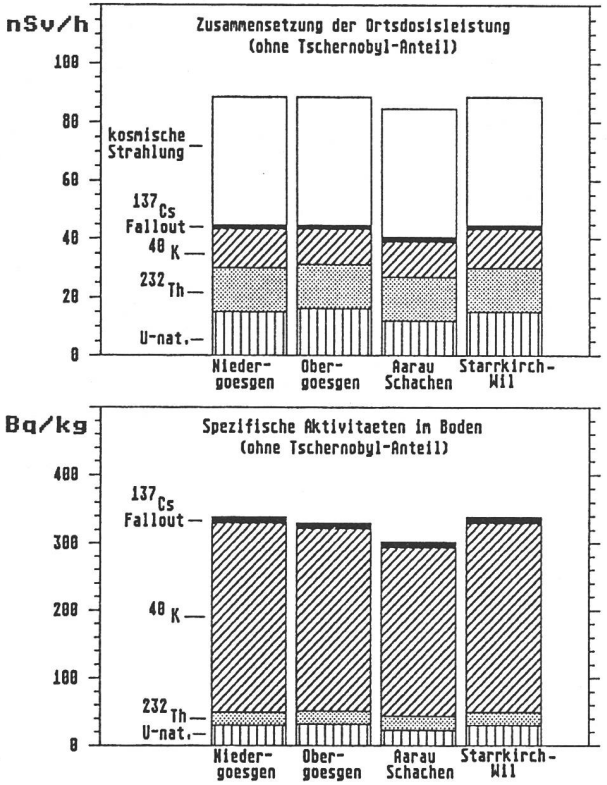



Fig.5.16.i:"in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Goesgen;Juni 1986

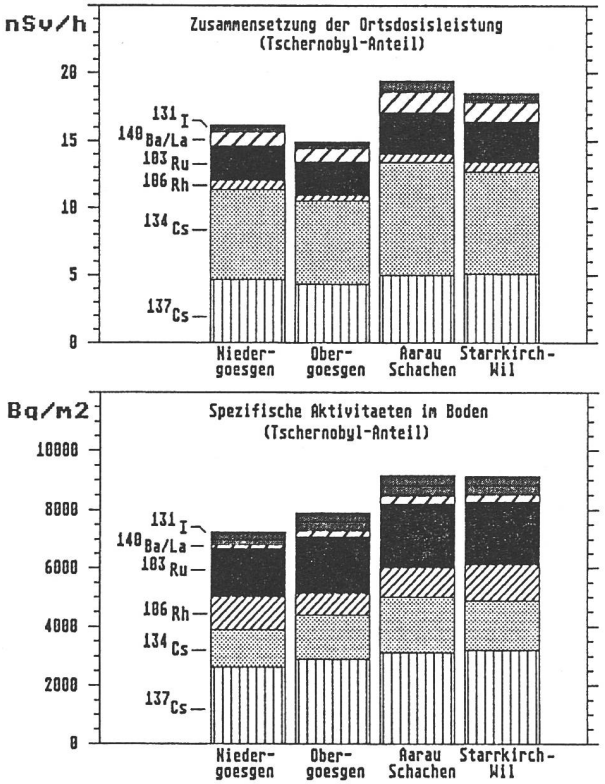


**Fig.5.16.j:"in-situ" Messungen mit tragbarem Germanium-Detektor**

**Umgebung Muehleberg;Juli 1985**

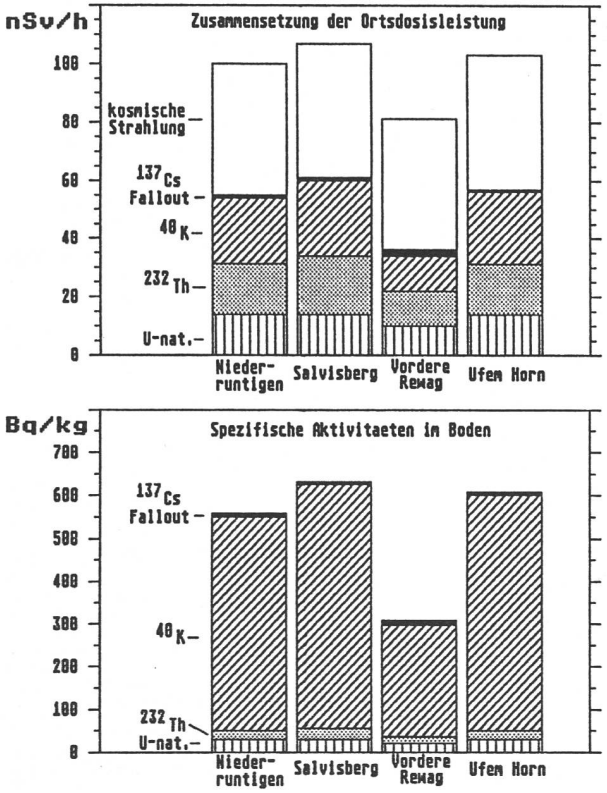



**Fig.5.16.k:"in-situ" Messungen mit tragbarem Germanium-Detektor**

**Umgebung Muehleberg;Juni 1986**

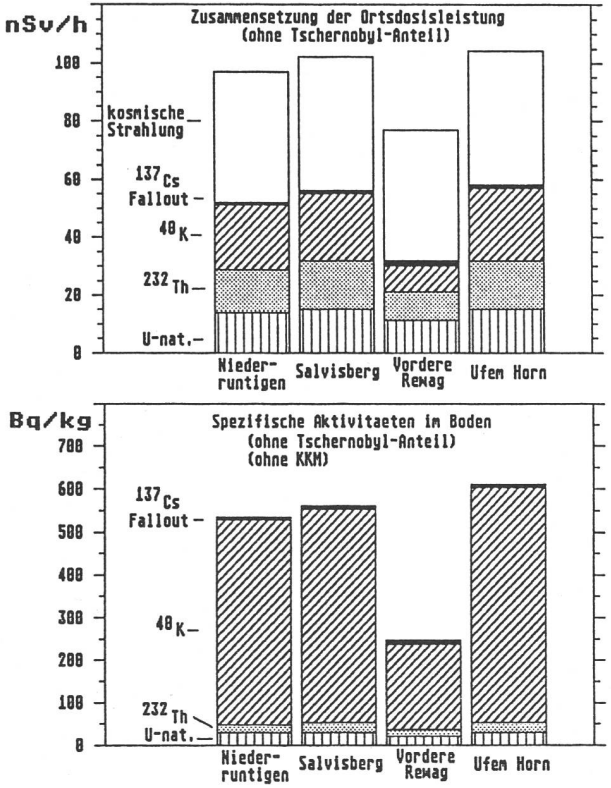



**Fig.5.16.l:"in-situ" Messungen mit tragbarem Germanium-Detektor**

**Umgebung Muehleberg;Juni 1986**

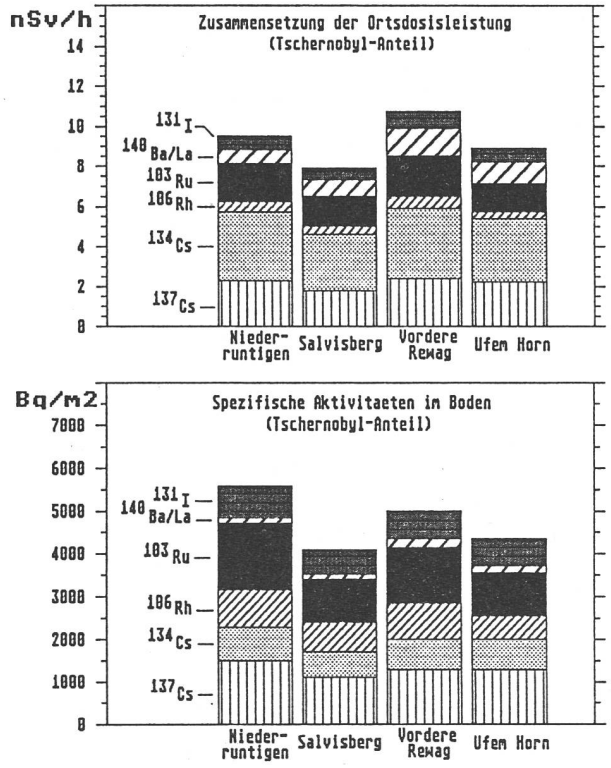


**Fig.5.16.m:** "in-situ" Messungen mit tragbarem Germanium-Detektor Umgebung Muehleberg; 1986

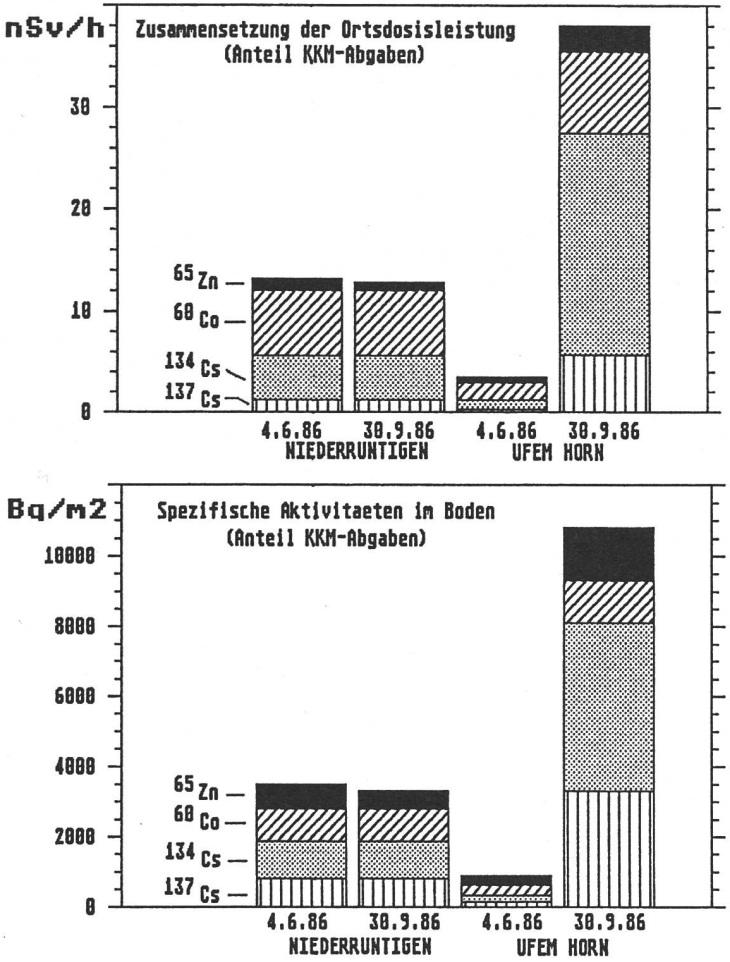



**Fig.5.16.n:** "in-situ" Messungen mit tragbarem Germanium-Detektor im Jura; Mai 1986

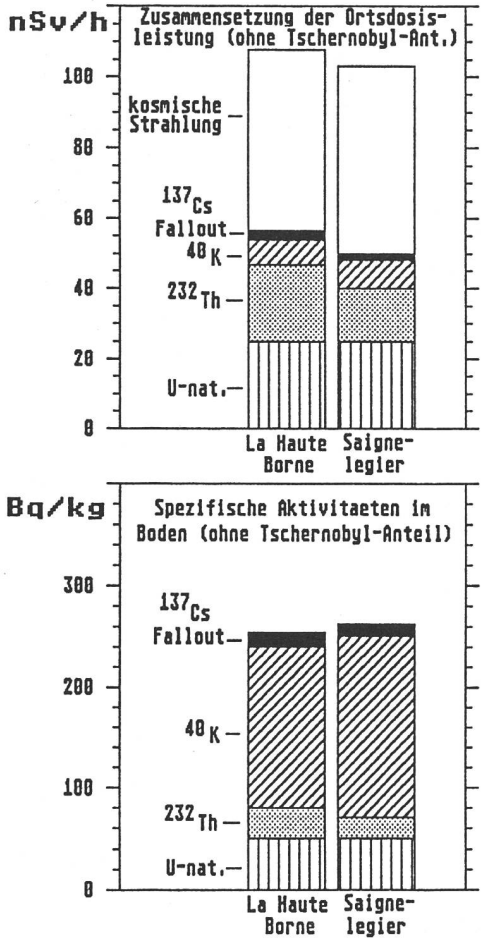



**Fig.5.16.o:** "in-situ" Messungen mit tragbarem Germanium-Detektor im Jura; Mai 1986

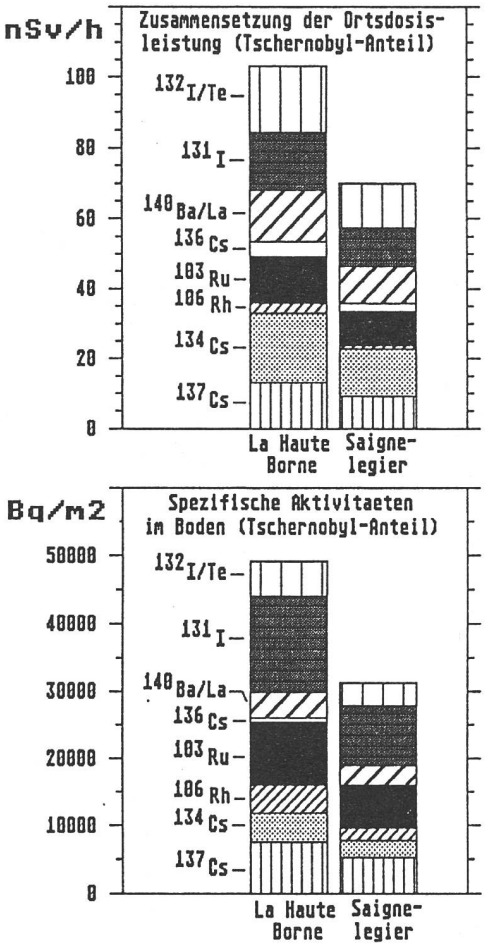


**Fig.5.16.p:"in-situ" Messungen mit tragbarem Germanium-Detektor in Magadino(TI) Mai, Juni, Juli 1986**

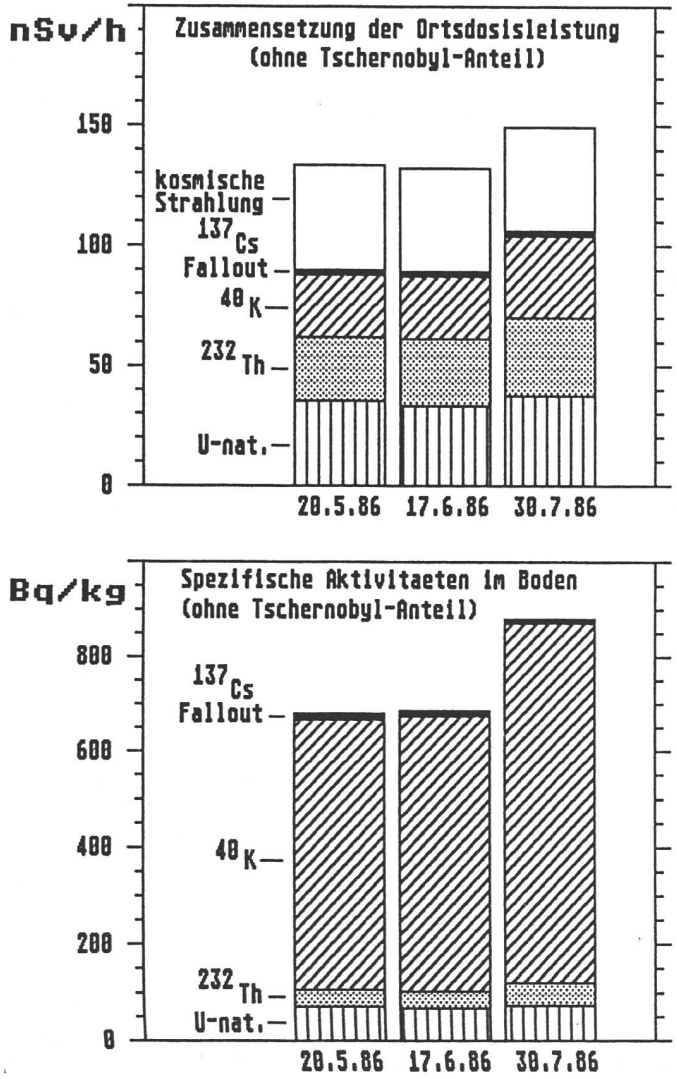



**Fig.5.16.q:"in-situ" Messungen mit tragbarem Germanium-Detektor in Magadino(TI) Mai, Juni, Juli 1986**

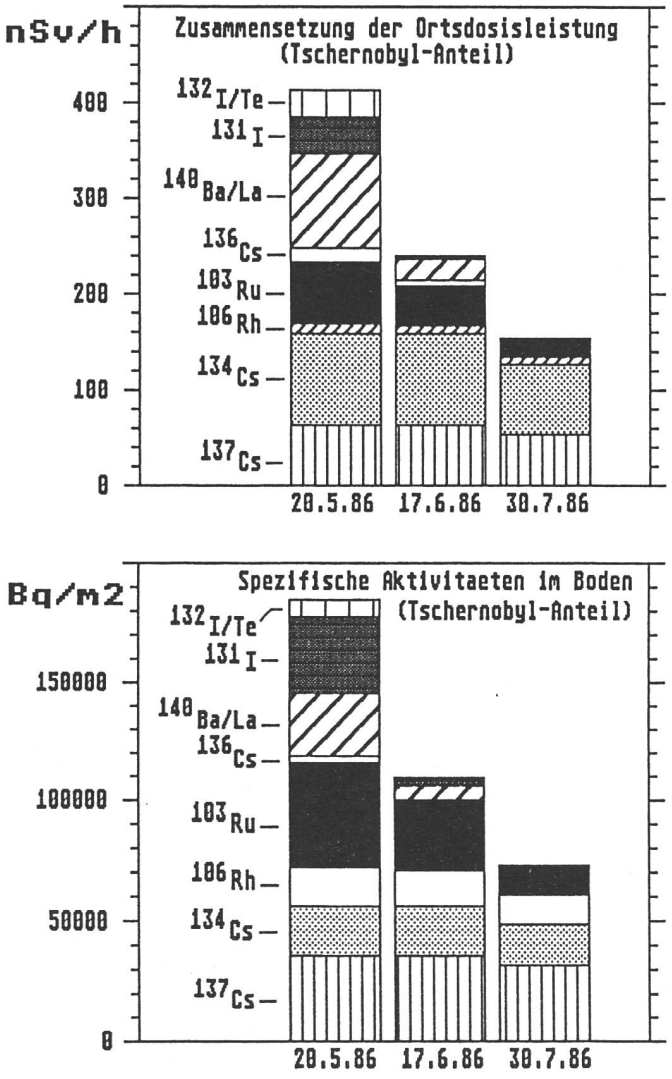


**Fig.5.16.r:"in-situ" Messungen mit tragbarem Germanium-Detektor in Breganzona(TI) Mai,Juni,Juli 1986**

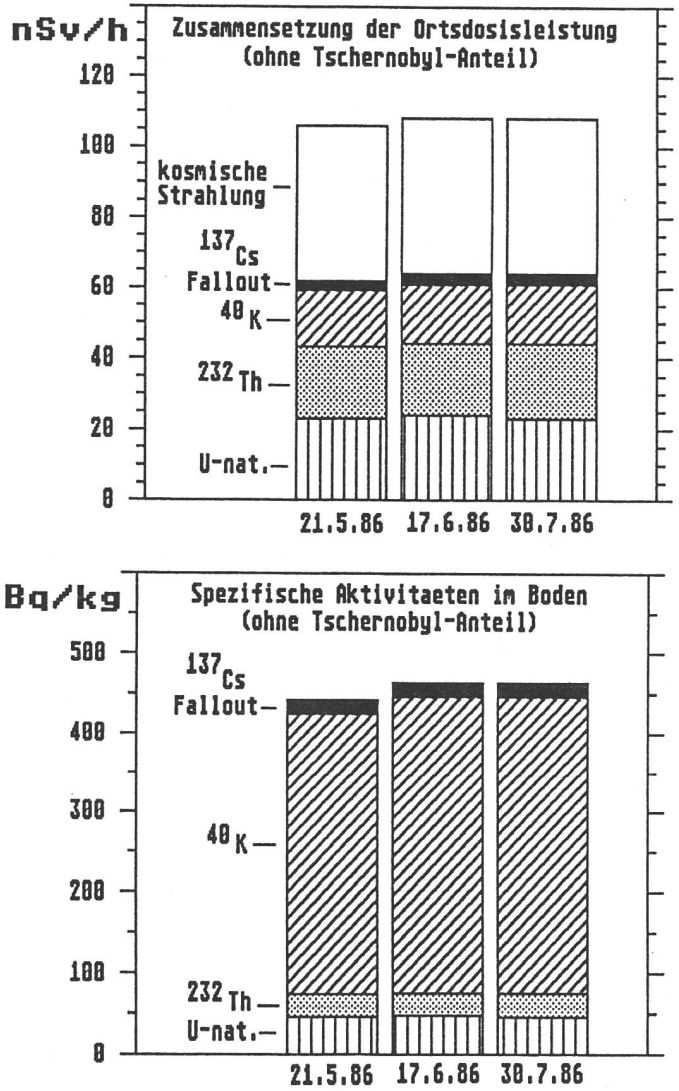



**Fig.5.16.s:"in-situ" Messungen mit tragbarem Germanium-Detektor in Breganzona(TI) Mai,Juni,Juli 1986**

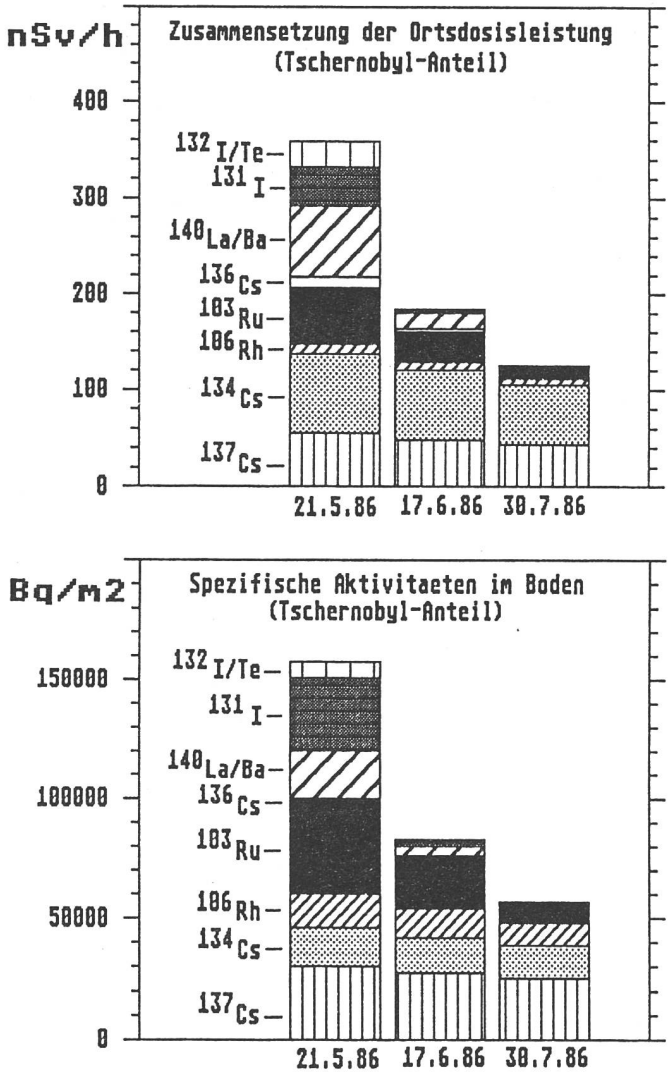


**Fig.5.16.t:"in-situ" Messungen mit tragbarem Germanium-Detektor in Caslano(TI) Mai, Juni, Juli 1986**

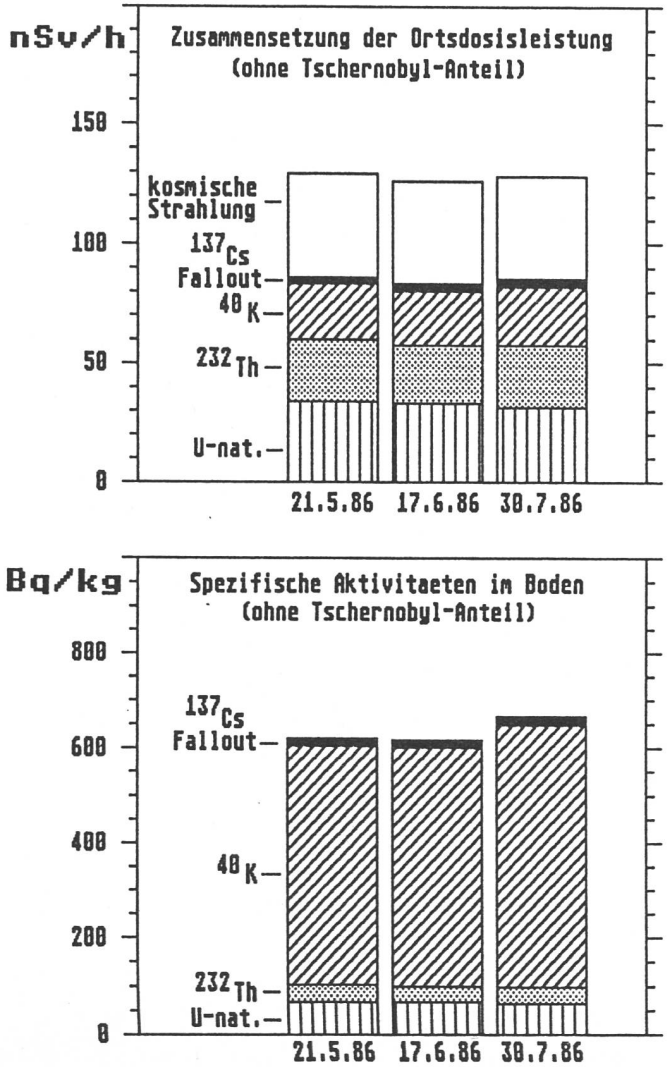



**Fig.5.16.u:"in-situ" Messungen mit tragbarem Germanium-Detektor in Caslano(TI) Mai, Juni, Juli 1986**

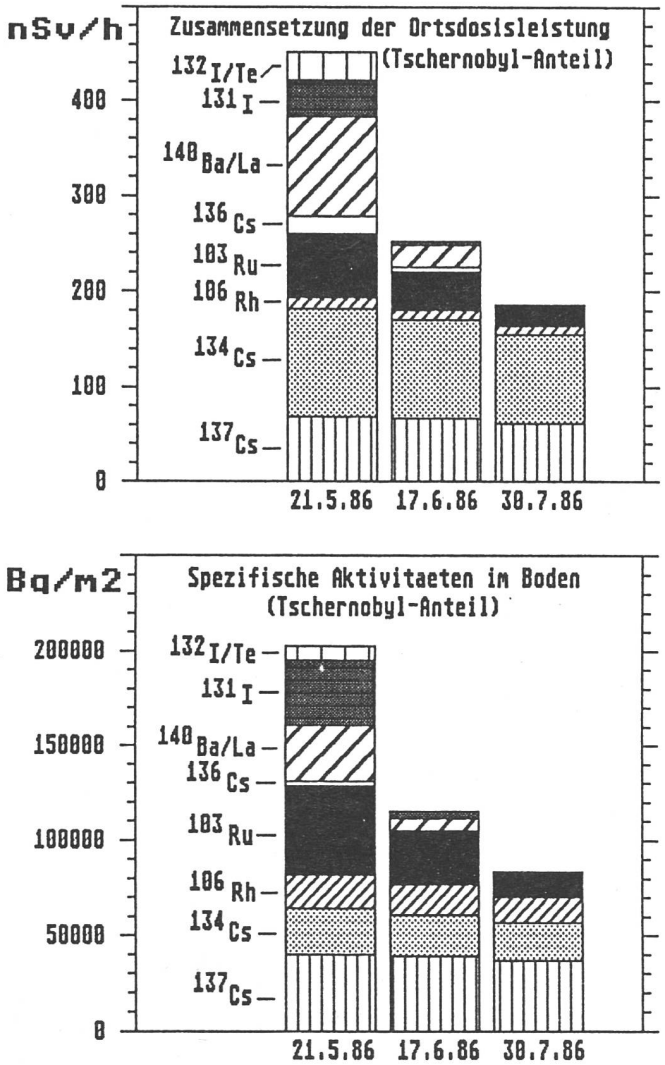


**Fig.5.16.v:** "in-situ" Messungen mit tragbarem Germanium-Detektor in Genestrerio(TI) Mai, Juni, Juli 1986

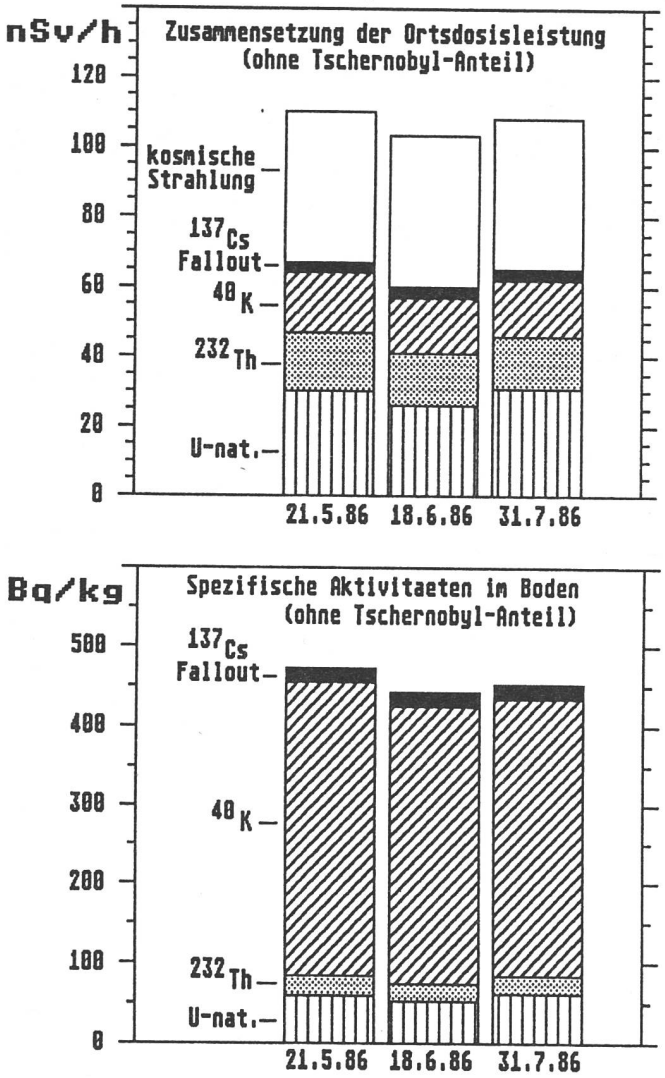



**Fig.5.16.w:** "in-situ" Messungen mit tragbarem Germanium-Detektor in Genestrerio(TI) Mai, Juni, Juli 1986

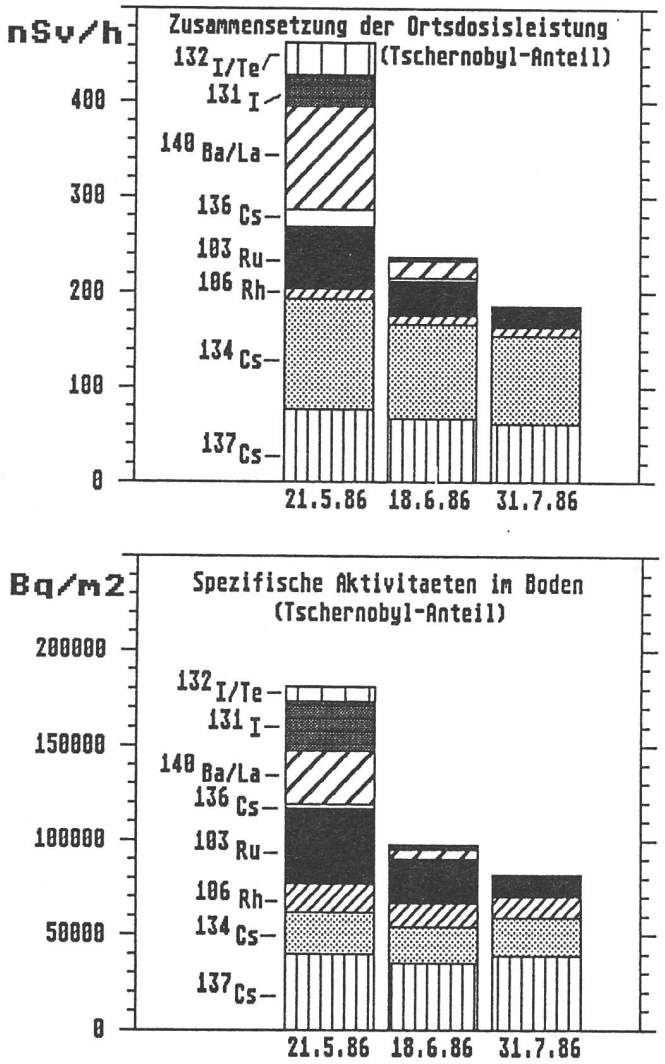
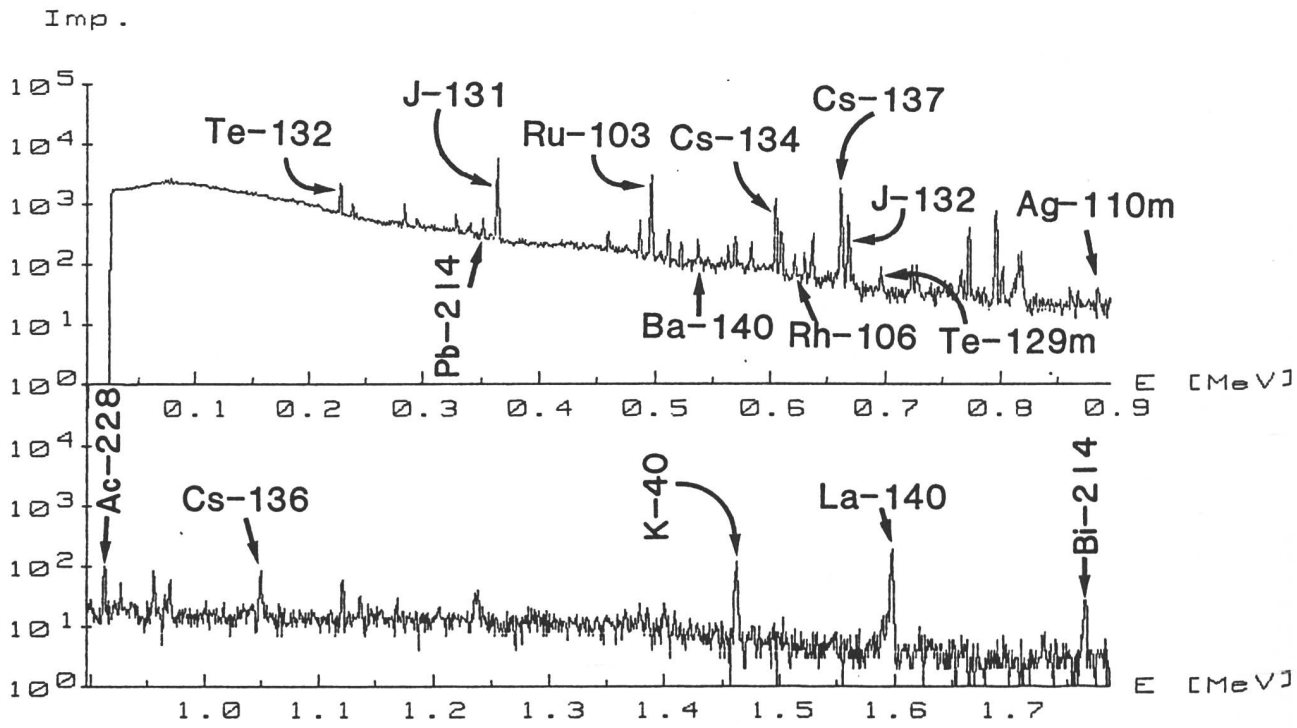


Fig. 5.16.x: In Situ-Gamma-Spektroskopie nach dem Unfall Tschernobyl.

LA HAUTE BORNE (JU) 15.5.86 2000 s

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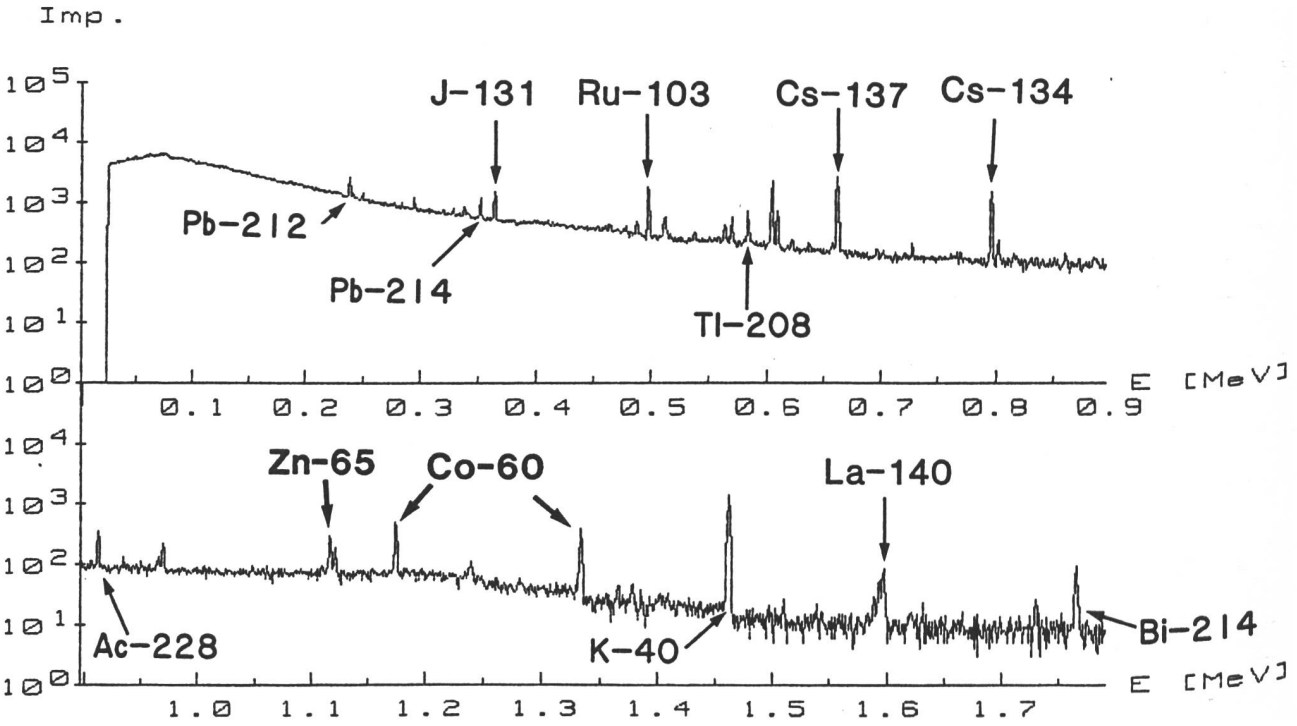


Fig.5.17.a: Cs-137-Konzentration im Bodensee

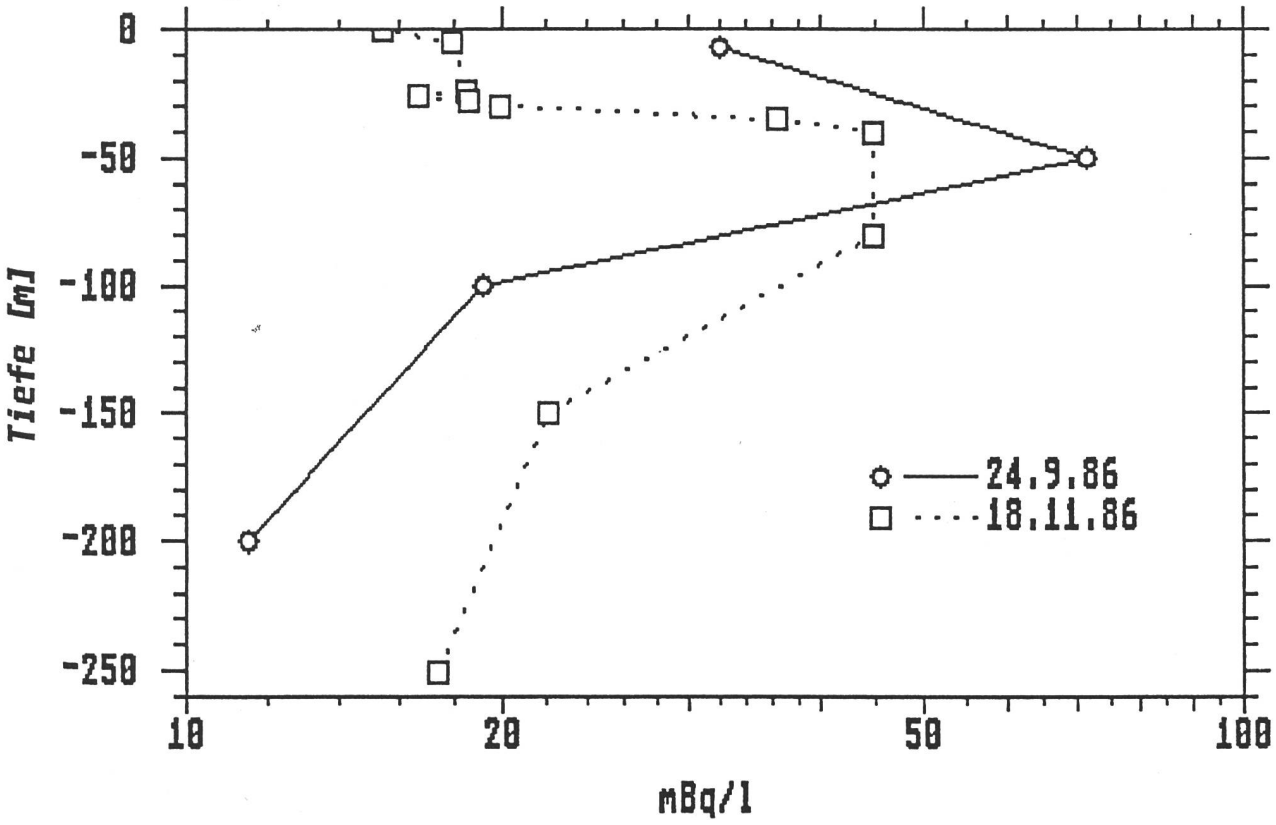



Fig.5.17.b: Cs-137-Konzentration im Sempachersee

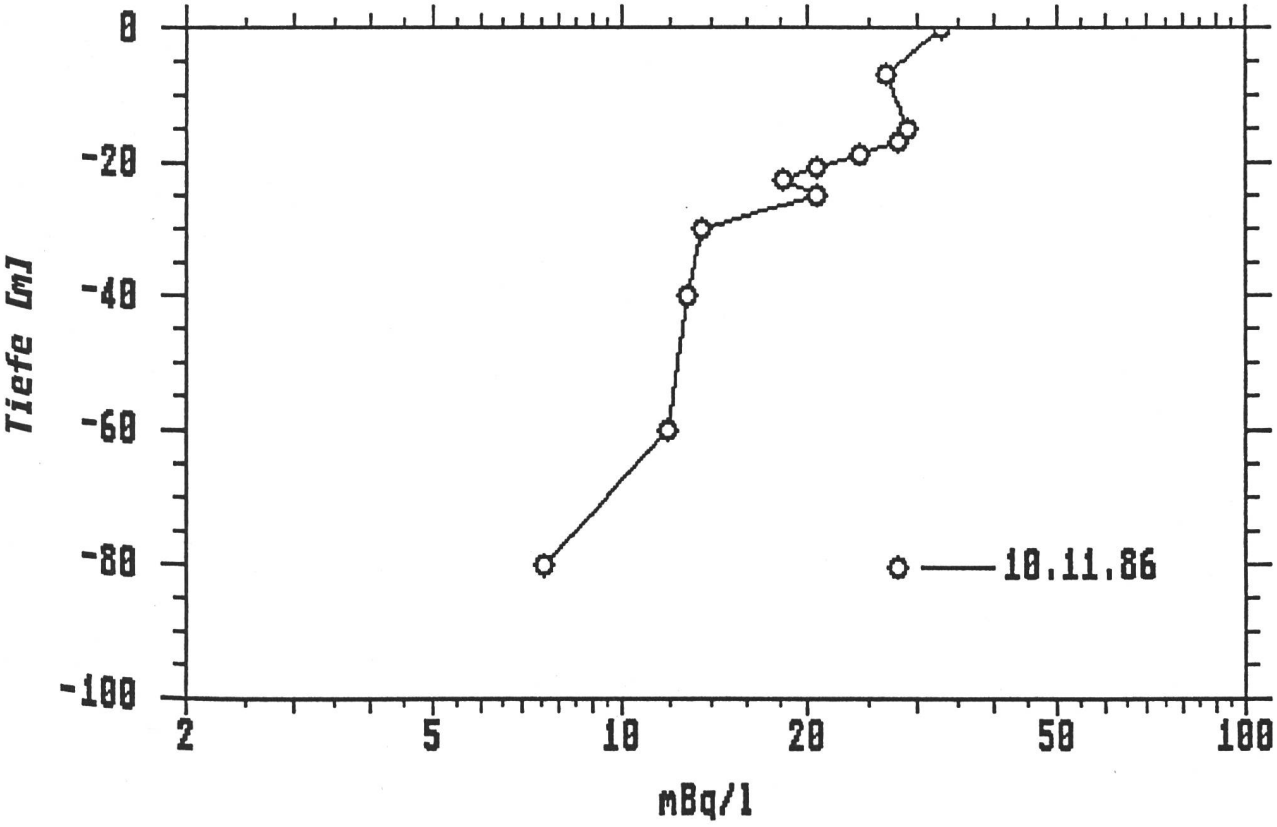


Fig.5.17.c: Cs-137-Konzentration im ZÜrichsee

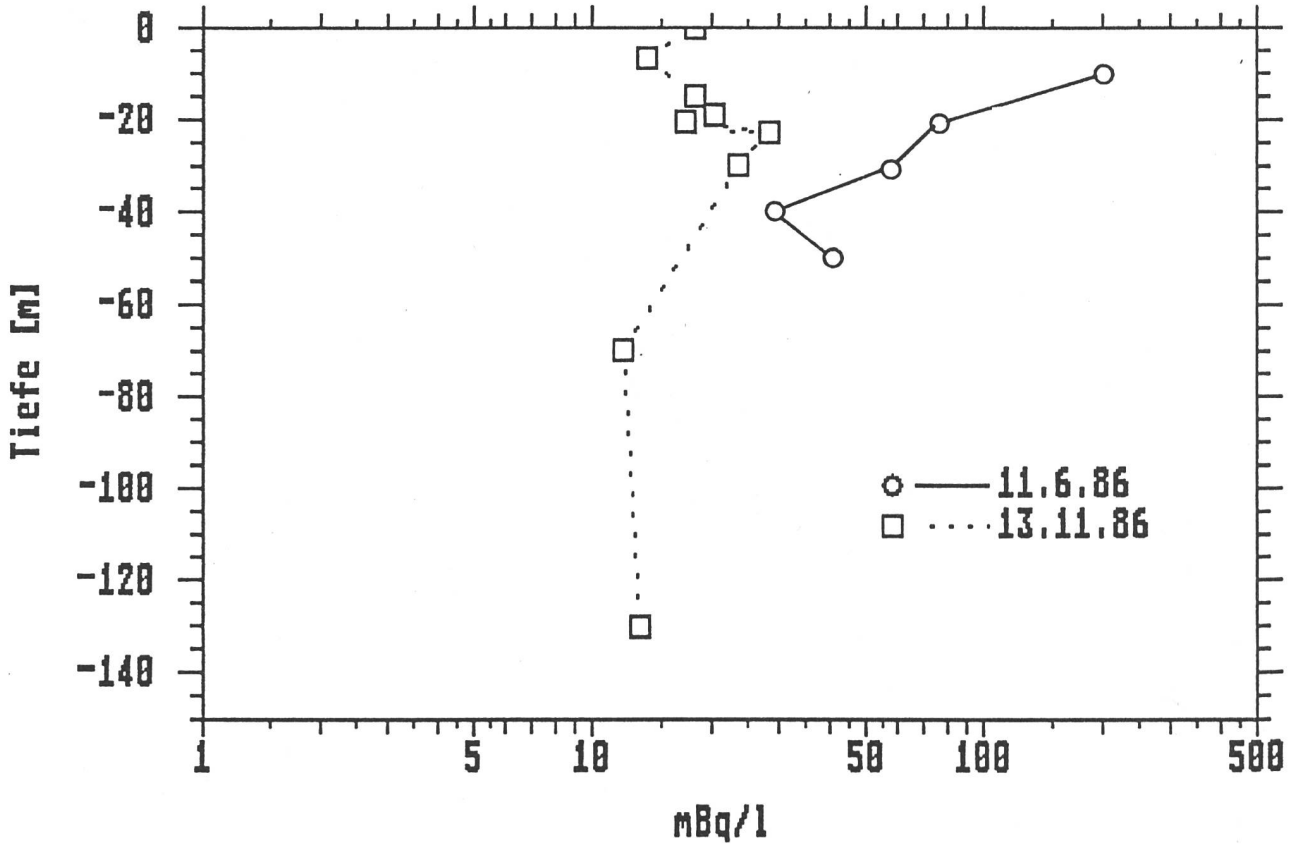



Fig.5.17.d: Cs-137-Konzentration im Luganersee

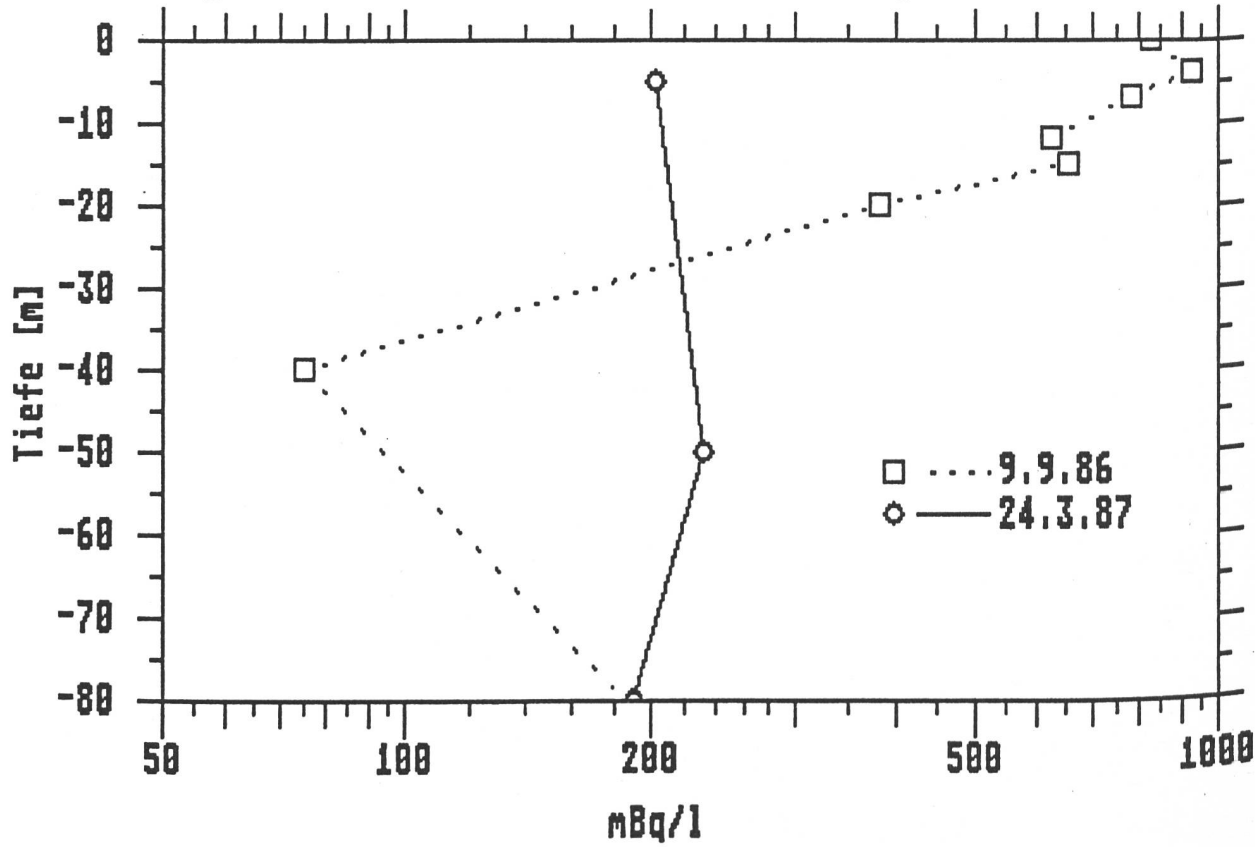


Fig.5.18.a.1: Cs-137 in der Kuhmilch des Tessins 1986/87

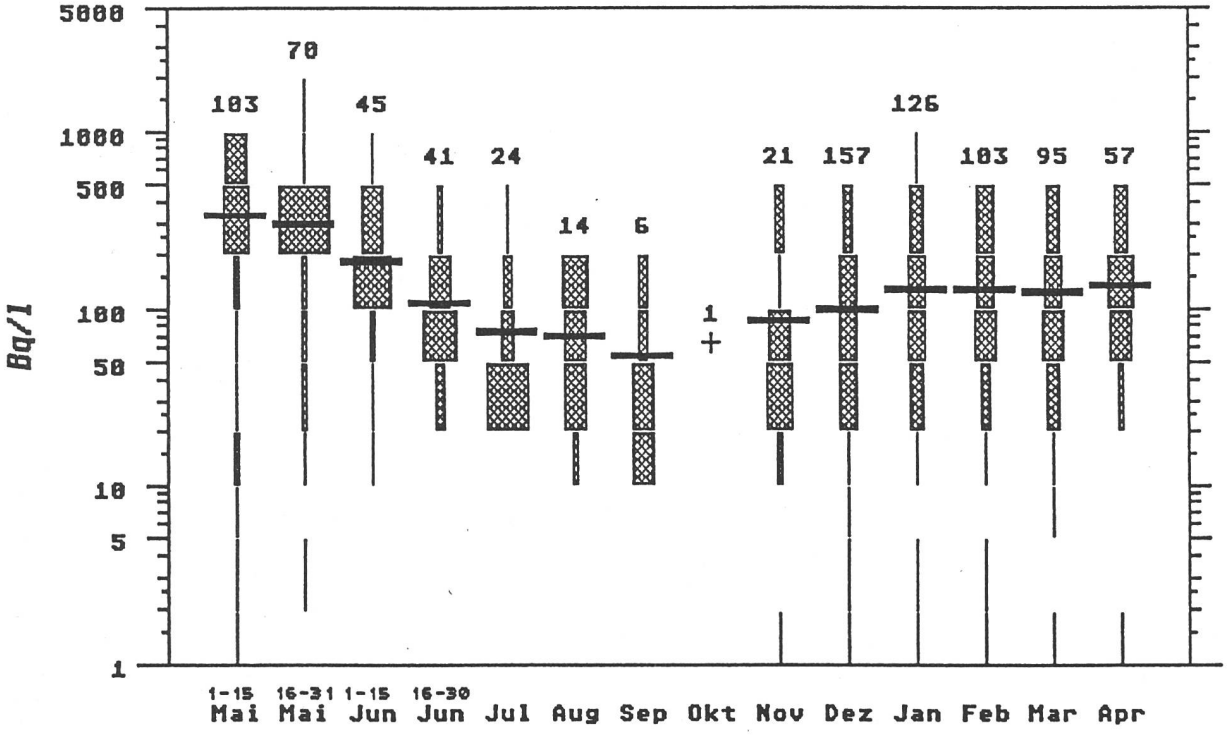



Fig.5.18.a.2: I-131 in der Kuhmilch des Tessins 1986

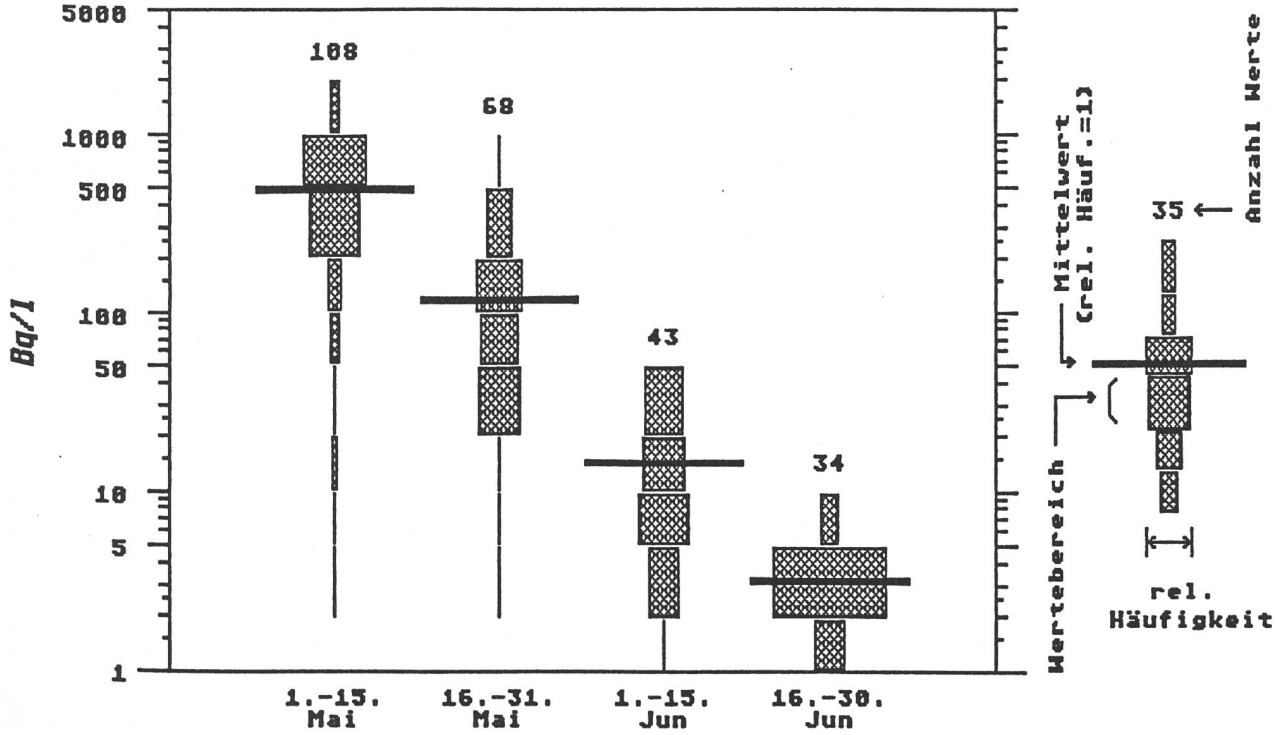


Fig.5.18.b.1: Cs-137 in der Kuhmilch der Ostschweiz 1986/87

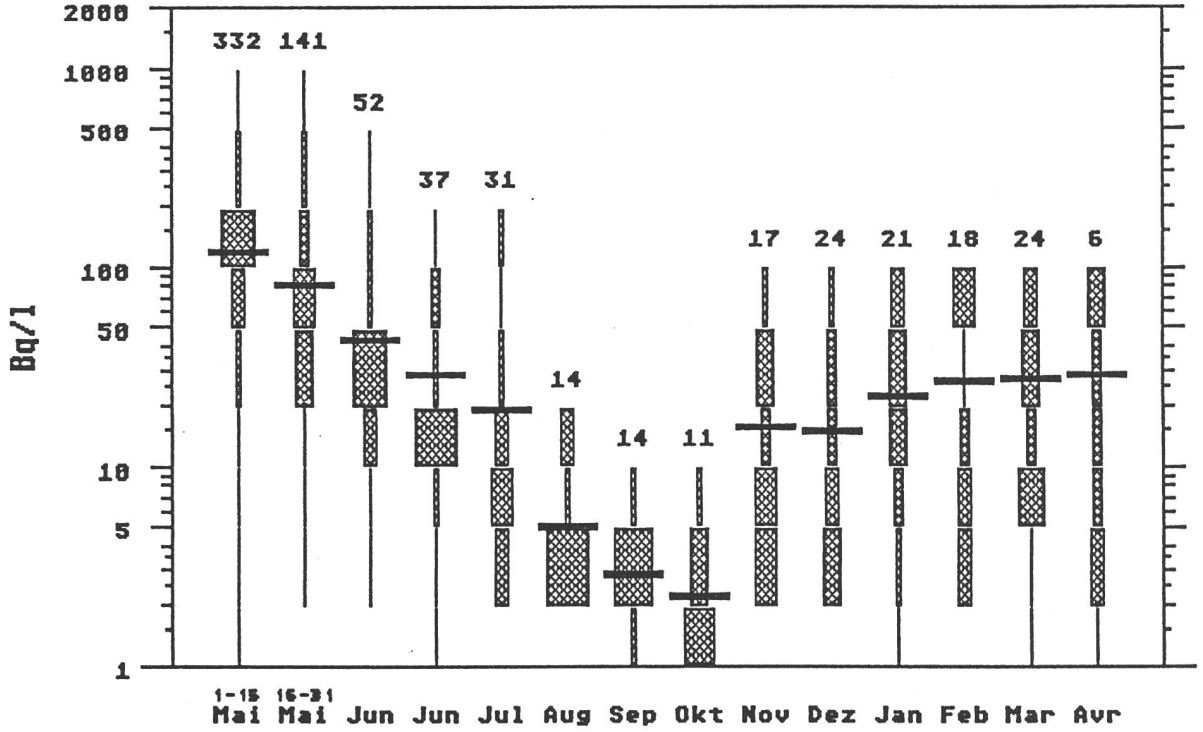



Fig.5.18.b.2: I-131 in der Kuhmilch der Ostschweiz 1986

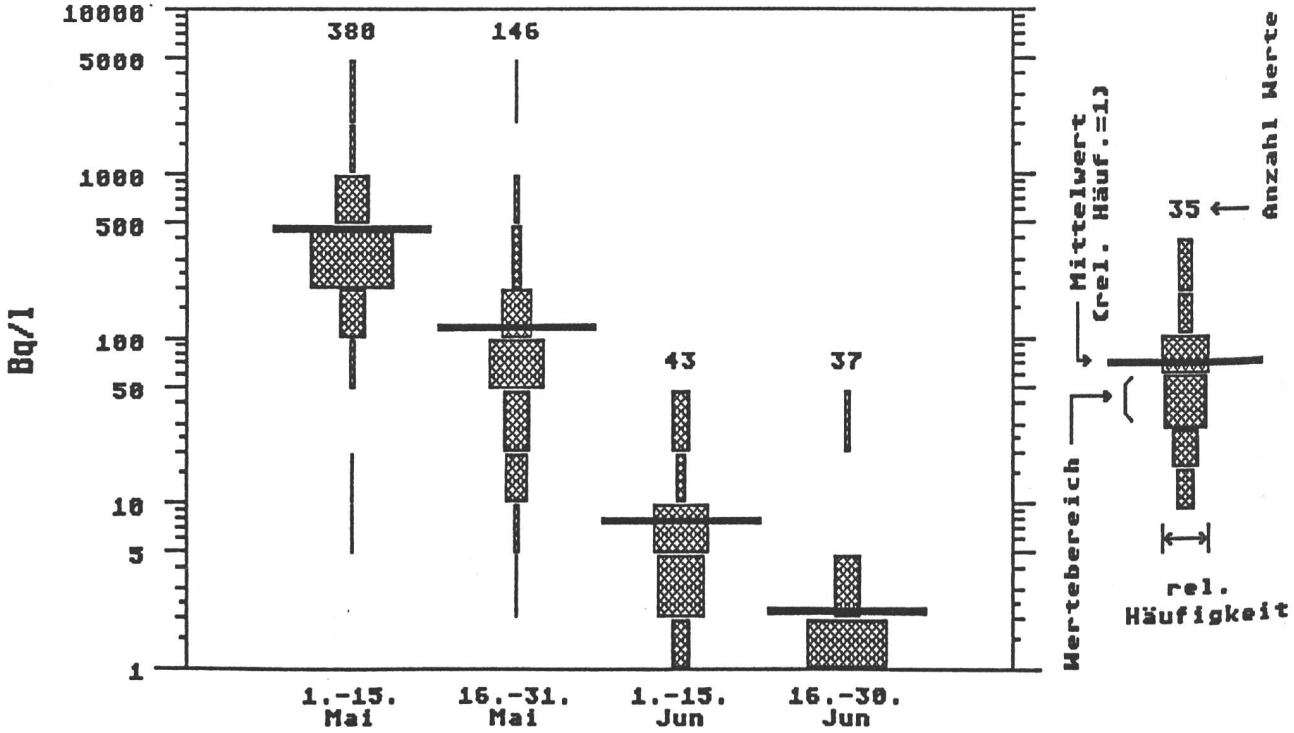


Fig.5.18.c.1: Cs-137 in der Kuhmilch der Zentral- und Nordschweiz 1986/87

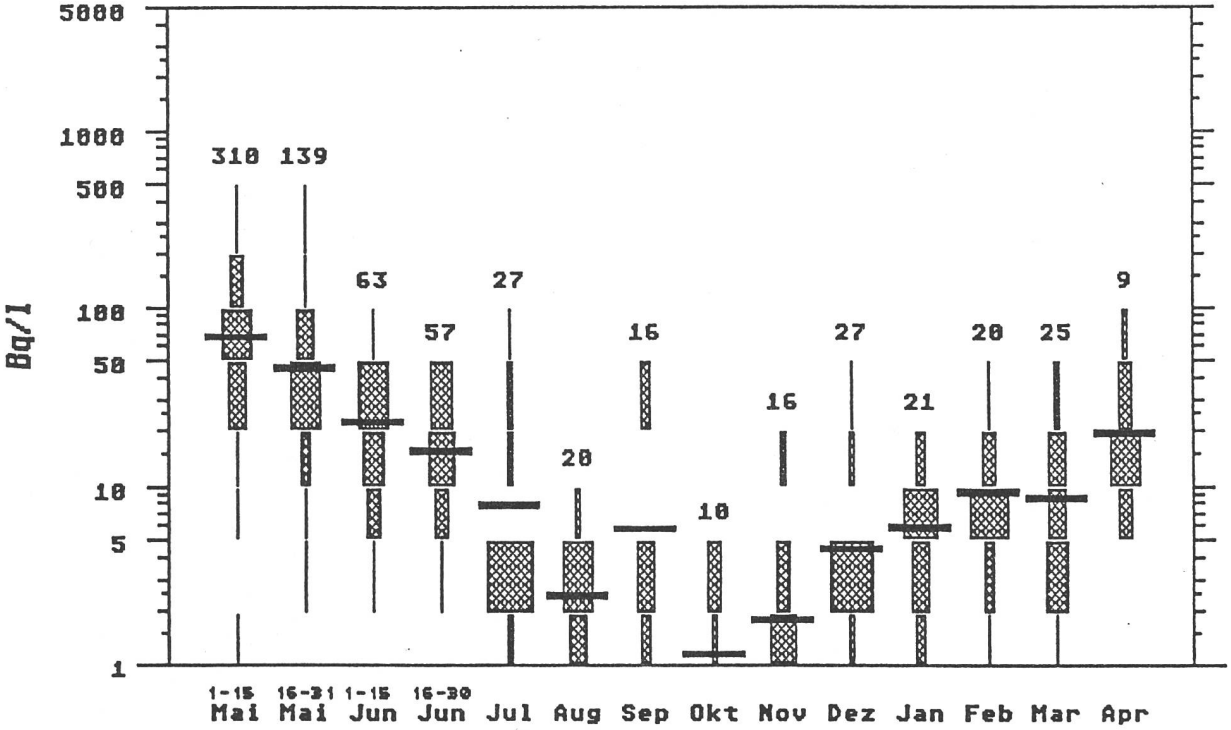



Fig.5.18.c.2: I-131 in der Kuhmilch der Zentral- und Nordschweiz 1986

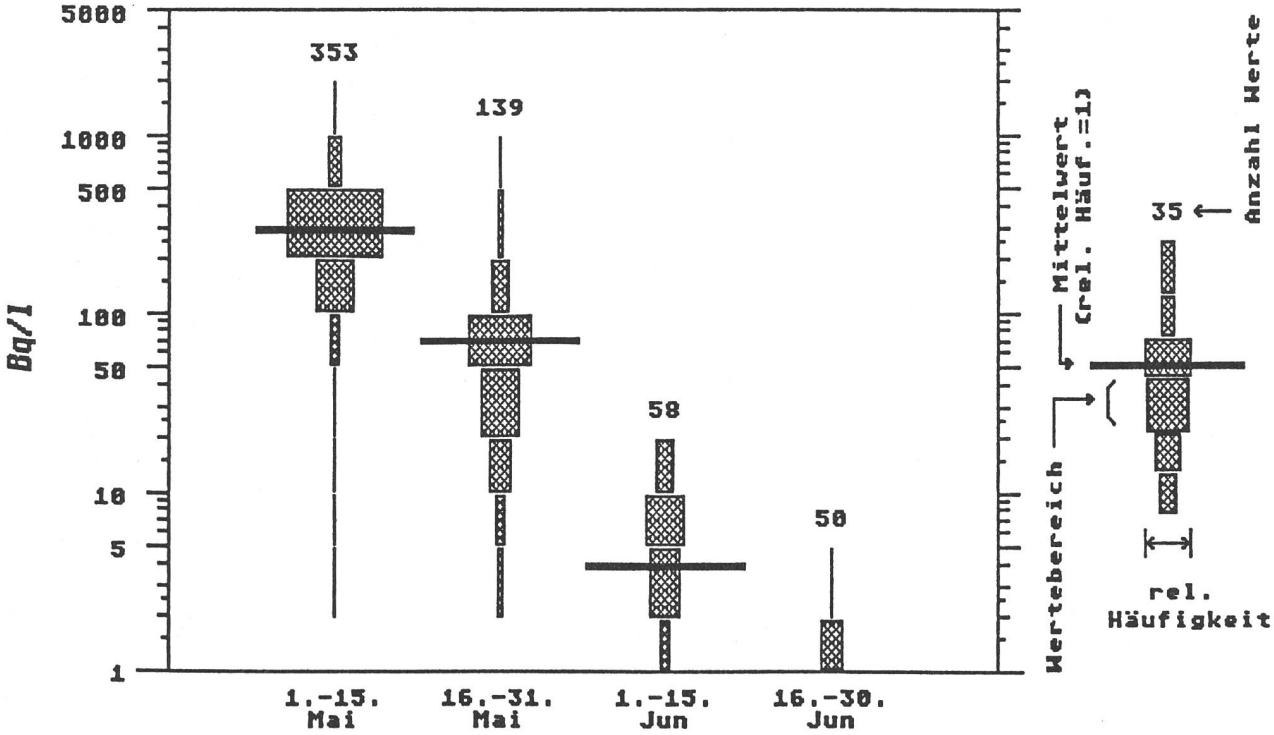


Fig.5.18.d.1: Cs-137 in der Kuhmilch der Westschweiz 1986/87

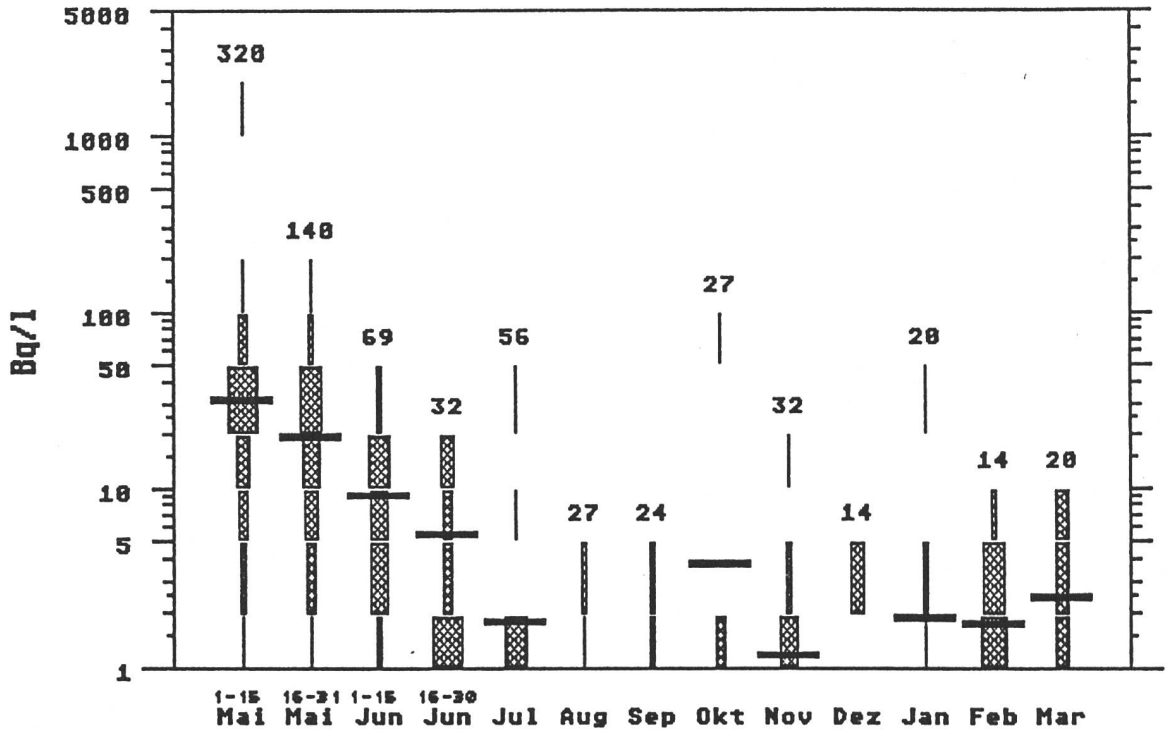



Fig.5.18.d.2: I-131 in der Kuhmilch der Westschweiz 1986

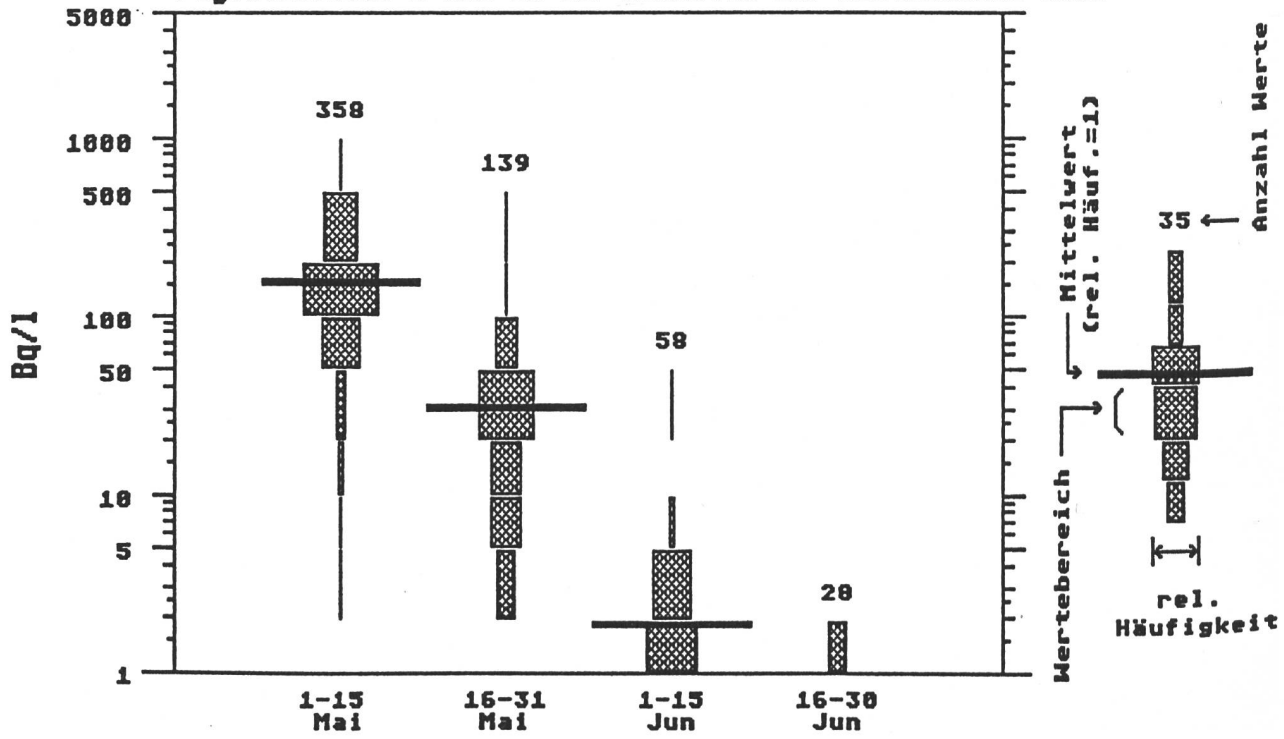


Fig.5.19.a: Cs-137 in Kuhmilch aus Graubünden; 1986/87

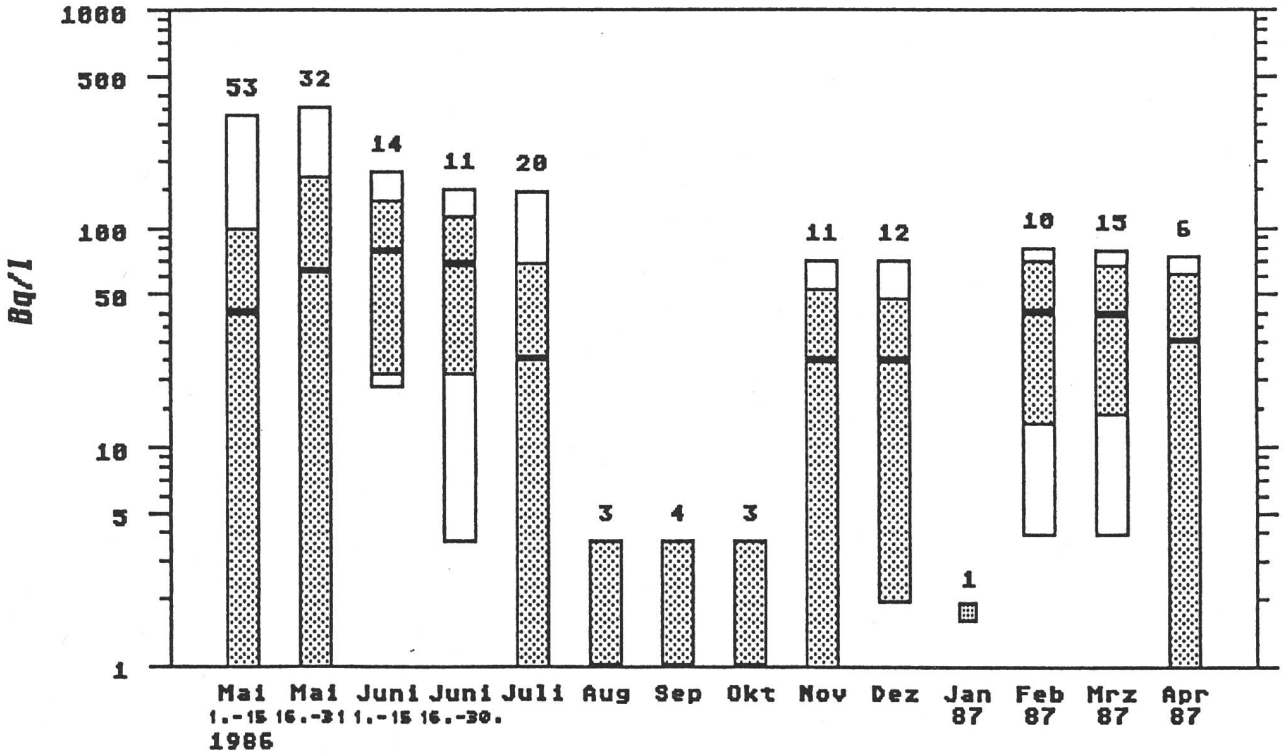



Fig.5.19.b: J-131 in Kuhmilch aus Graubünden; 1986

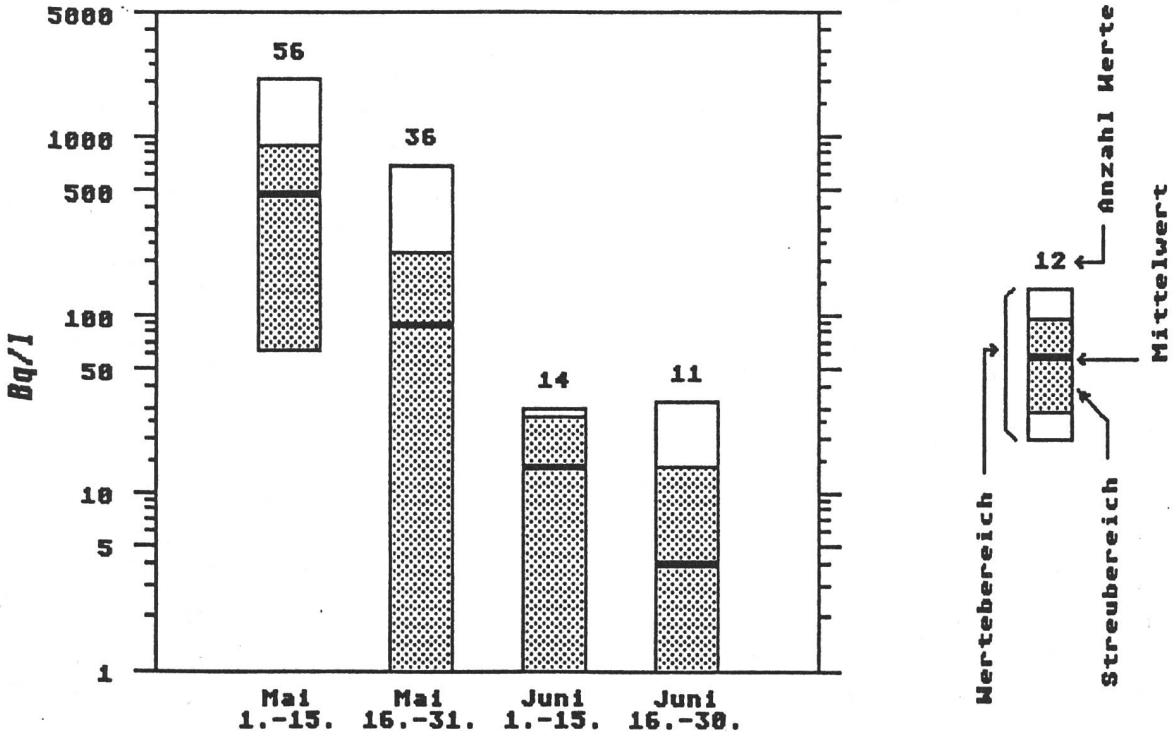


Fig.5.19.c: Cs-137 in Kuhmilch Nord-West-Schweiz (BL,BS,SO); 1986/87

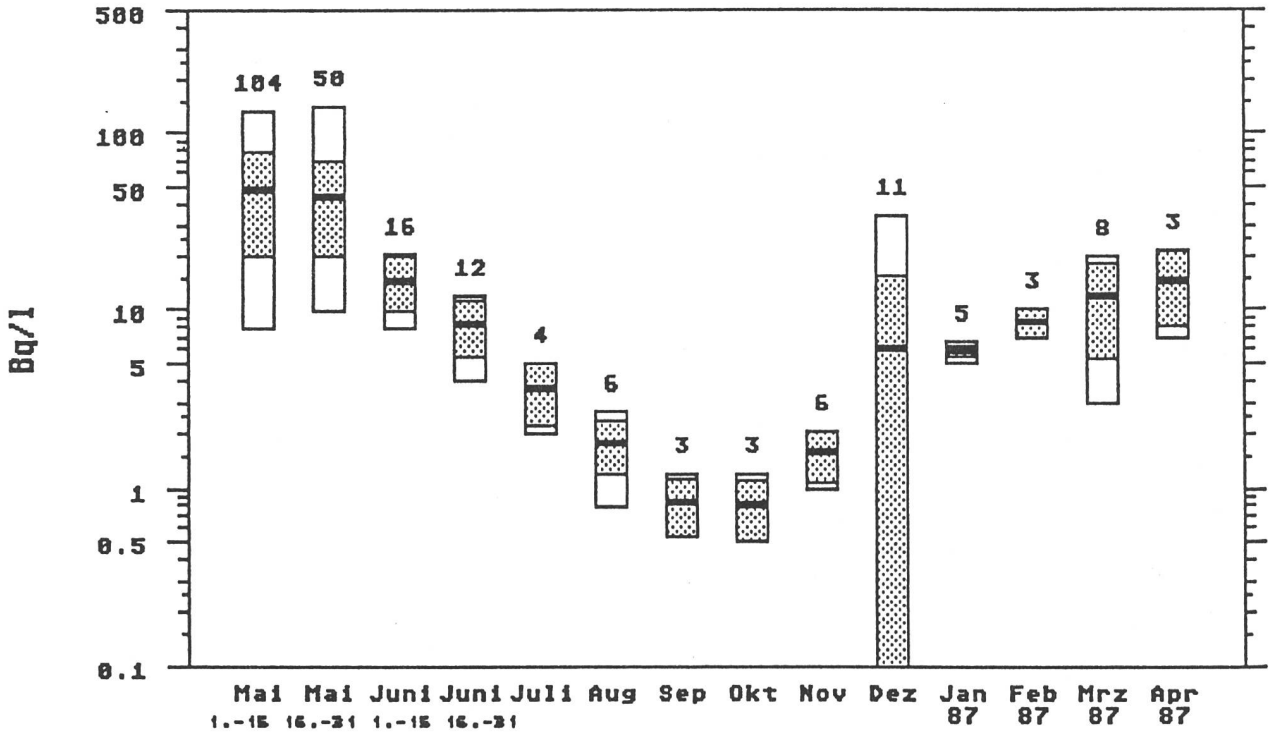



Fig. 5.19.d: J-131 in Kuhmilch Nord-West-Schweiz (BL,BS,SO); 1986

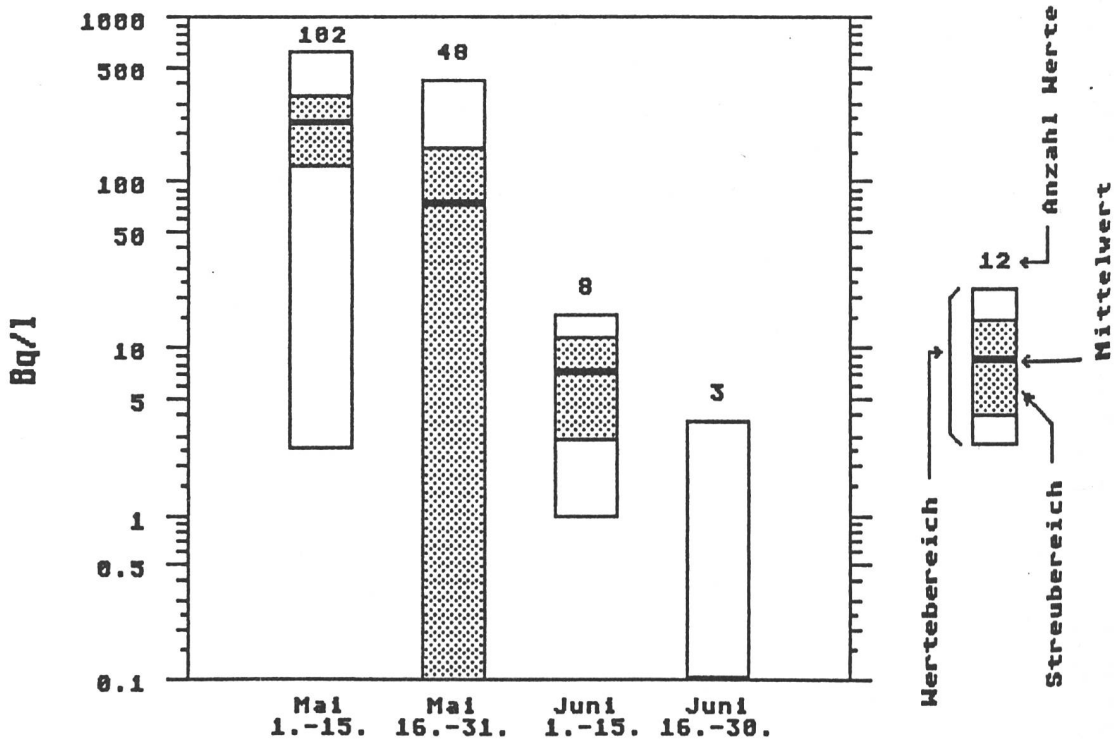


Fig. 5.20.a: Radionuklide in Milch und Gras von einem Hof aus Hermikon/ZH

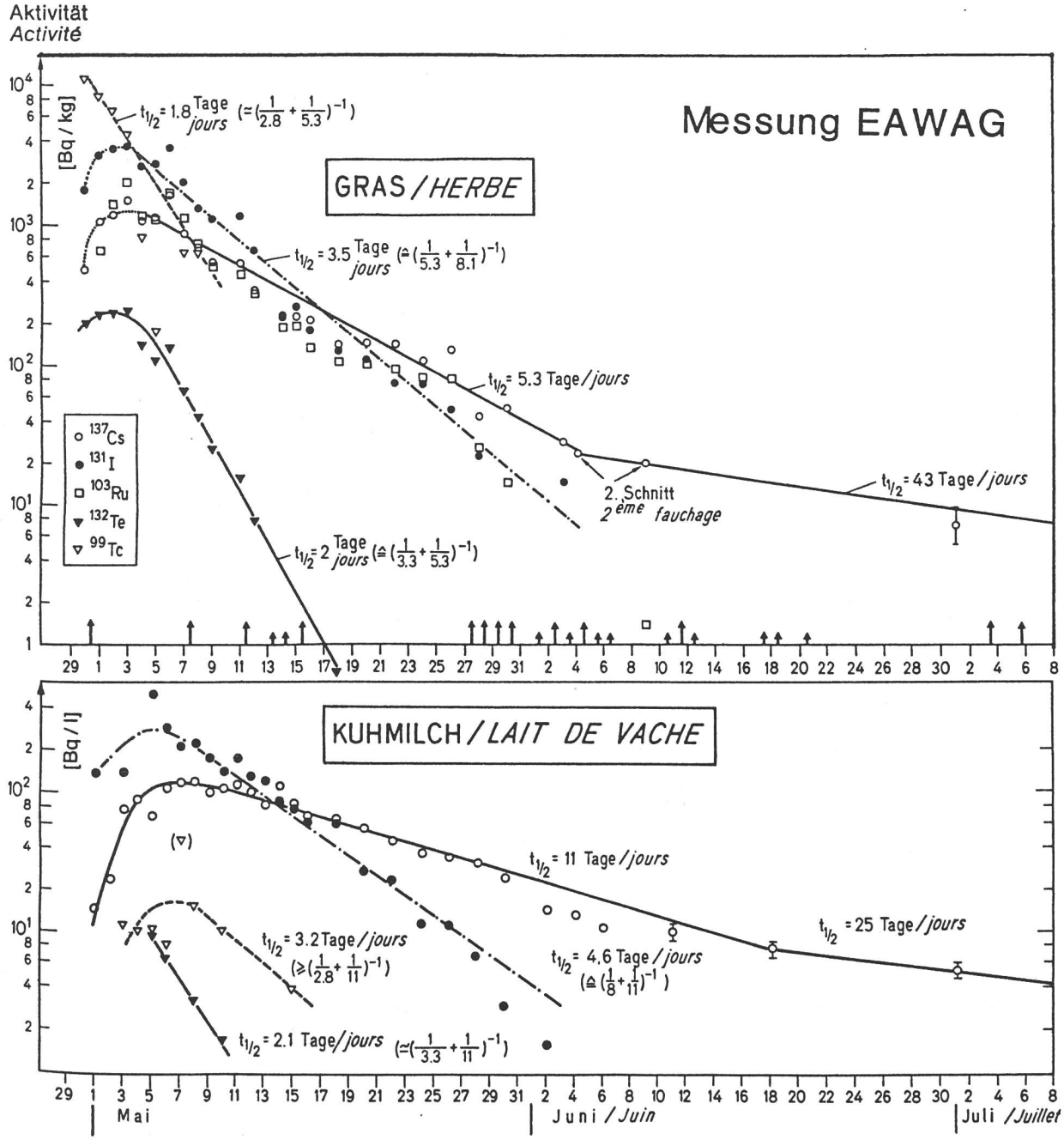


Fig.5.20.b: Radionuklide in Frischmilch
aus Grangeneuve/FR

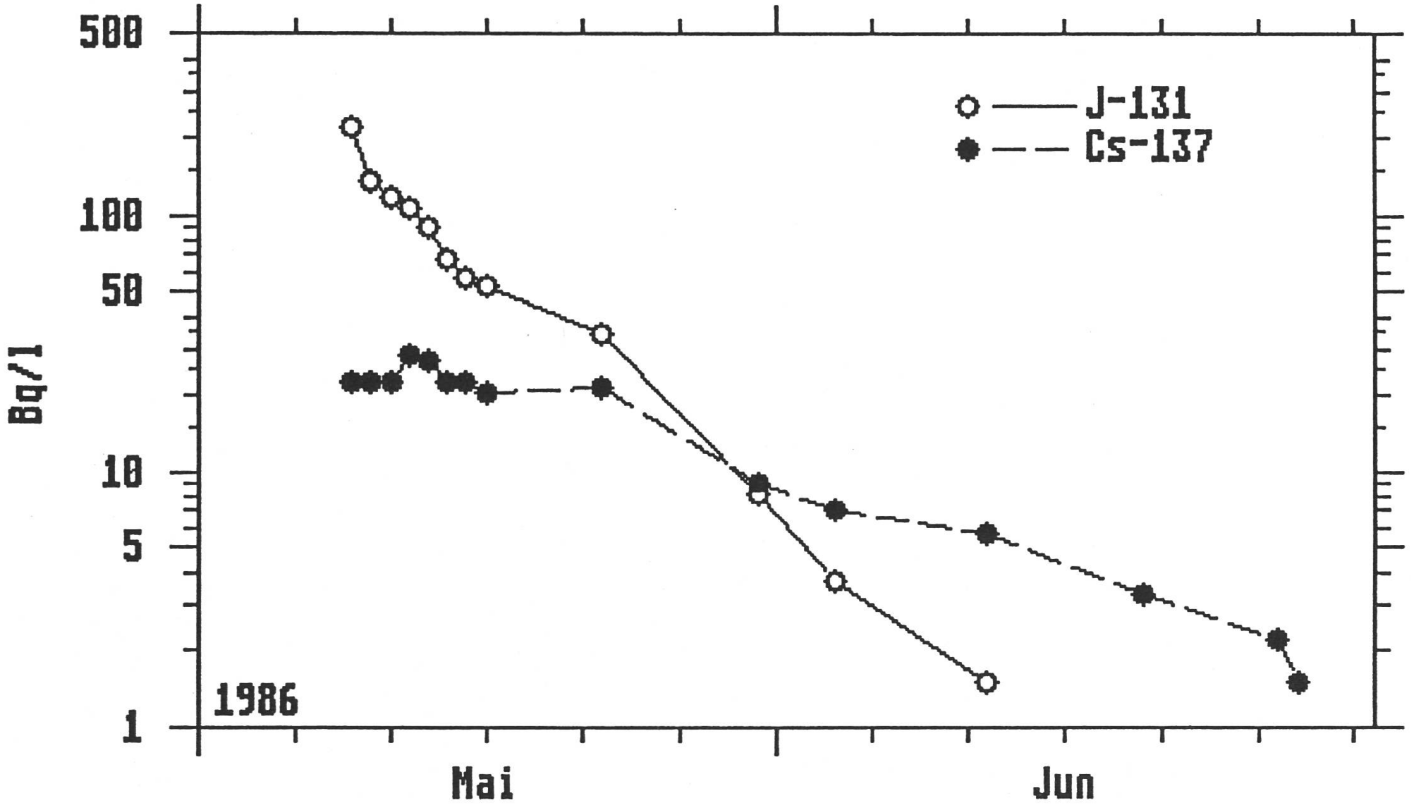


*Fig. 5.20.c:*

# RADIONUKLIDE IN DER MILCH AUS OBERBÖZBERG

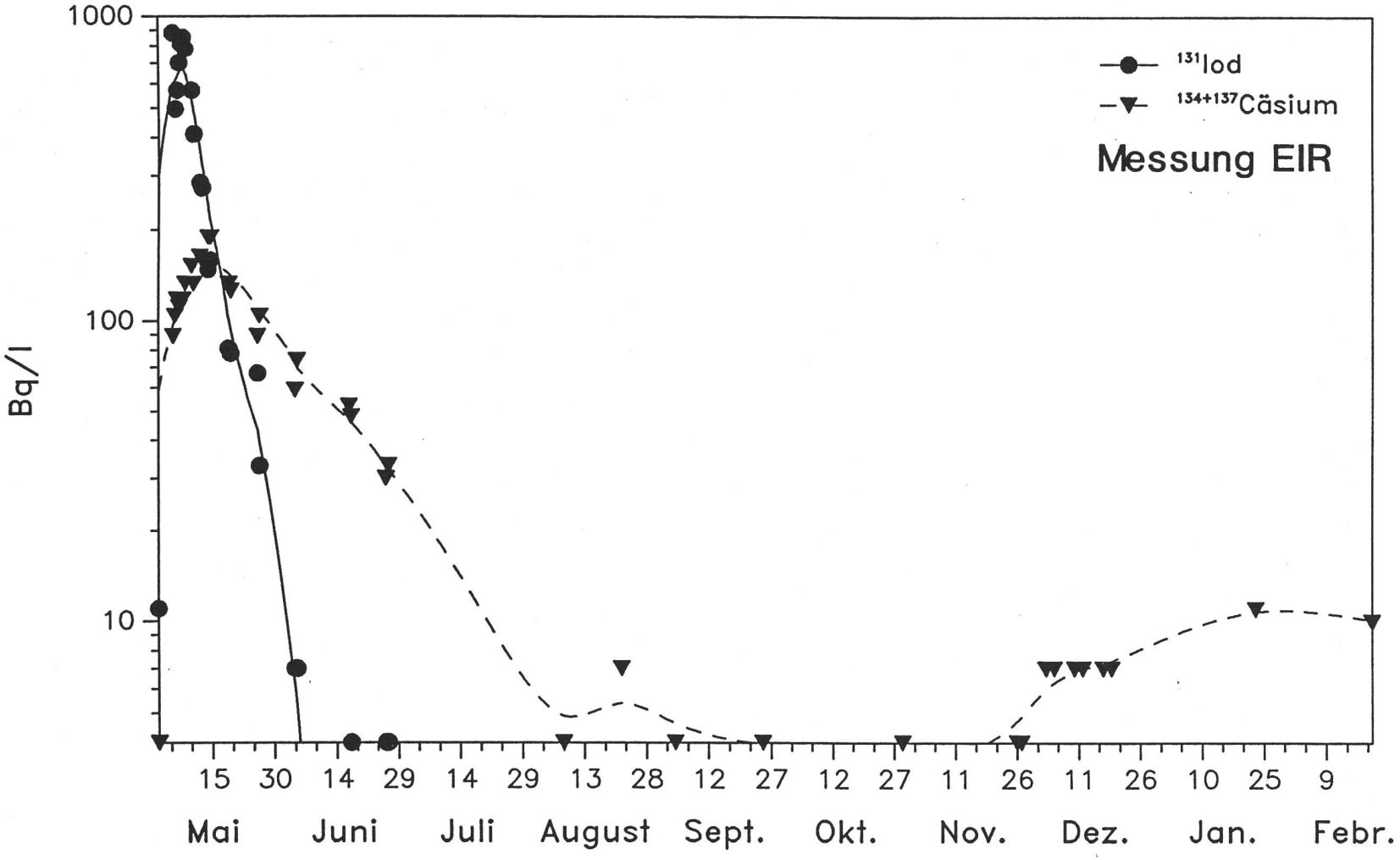


Fig.5.20.d: Radionuklide in der Milch aus Alta Leventina + Valle Blenio/TI

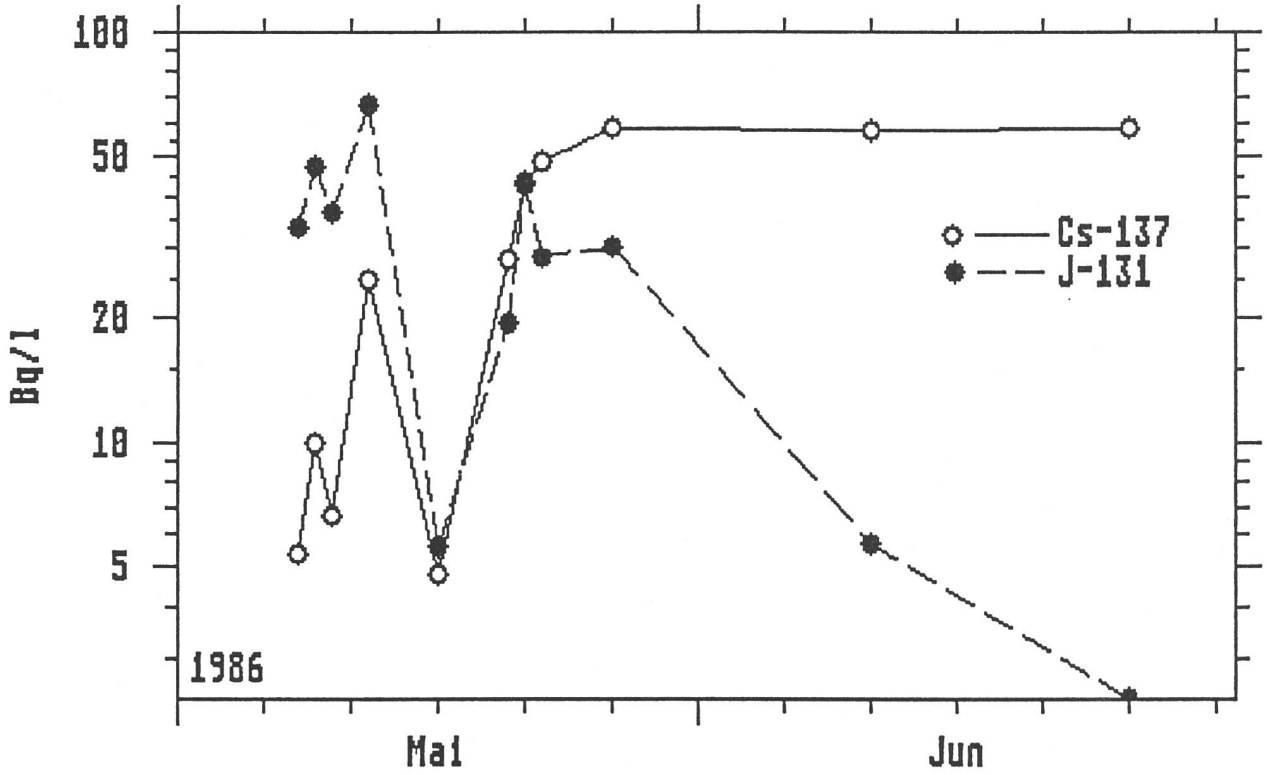



Fig.5.20.e: Radionuklide in der Milch aus Rancate/TI

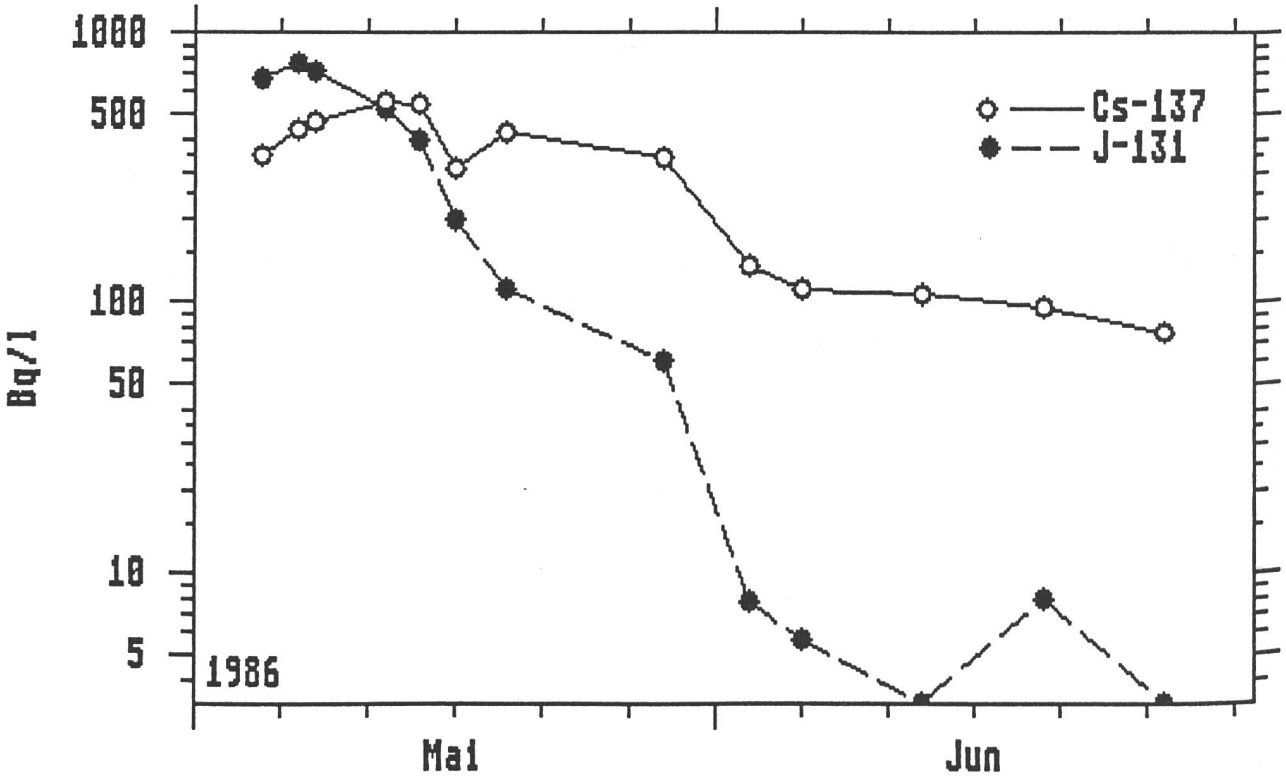


Fig.5.20.f: Radionuklide in der Milch
aus Breganzona/TI

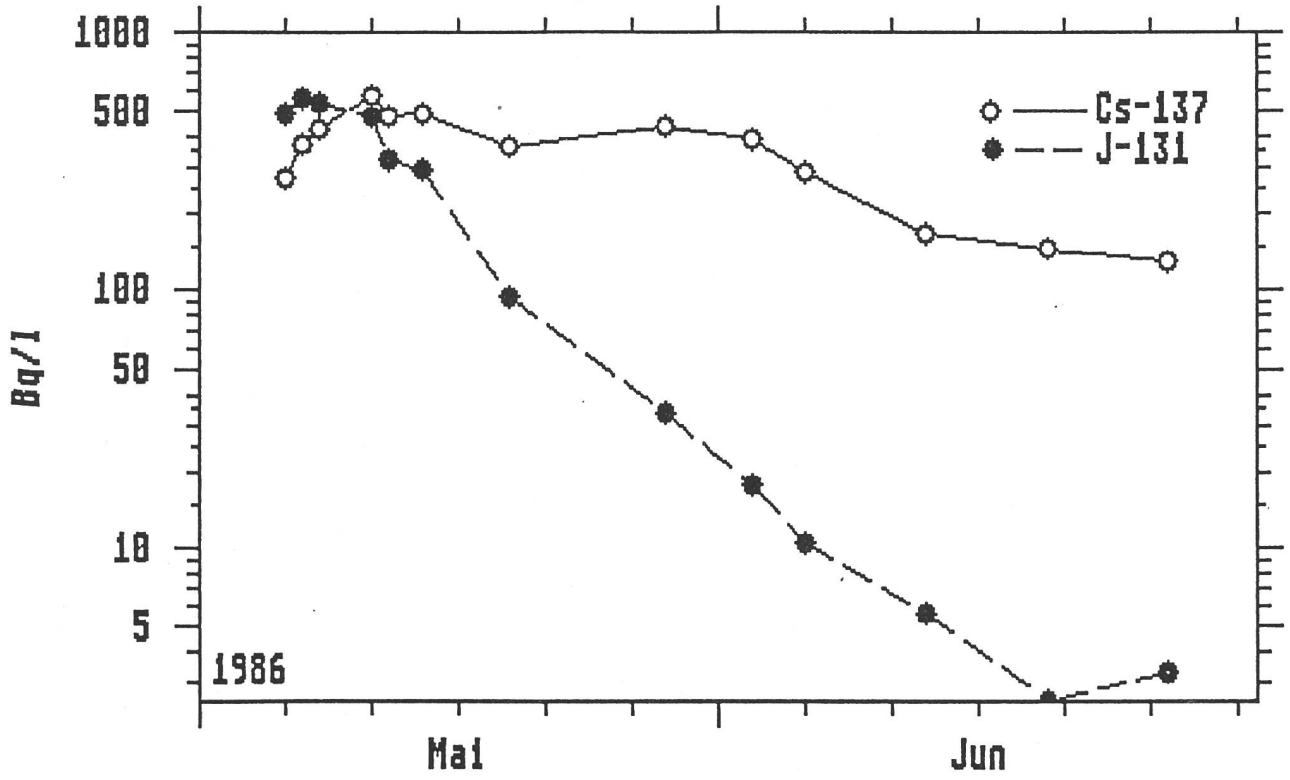



Fig.5.20.g: Radionuklide in der Milch
aus Novazzano/TI

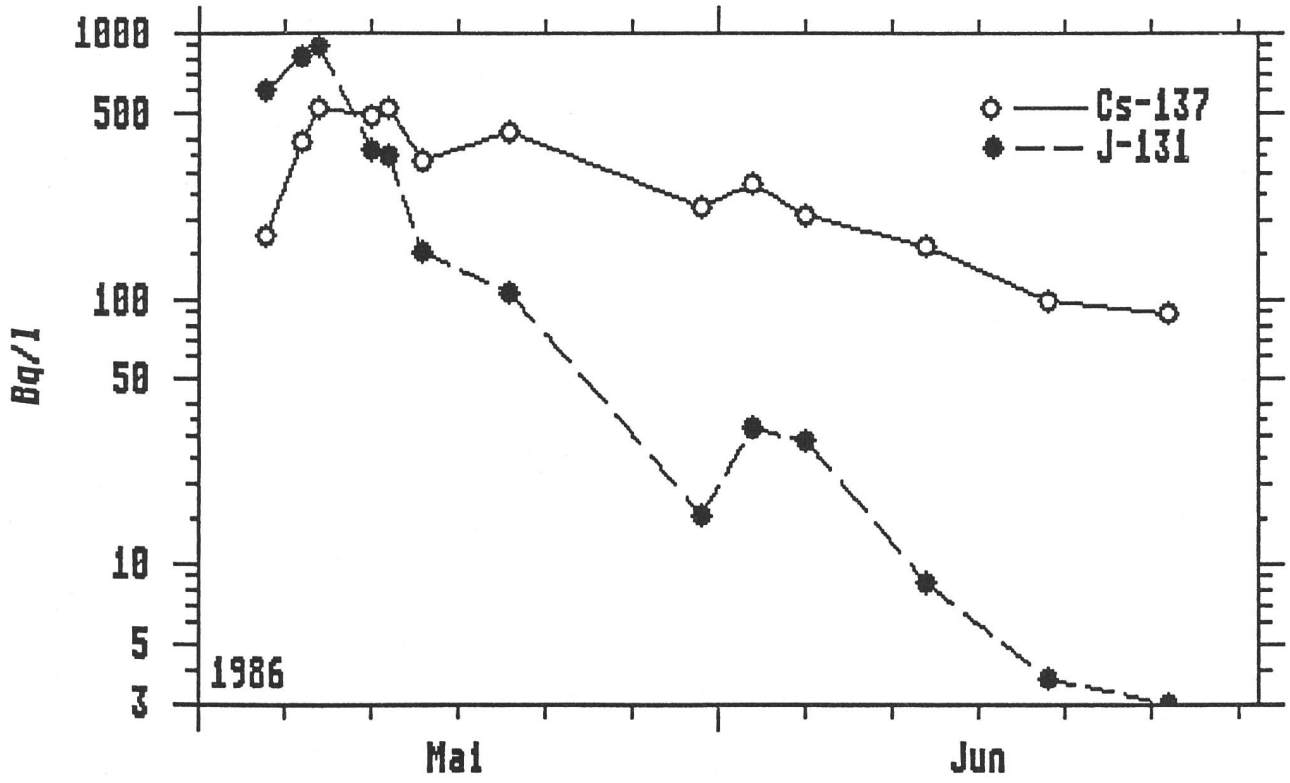


Fig.5.20.h: Radionuklide in der Milch aus Sessa/TI

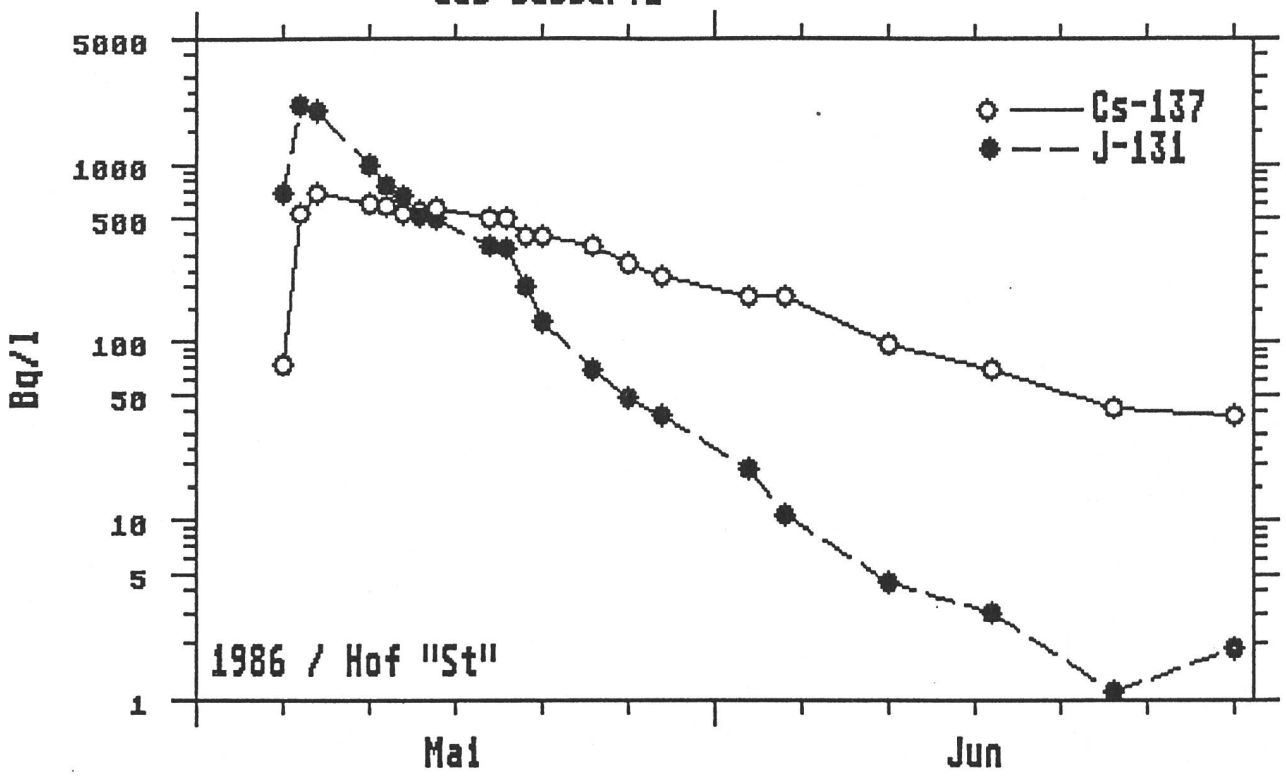



Fig.5.20.i: Radionuklide in der Milch aus Sessa/TI

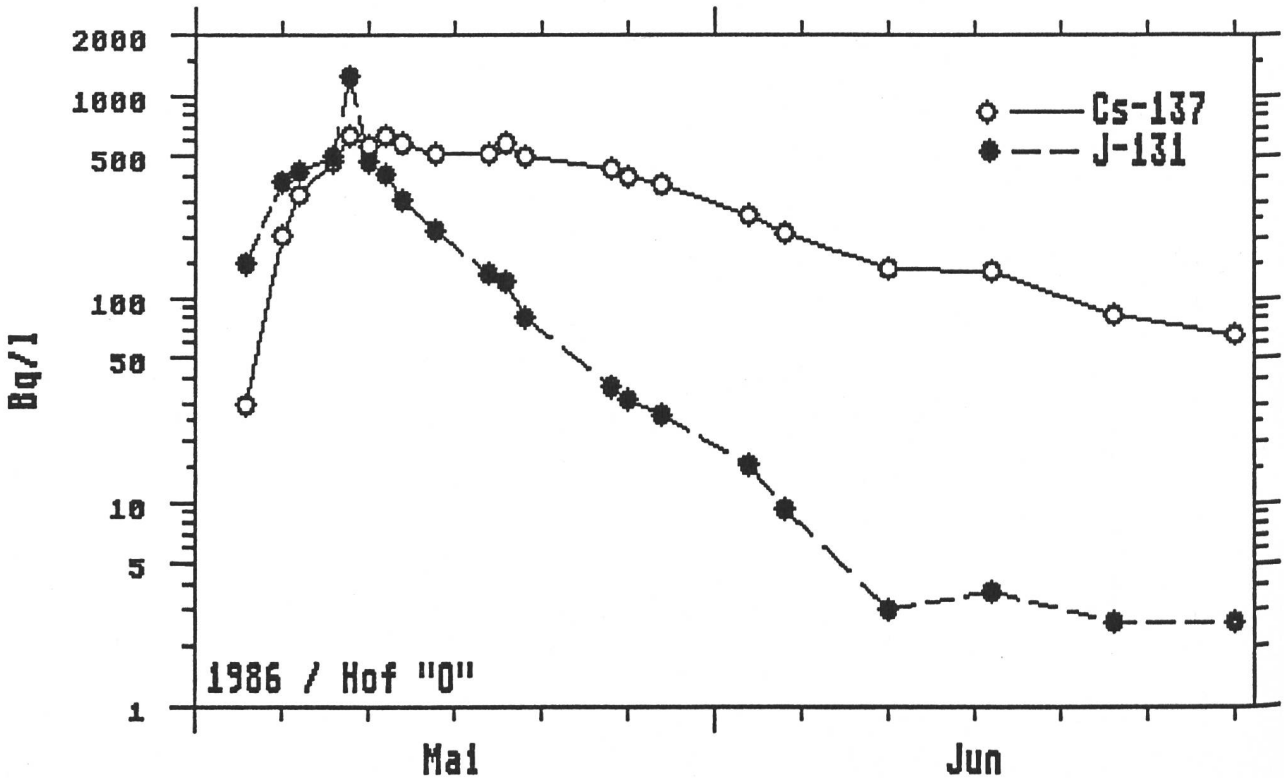


Fig.5.20.k: Radionuklide in der Milch
aus Guschelmuth/FR

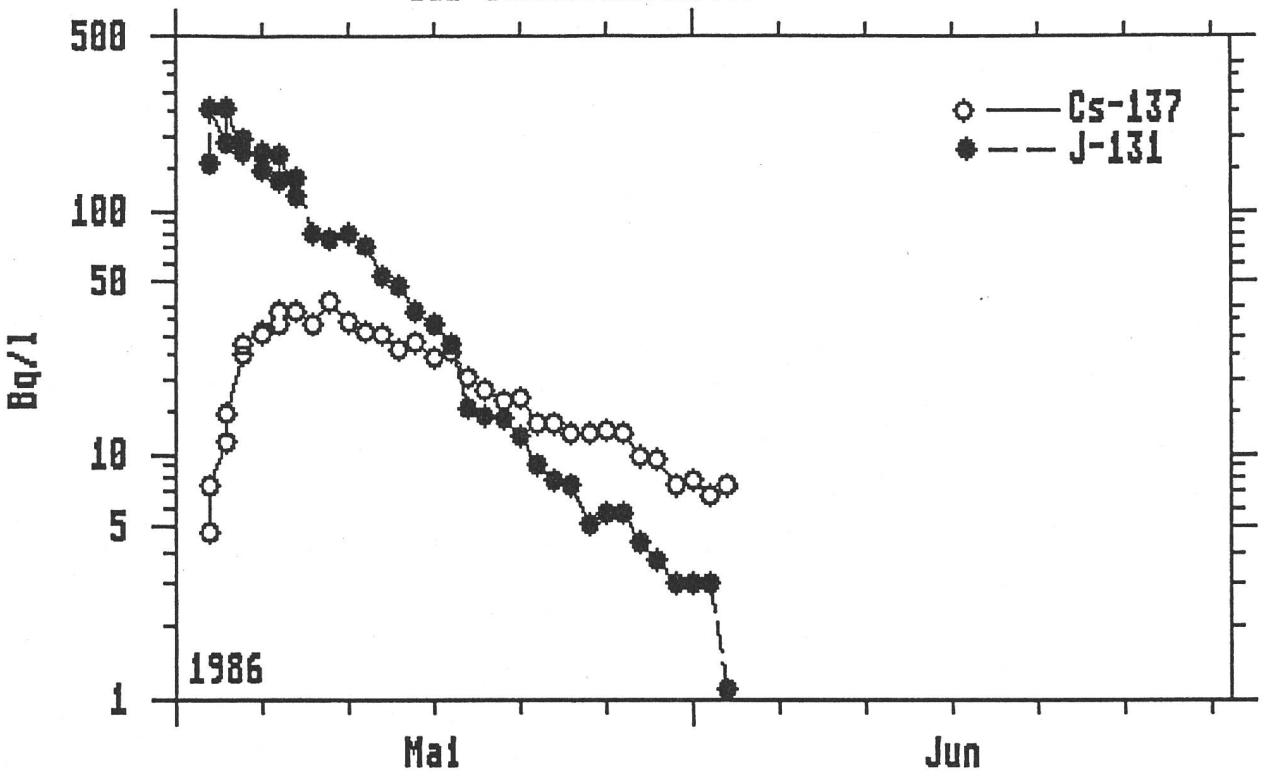



Fig.5.20.l: Radionuklide in der Milch
aus Russy/FR

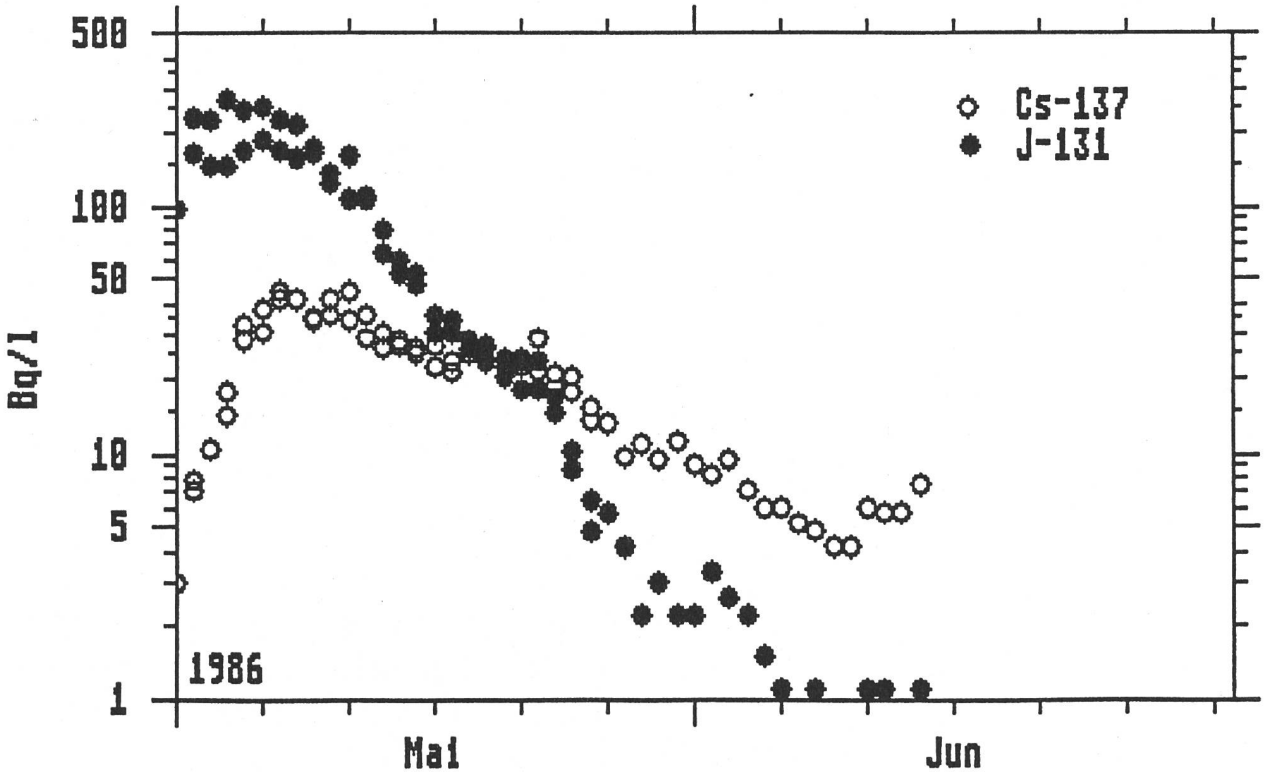


Fig.5.20.m: Radionuklide in Kuhmilch
aus Faulensee/BE (Einzelhof)

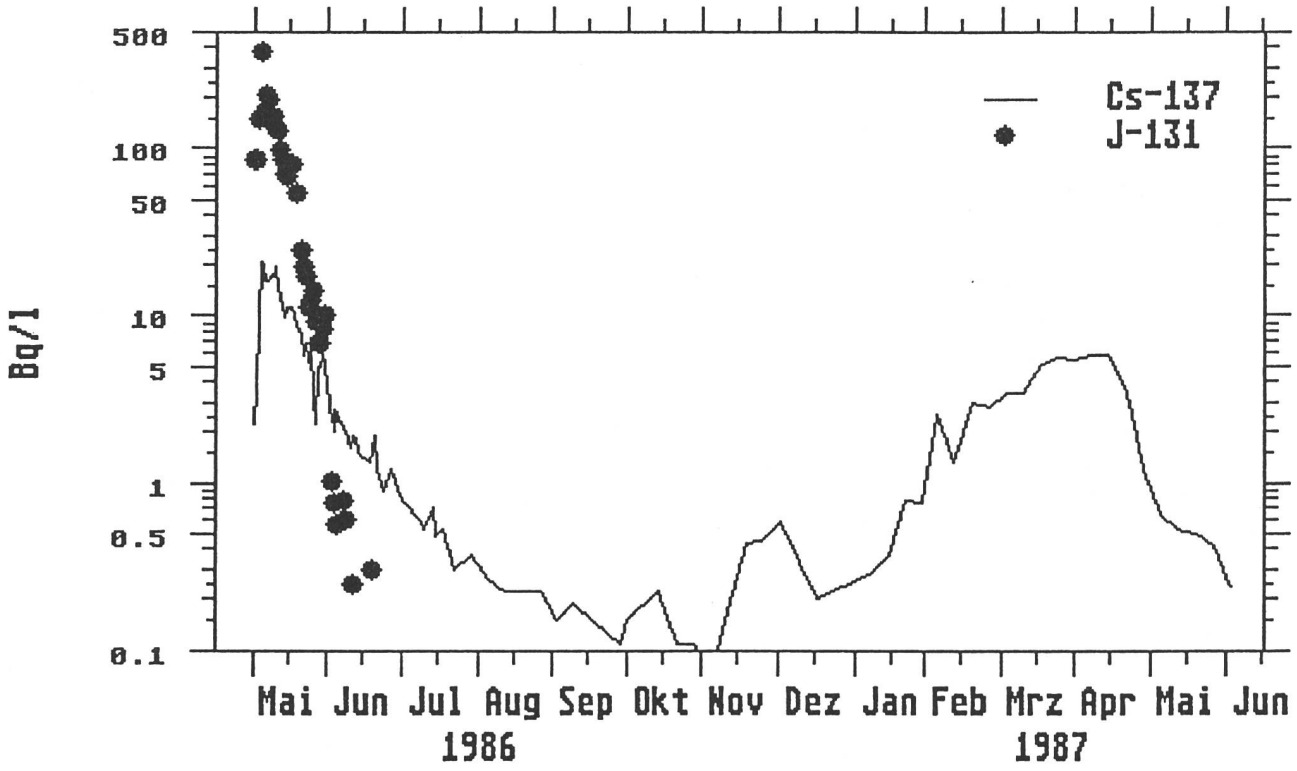



Fig.5.20.n: Radionuklide in Kuhmilch
Molkerei Spiez/BE

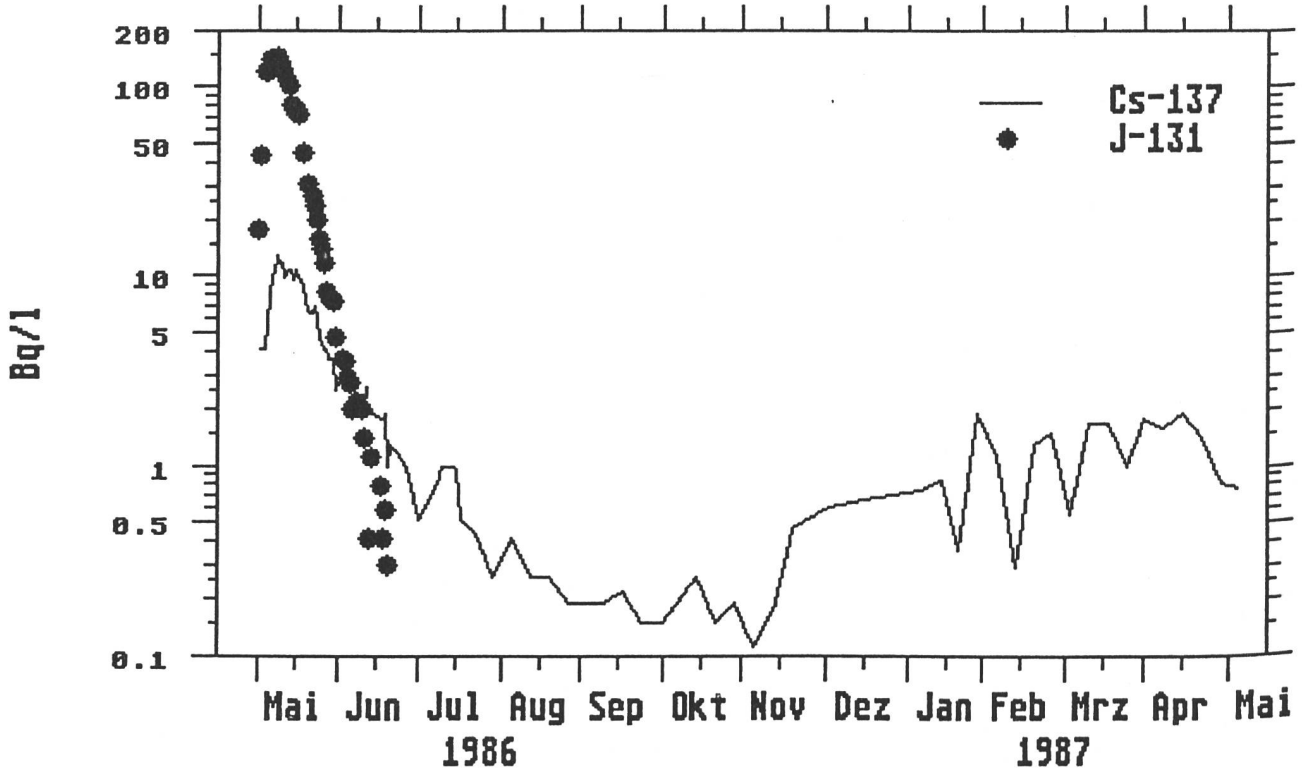


Fig.5.20.o: Radionuklide in Kuhmilch
von der Alp Lattreien/BE

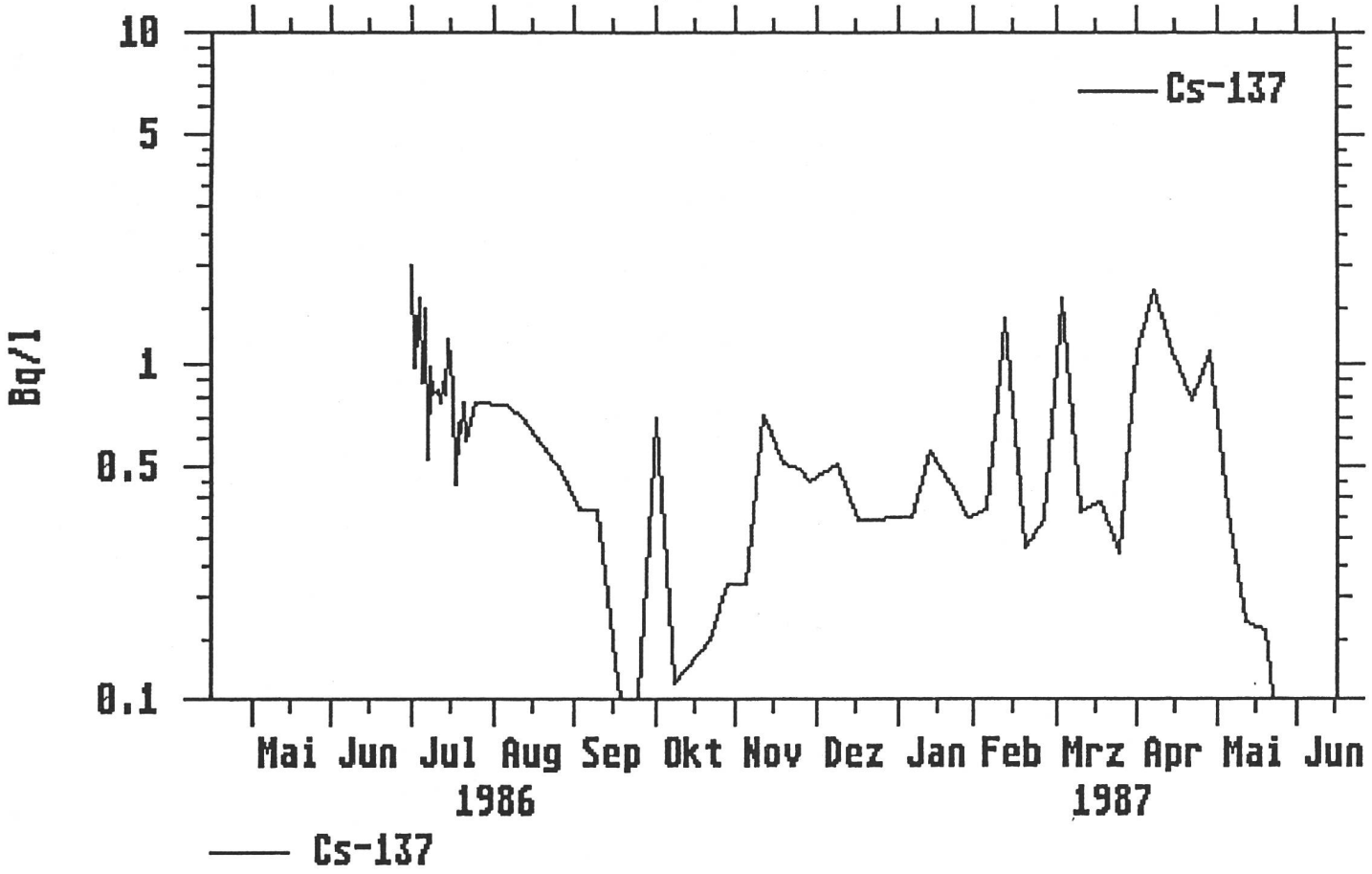


Fig.5.21.a: Cs-137 in Molkereimilch Tessin ( Locarno ) 1986/87

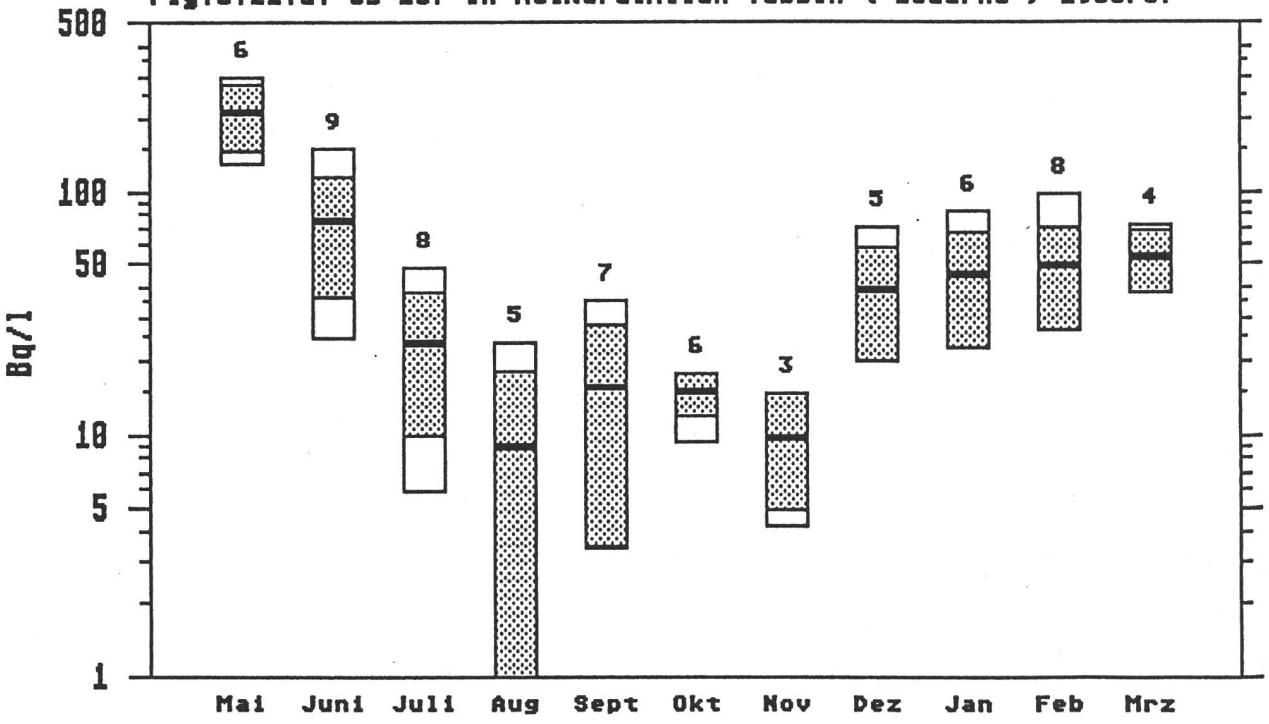



Fig.5.21.b: Cs-137 in Molkereimilch Ostschweiz
( Zürich und Gossau ) 1986/87

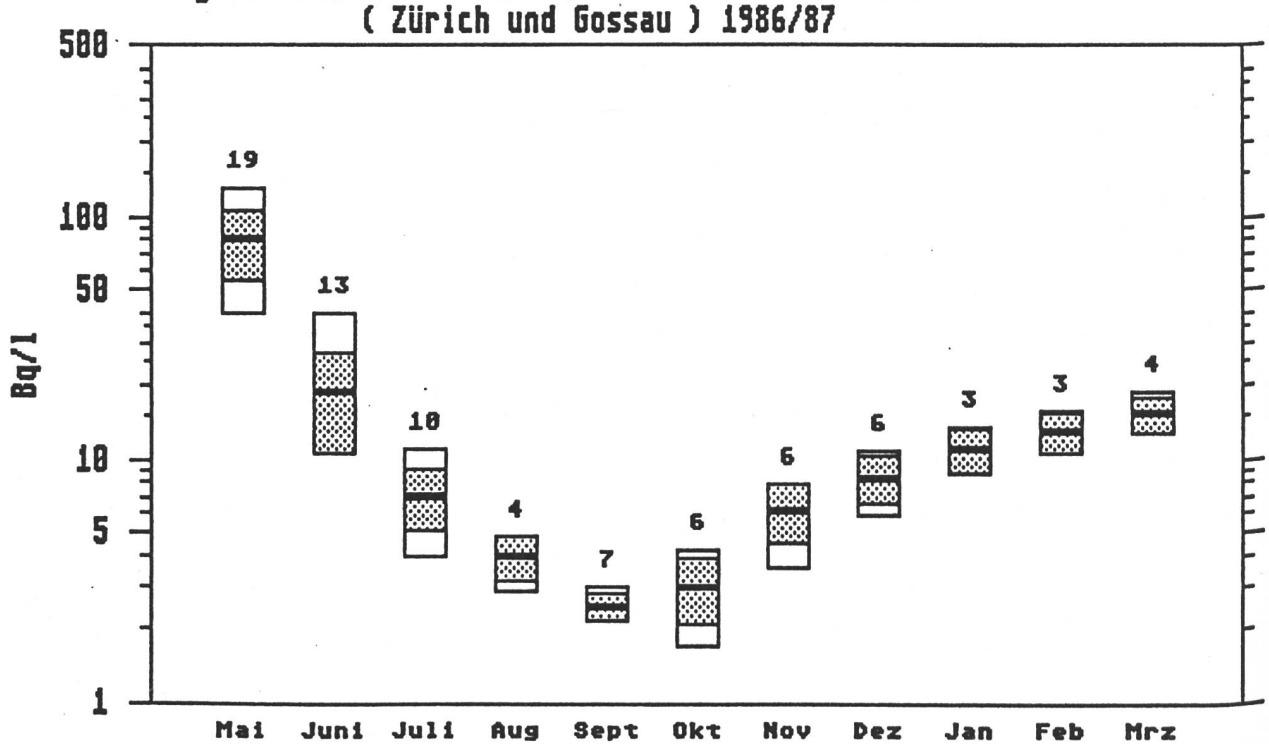


Fig.5.21.c: Cs-137 in Molkereimilch Zentralschweiz
( Luzern und Suhr ) 1986/87

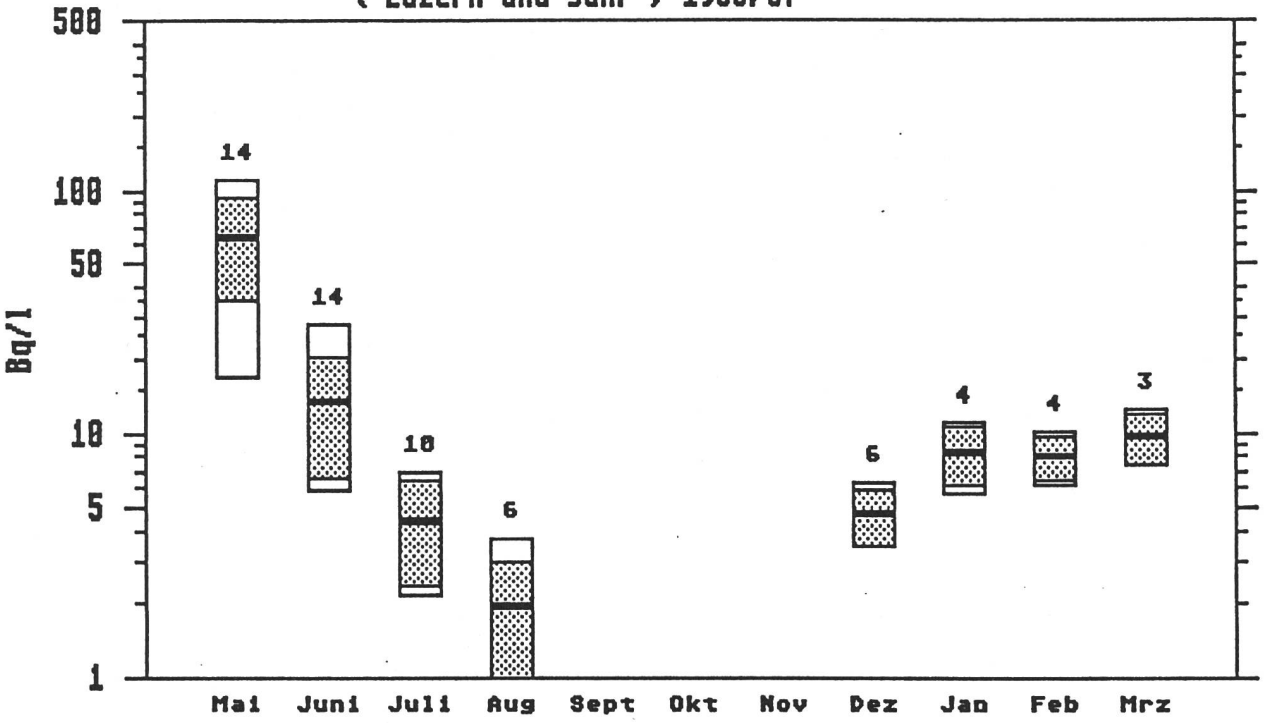



Fig.5.21.d: Cs-137 in Verbandsmilch ( Cremo FR und VM Bern ) 1986/87

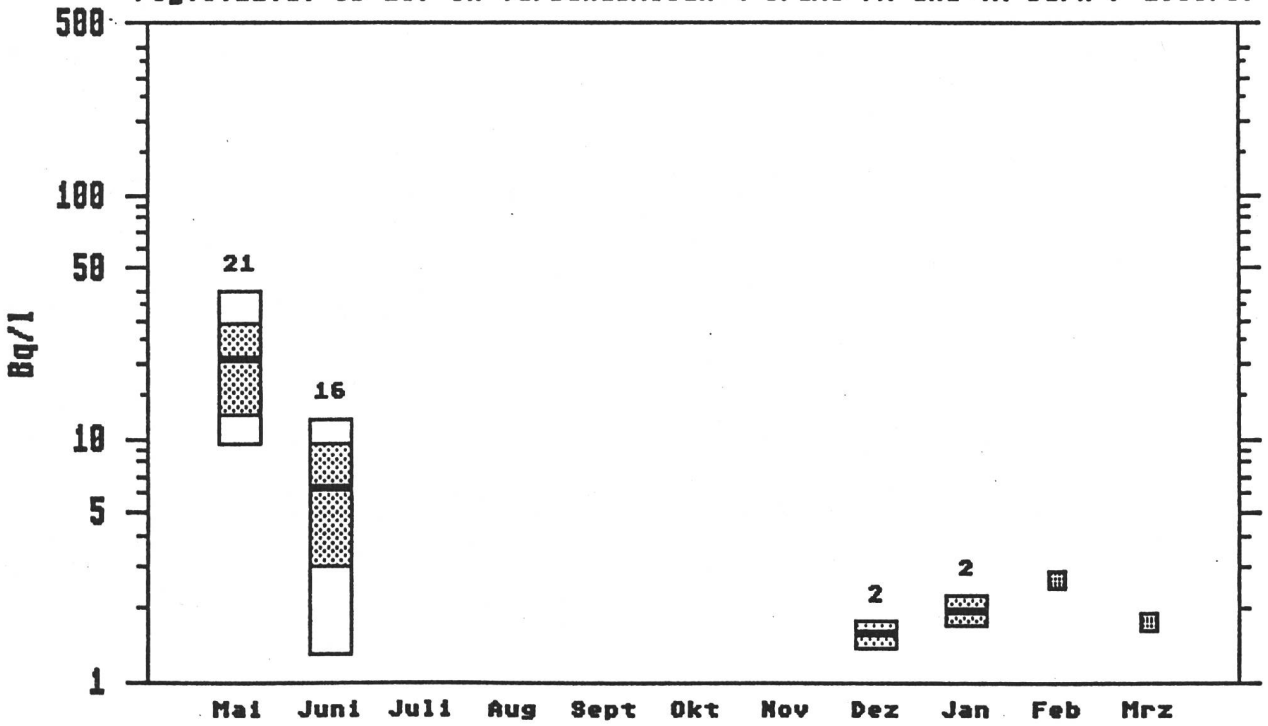


Fig.5.22.a: J-131 in Molkereimilch

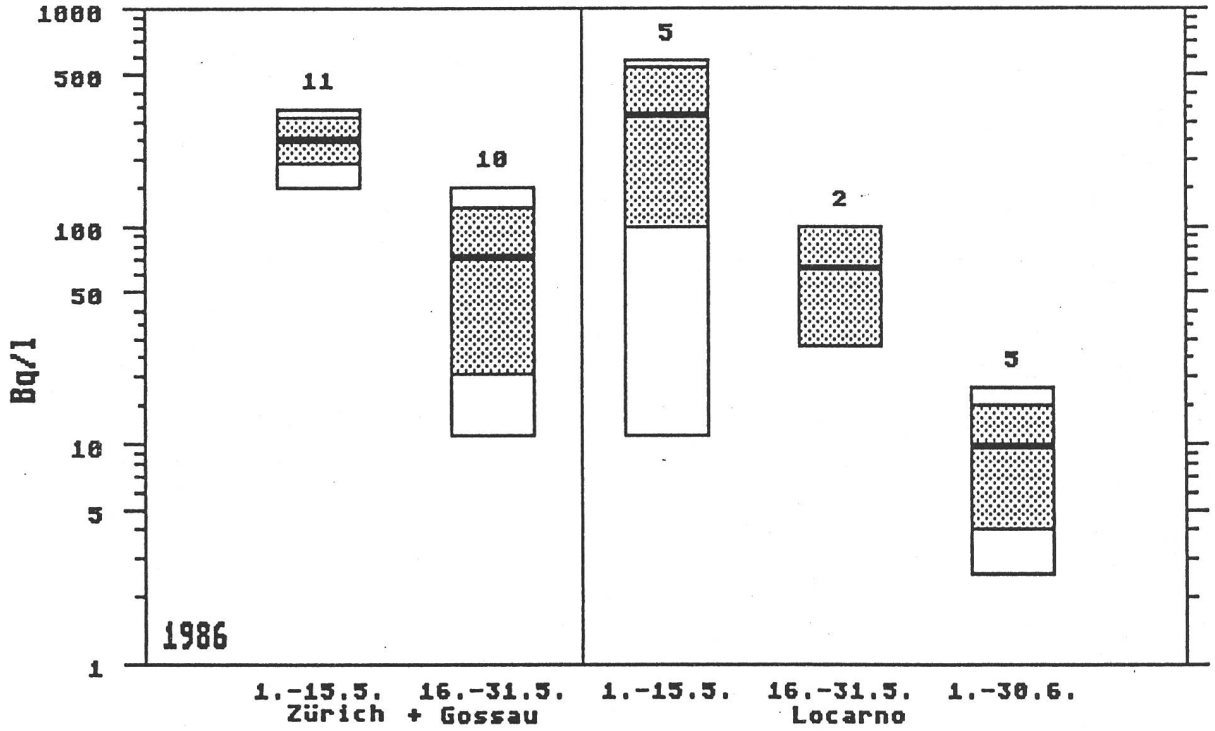



Fig.5.22.b: J-131 in Molkereimilch

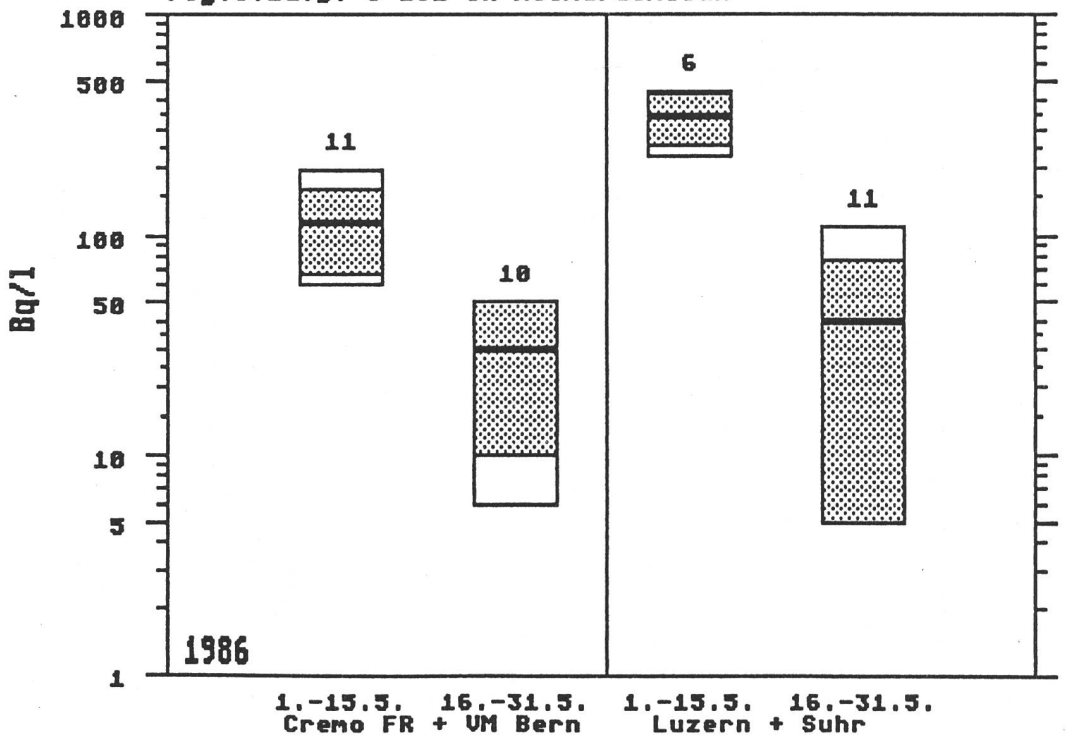


Fig.5.23.a: Cs-137 in Käsereimilch Ostschweiz 1986

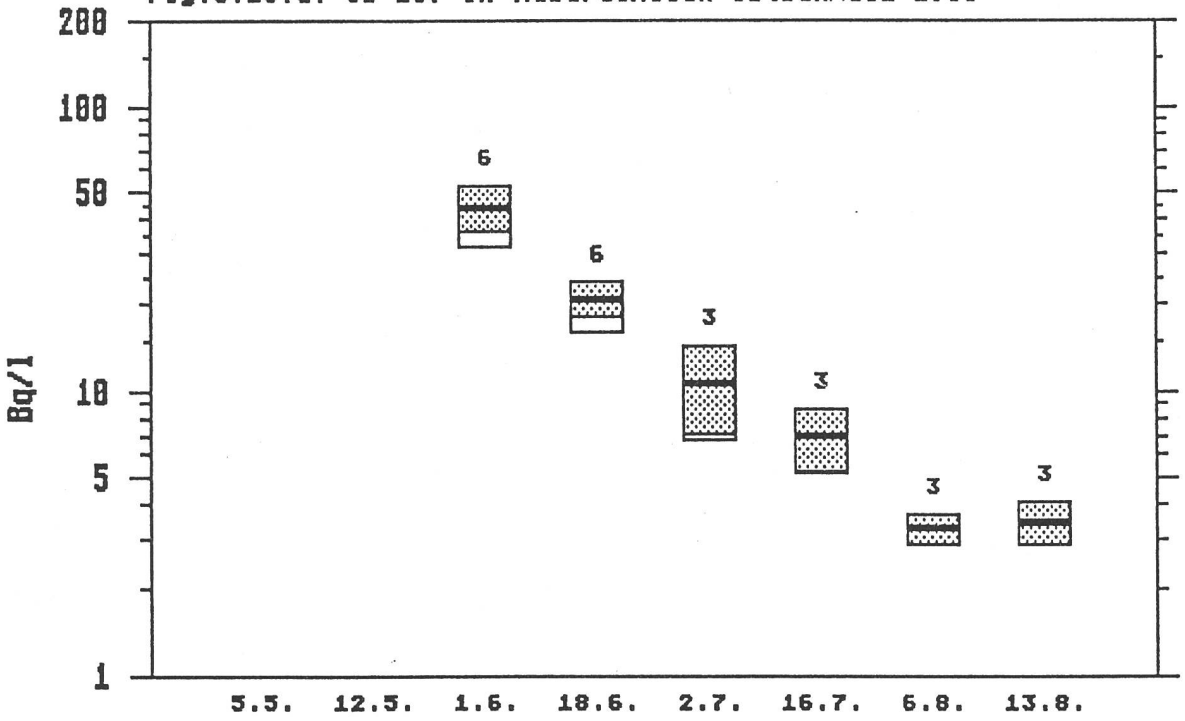



Fig.5.23.b: Cs-137 in Käse Ostschweiz 1986

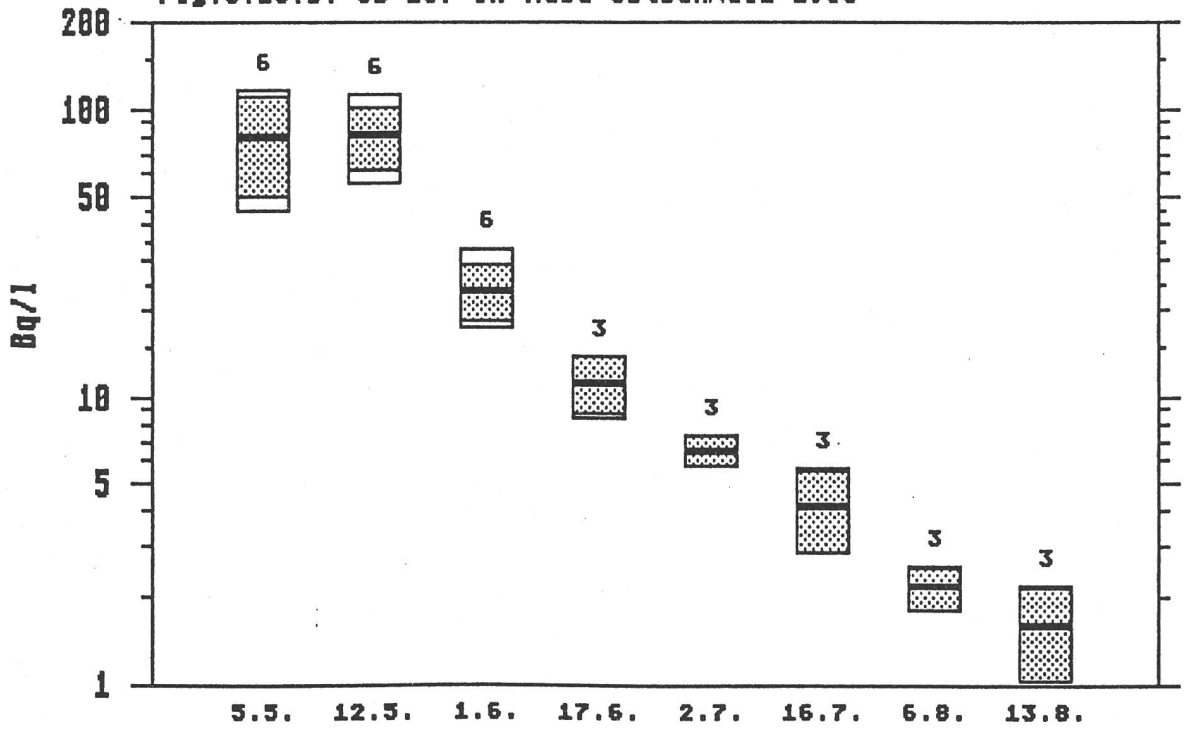


Fig.5.23.c: Cs-137 in Käsereimilch,
Schweiz ohne Ostschweiz und Tessin, 1986

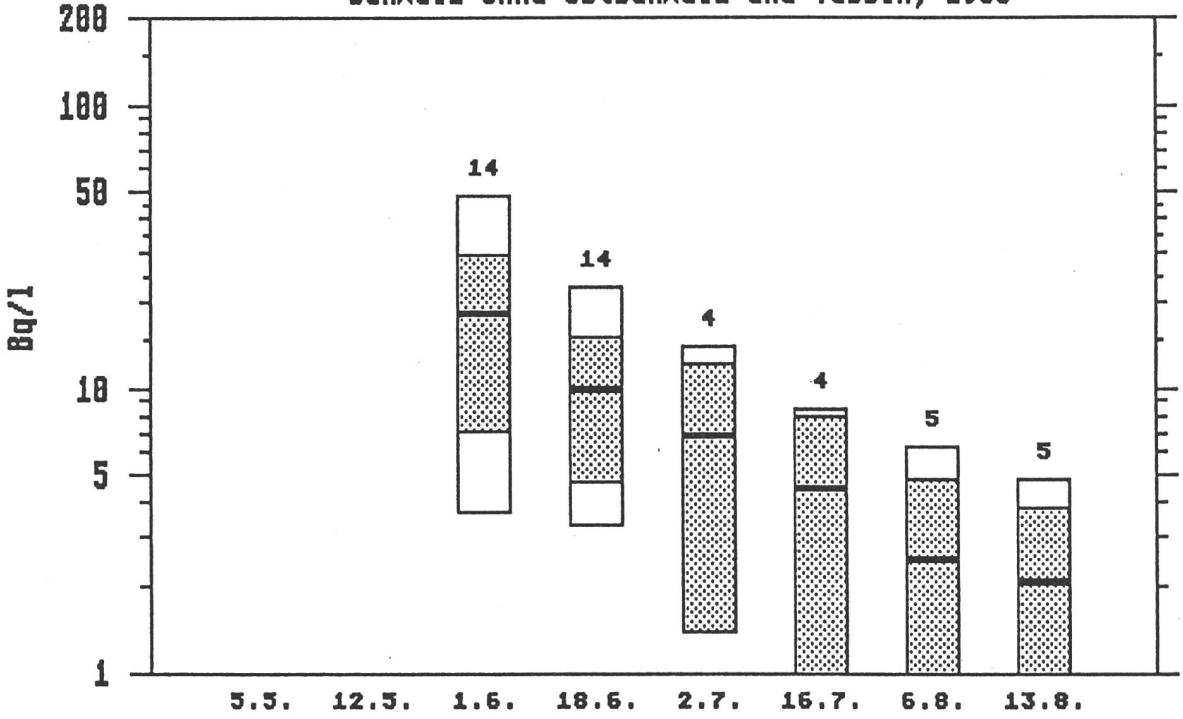



Fig.5.23.d: Cs-137 in Käse,
Schweiz ohne Ostschweiz und Tessin, 1986

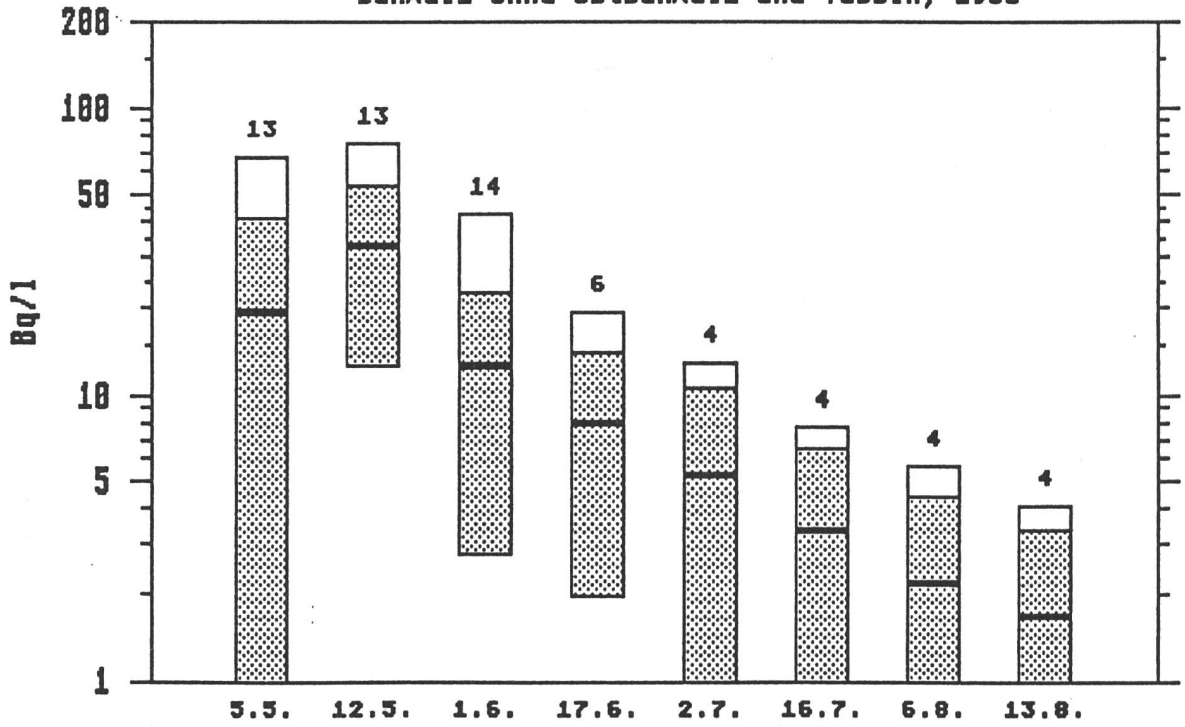


Fig.5.23.e: Übergang von Caesium aus Milch in Rahm und Butter

G(%) = Gewichtsanteil
F(g/kg) = Fettgehalt
Cs(Bq/kg) = gemessene Cs-137-Akt. bezogen auf 100 Bq/kg in der Milch
Cs(%) = Anteil der Caesium-137 - Aktivität in Bezug auf 100 % in der Milch (berechnet)

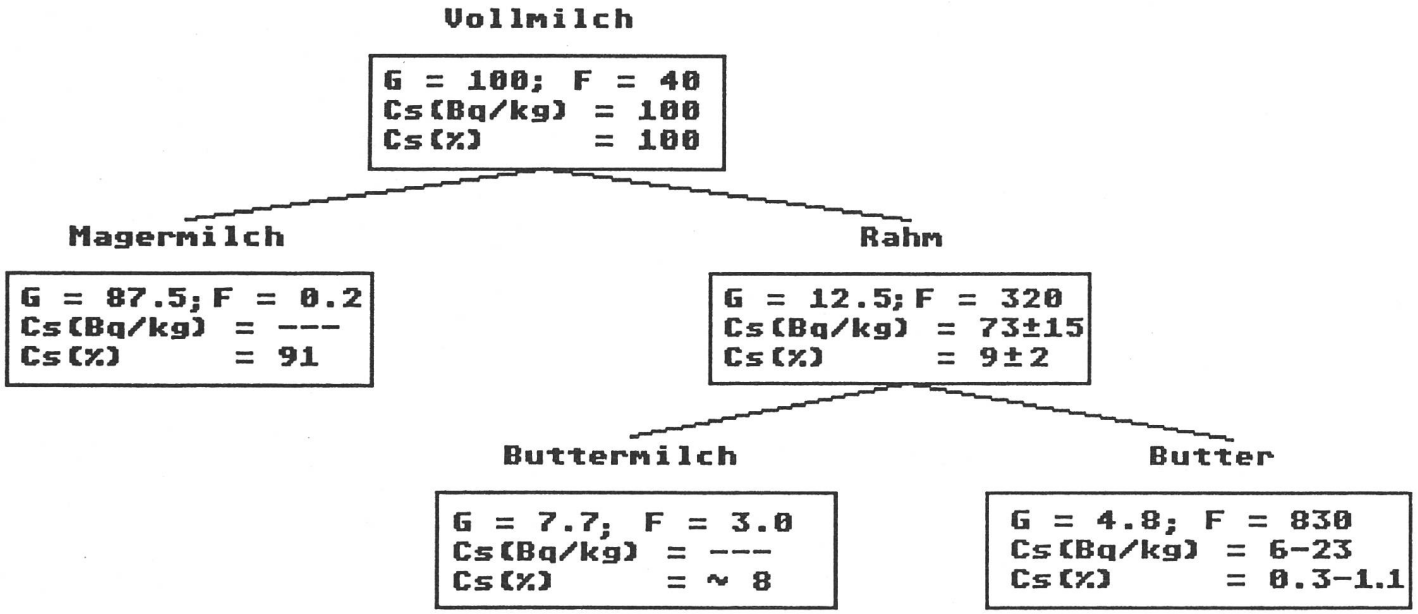


Fig.5.23.f: Verteilung von Caesium und Jod in Milch und Milchprodukten (Käseproduktion)

G(%) = Gewichtsanteil
F(g/kg) = Fettgehalt
Cs(Bq/kg)= gemessene Cs-137-Akt. bezogen auf 100 Bq/kg in der Milch
Cs(%) = Anteil Caesium-137 *)
J(Bq/Kg) = gemessene J-131-Akt. bezogen auf 100 Bq/kg in der Milch
J(%) = Anteil Jod-131 *)

*) bezogen auf 100 % in der Milch (berechnet)

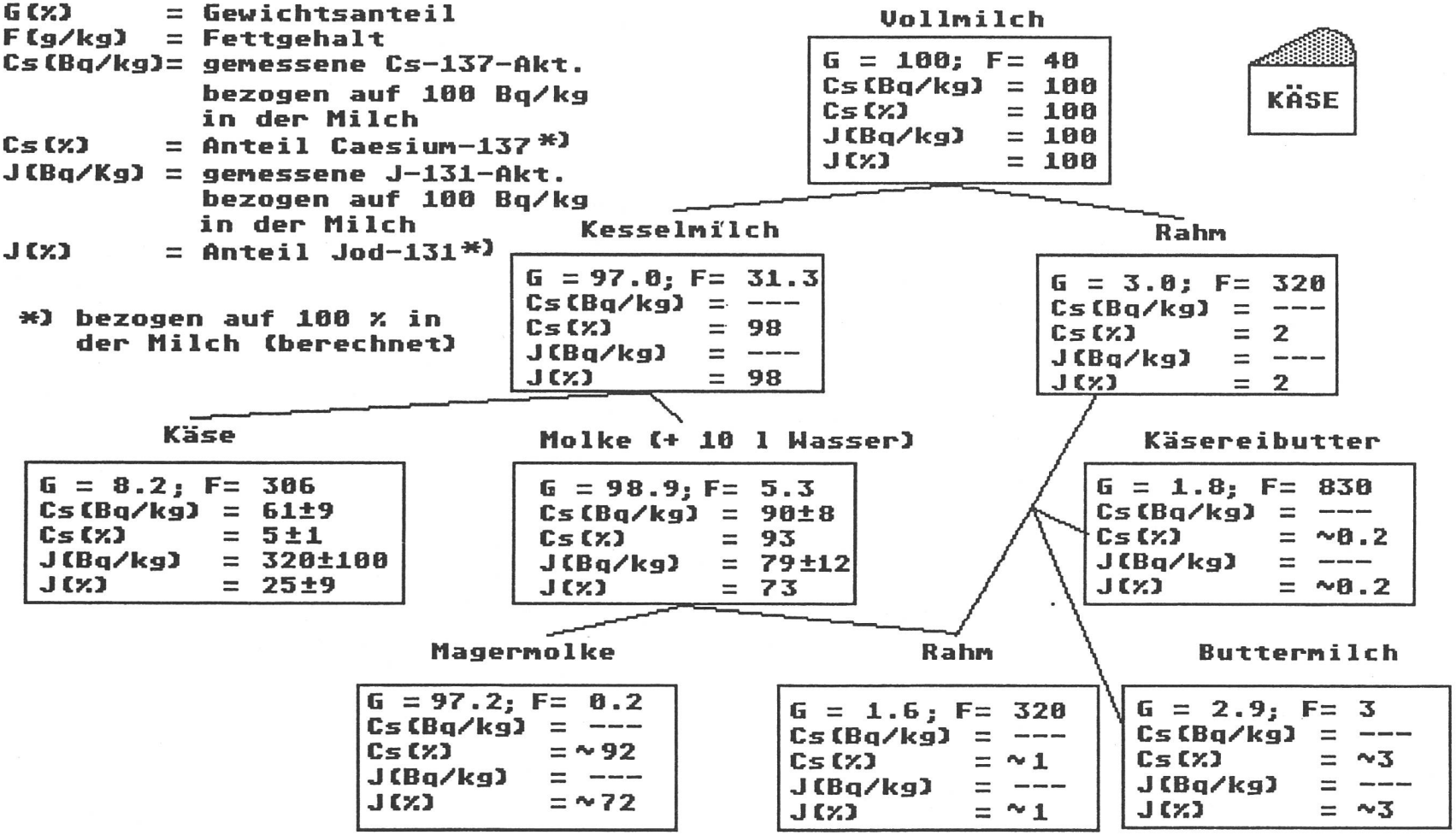


Fig.5.23.g: Transferfaktoren für Caesium

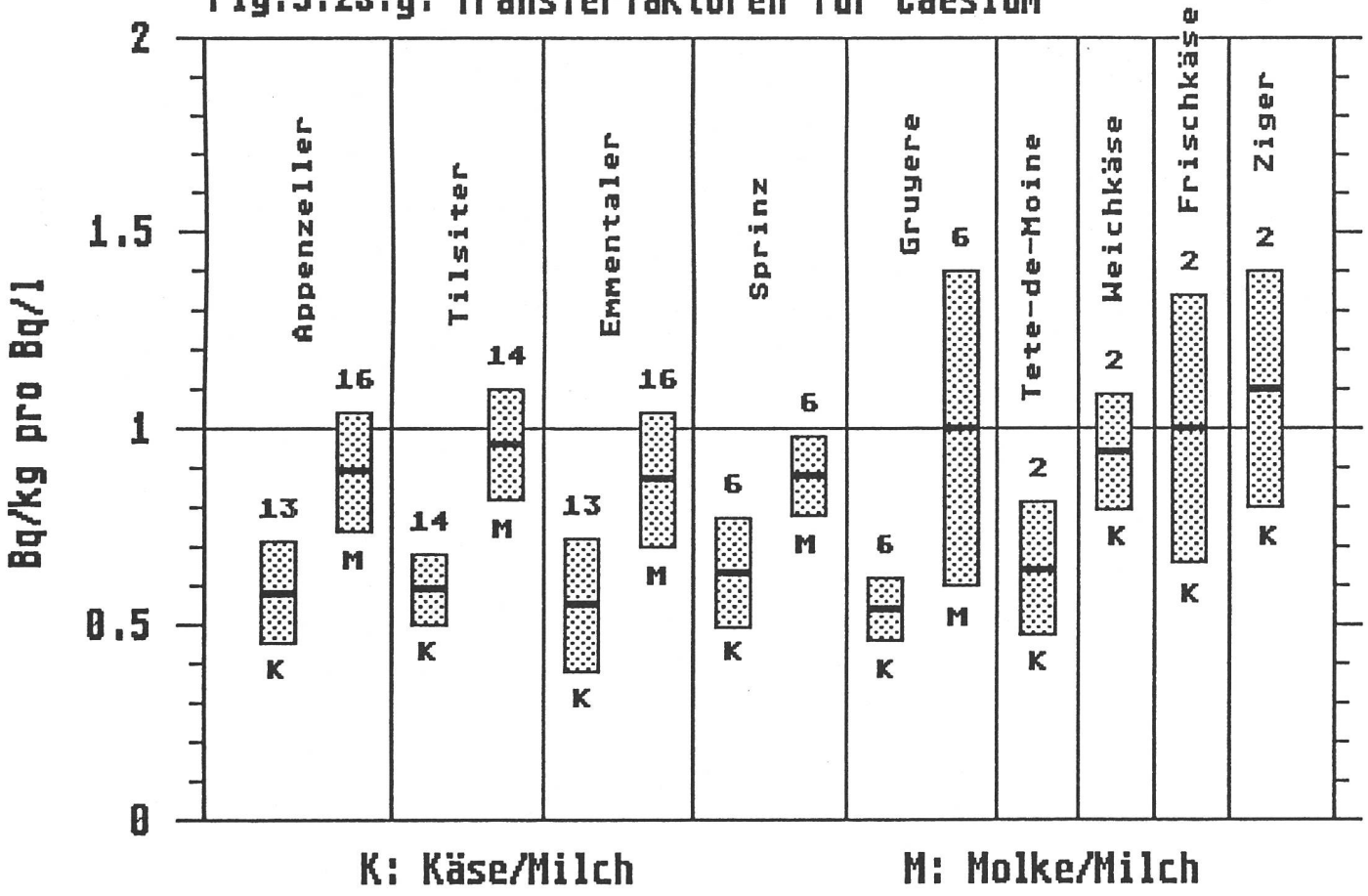


**Fig.5.23.h: Transferfaktoren für Strontium**

(je eine Probe)

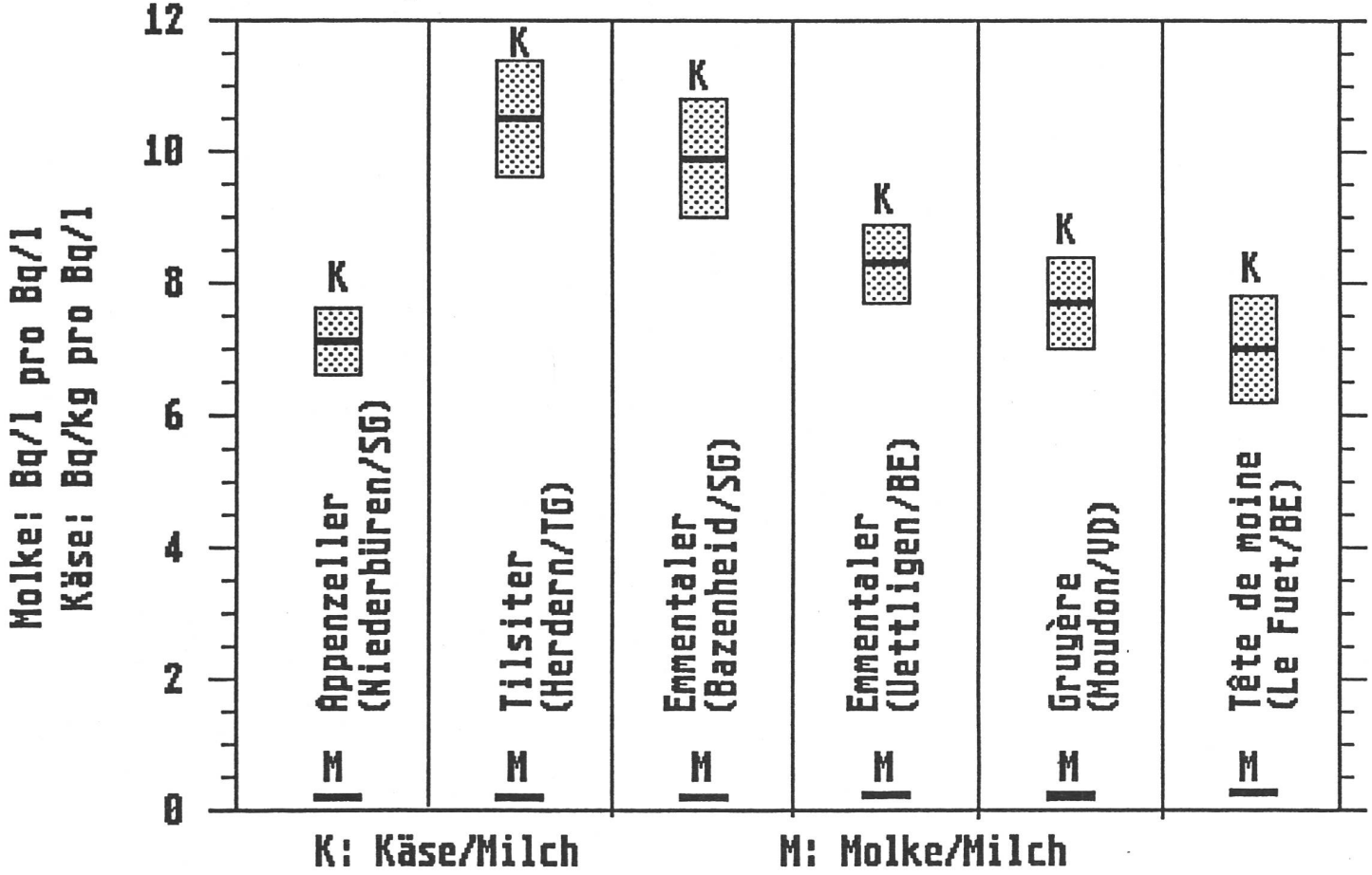
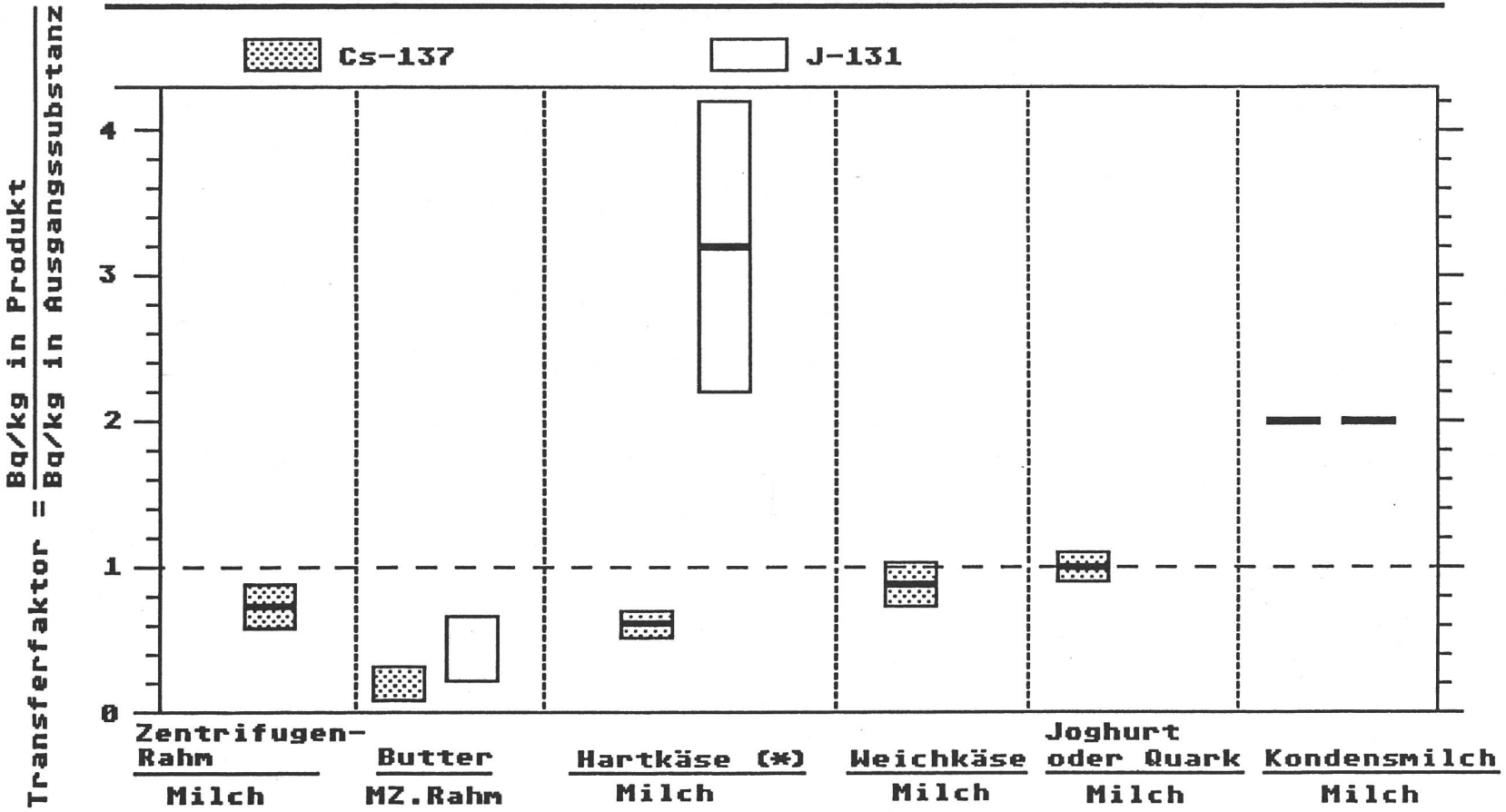


Fig. 5.23i: Transferfaktoren von Cs-137 resp. I-131 für Milchprodukte




(*) für $^{90}$Sr in Hartkäse ergab sich ein TF = 8.4 ± 0.6

Fig.5.24.a: Cs-137 im Rahm, ganze Schweiz

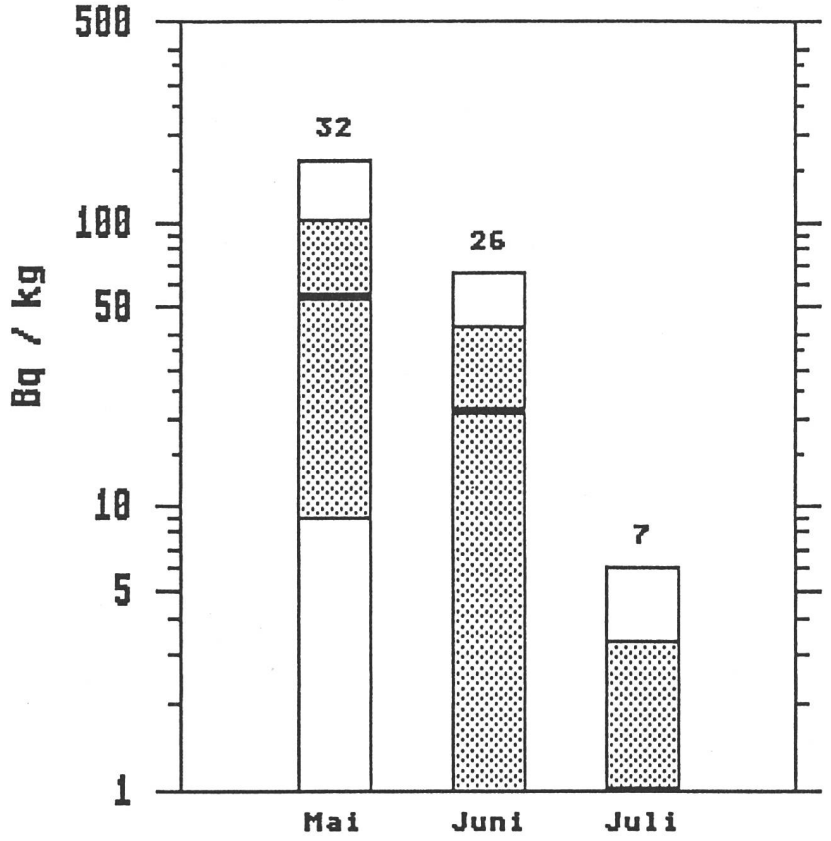



Fig.5.24.b: J-131 im Rahm, ganze Schweiz

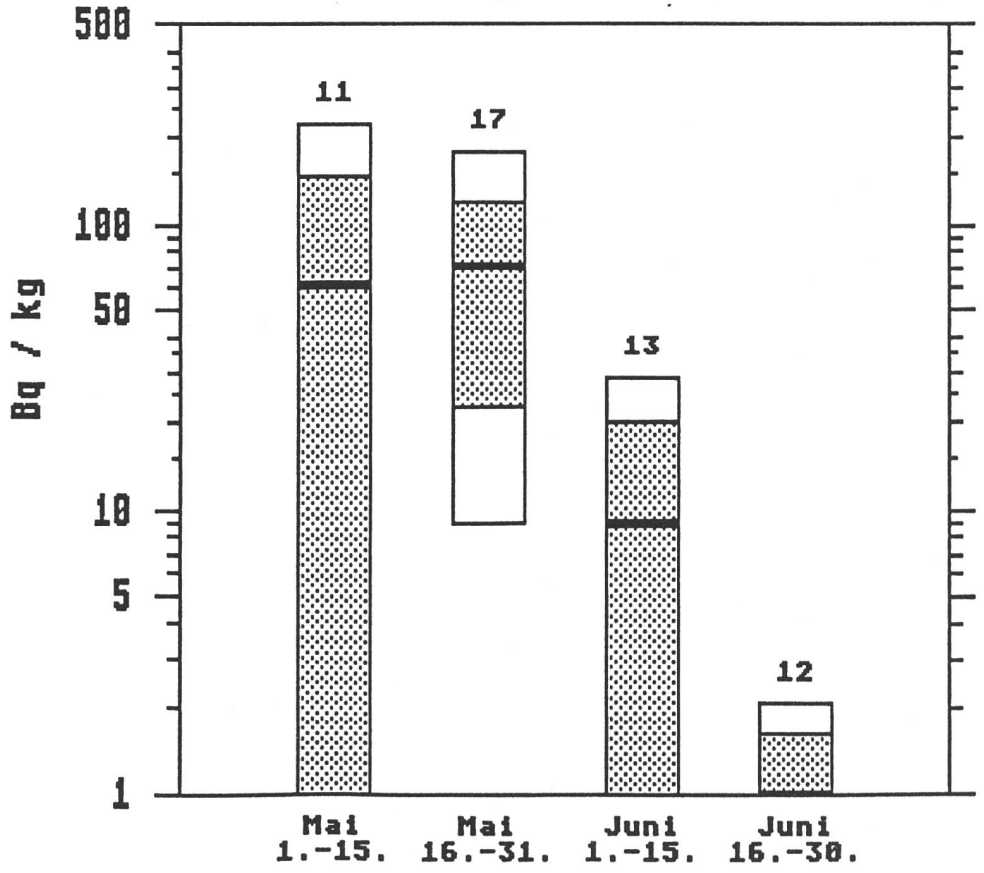


Fig.5.24.c: Cs-137 in Butter, ganze Schweiz

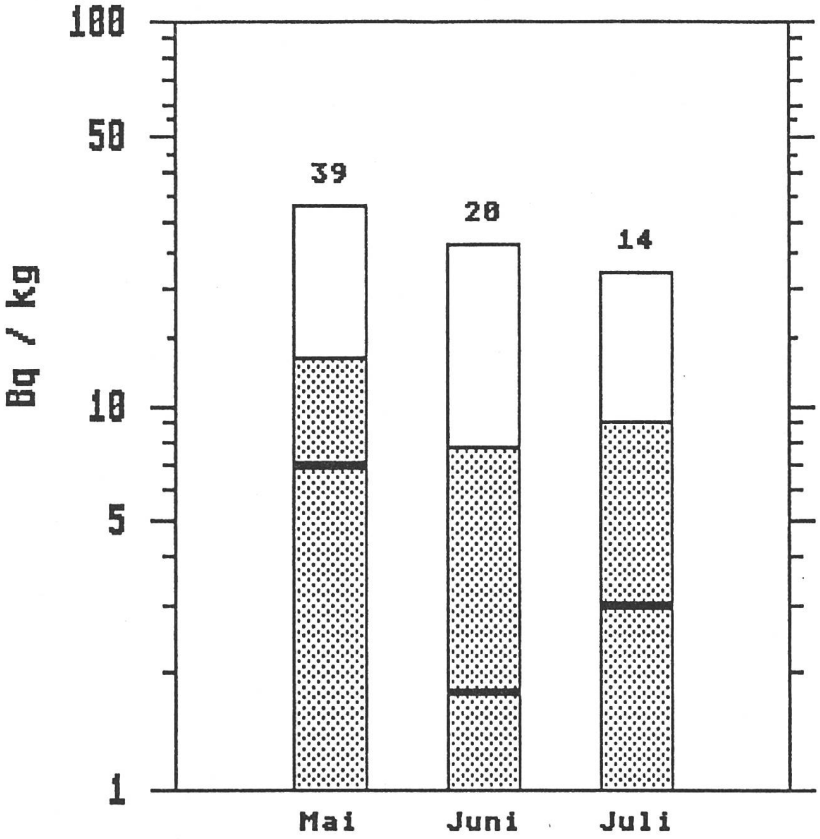



Fig.5.24.d: J-131 in Butter, ganze Schweiz

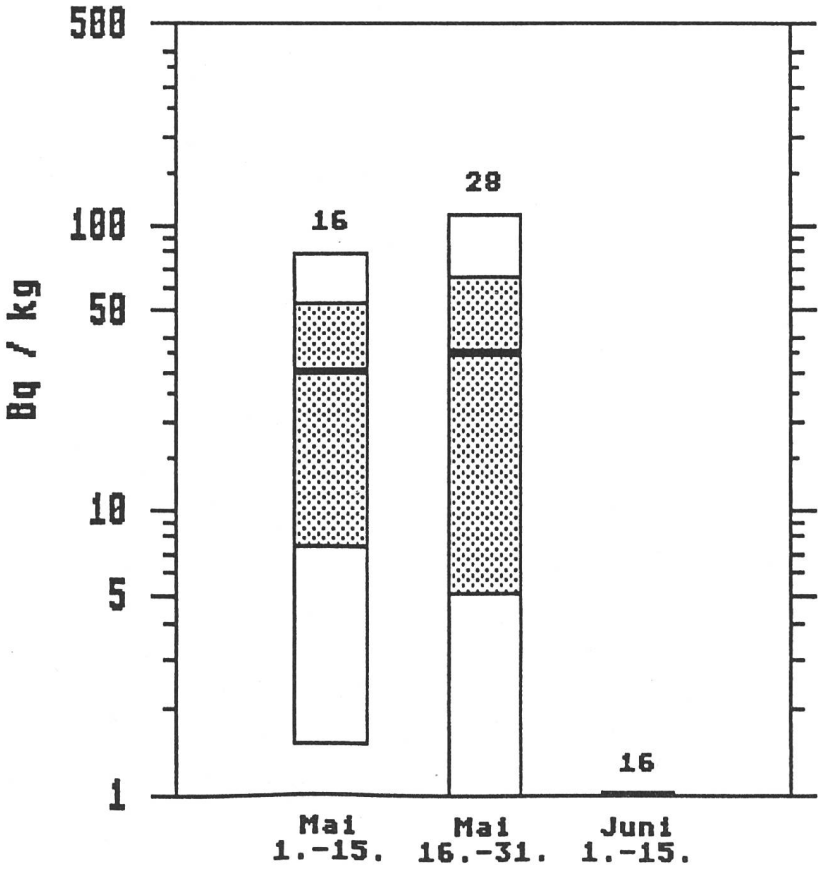


Fig. 5.25 a: Cs-137 in Butter, Mai 1986

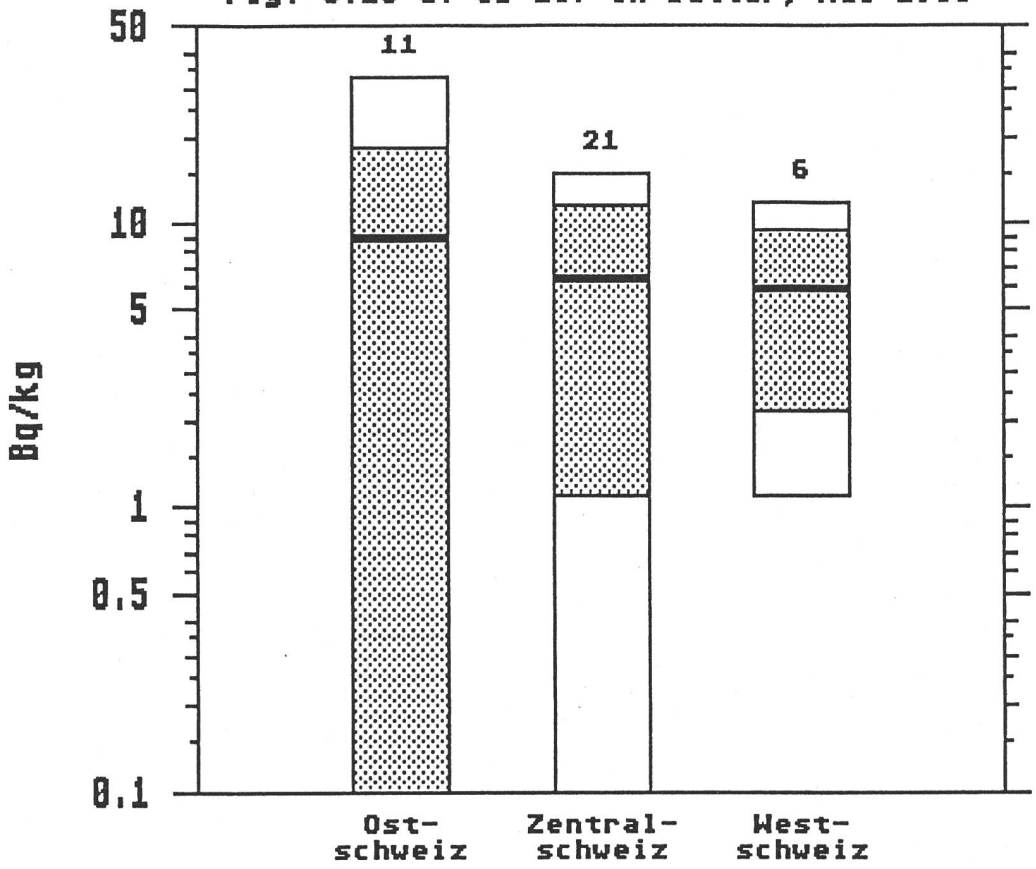



Fig. 5.25 b: J-131 in Butter, Mai 1986

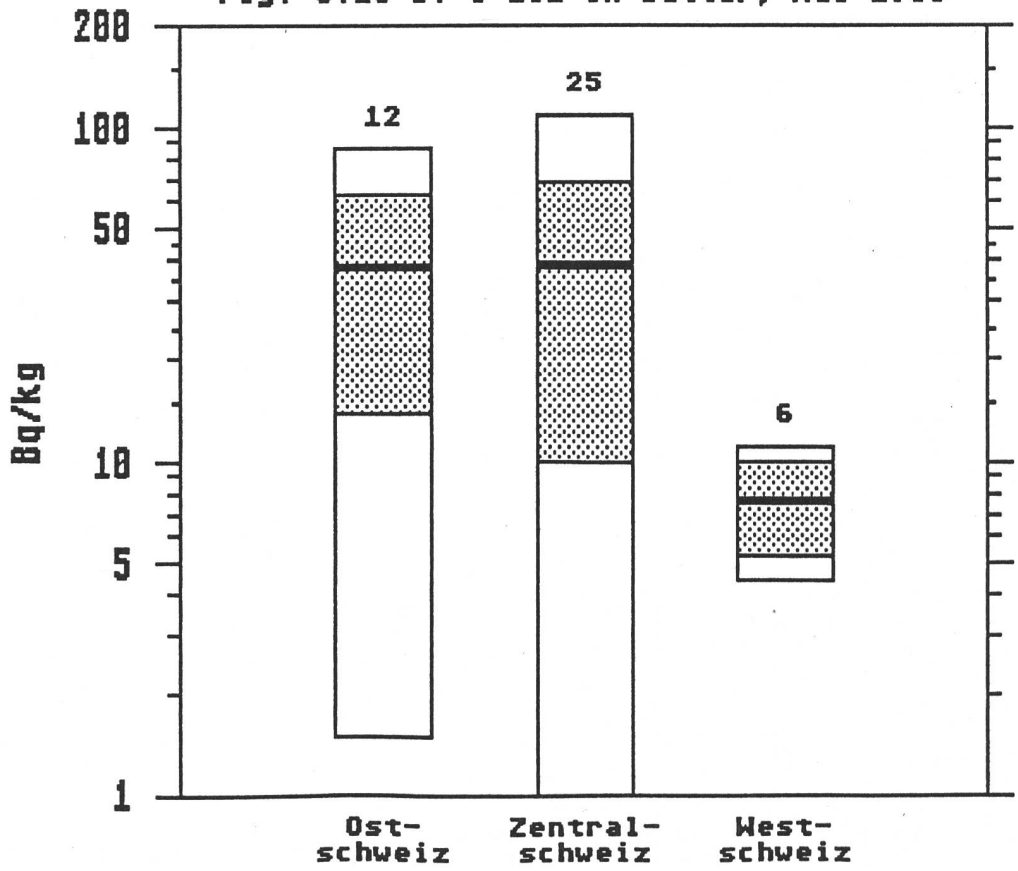


Fig.5.25.c: Cs-137 in Quark, ganze Schweiz

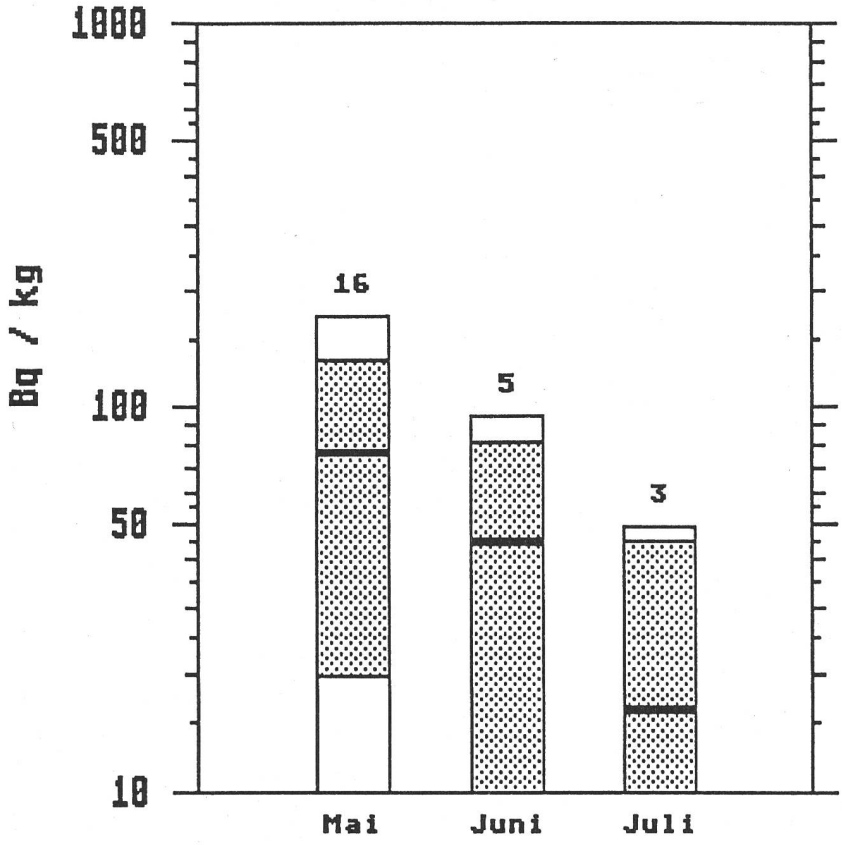



Fig.5.25.d: J-131 in Quark, ganze Schweiz

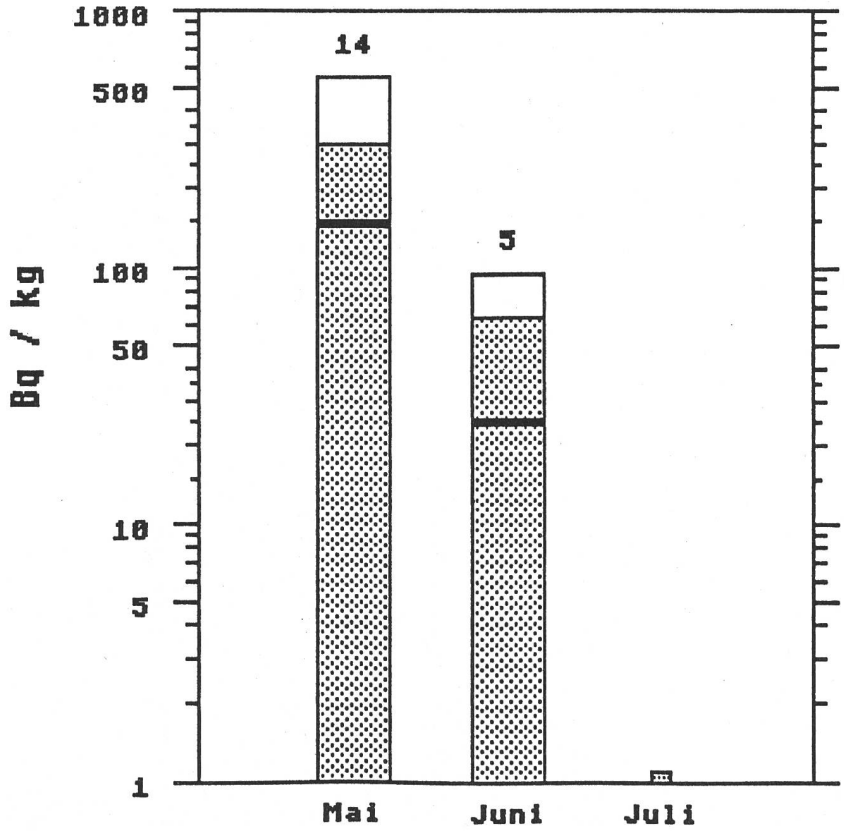


Fig.5.25.e: Cs-137 in Joghurt, ganze Schweiz

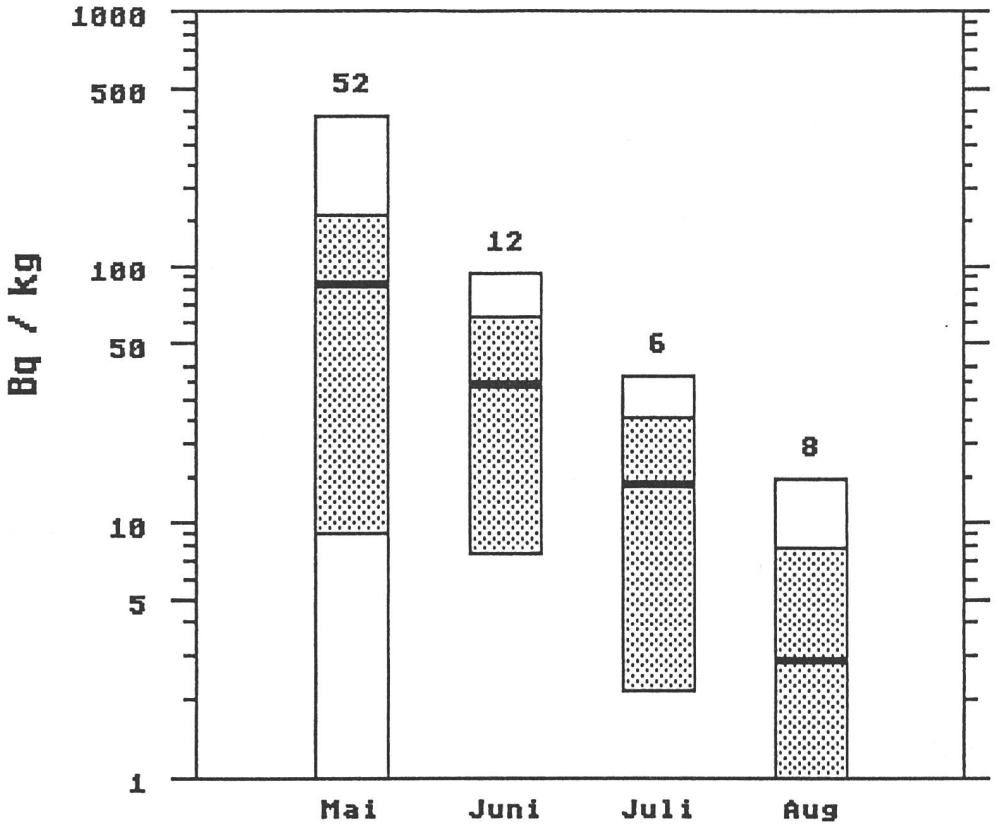



Fig.5.25.f: J-131 in Joghurt, ganze Schweiz

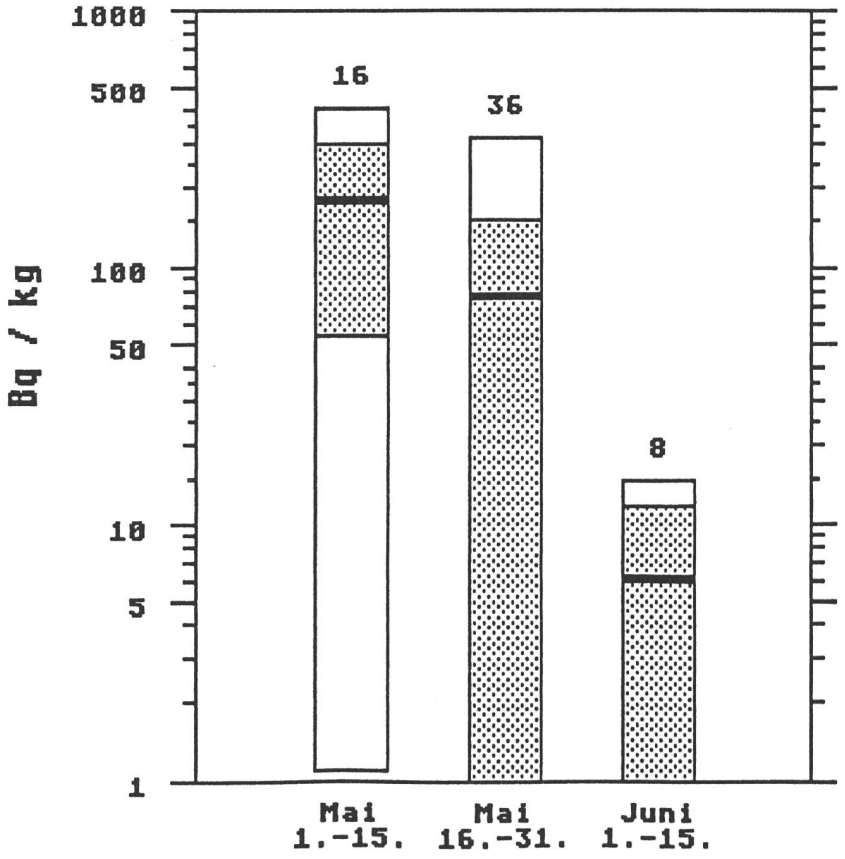


Fig.5.26.a: Cs-137 in Milch TI (Winter 86/87)

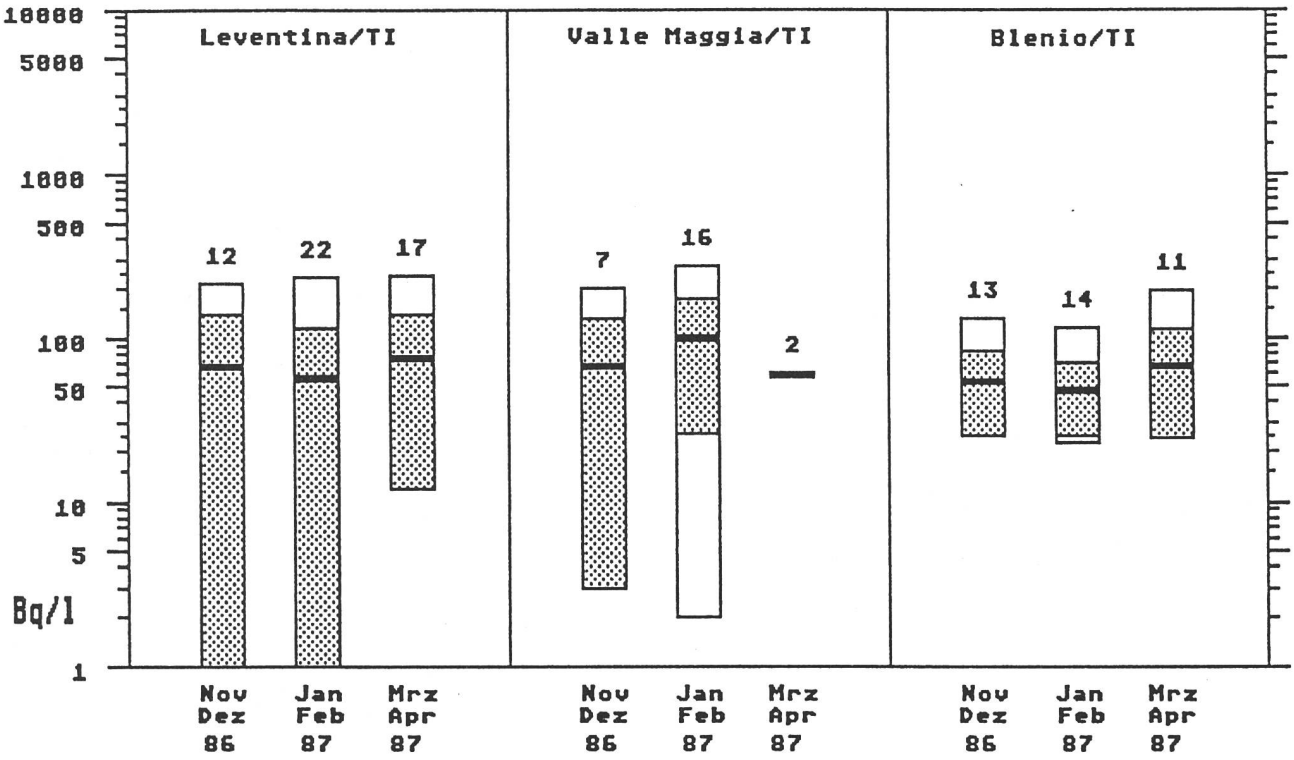



Fig.5.26.b: Cs-137 in Milch TI (Winter 86/87)

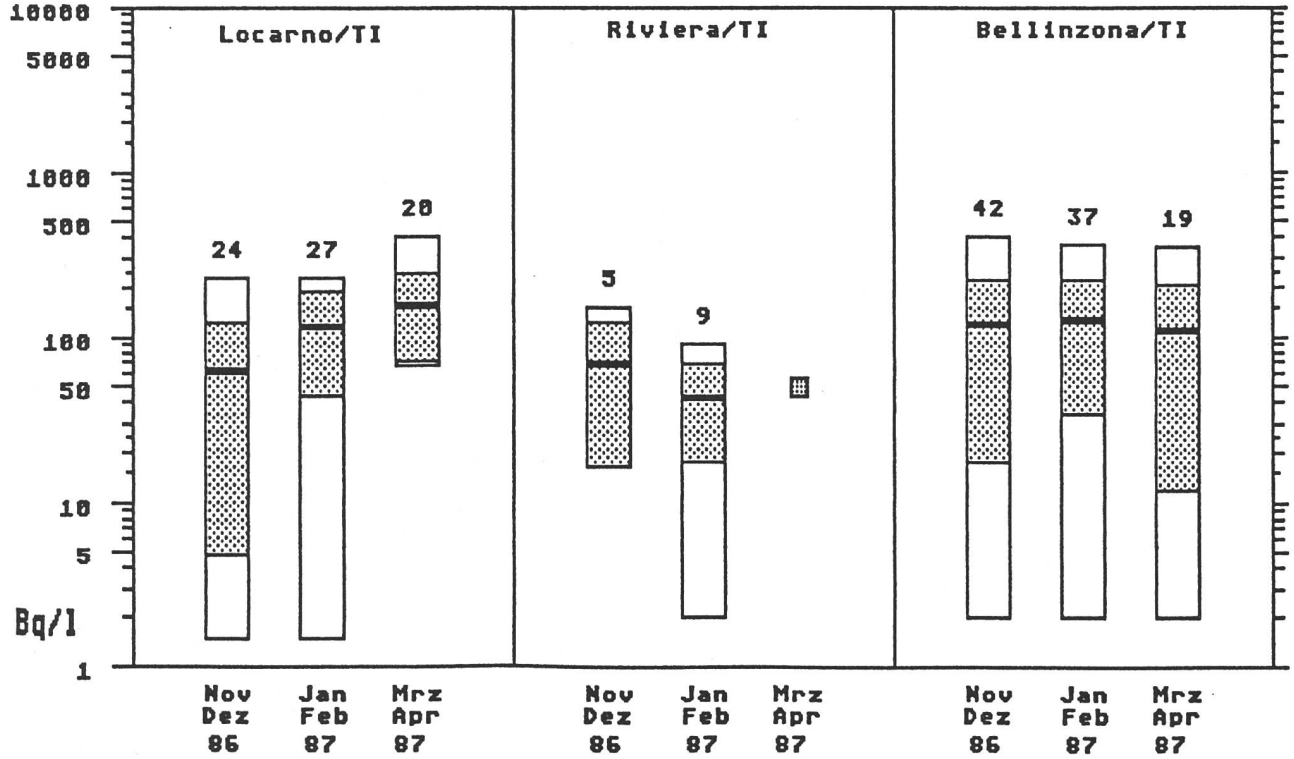


Fig.5.26.c: Cs-137 in Milch TI (Winter 86/87)

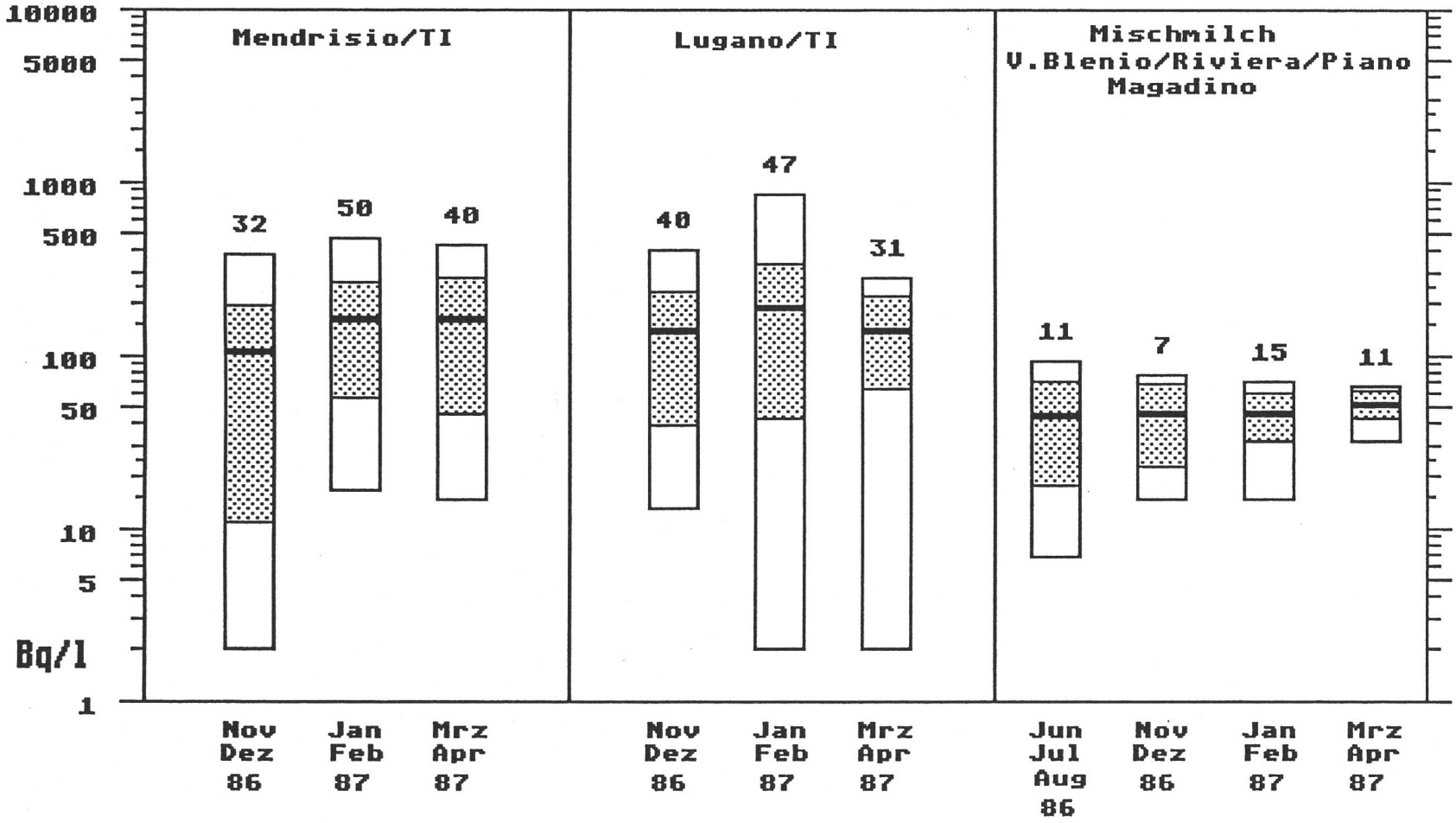


Fig.5.27.a: Cs-137 in Milch Kanton Schaffhausen 86/87

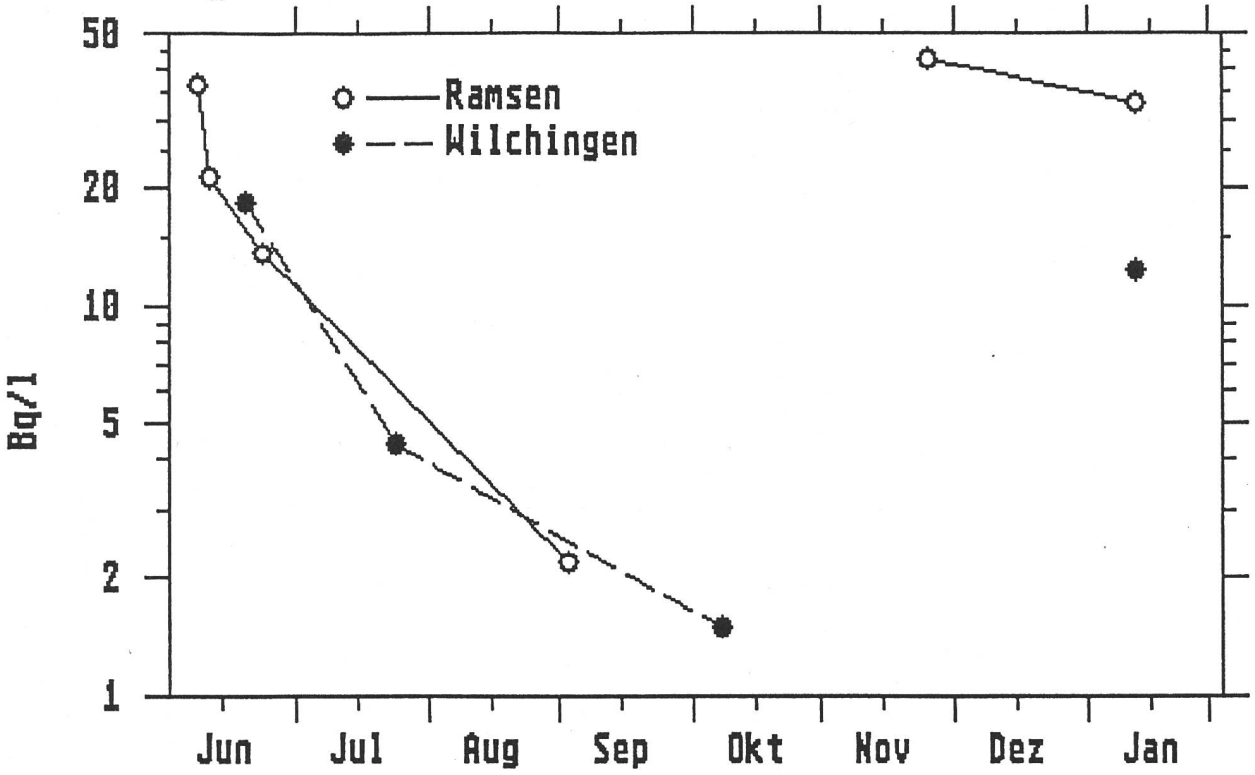



Fig.5.27.b: Cs-137 in Milch, Hunzenschwil/AG 1987

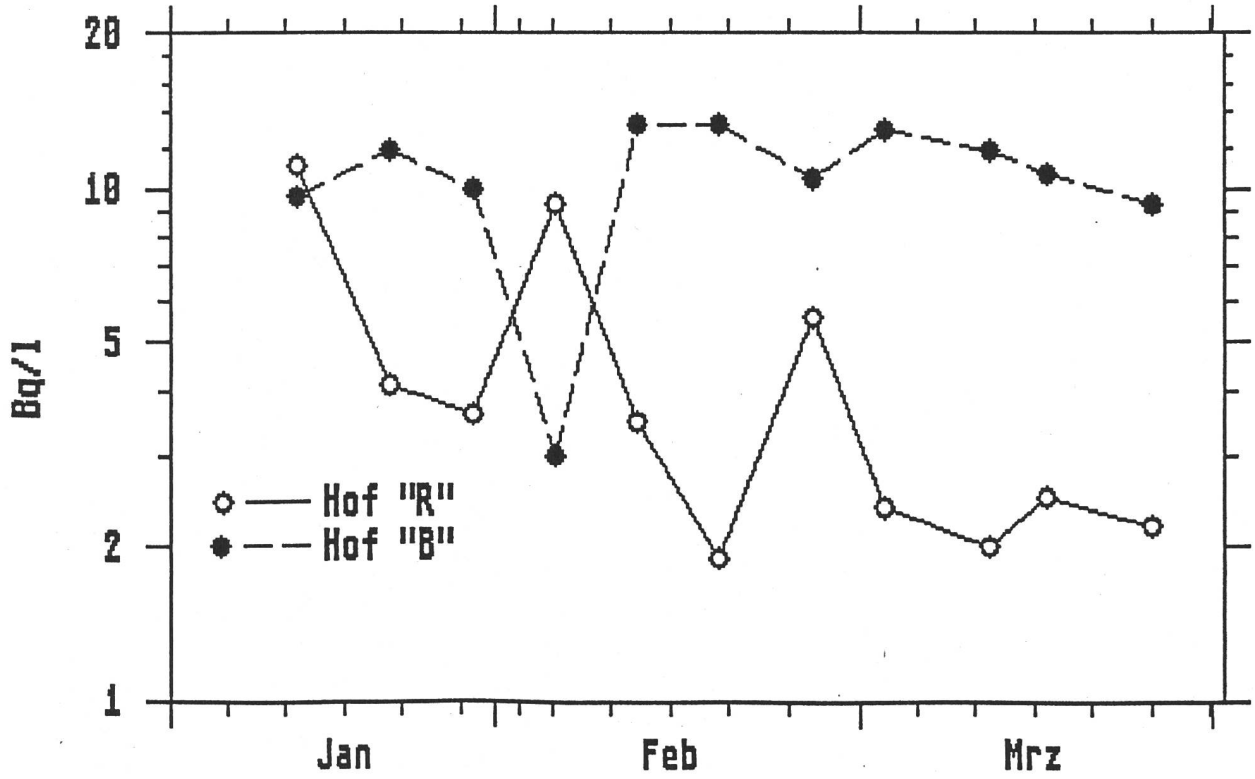


Fig.5.27.c: Cs-137 in Milch, Neuenkirch/LU 86/87

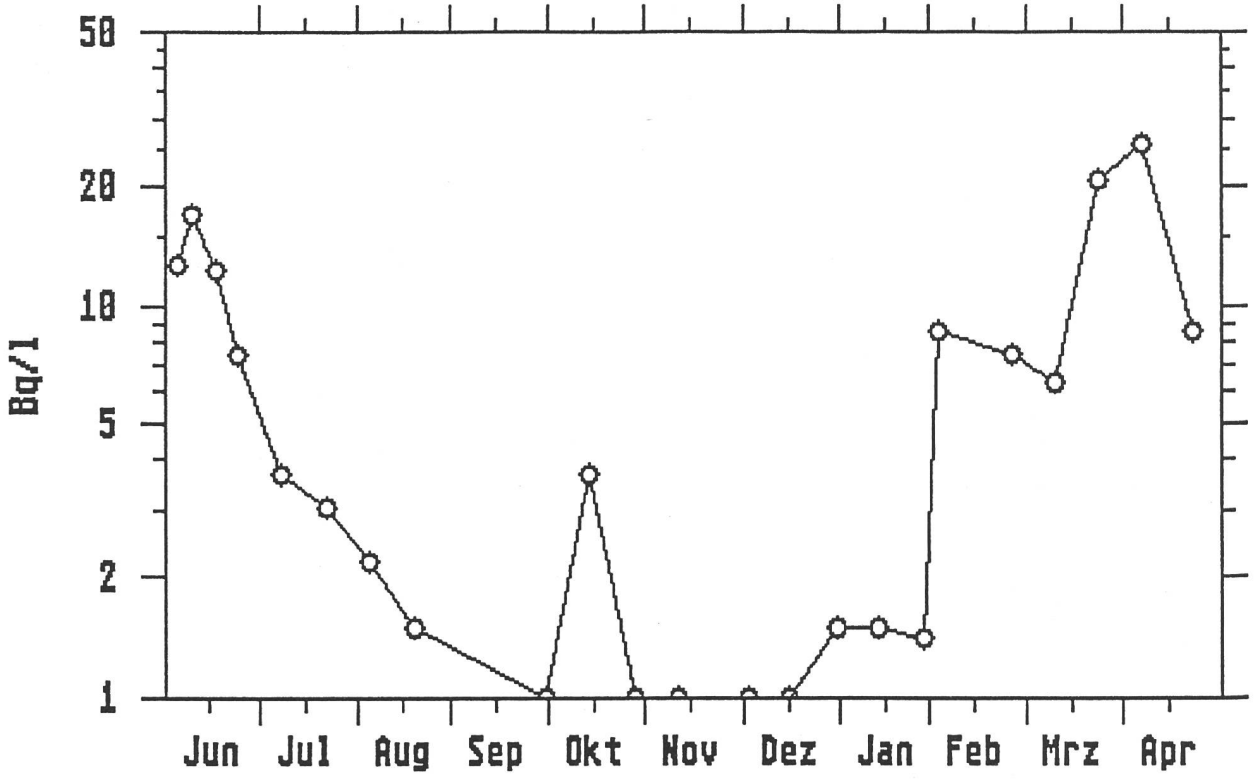



Fig.5.27.d: Cs-137 in Milch, Kanton Appenzell 86

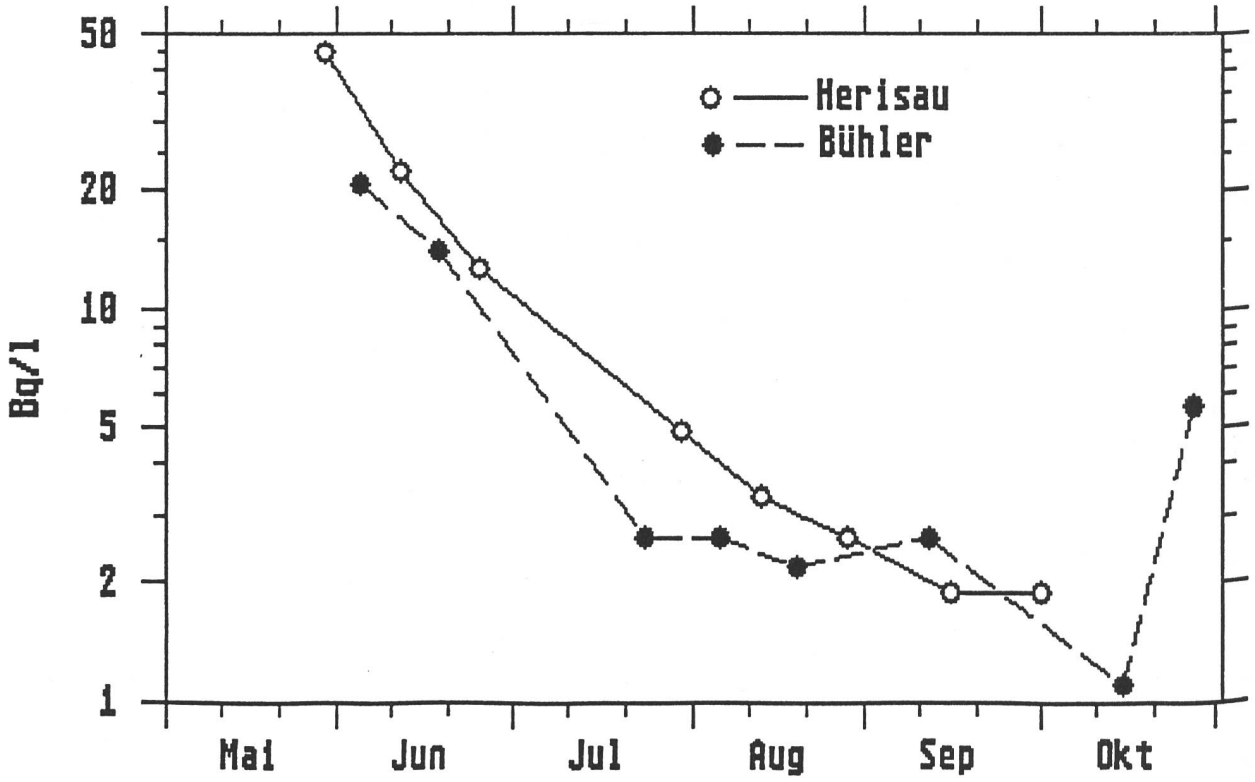


Fig.5.27.e: Cs-137 in Milch, Kanton Thurgau 86/87

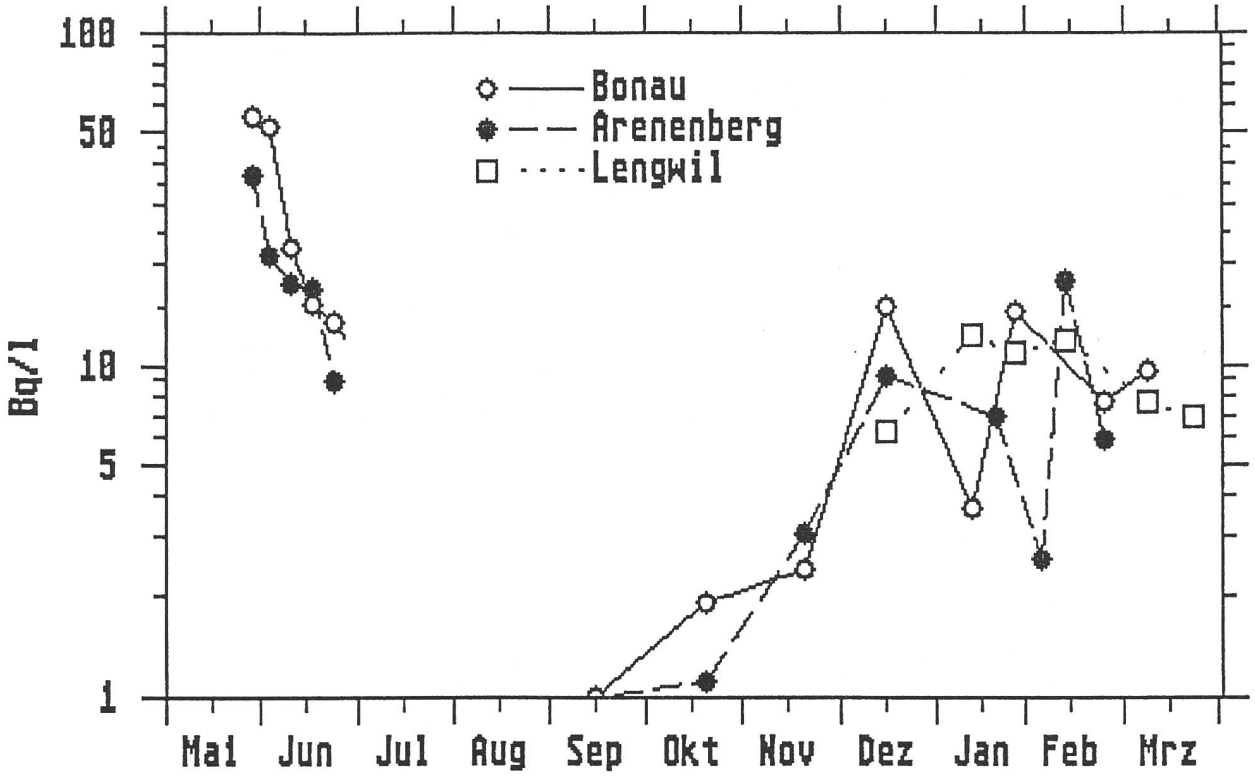



Fig.5.27.f: Cs-137 in Milch, Altstätten/SG 86/87

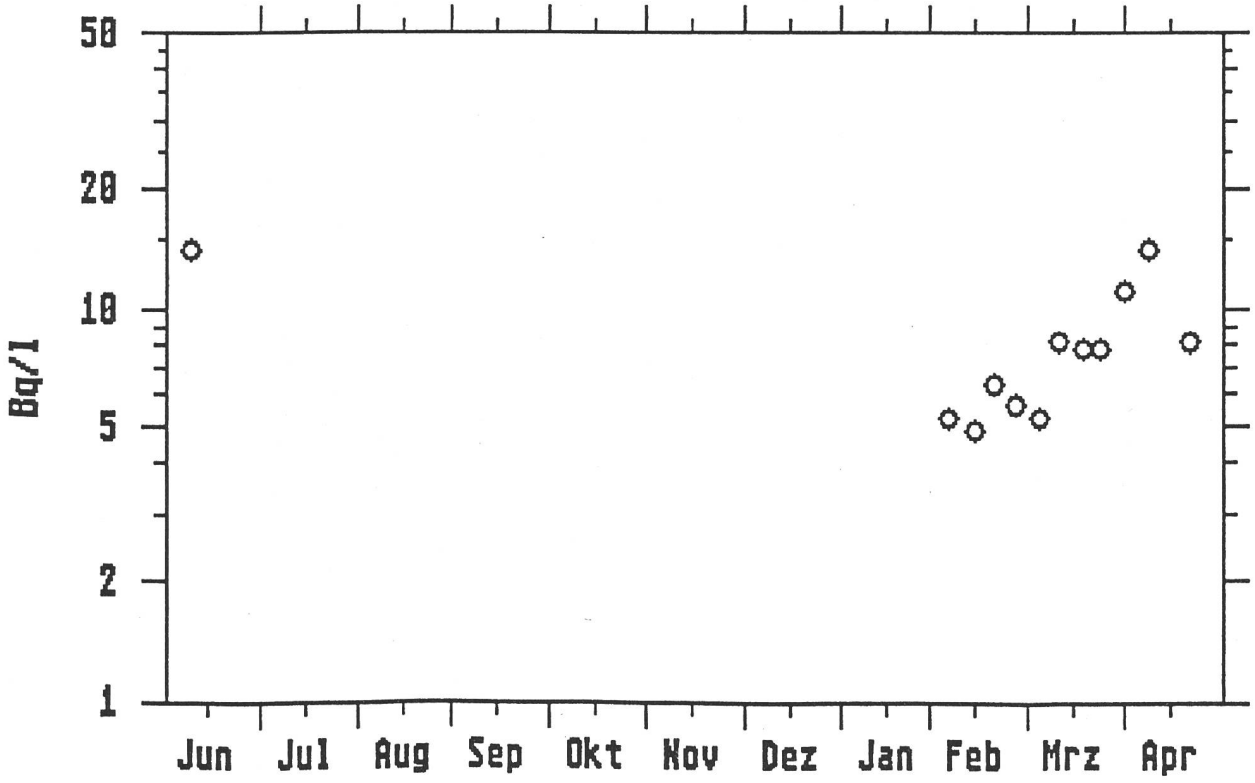


Fig.5.28.a: Cs-137 in Schafmilch, Tessin

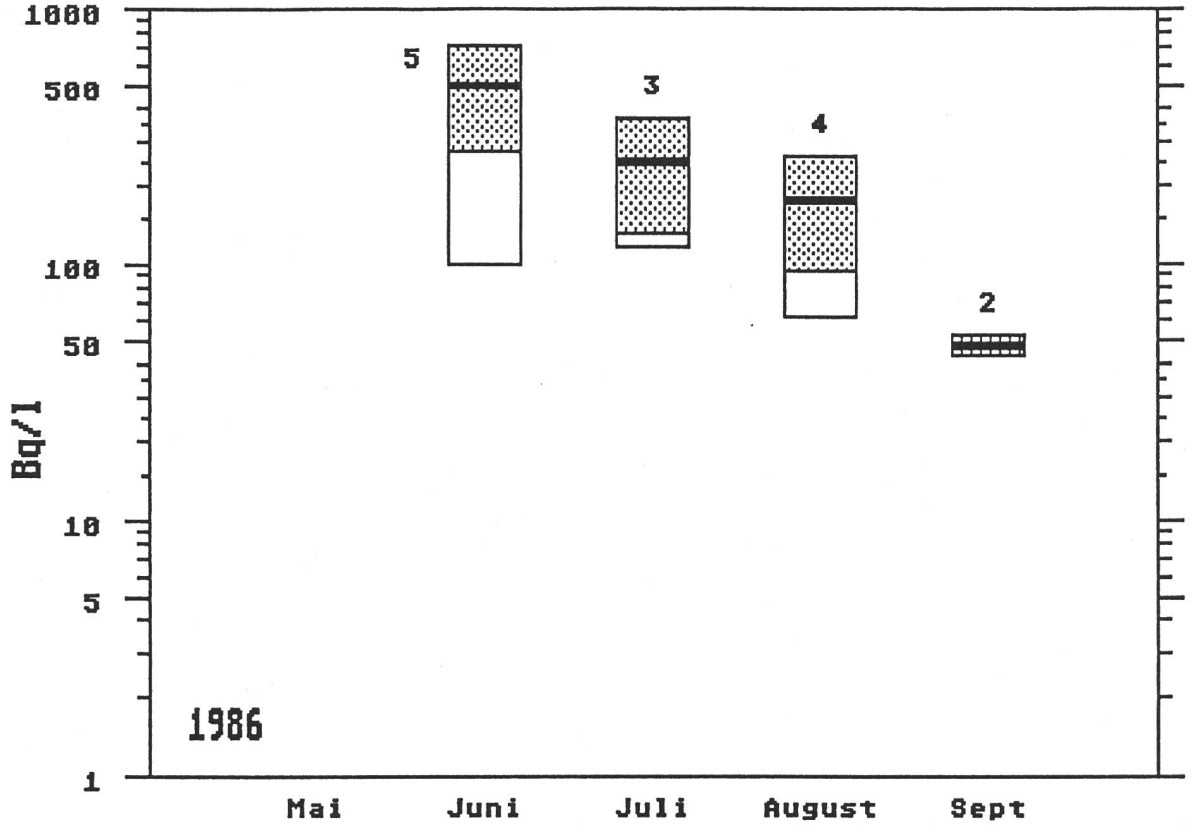



Fig.5.28.b: J-131 in Schafmilch, Tessin

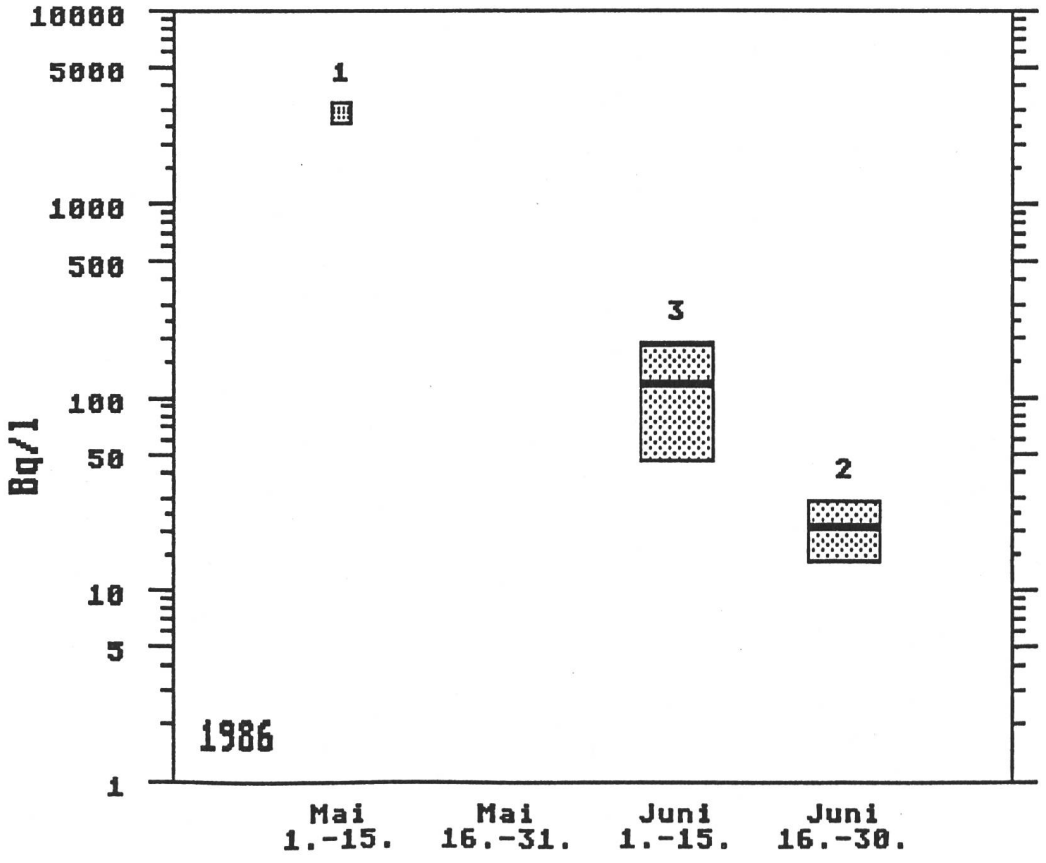


Fig.5.28.c: Cs-137 in Schafmilch, Ostschweiz

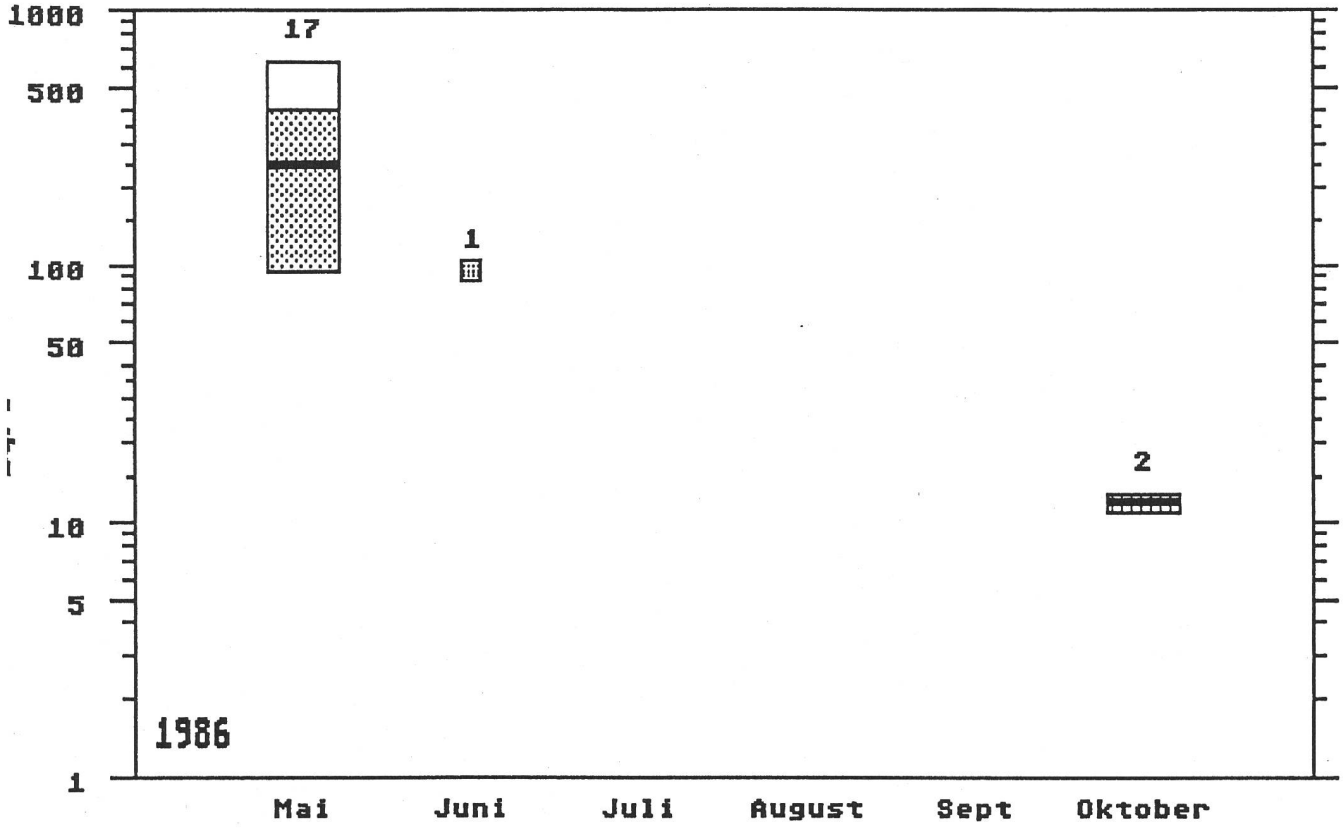



Fig.5.28.d: J-131 in Schafmilch, Ostschweiz

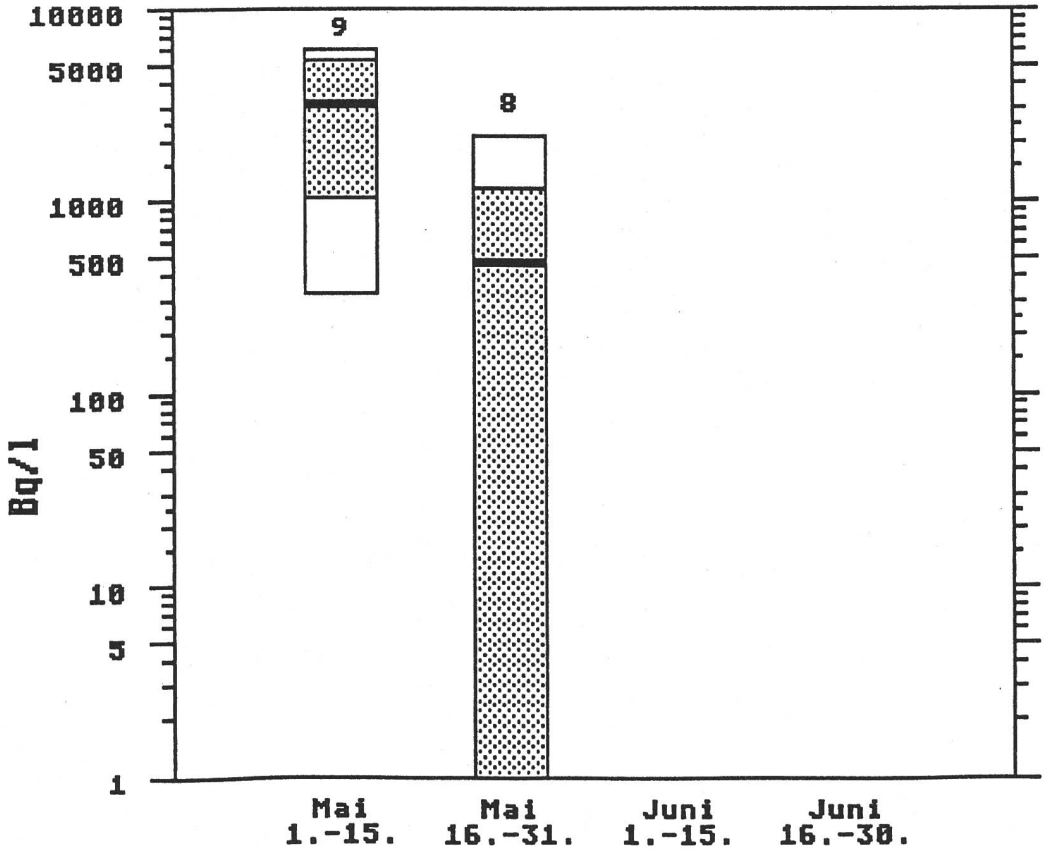


Fig.5.28.e: Cs-137 in Schafmilch
Zentral- und Nordschweiz

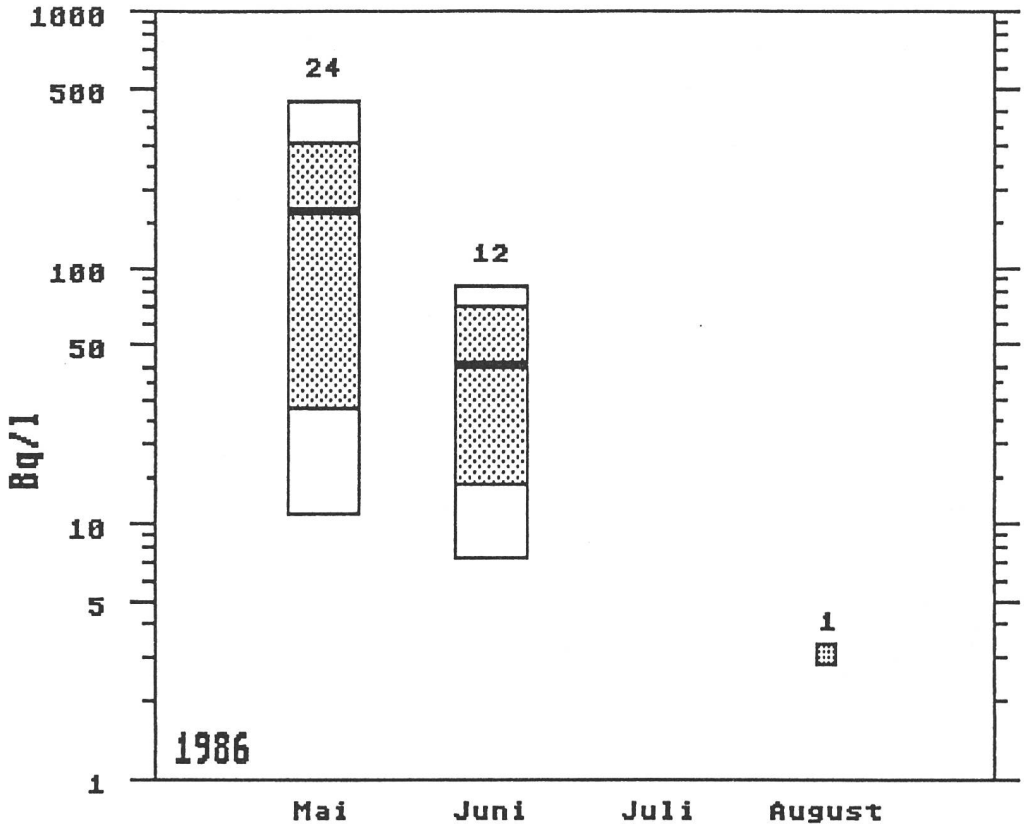



Fig.5.28.f: J-131 in Schafmilch
Zentral- und Nordschweiz

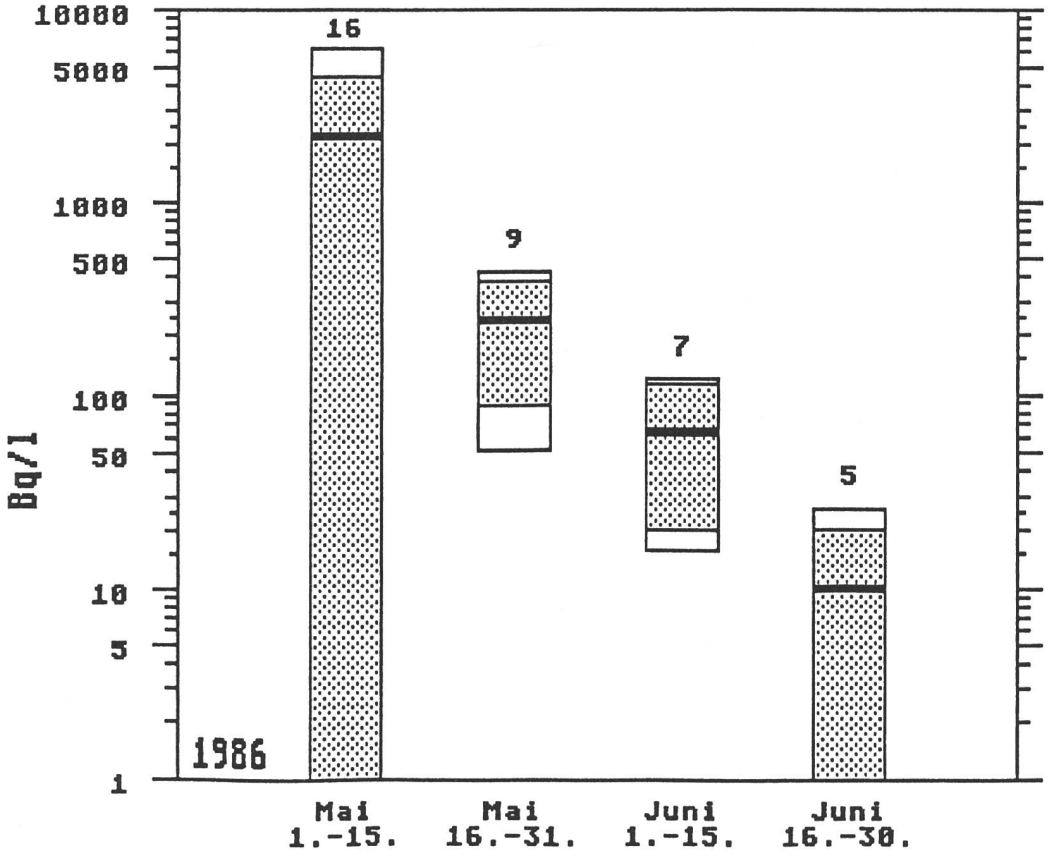


Fig.5.28.g: Cs-137 in Schafmilch, Westschweiz

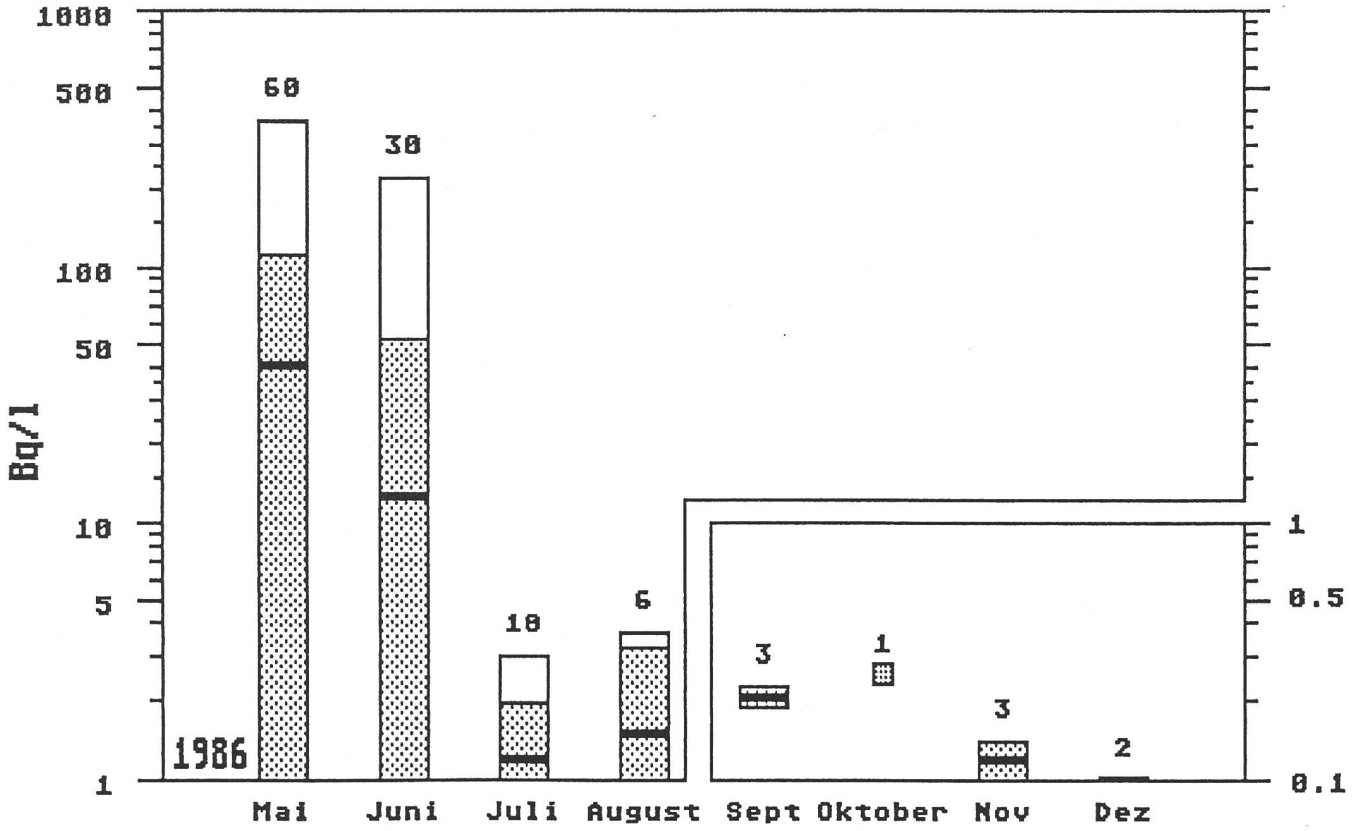



Fig.5.28.h: J-131 in Schafmilch, Westschweiz

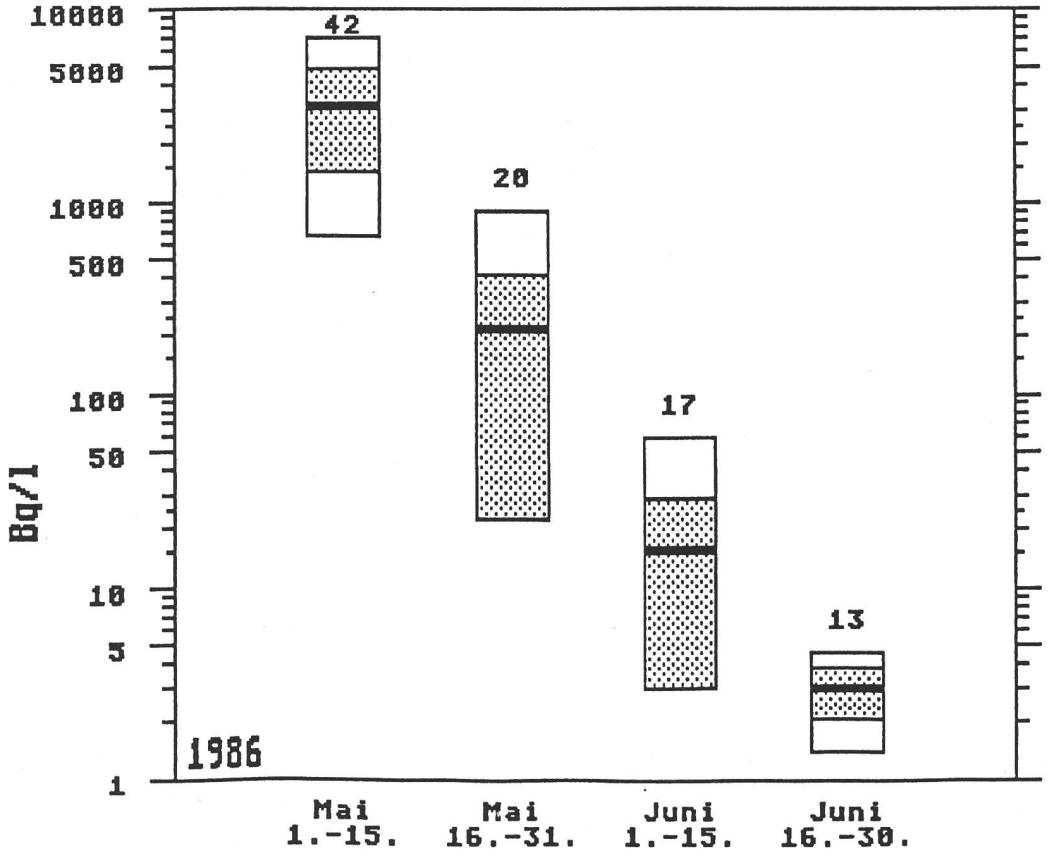


Fig.5.28.i: Cs-137 in Ziegenmilch, Tessin

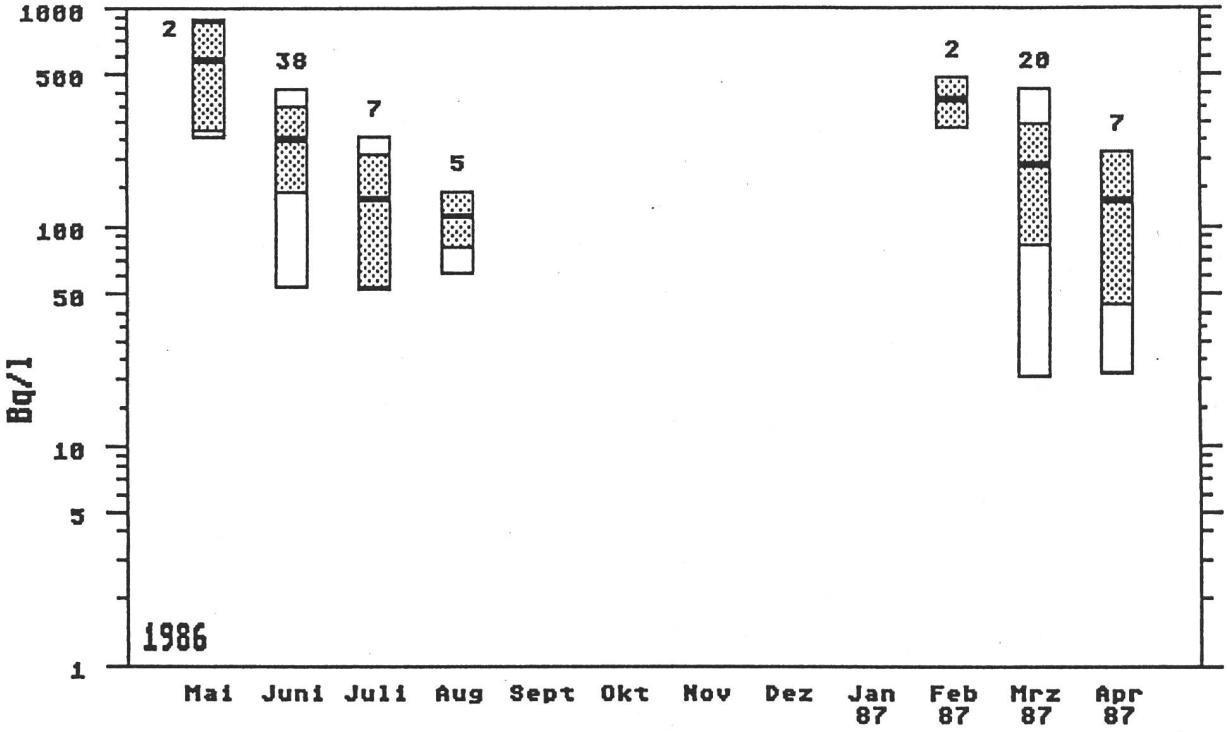



Fig.5.28.k: J-131 in Ziegenmilch, Tessin

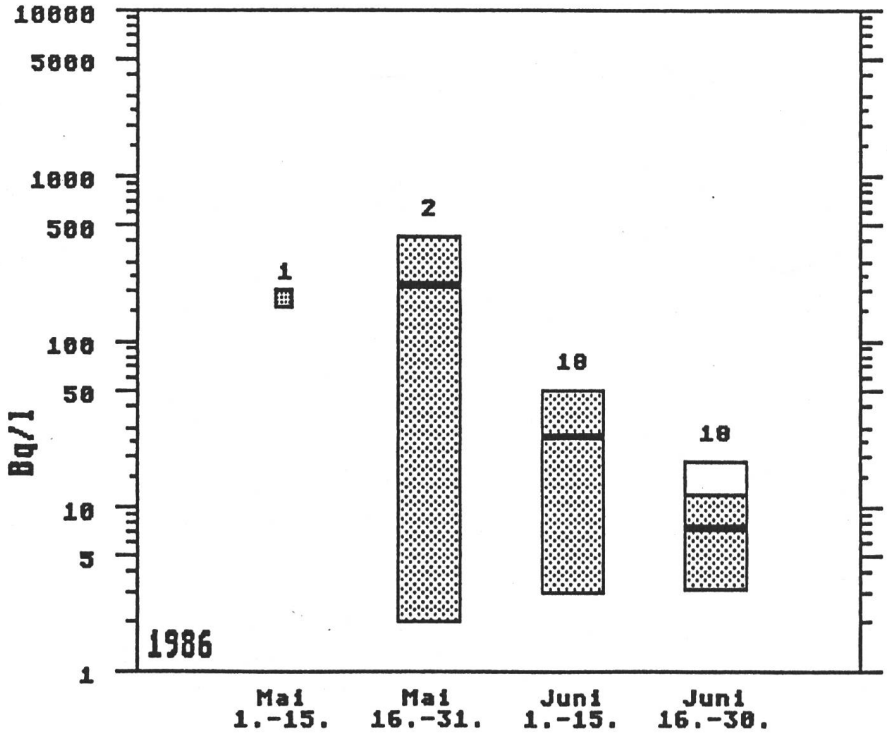


Fig.5.28.l: Cs-137 in Ziegenmilch, Westschweiz

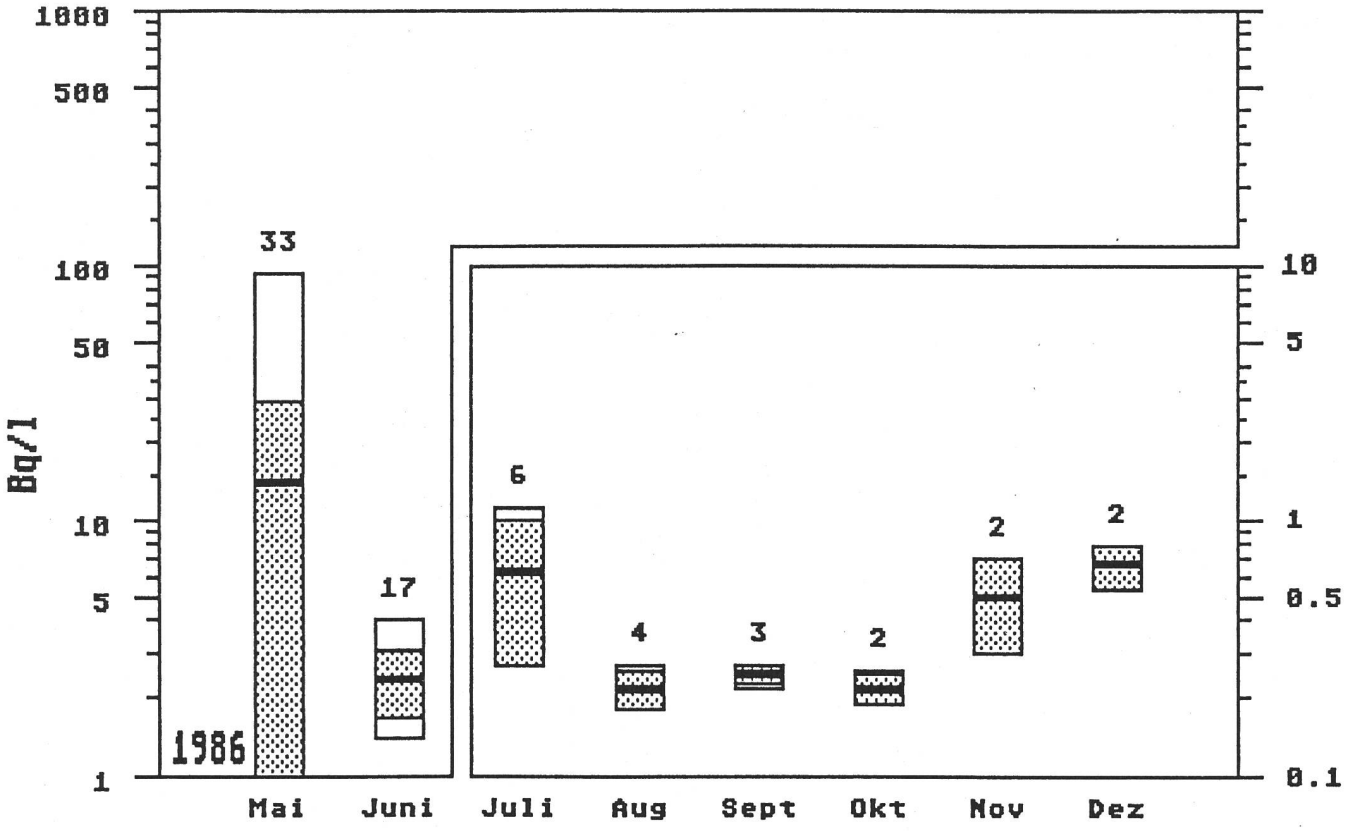



Fig.5.28.m: J-131 in Ziegenmilch, Westschweiz

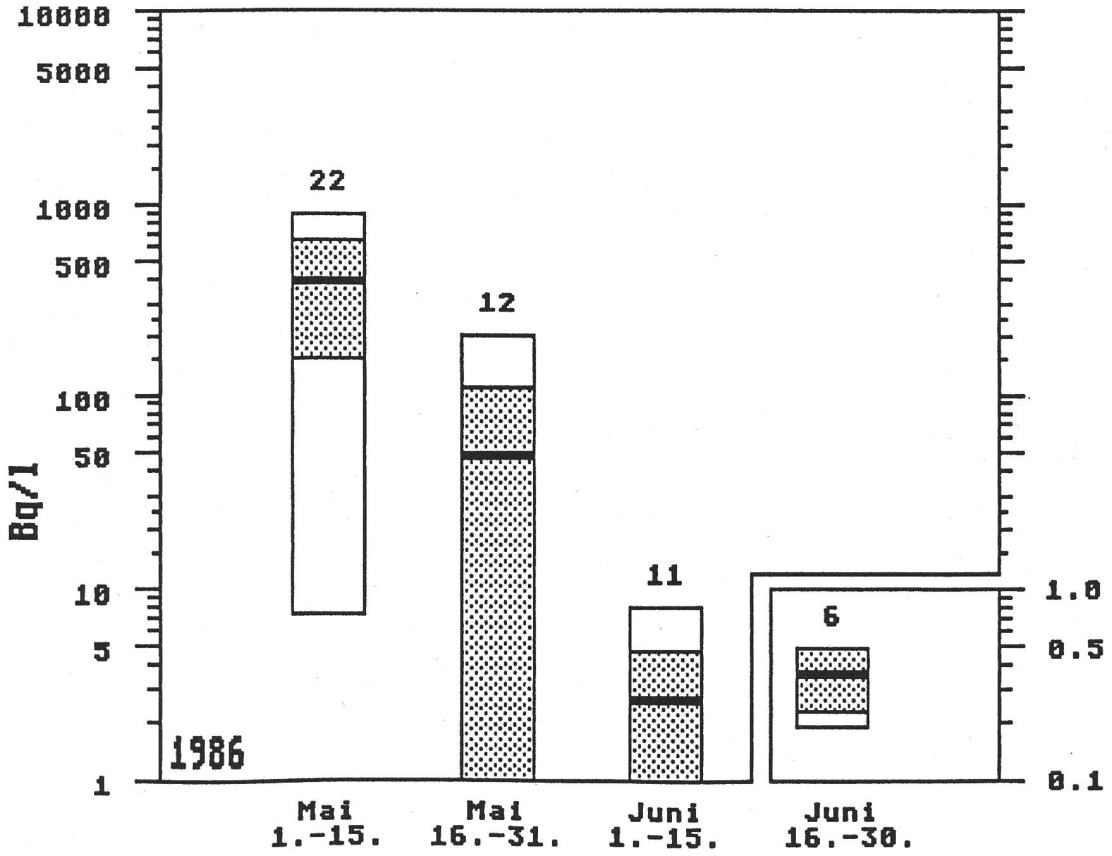


Fig.5.28.n: Ziegenmilch Hondrich /BE 1986

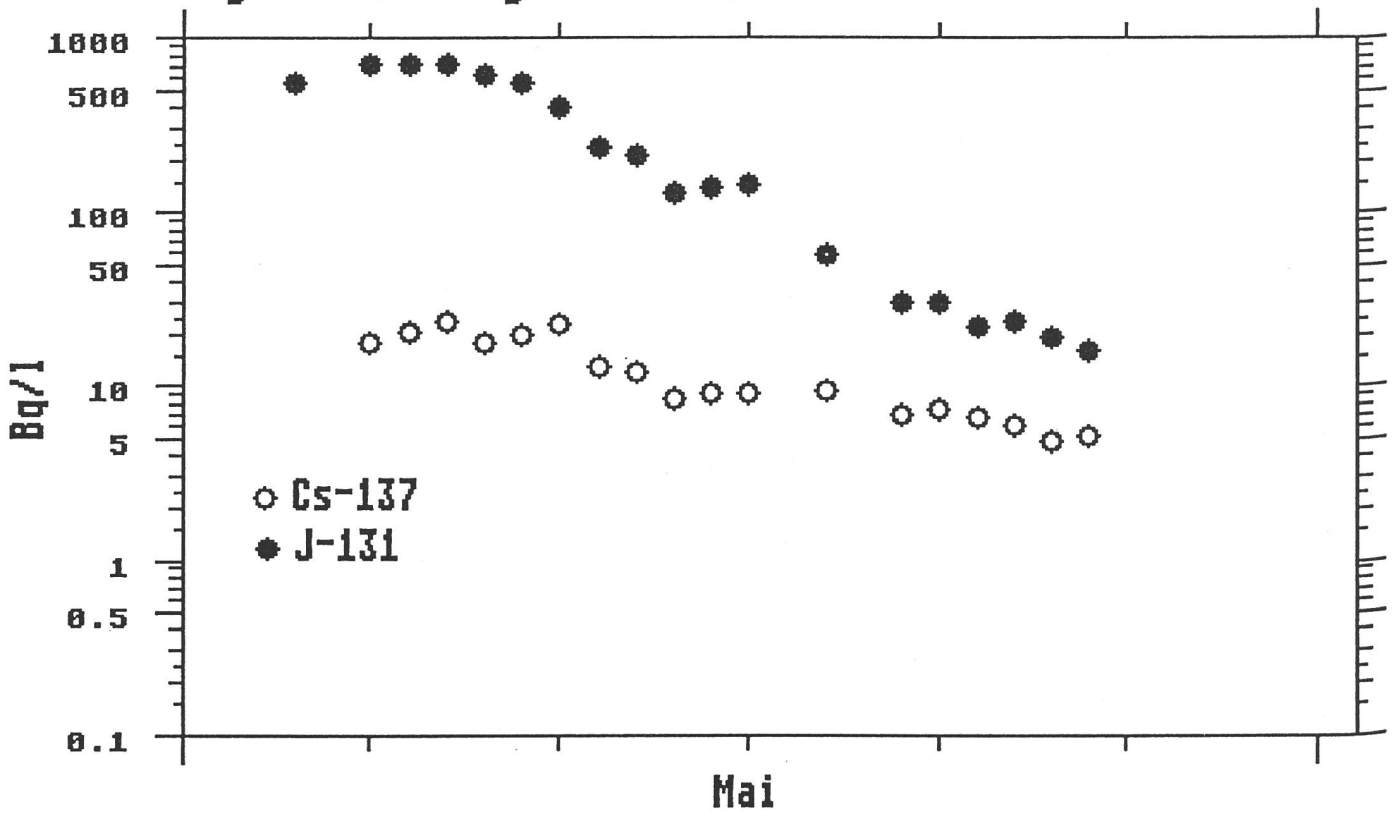



Fig.5.28.o: Ziegenmilch Einigen /BE 1986

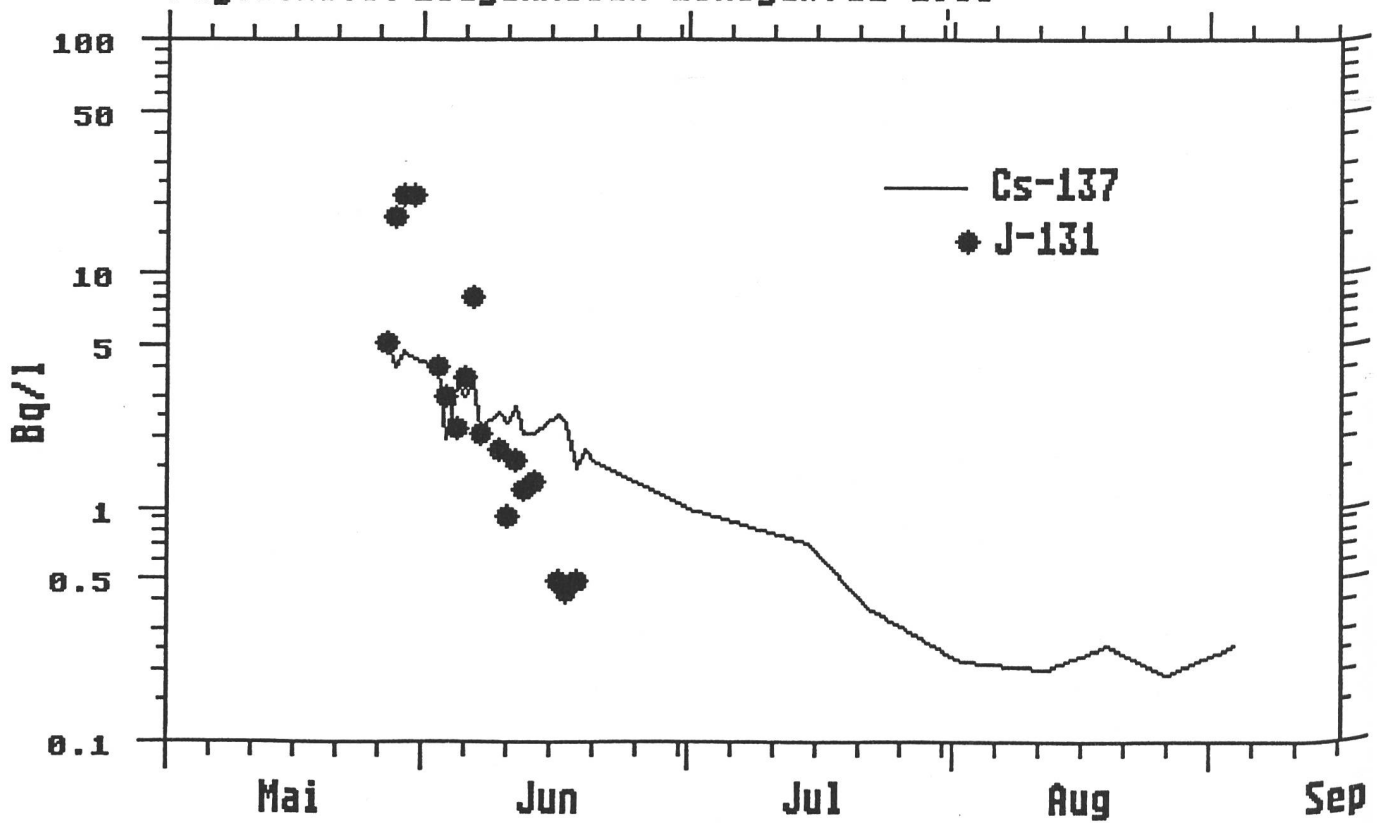


Fig.5.28.p: Schafmilch Spiez/BE 1986

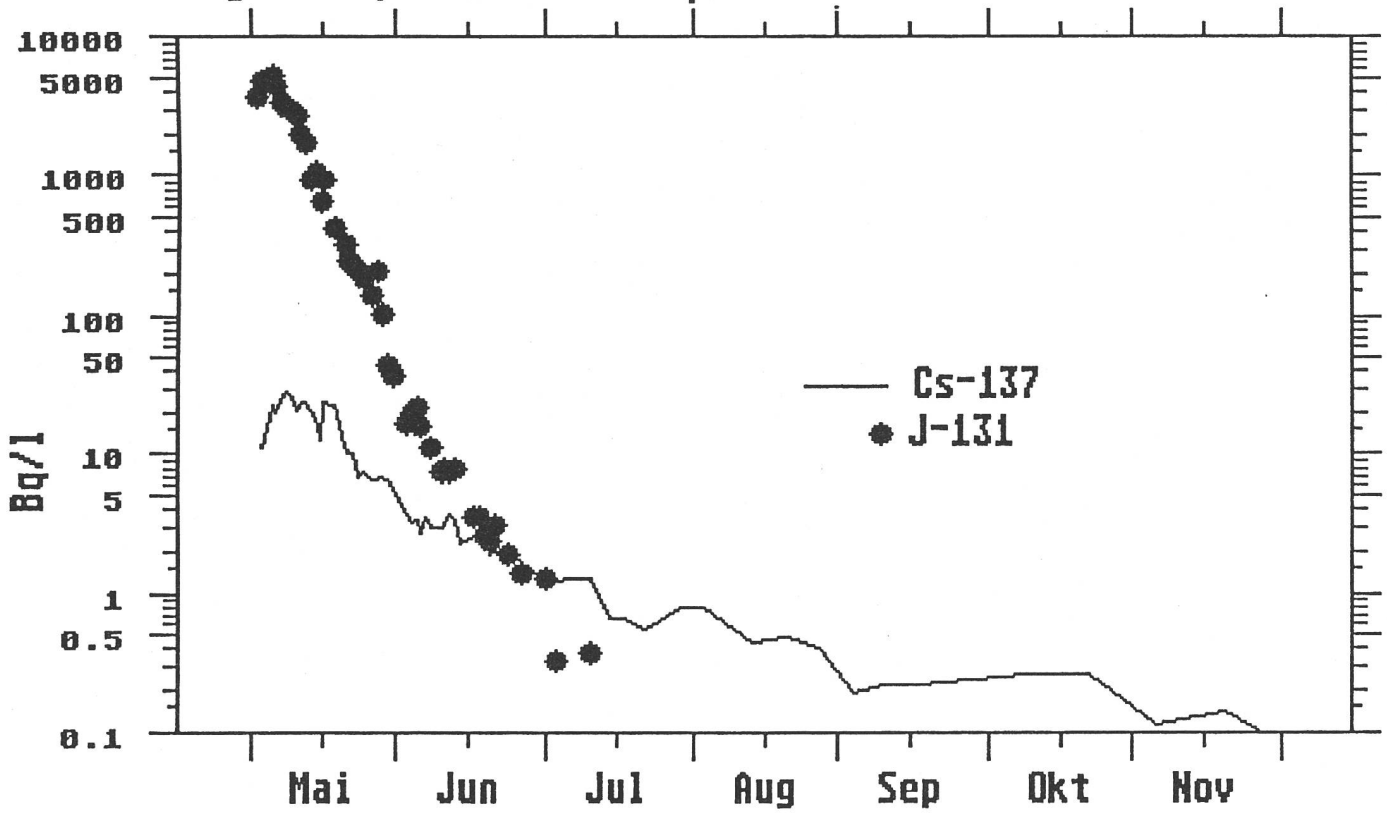


Fig.5.29.a: Cs-137 in Schafkäse, ganze Schweiz

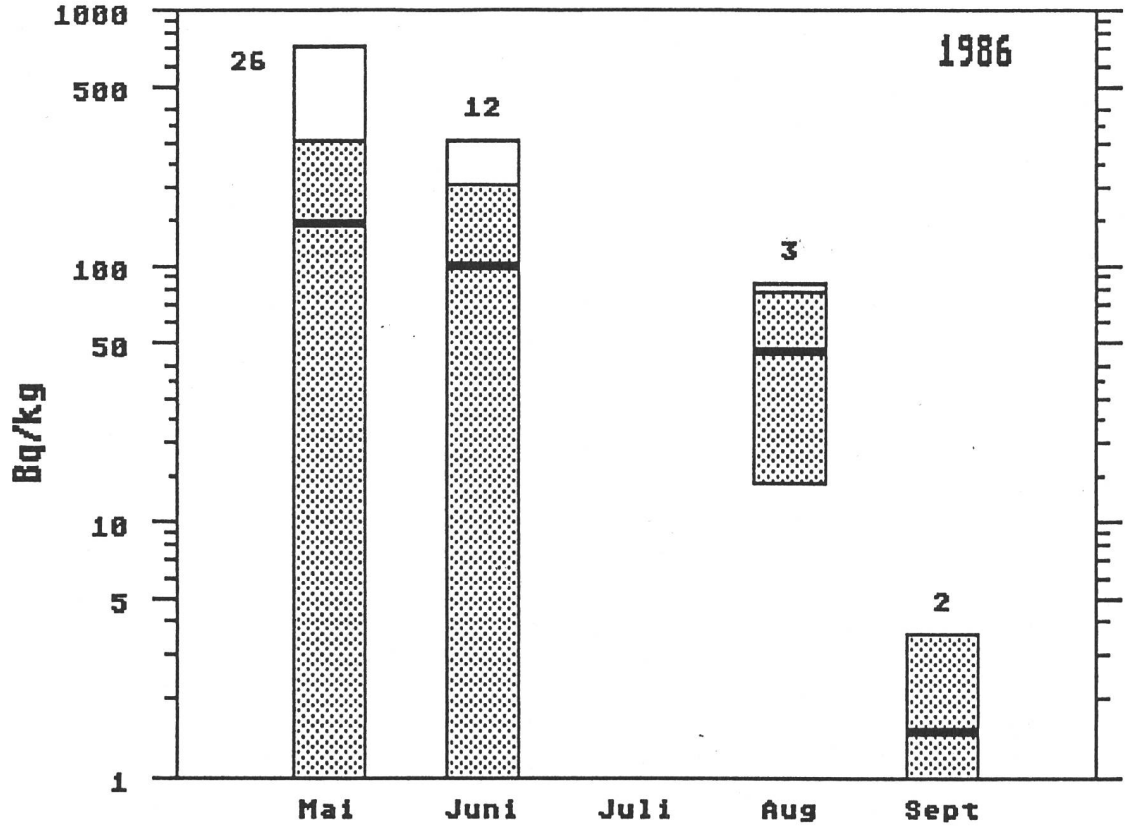



Fig.5.29.b: J-131 in Schafkäse, ganze Schweiz

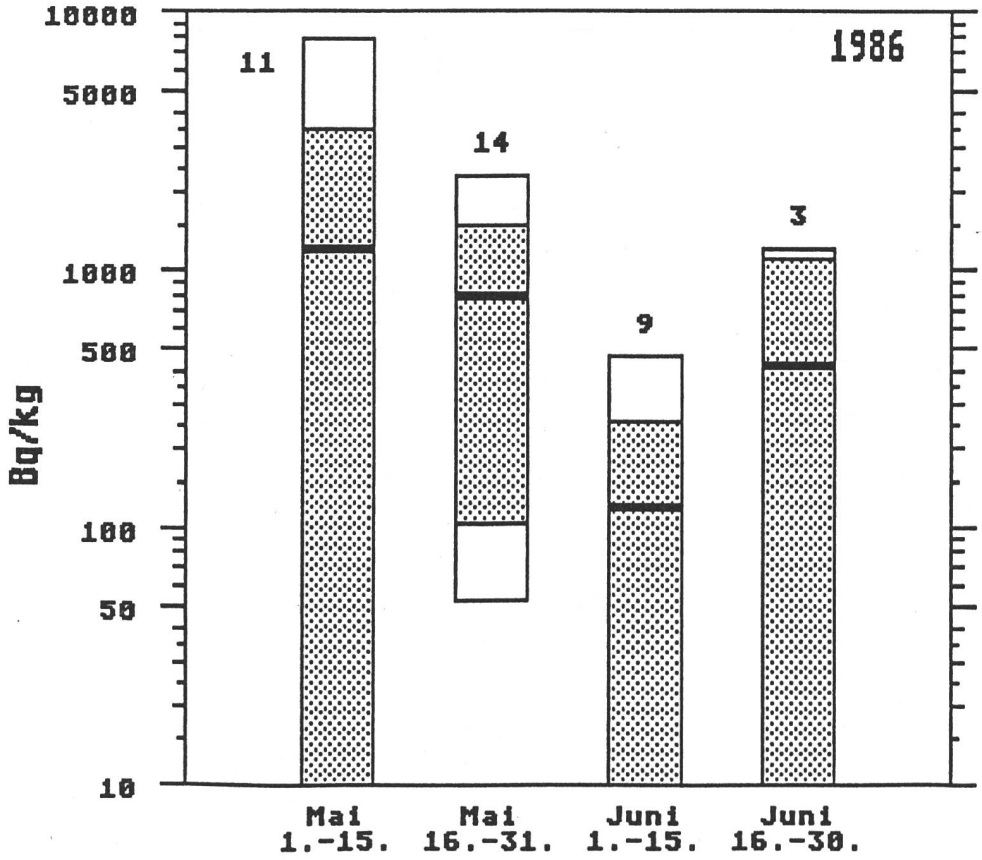


Fig.5.29.c: Cs-137 in Ziegenkäse, ganze Schweiz

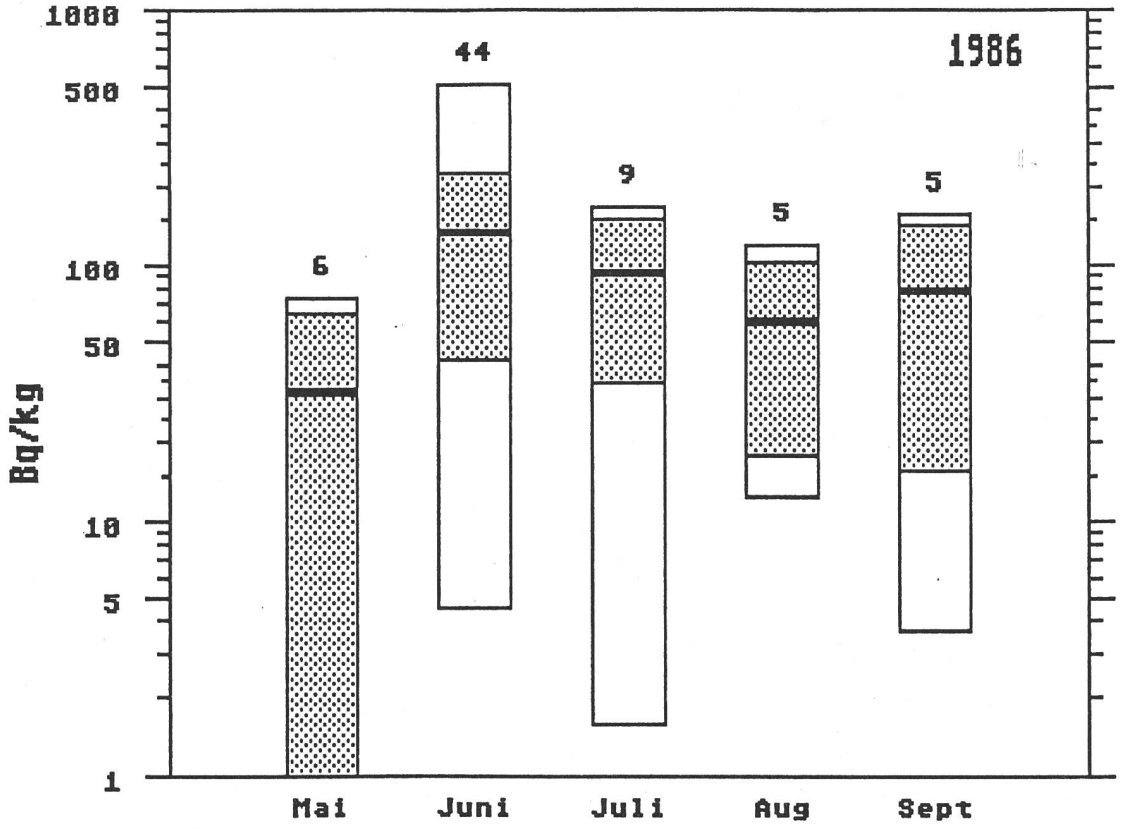



Fig.5.29.d: J-131 in Ziegenkäse, ganze Schweiz

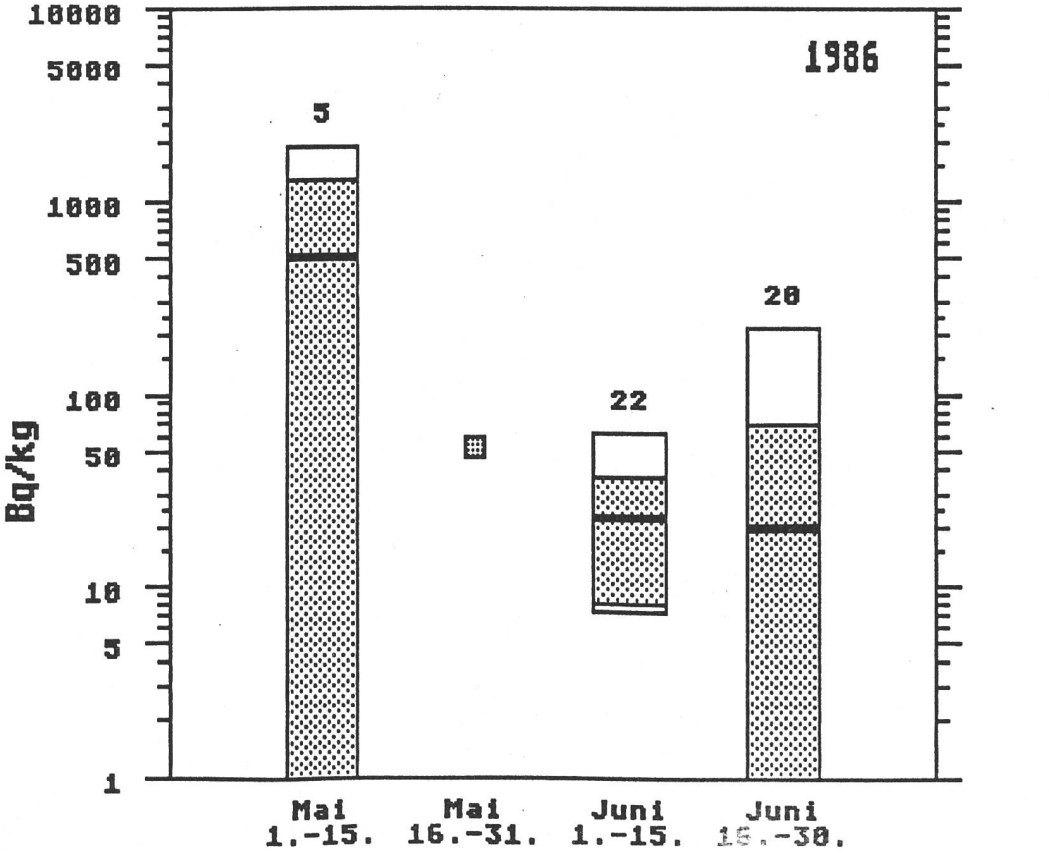


Fig.5.29.e: Cs-137 in Käse (Kuhmilch), Tessin

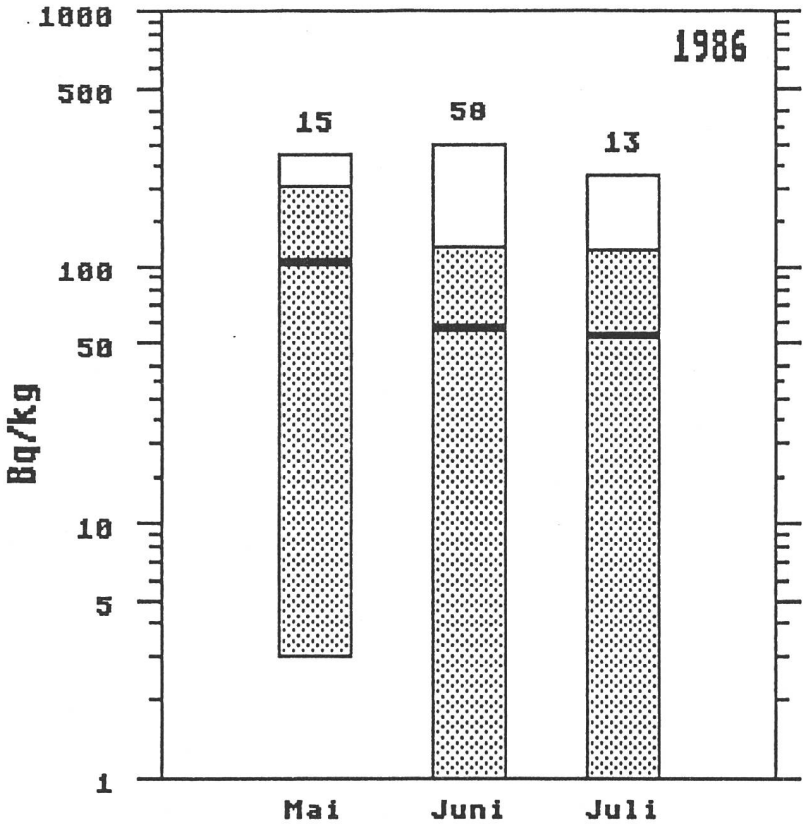



Fig.5.29.f: J-131 in Käse (Kuhmilch), Tessin

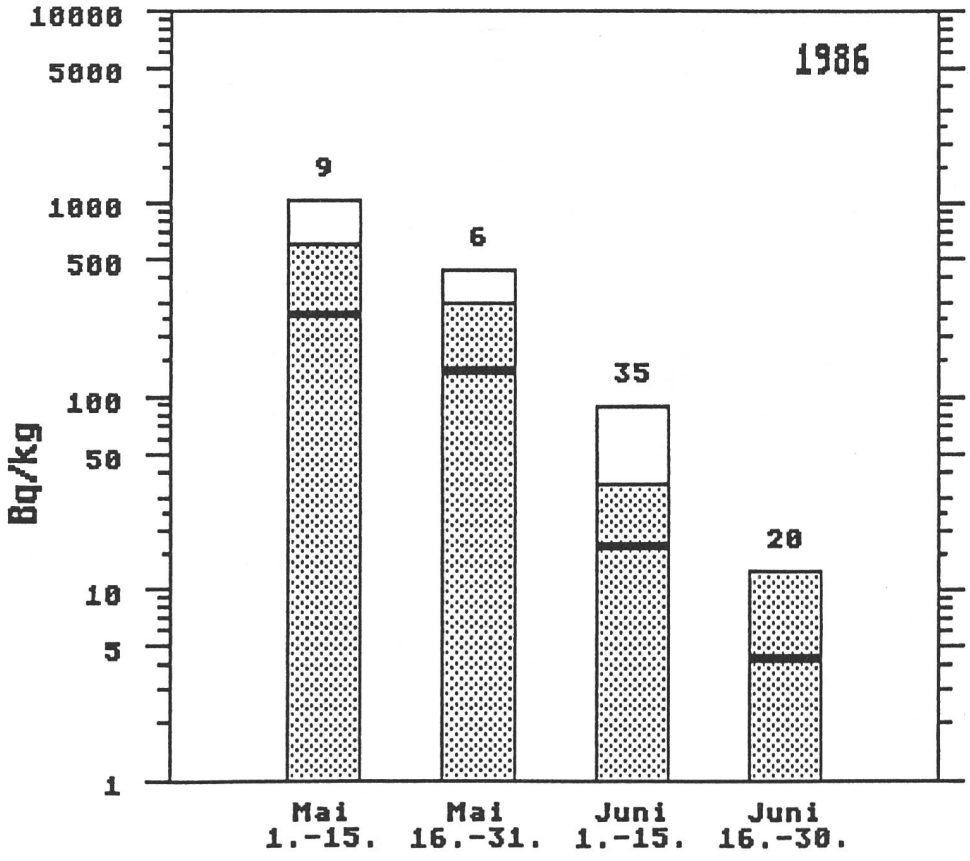


Fig.5.30.a: Cs-137 in Fischen, Lago Ceresio (Luganersee)

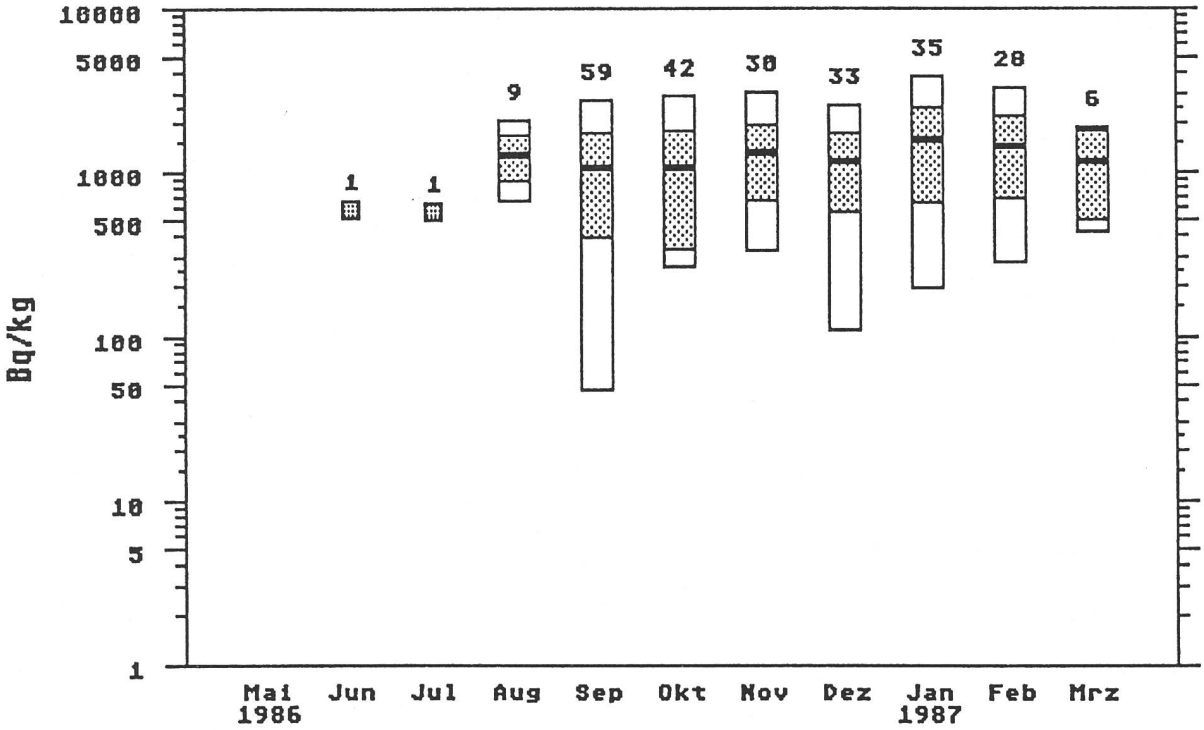



Fig.5.30.b: Cs-137 in Fischen, Lago Ceresio (Luganersee)

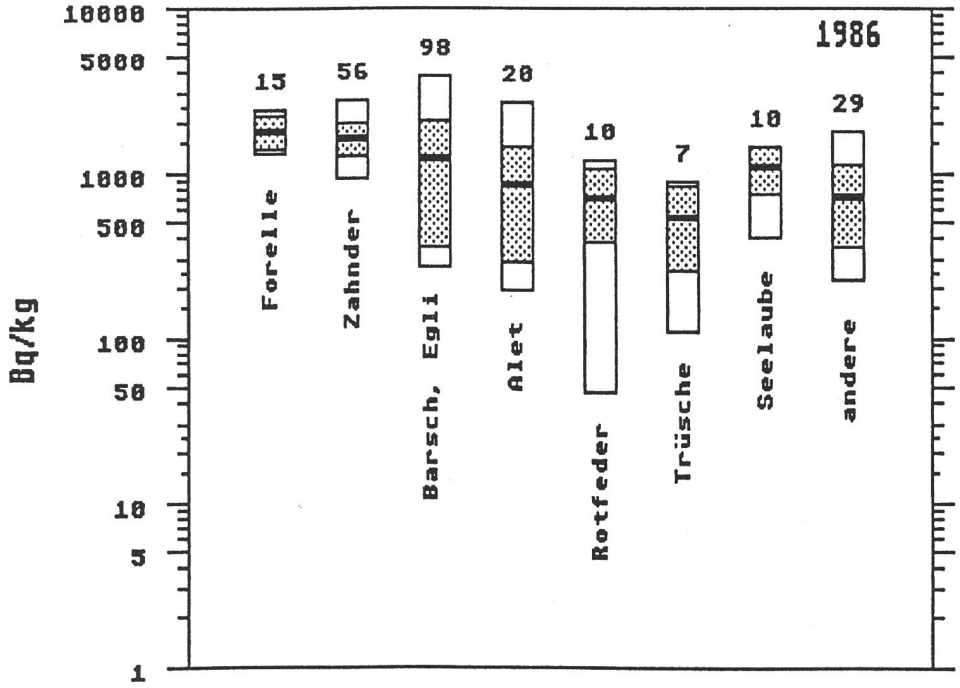


Fig.5.30.c: Cs-137 in Fischen, Lago Maggiore

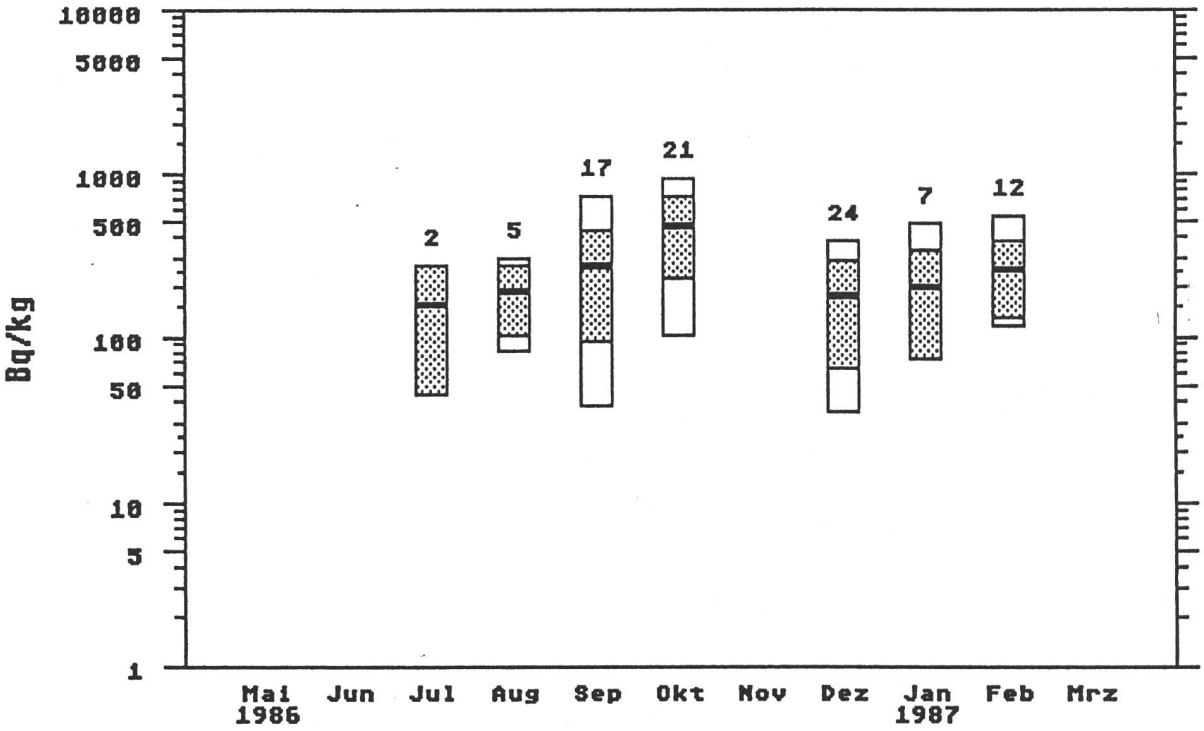



Fig.5.30.d: Cs-137 in Fischen, Tessin

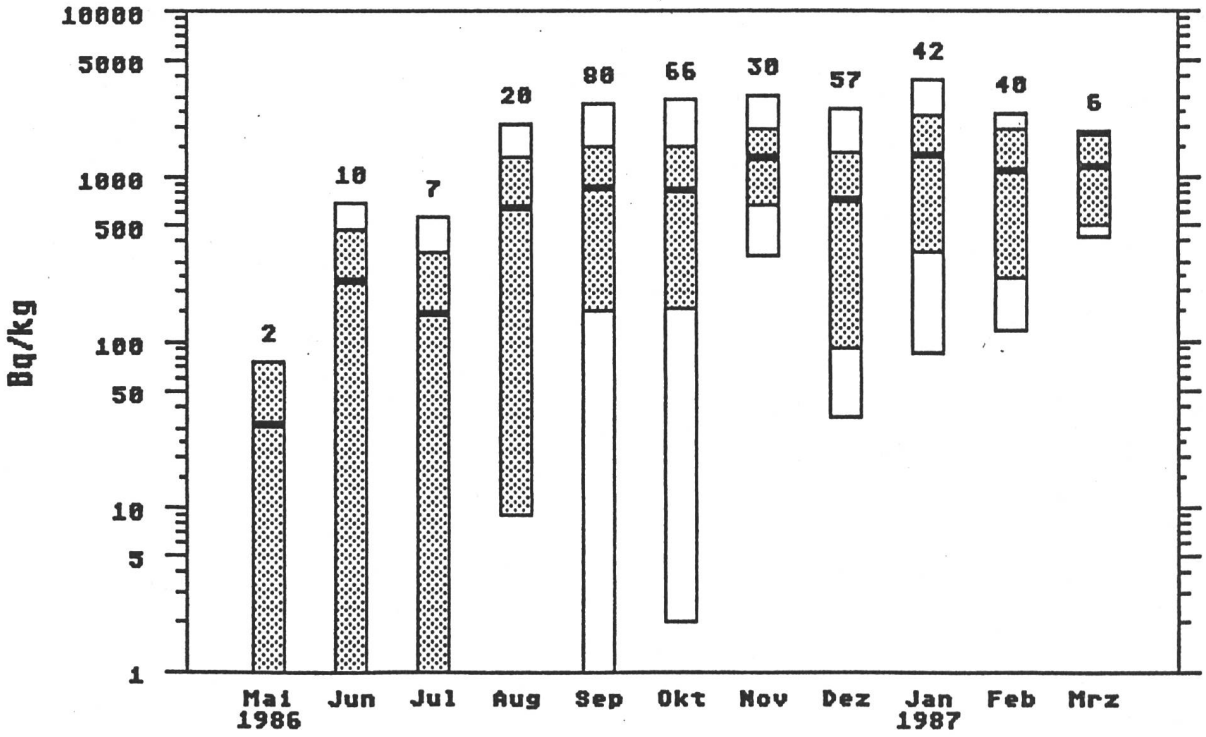


Fig.5.30.e: Cs-137 in Fischen, Bodensee

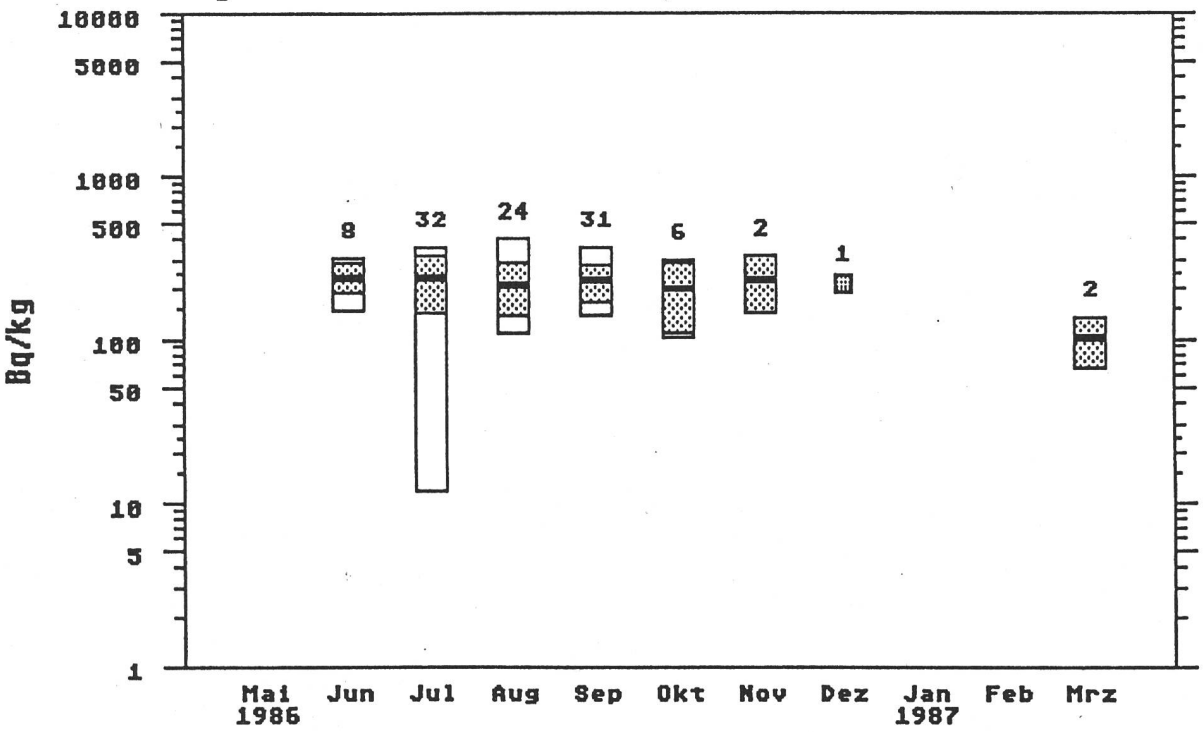



Fig.5.30.f: Cs-137 in Fischen, Übrige Schweiz

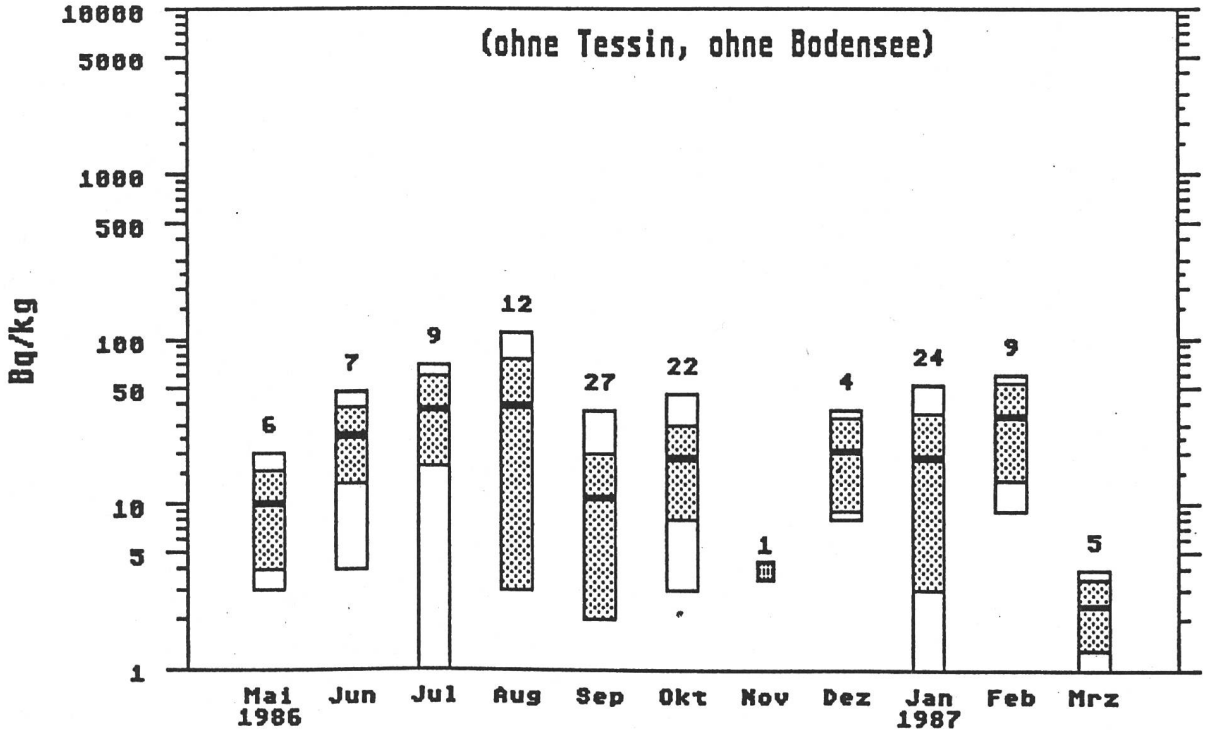


Fig.5.30.g: Cs-137 in Fischen 1986

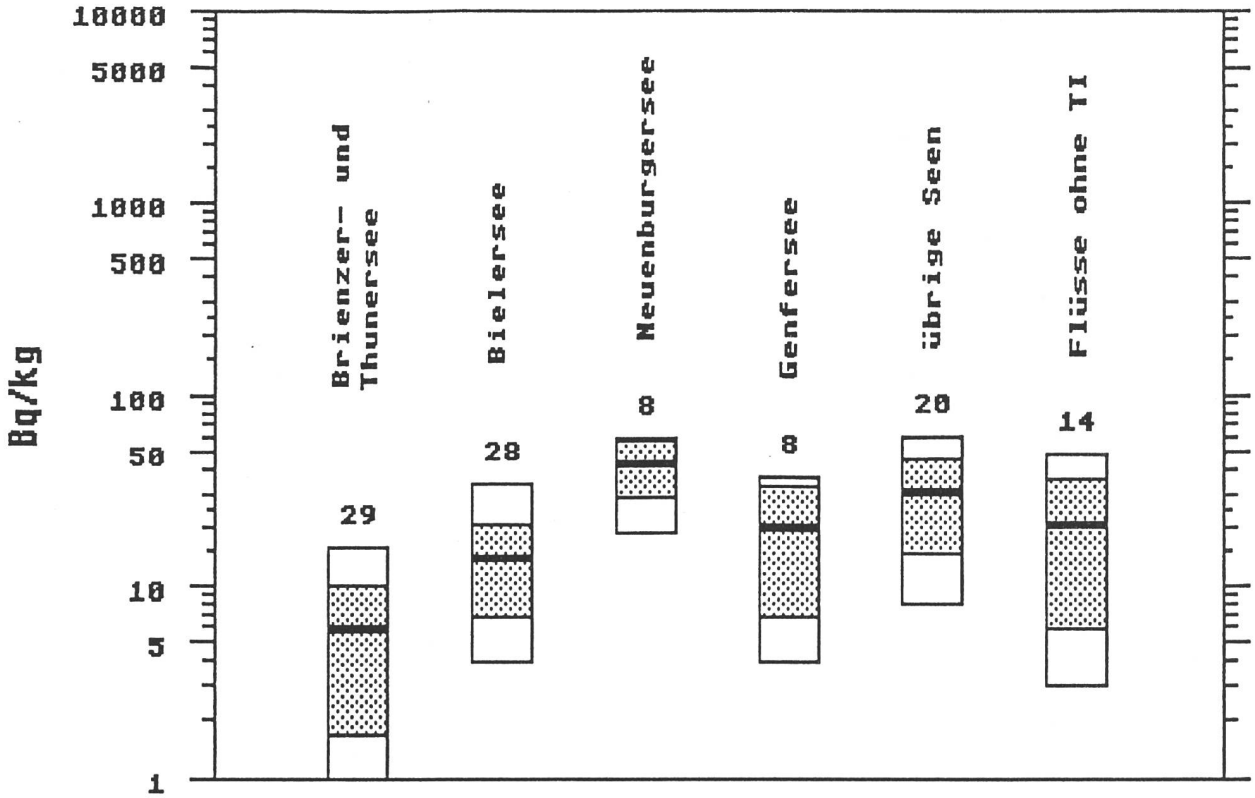



Fig.5.30.h: Cs-137 in Fischen 1986

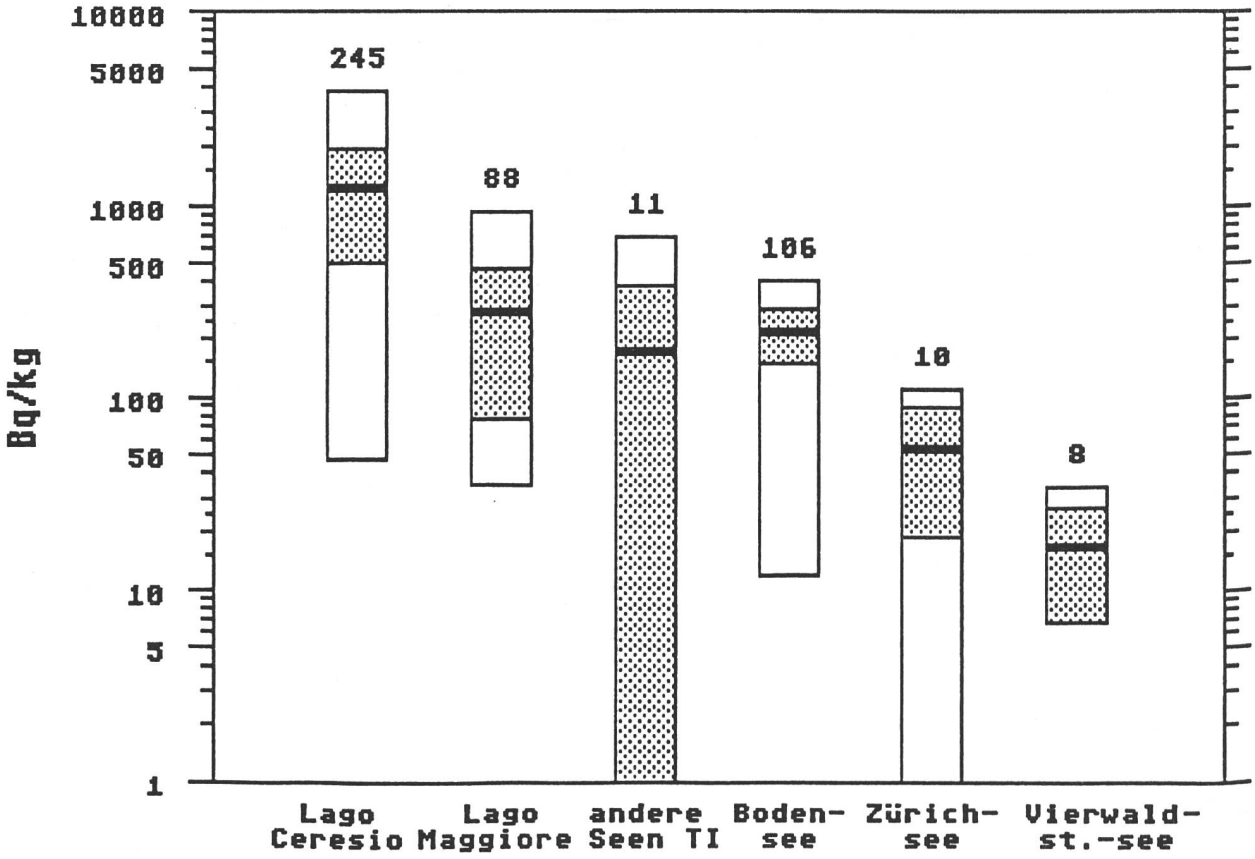


Fig.5.31.a: Cs-137 im Wild, Tessin

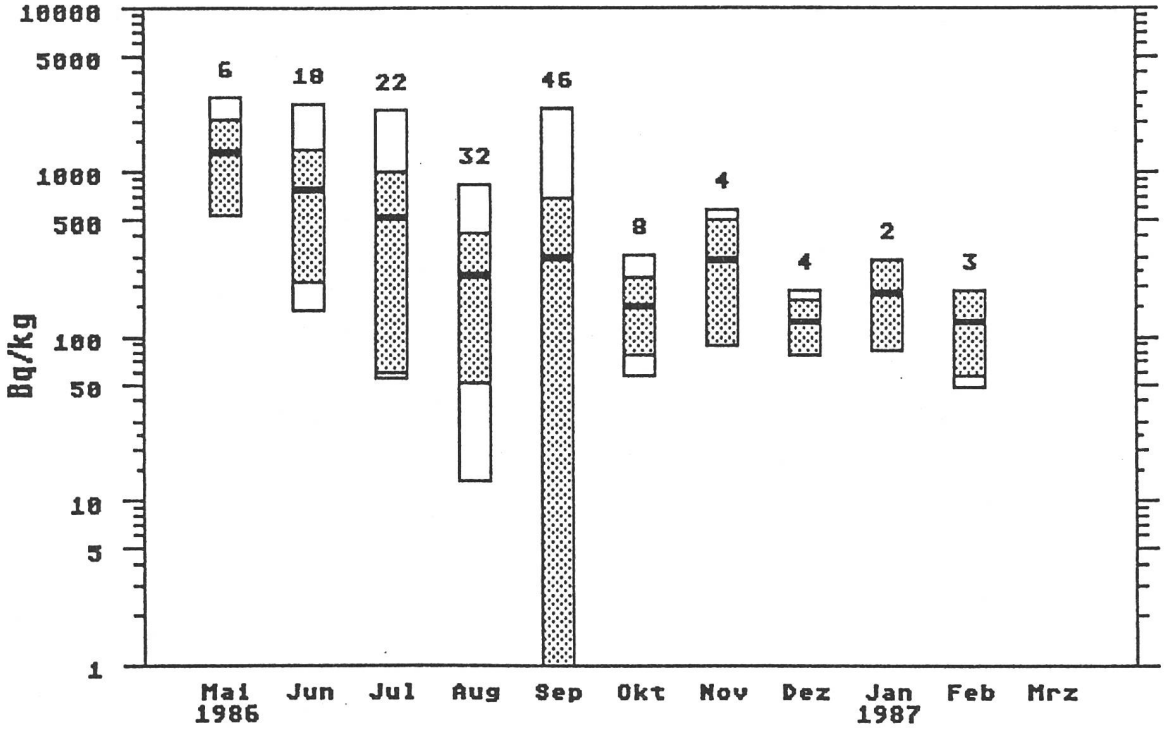



Fig.5.31.b: Cs-137 im Wild, Ostschweiz

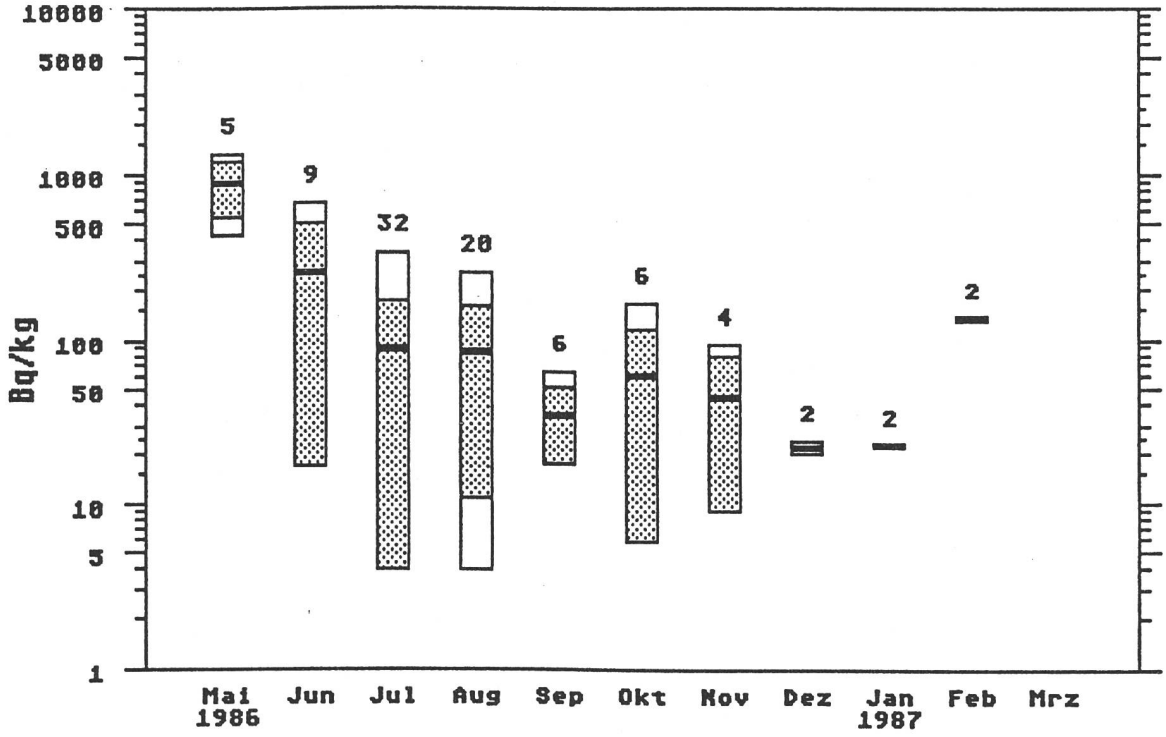


Fig.5.31.c: Cs-137 im Wild, TI/GR 1986

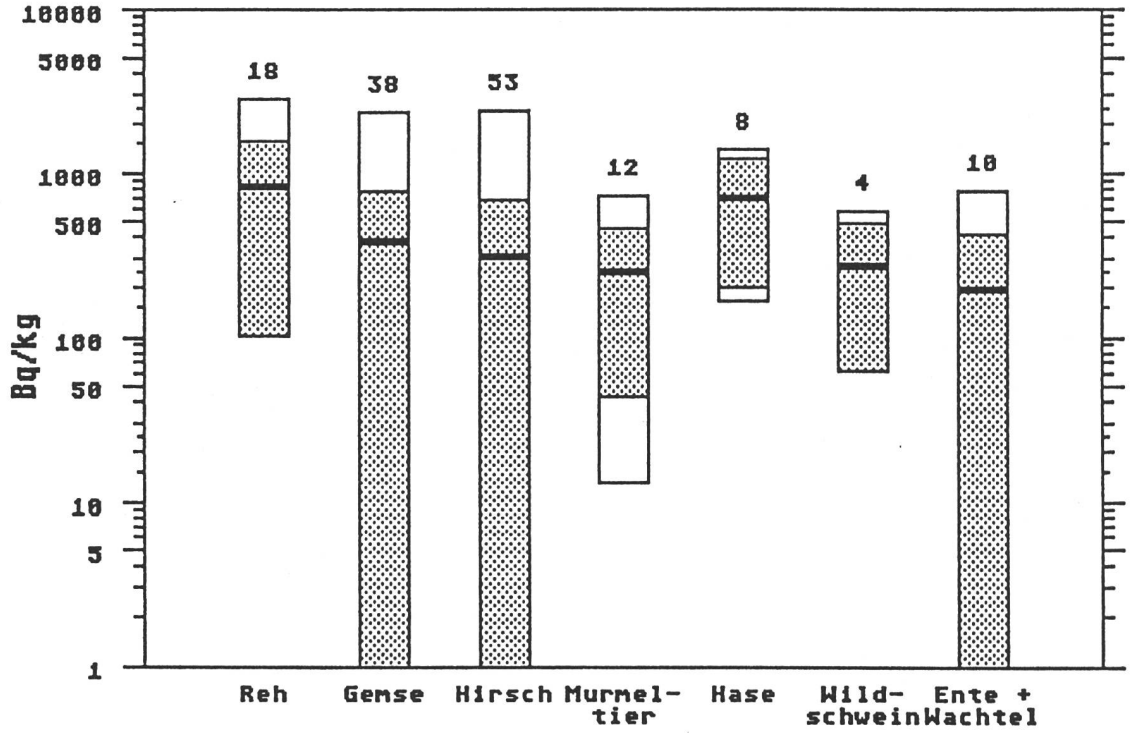



Fig.5.31.d: Cs-137 im Wild, Ostschweiz 1986

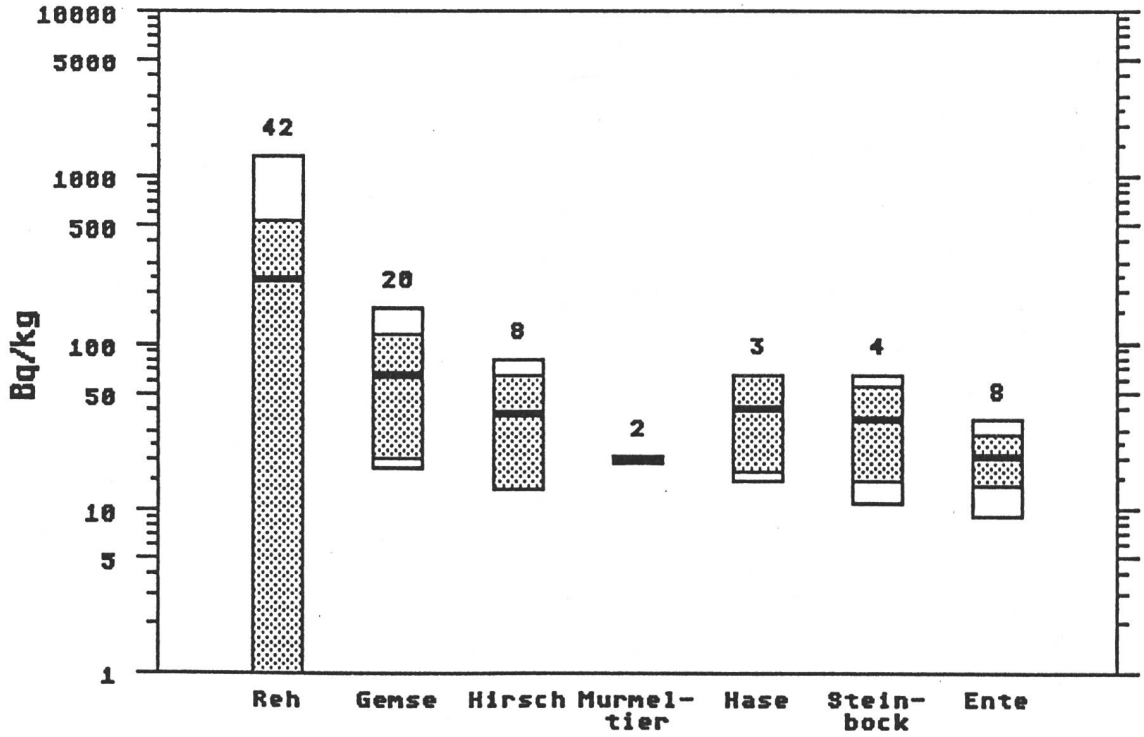


Fig.5.32.a: Cs-137 in Schafen und Ziegen, Tessin

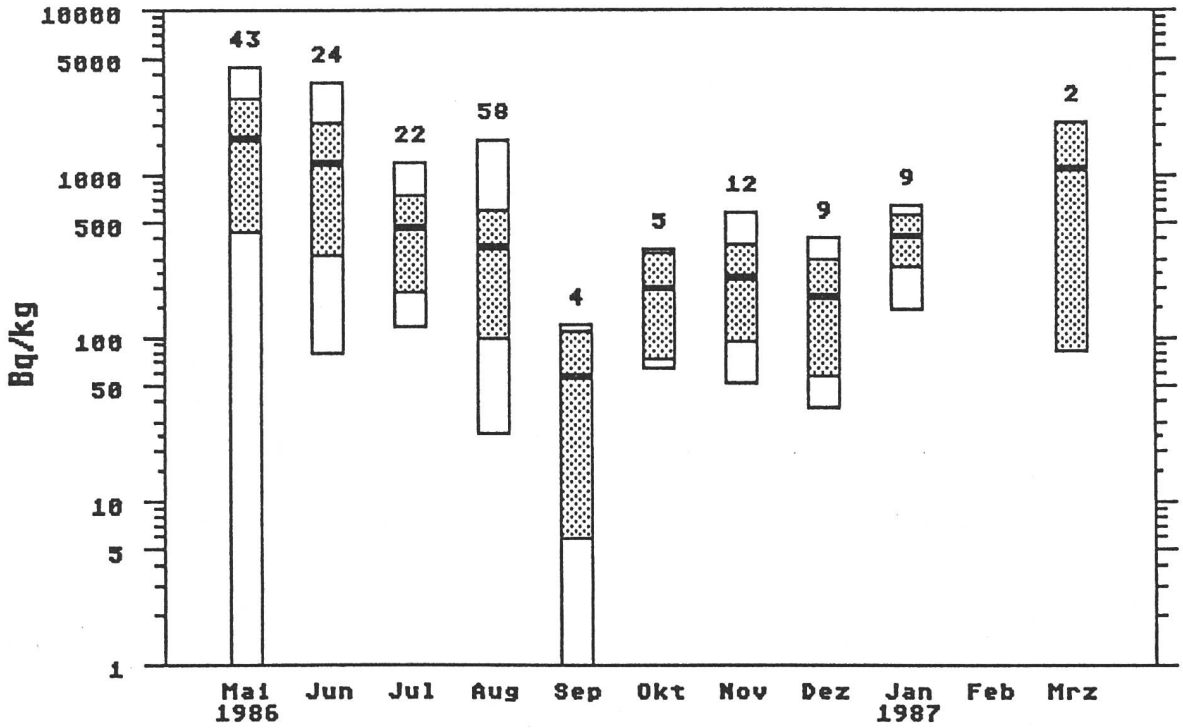



Fig.5.32.b: Cs-137 in Schafen und Ziegen, Ostschweiz

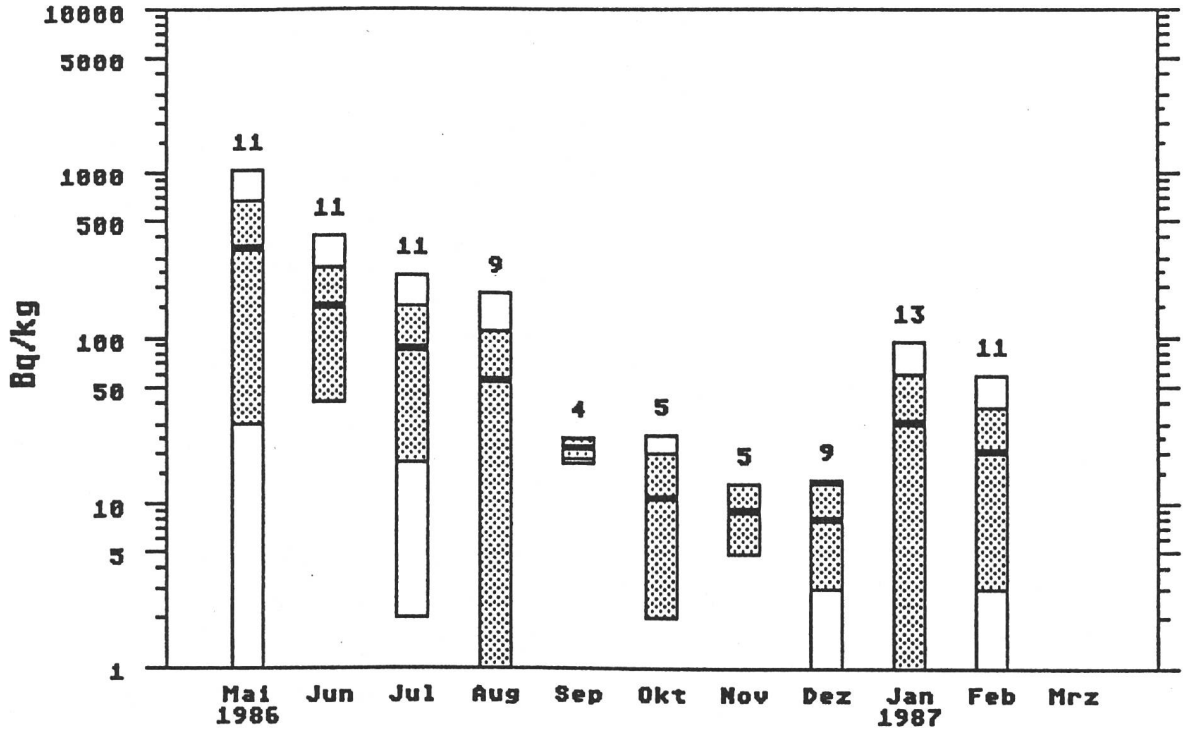


Fig.5.32.c: Cs-137 in Schafen und Ziegen, übrige Schweiz

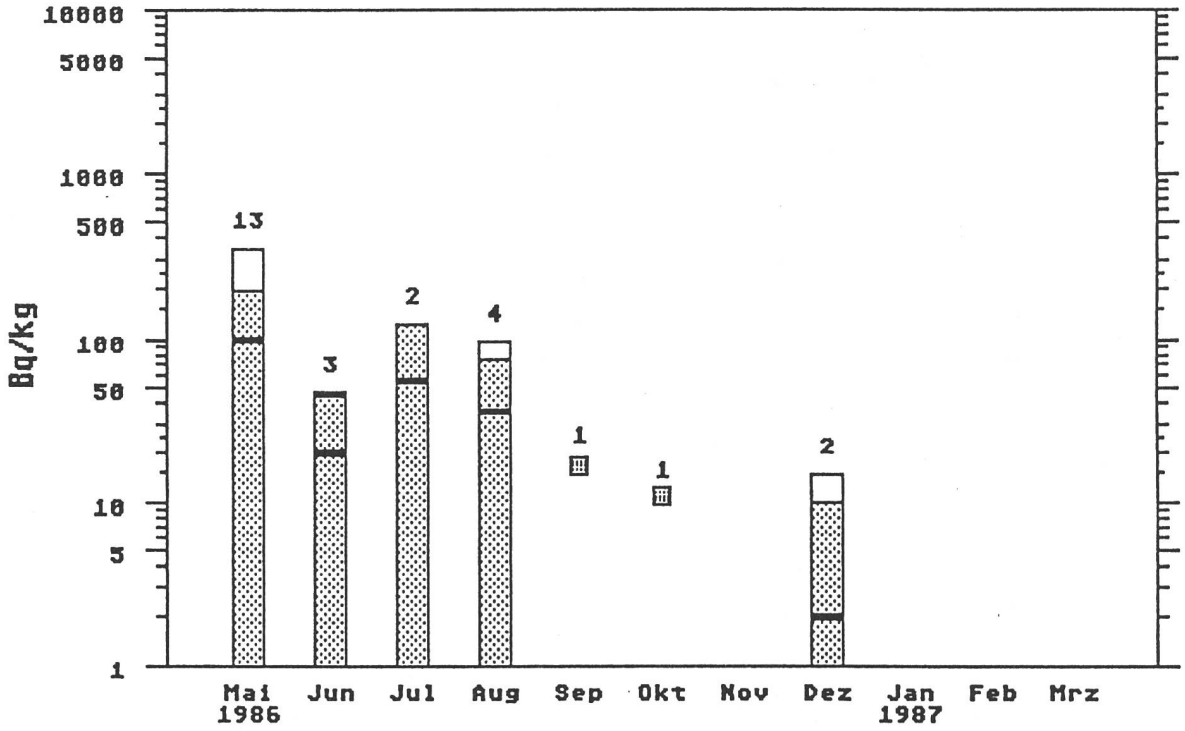



Fig.5.32.d: Cs-137 im Wild, übrige Schweiz

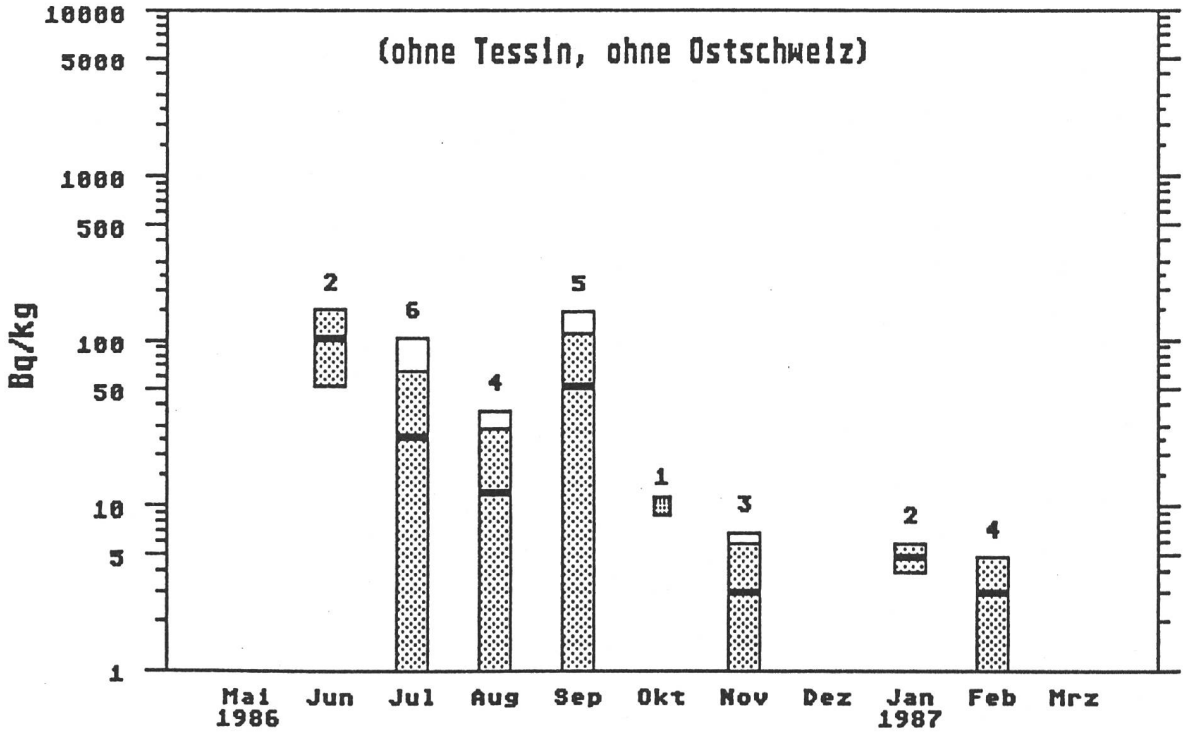


Fig.5.33.a: Cs-137 im Rind, Tessin

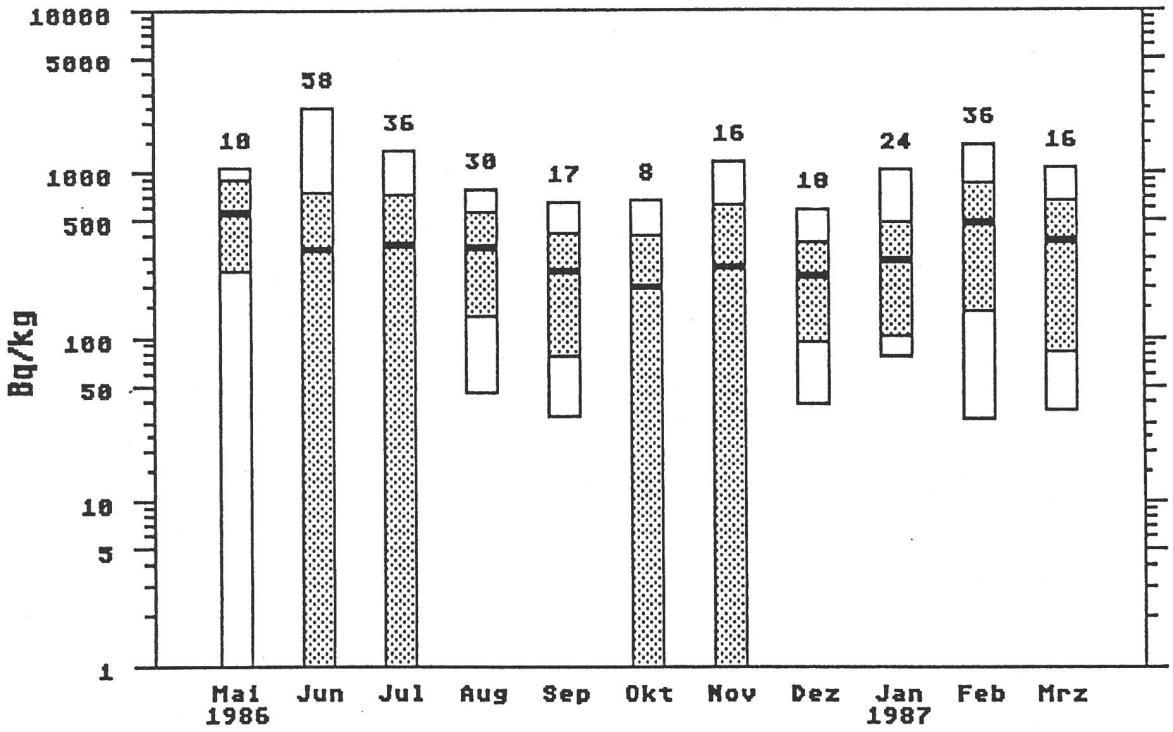



Fig.5.33.b: Cs-137 im Rind, Ostschweiz

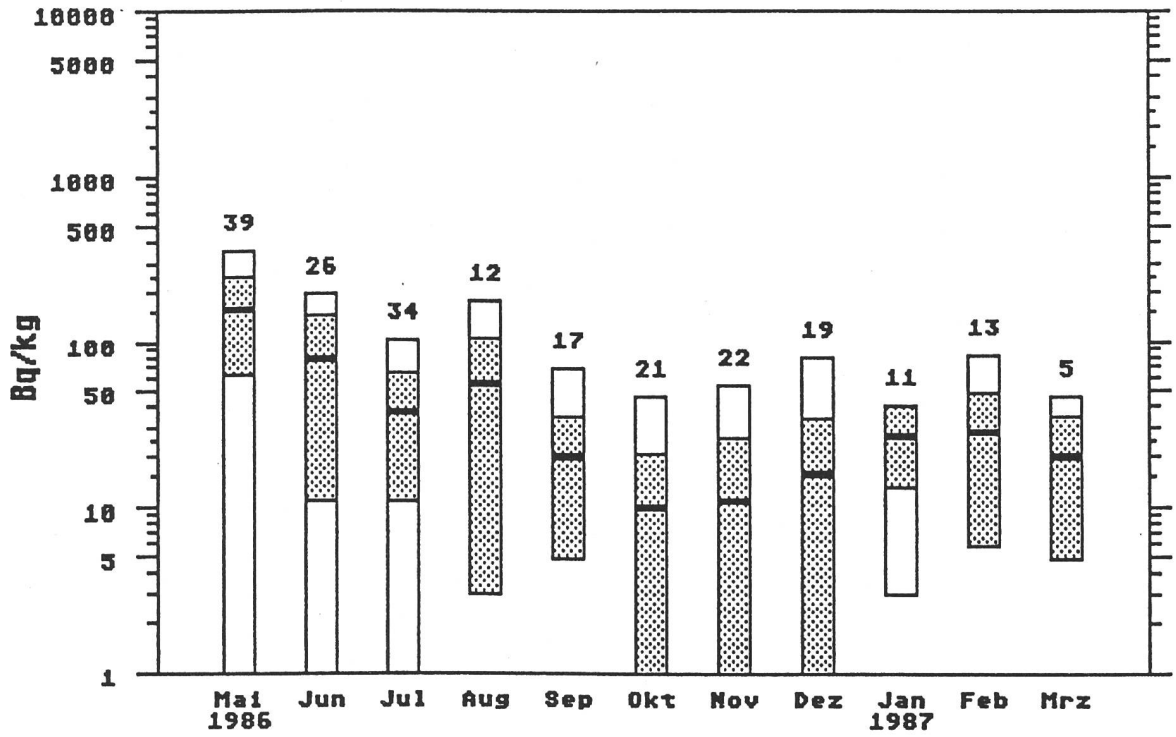


Fig.5.33.c: Cs-137 im Rind, übrige Schweiz

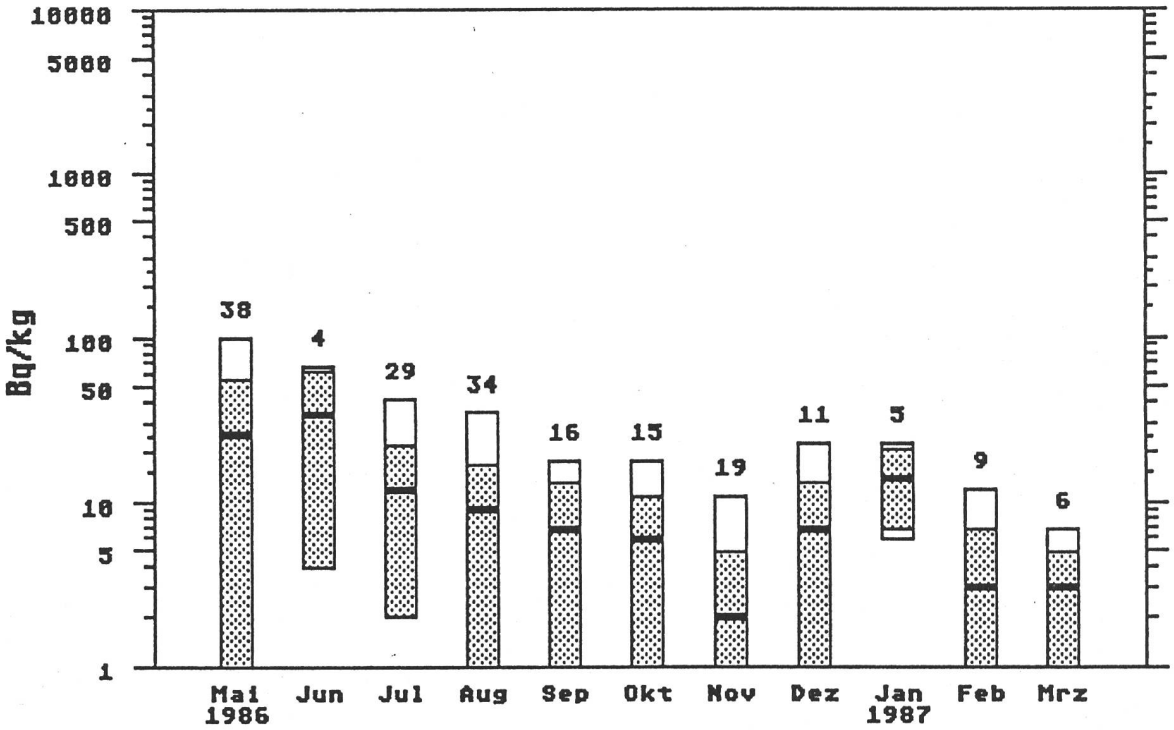



Fig.5.33.d: Cs-137 in Kaninchen, Tessin

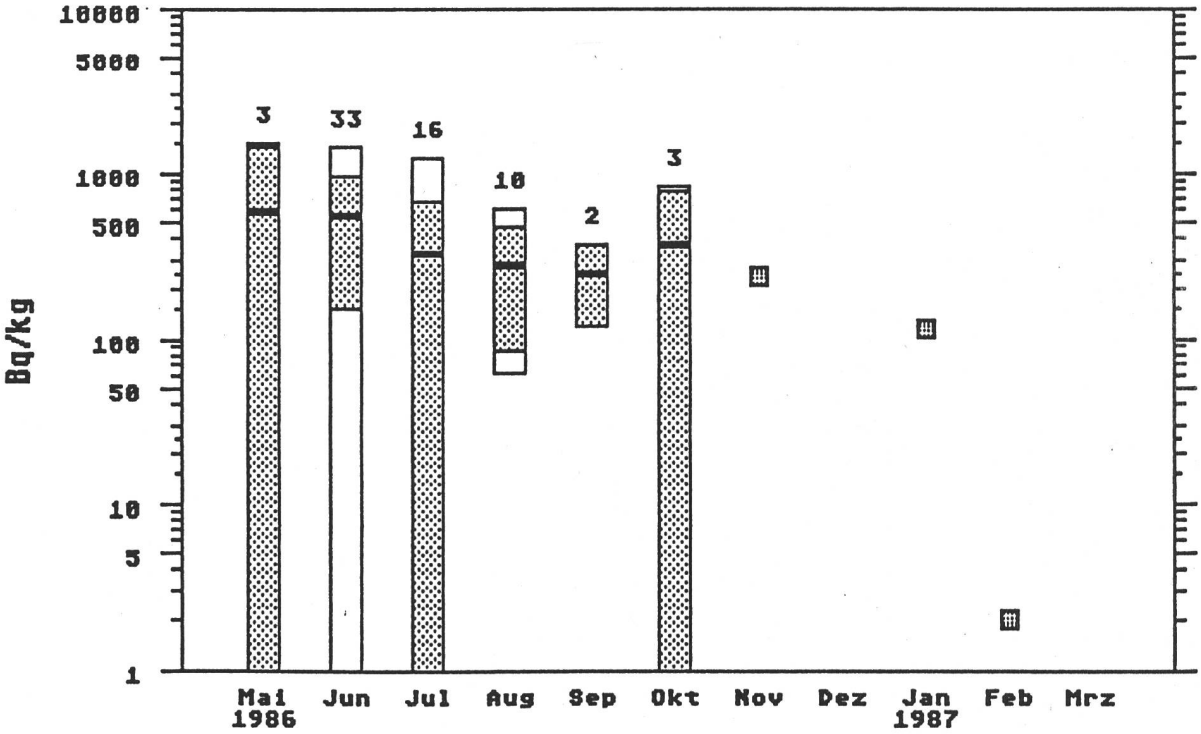


Fig.5.33.e: Cs-137 im Schwein, Ostschweiz

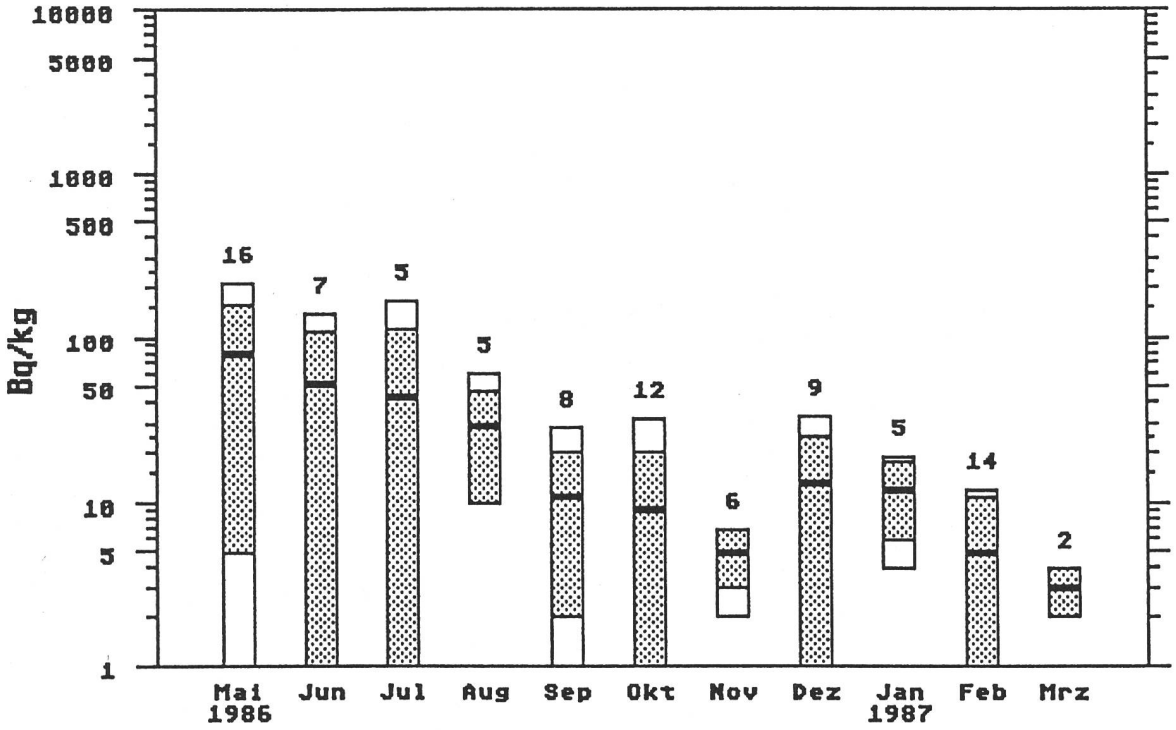



Fig.5.33.f: Cs-137 im Schwein, übrige Schweiz

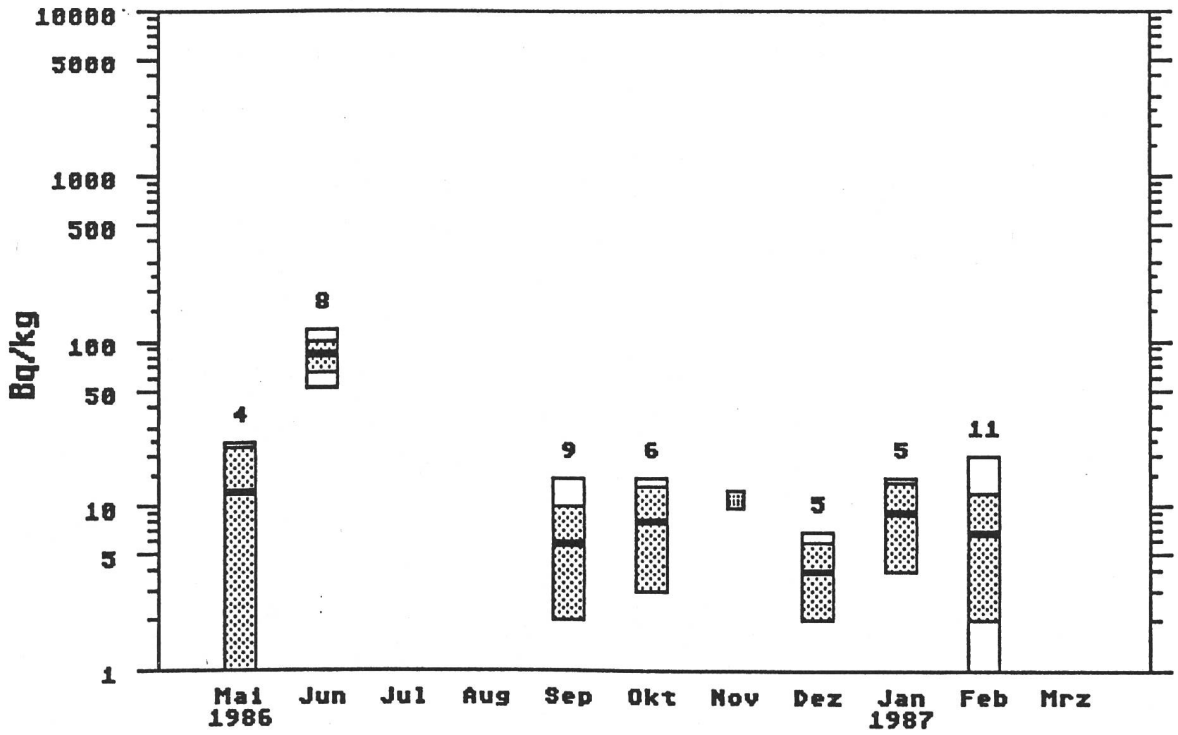


Fig.5.33.g: Cs-137 in Fleisch, Ostschweiz (OS) und Tessin (TI)

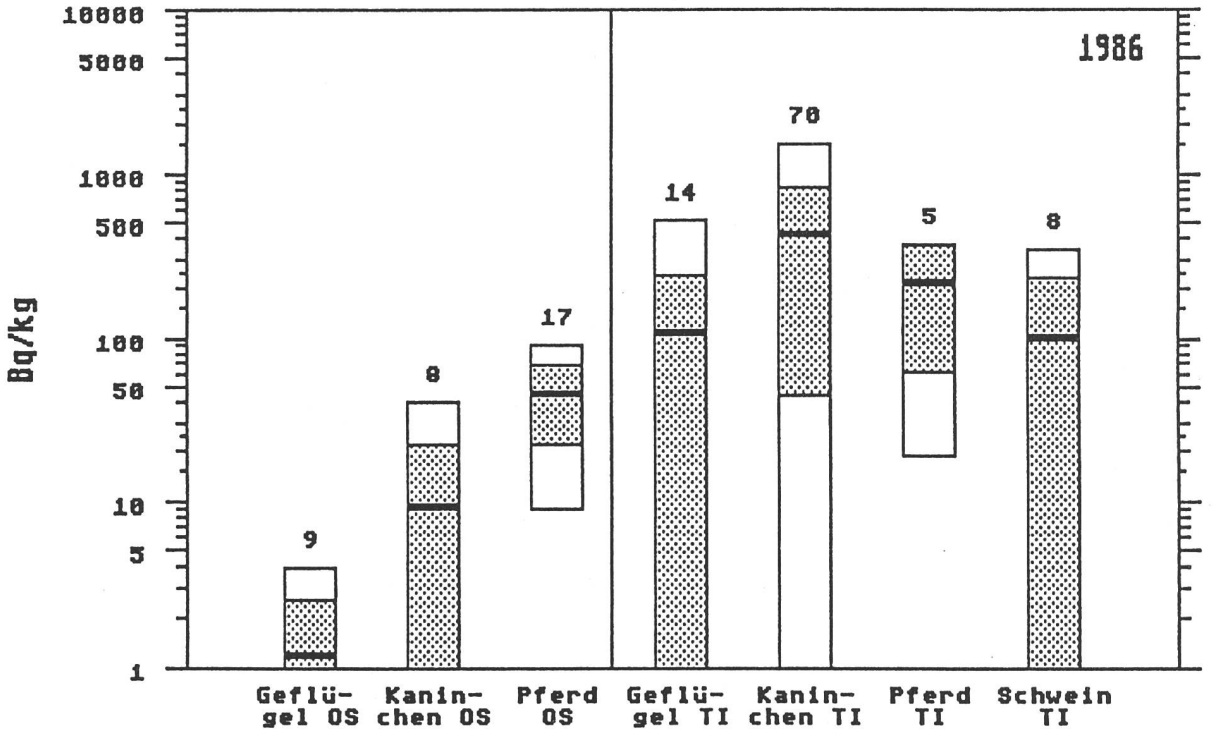



Fig.5.33.h: Cs-137 im Fleisch, übrige Schweiz

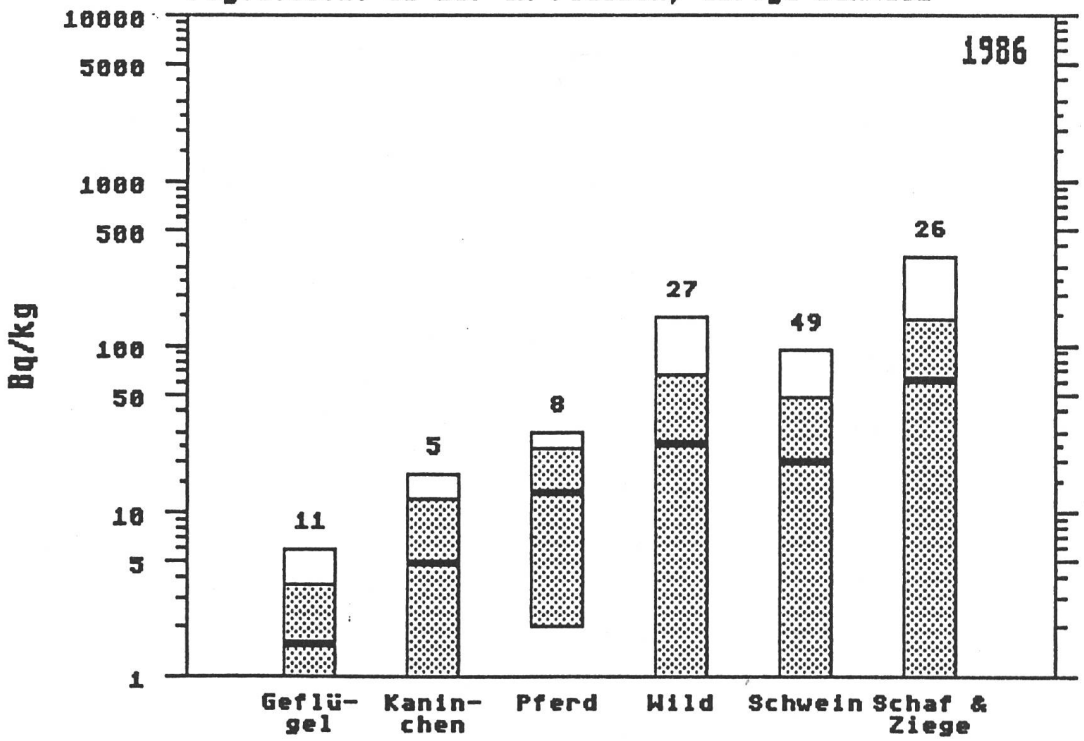


Fig.5.34.a: Cs-137 im Salat
Tessin (1986)

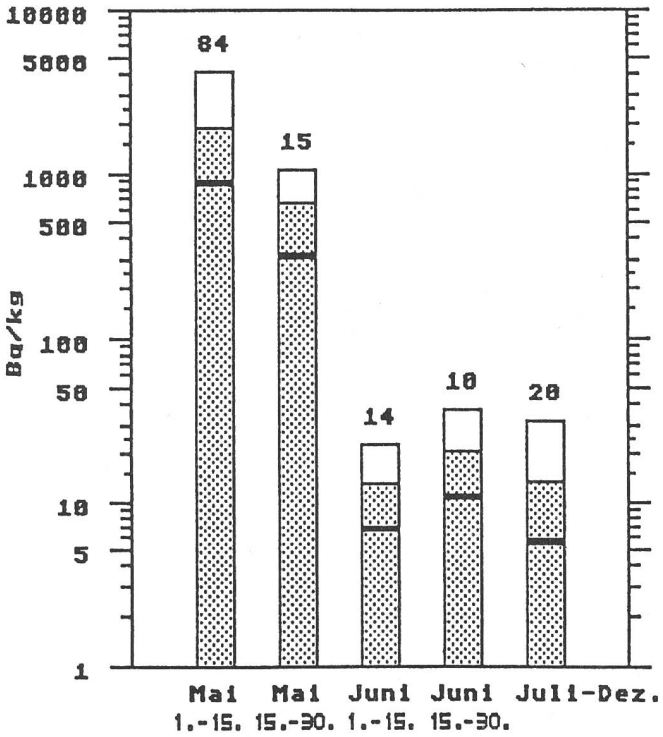



Fig.5.34.c: Cs-137 im Salat
Ostschweiz (1986)

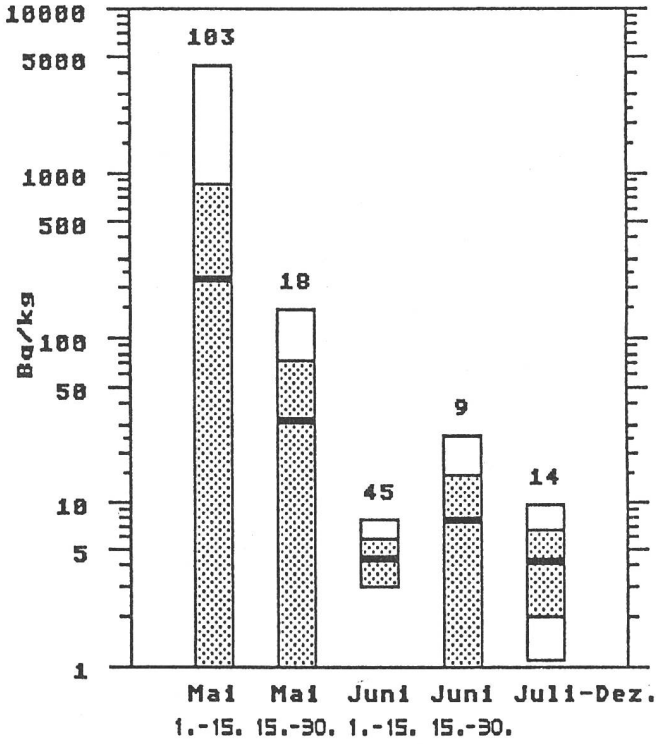



Fig.5.34.b: J-131 im Salat
Tessin (1986)

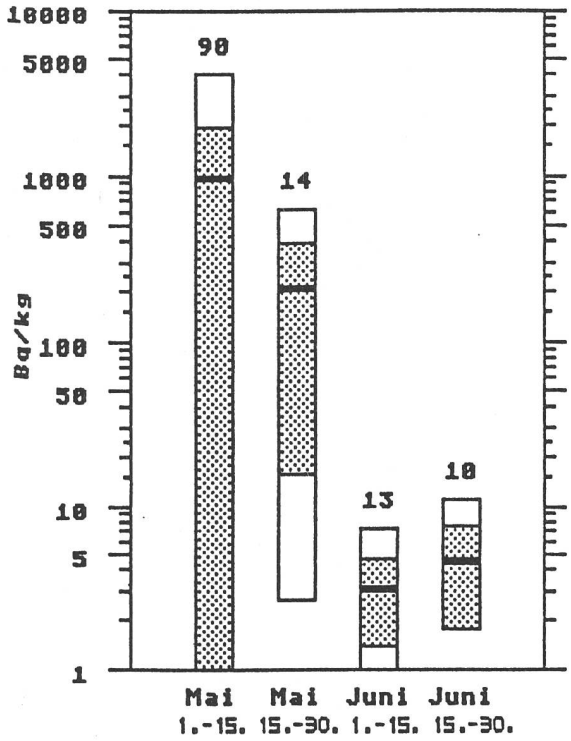



Fig.5.34.d: J-131 im Salat
Ostschweiz (1986)

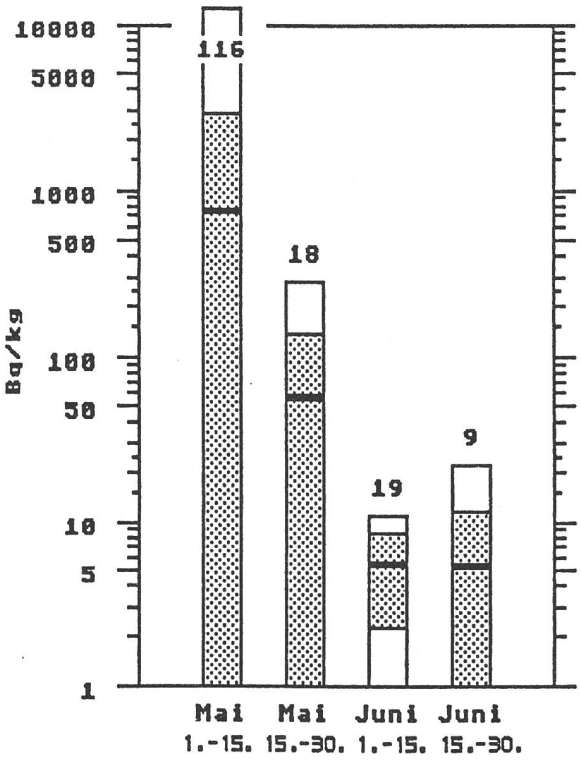


Fig.5.34.e: Cs-137 im Salat
Z + N-Schweiz (1986)

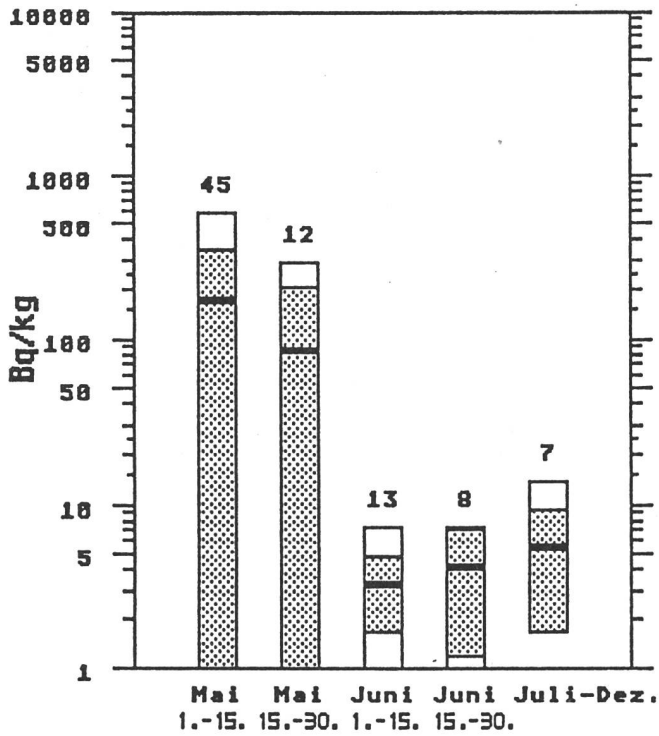



Fig.5.34.g: Cs-137 im Salat
W-Schweiz (1986)

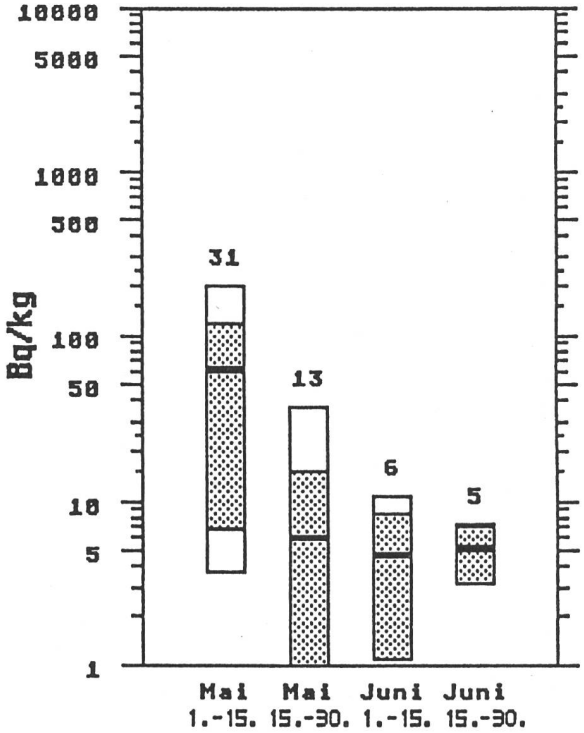



Fig.5.34.f: J-131 im Salat
Z + N-Schweiz (1986)

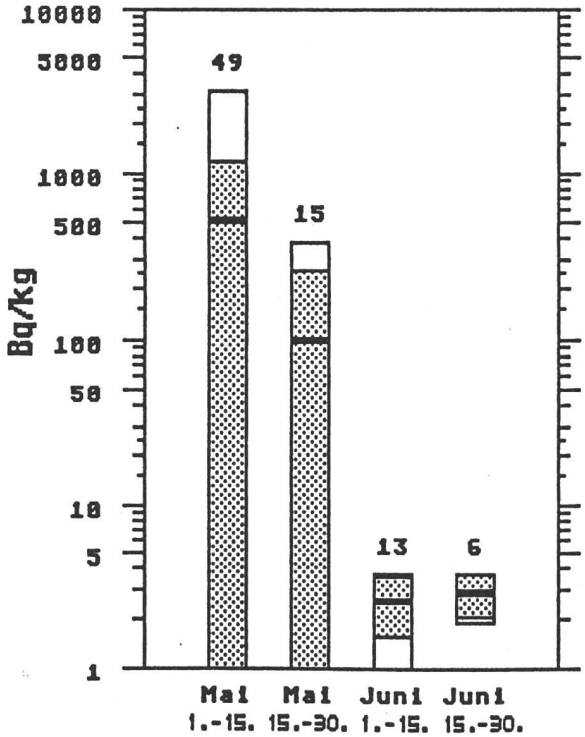



Fig.5.34.h: J-131 im Salat
W-Schweiz (1986)

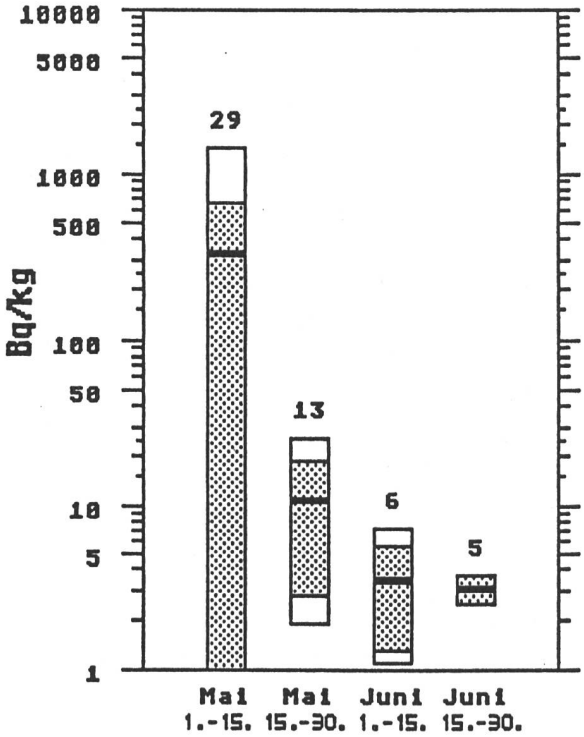


Fig.5.35.a: Cs-137 im Spinat
Tessin (1986)

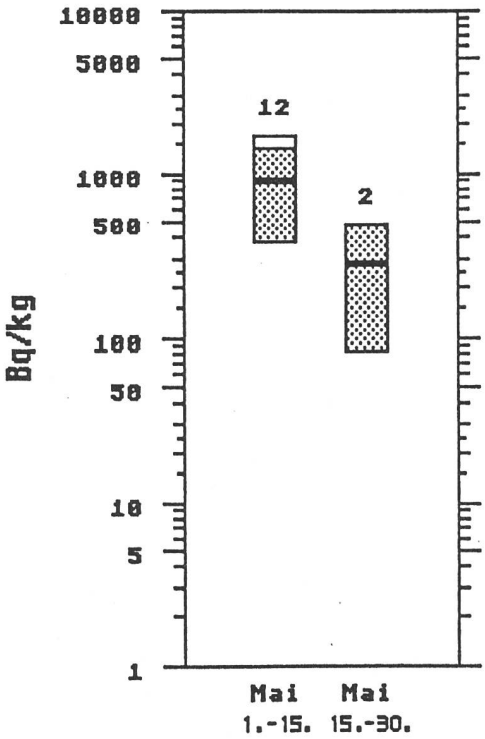



Fig.5.35.c: Cs-137 im Spinat
Ostschweiz (1986)

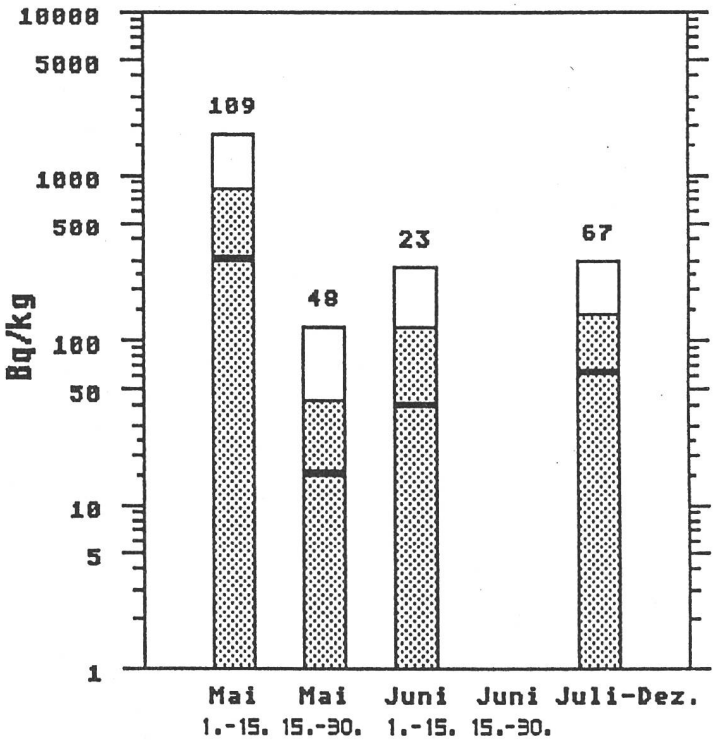



Fig.5.35.b: J-131 im Spinat
Tessin (1986)

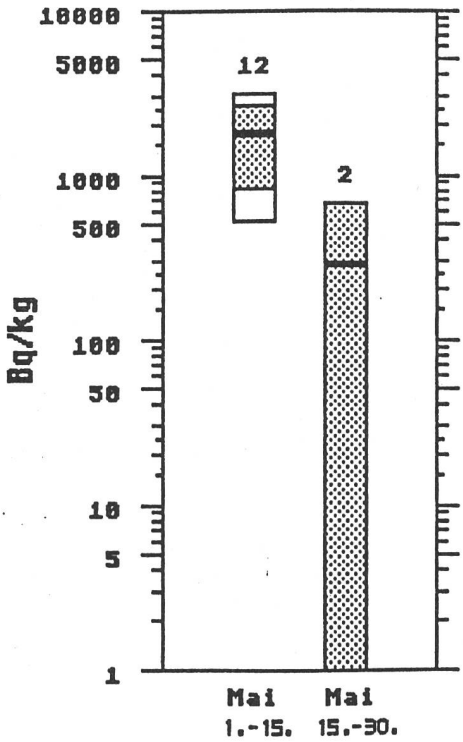



Fig.5.35.d: J-131 im Spinat
Ostschweiz (1986)

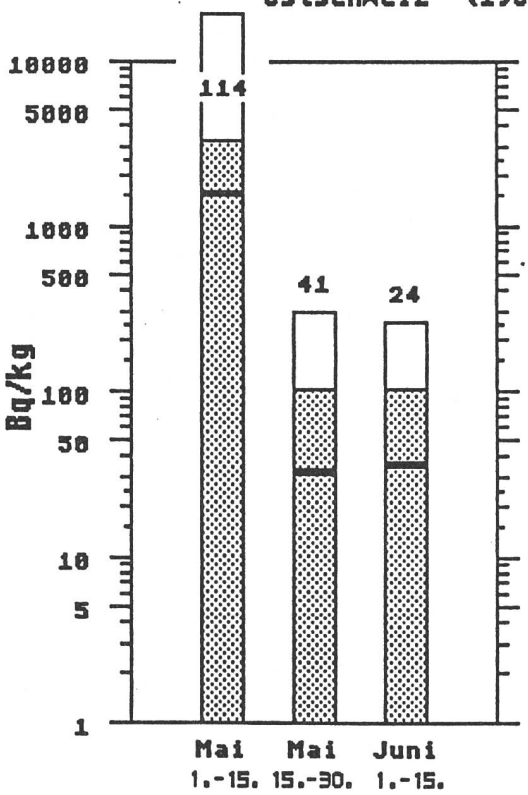


Fig.5.35.e: Cs-137 im Spinat
Z + N-Schweiz (1986)

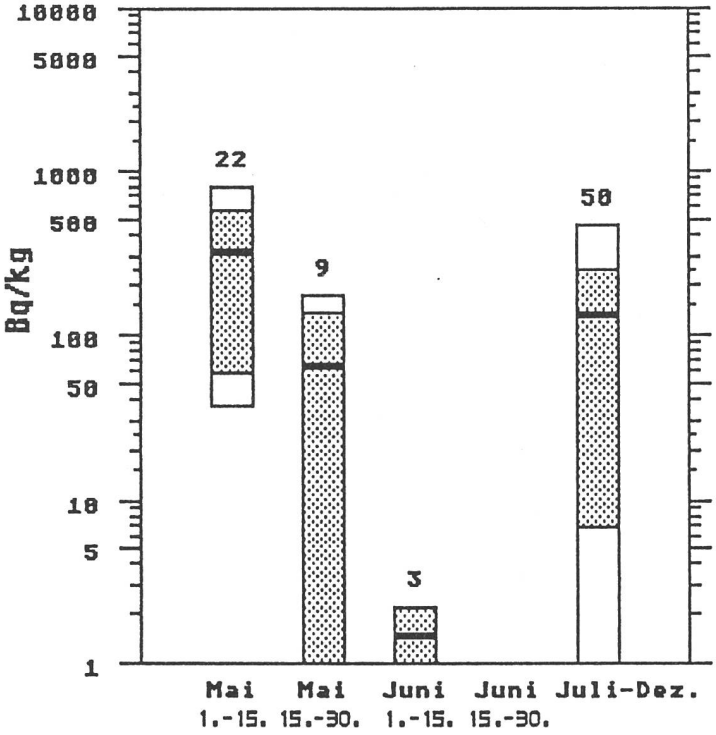



Fig.5.35.g: Cs-137 im Spinat
W-Schweiz (1986)

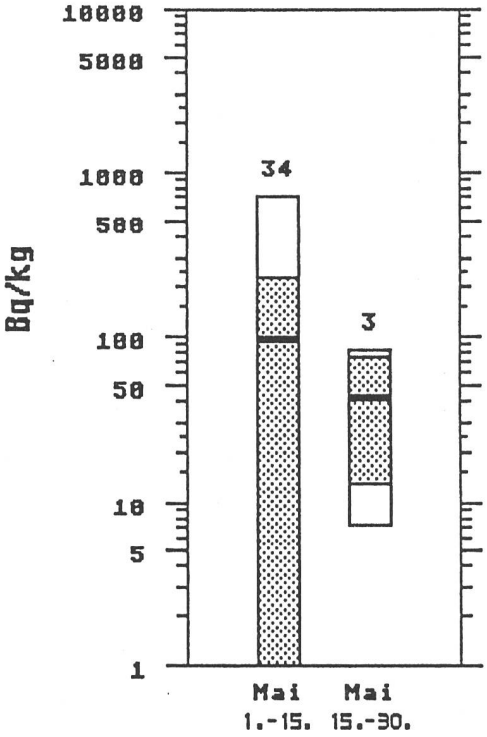



Fig.5.35.f: J-131 im Spinat
Z + N-Schweiz (1986)

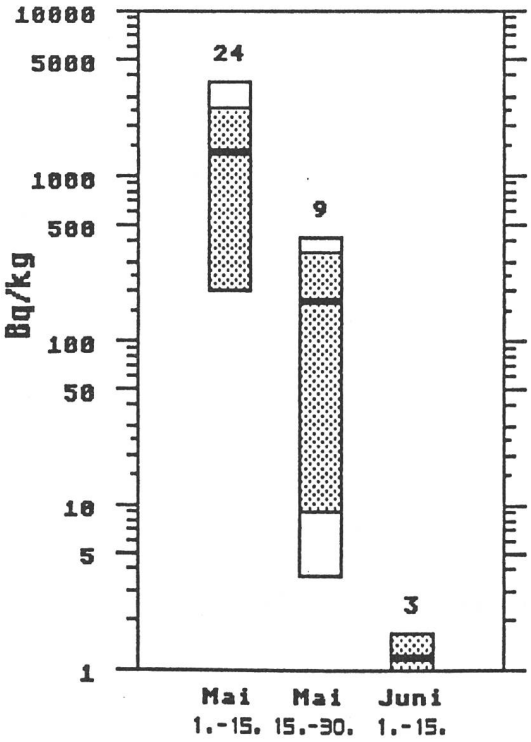



Fig.5.35.h: J-131 im Spinat
W-Schweiz (1986)

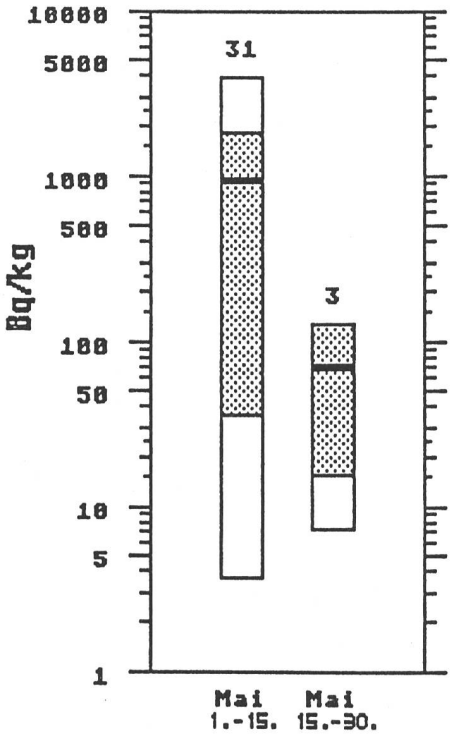


Fig.5.36.a: Cs-137 in Gemüse, ganze Schweiz 1986

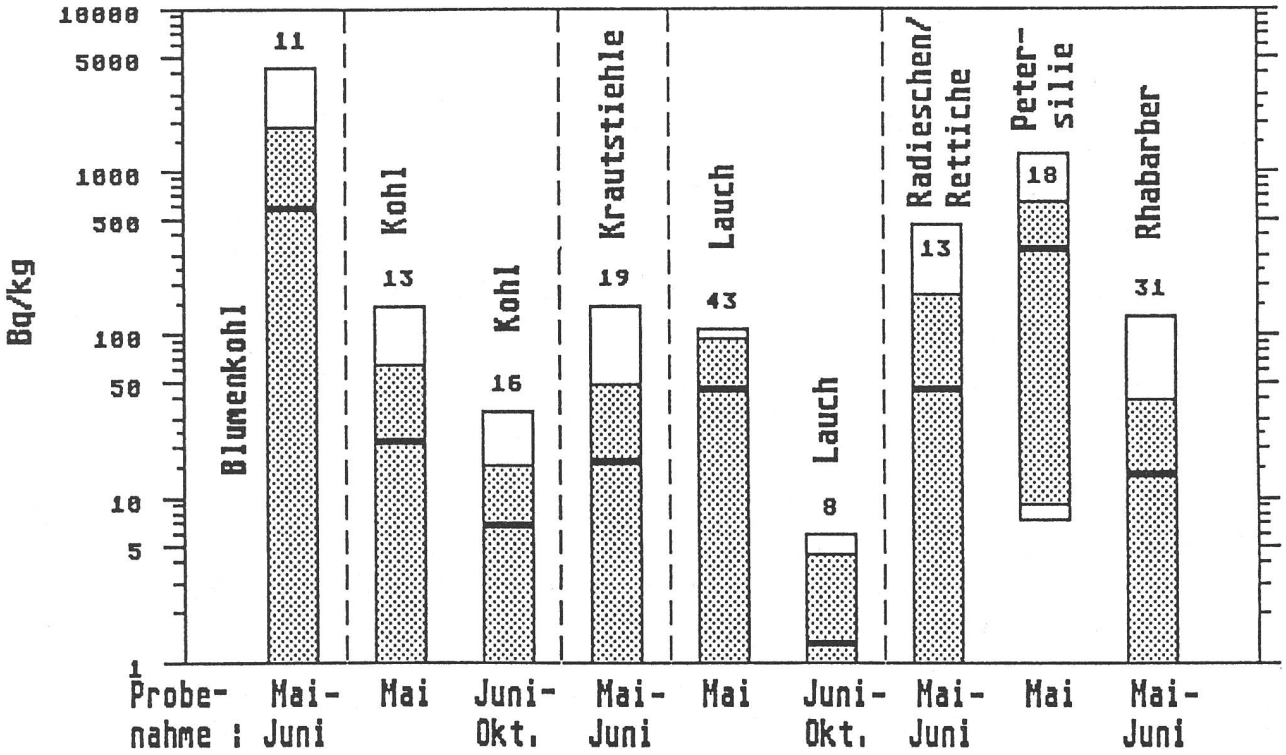



Fig.5.36.b: Cs-137 in Gemüse, ganze Schweiz 1986

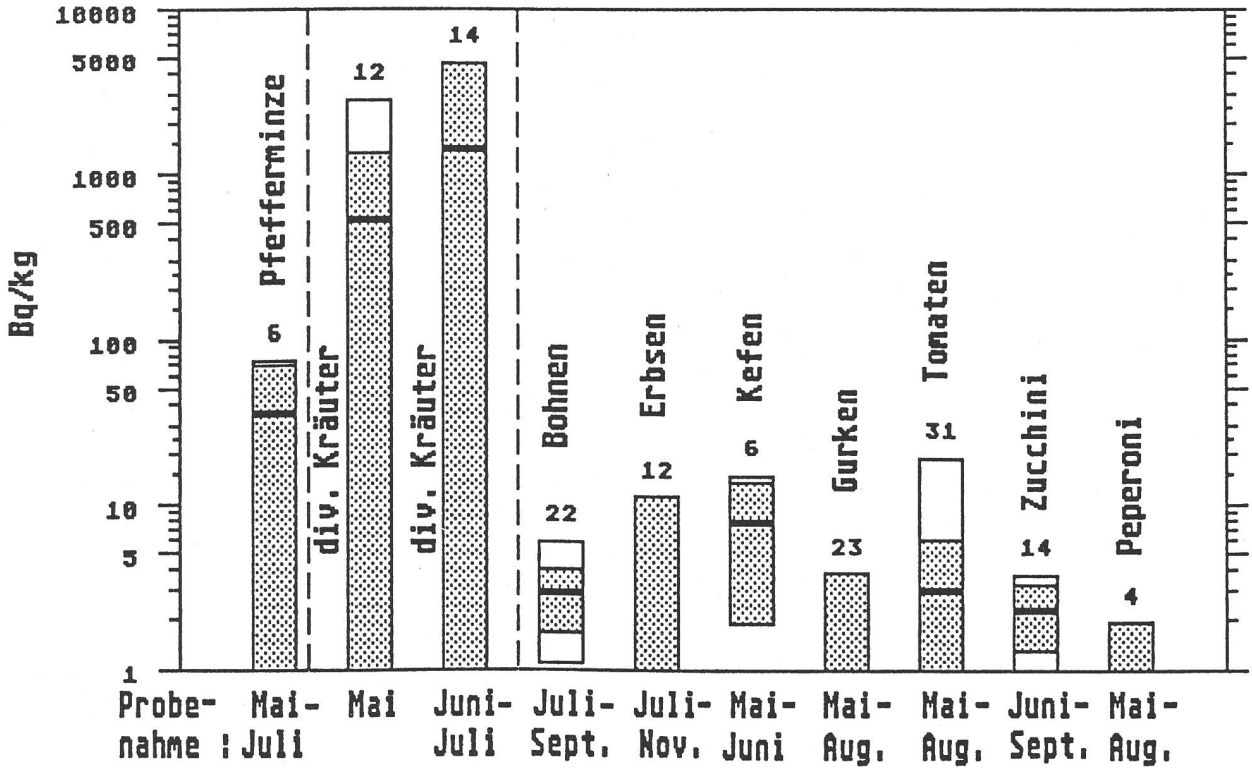


Fig.5.36.c: Cs-137 in Gemüse, ganze Schweiz 1986

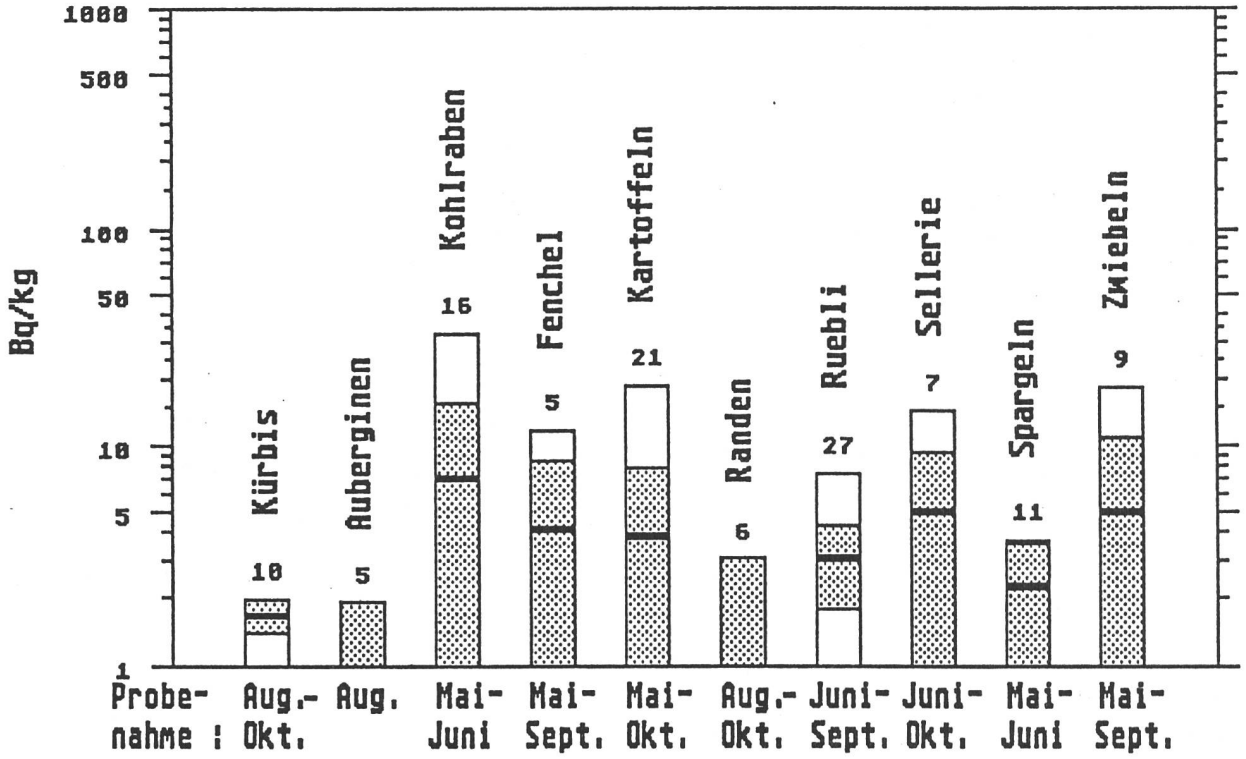



Fig.5.37: J-131 in Gemüse, ganze Schweiz, Mai 1986

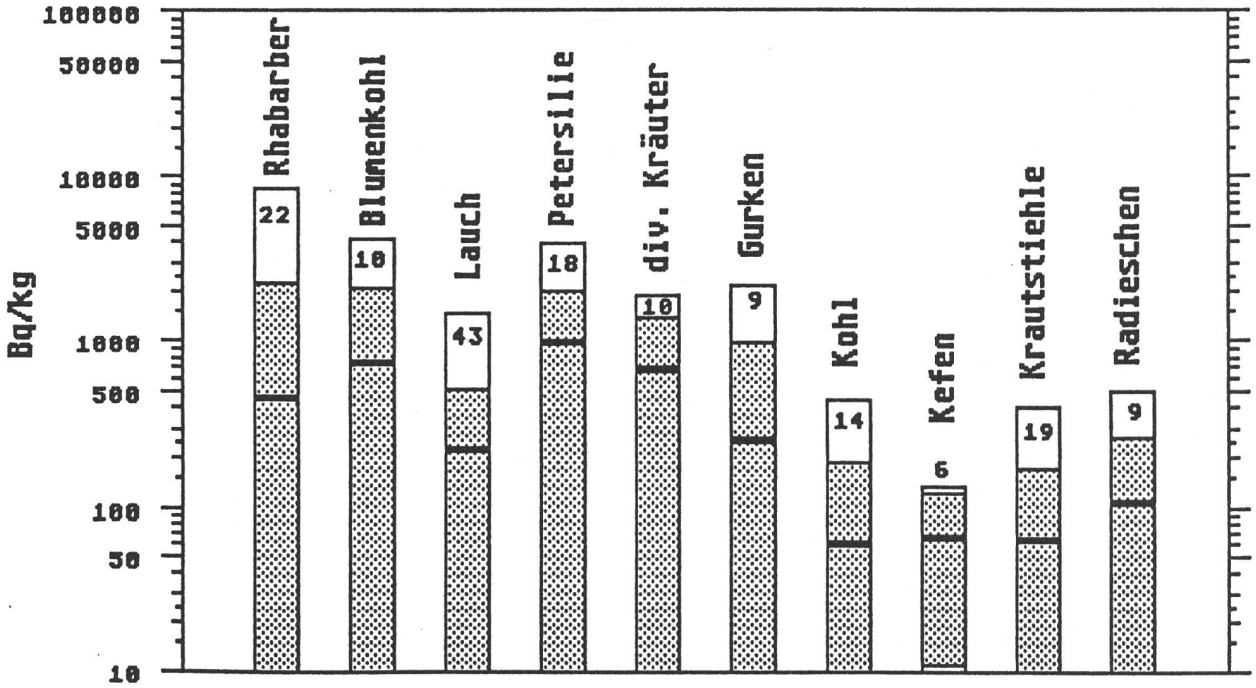


Fig. 5.38: Cs-137 in Beeren (CH, Mai-Nov 86)

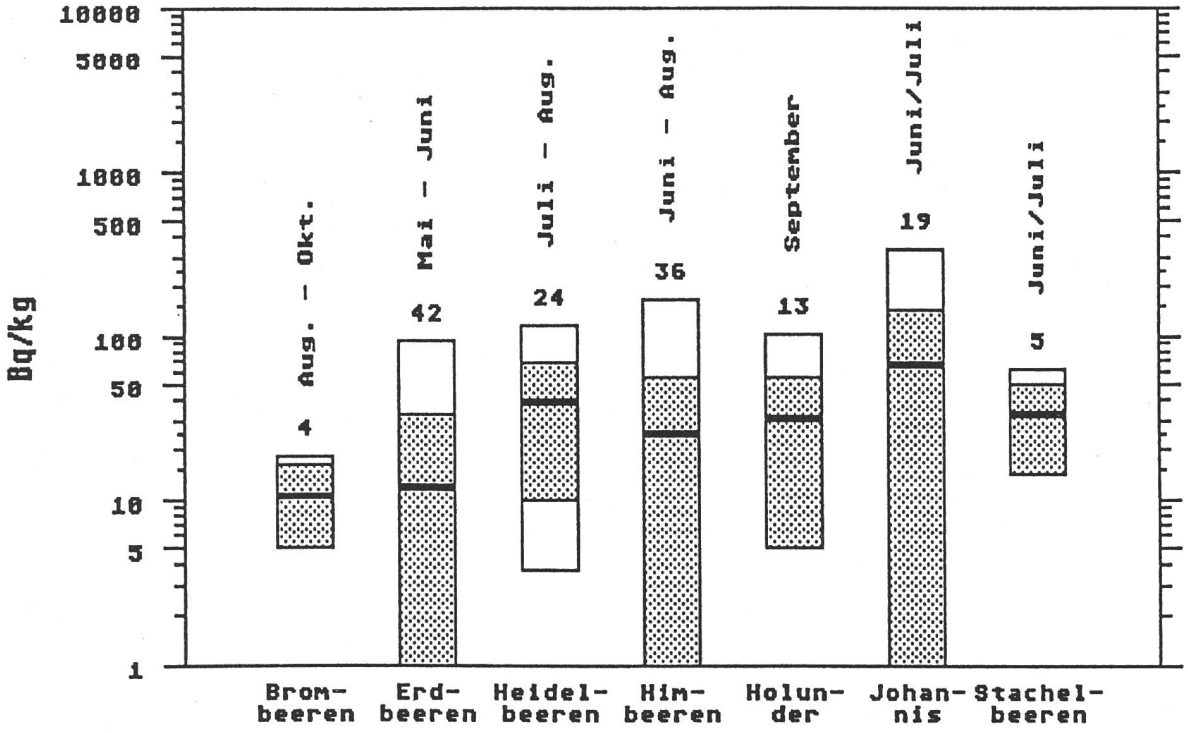



Fig.5.39: Cs-137 in Früchten, ganze Schweiz, Jun-Nov 86

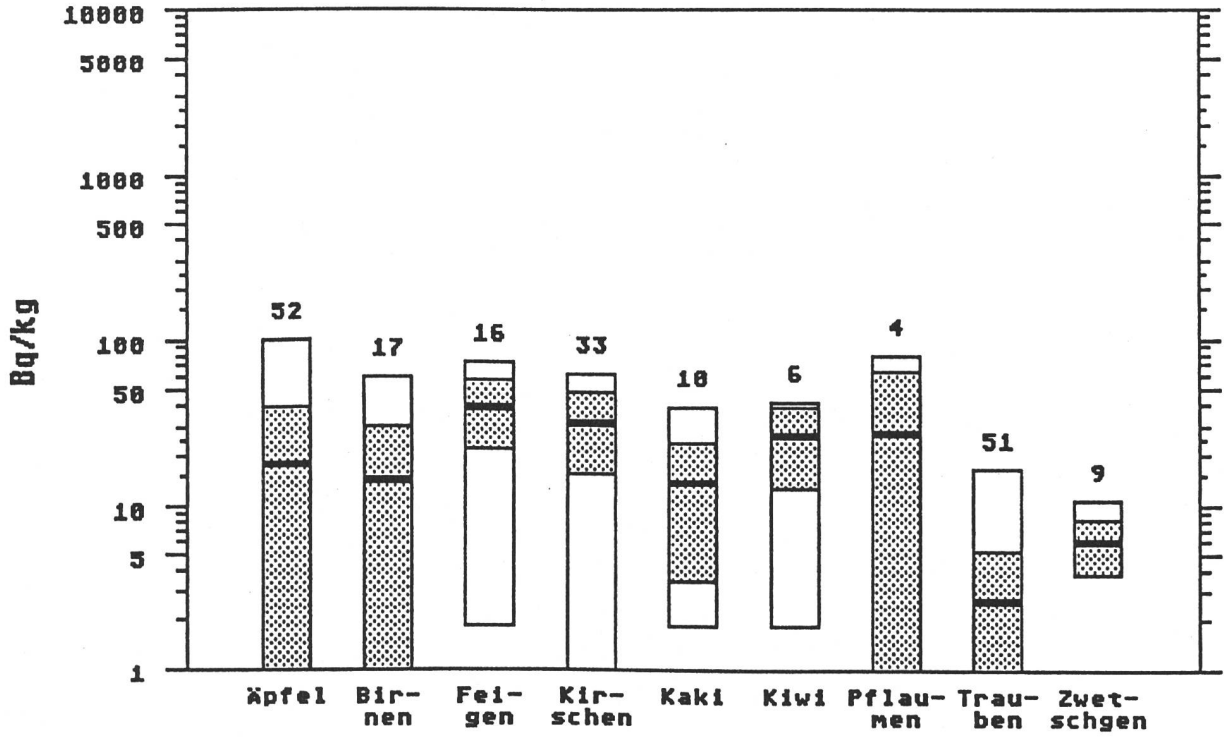


Fig.5.40.a: Cs-137 in Pilzen, ganze Schweiz, Mai-Nov 86

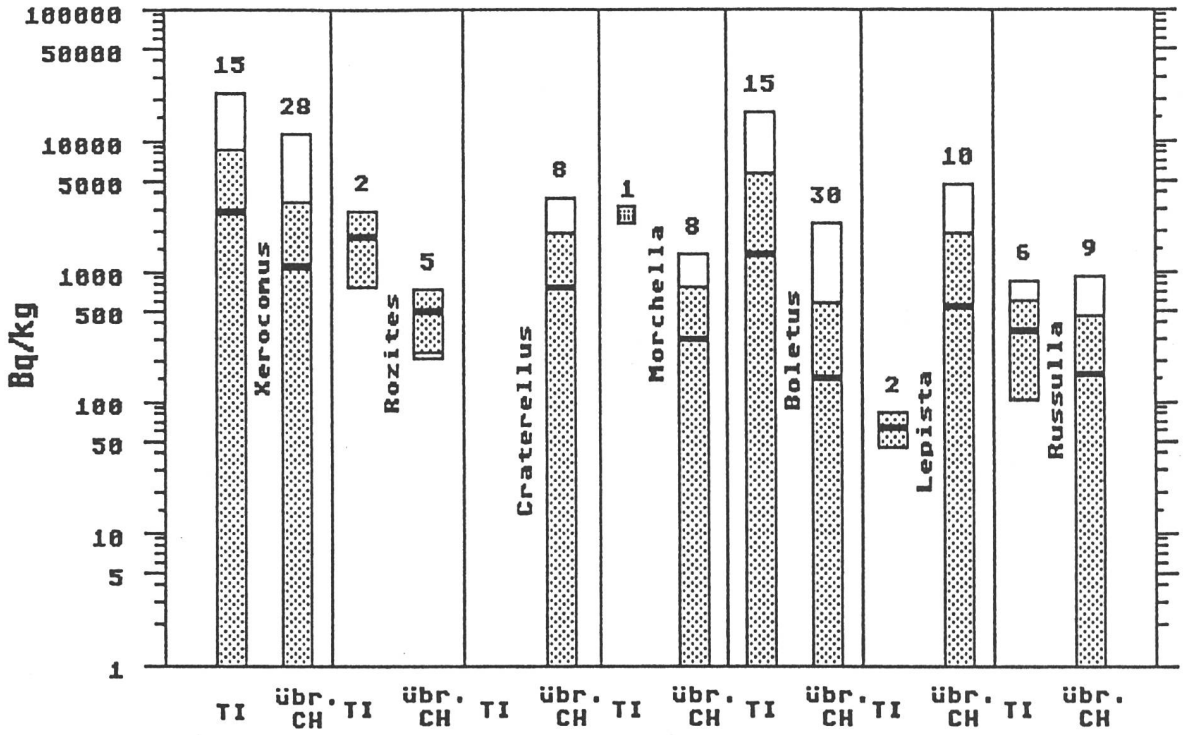



Fig.5.40.b: Cs-137 in Pilzen , ganze Schweiz, Mai-Nov 86

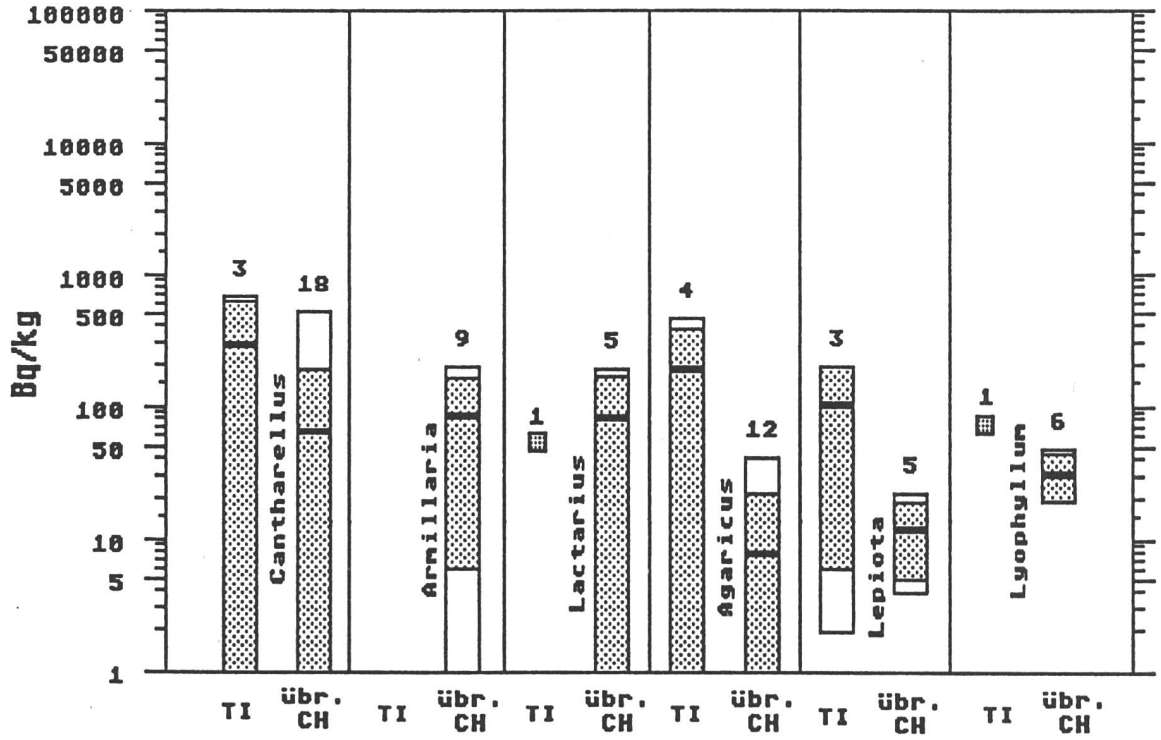


Fig.5.41: Cs-137 im Weizen, Aug-Okt 86

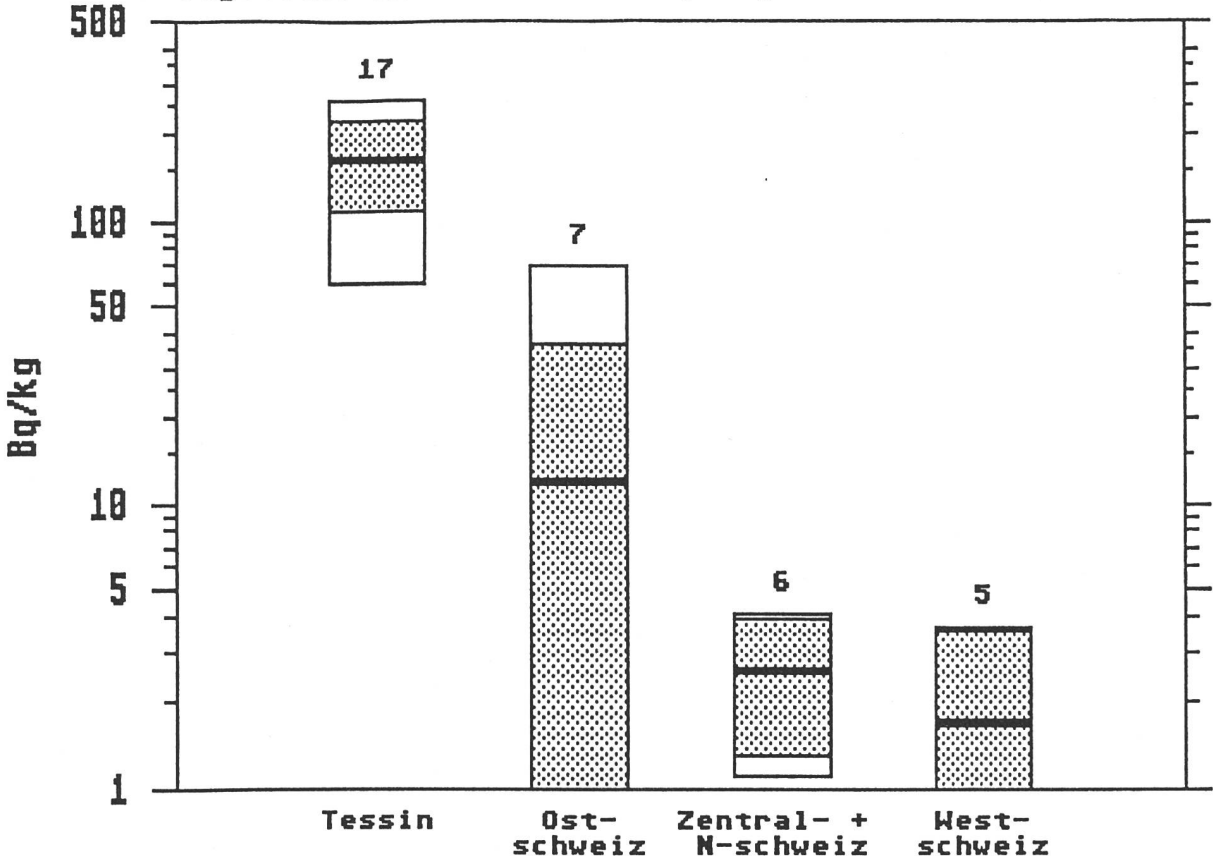



Fig.5.42: Cs-137 im Übrigen Getreide, Aug-Okt 86

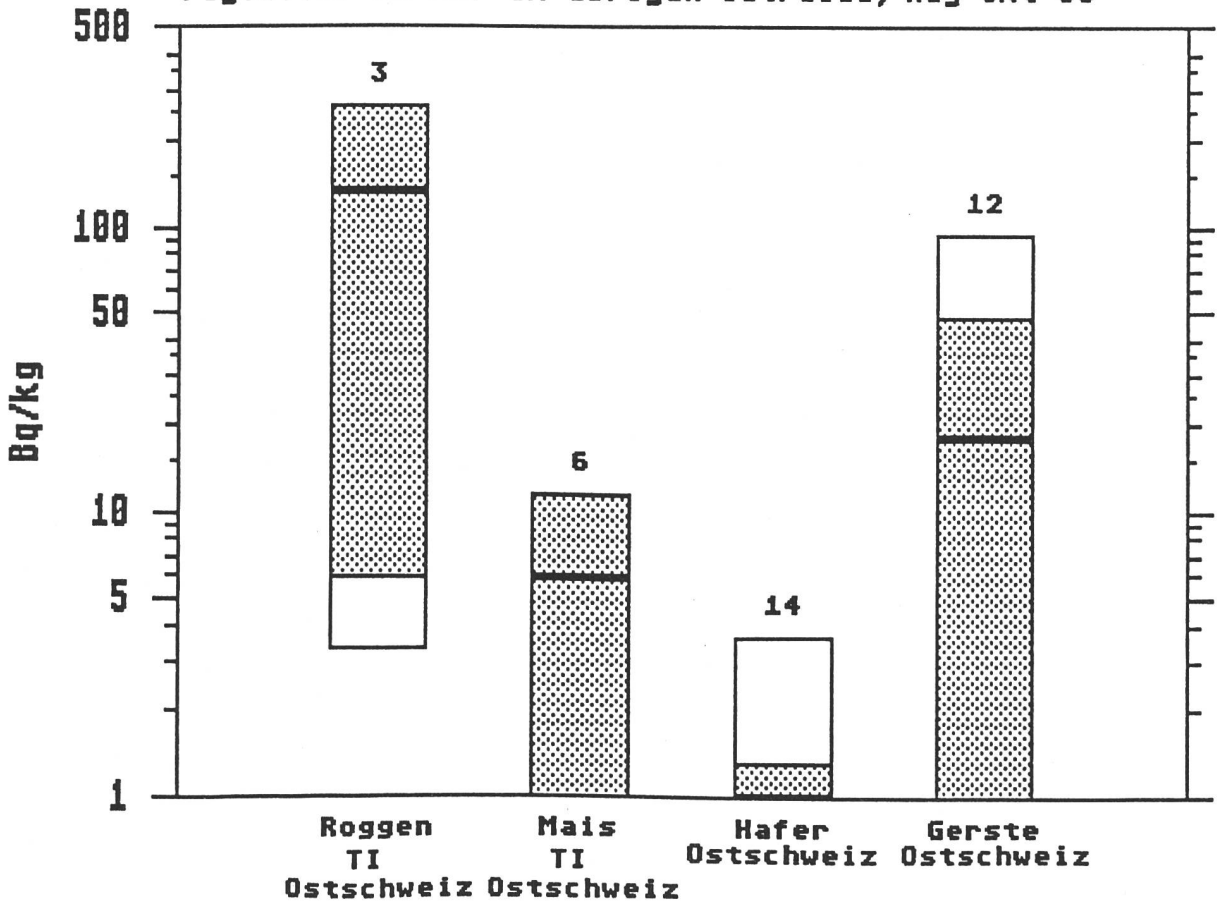


Fig.5.43: Cs-137 in Bienenhonig, Mai-Okt 86

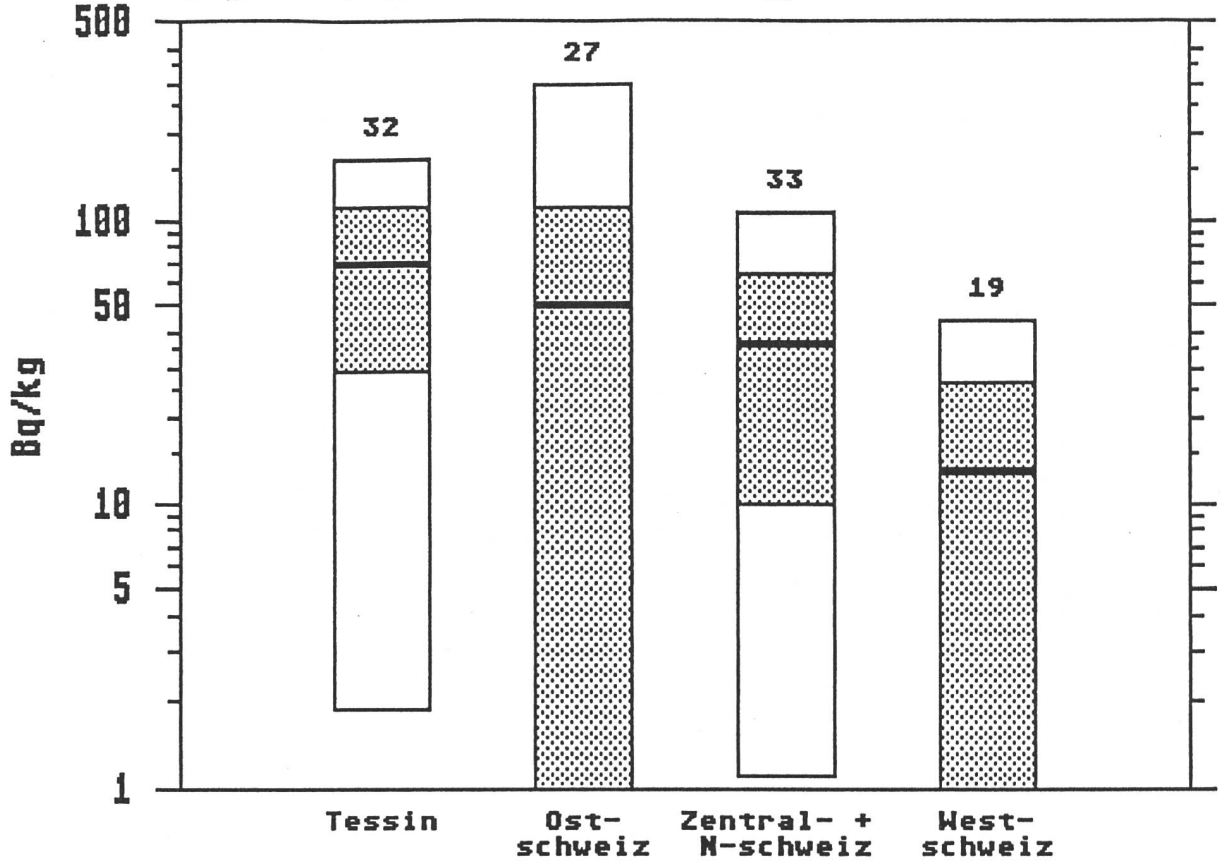



Fig.5.44: Cs-137 in anderen Proben 1986

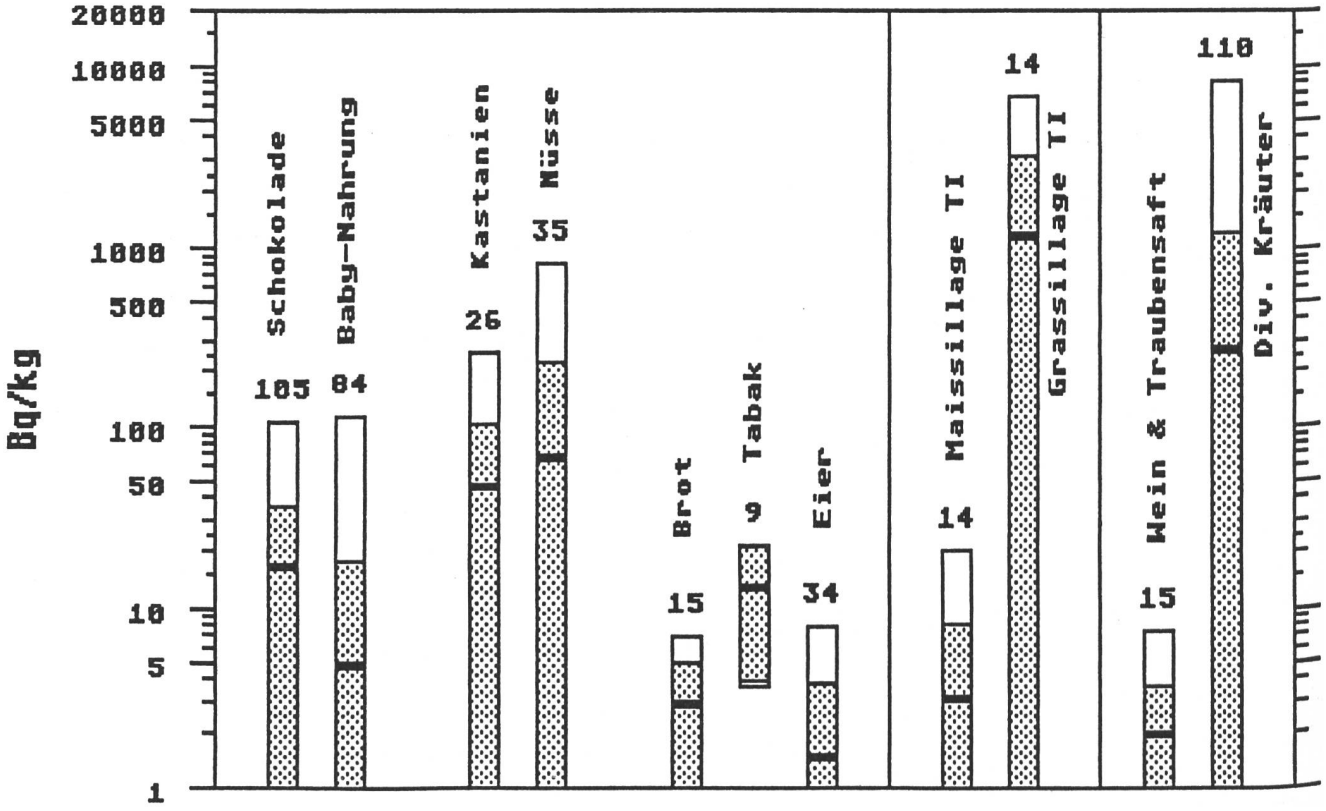


Fig.5.45.a: Cs-137 in Importproben, 1986

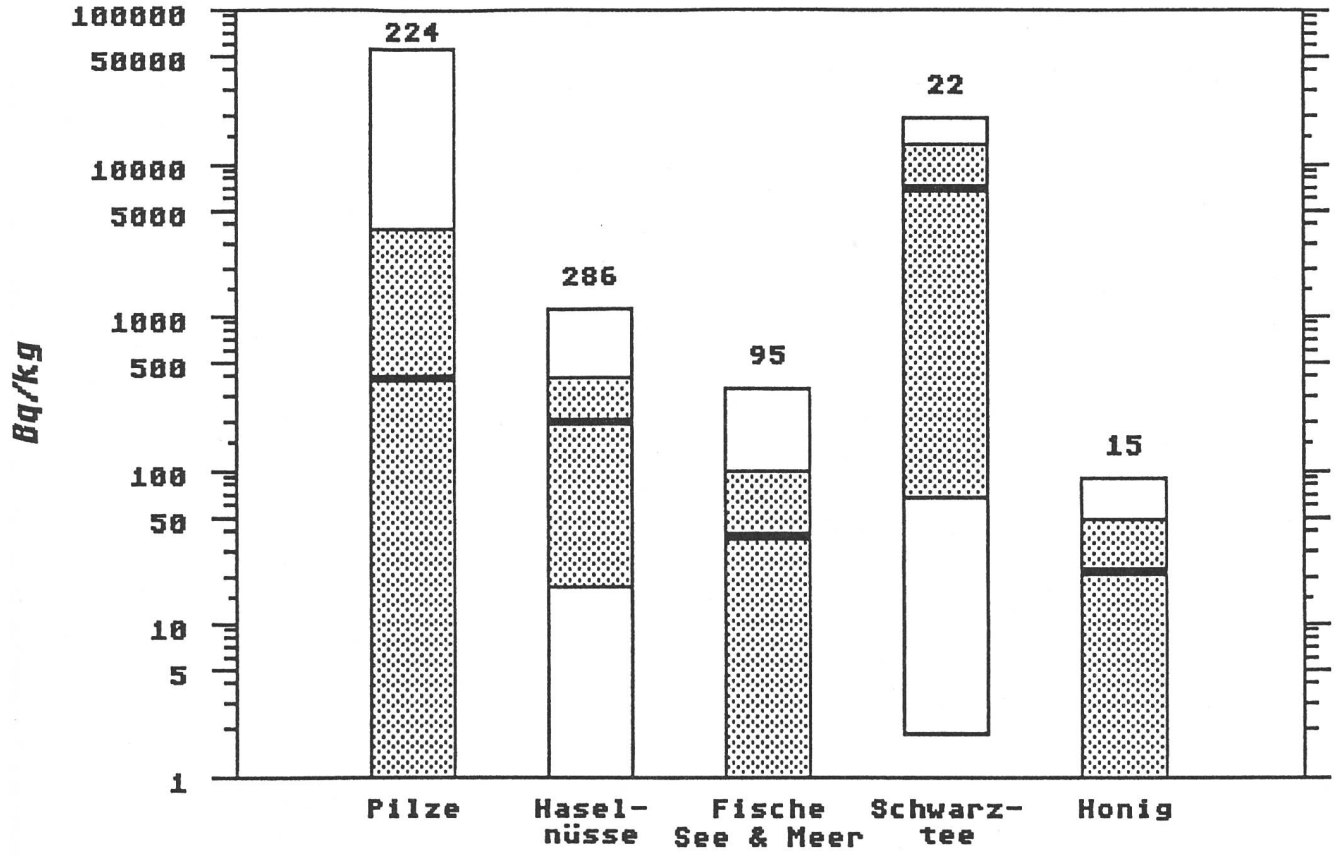



Fig.5.45.b: Fleischimporte (Cs-137 + Cs-134), 1986

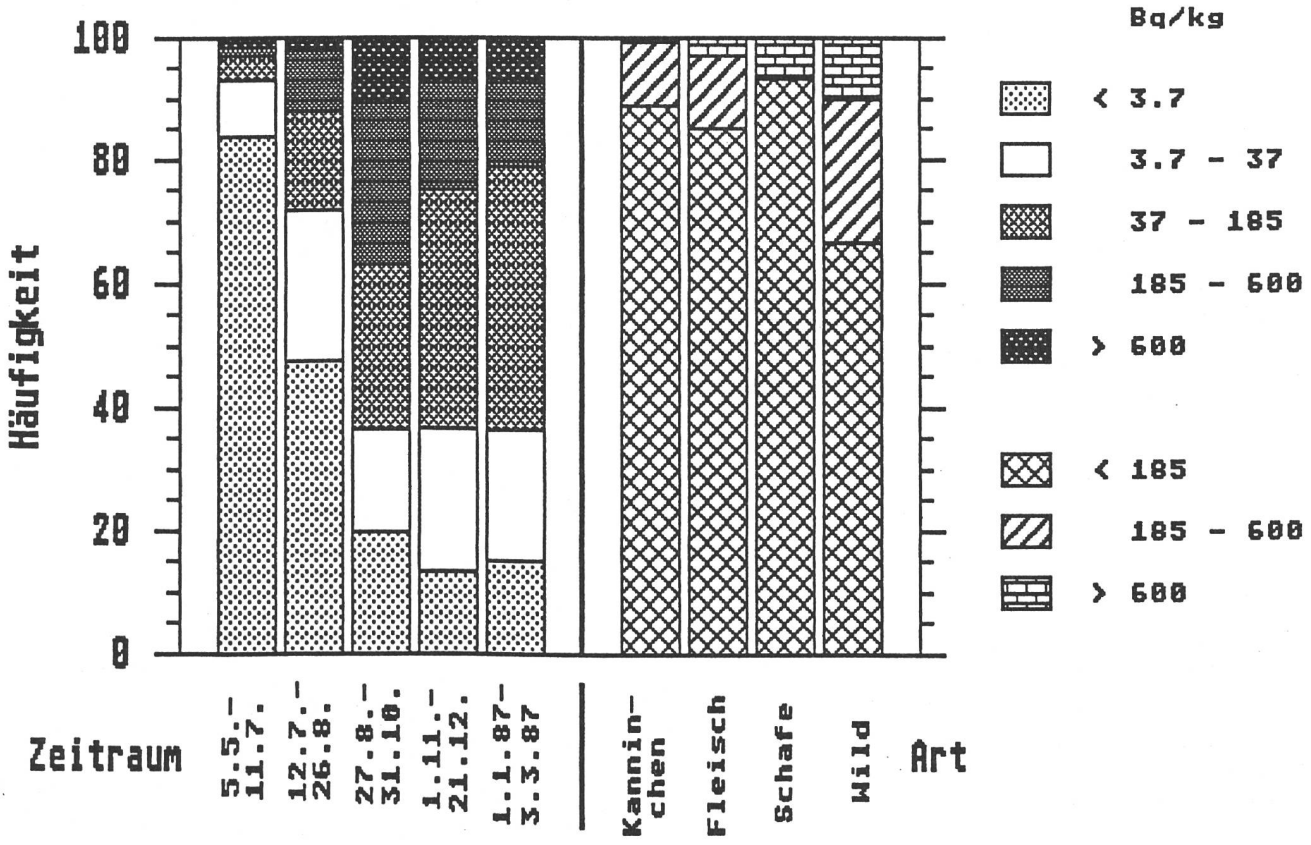


Fig.5.46.a: Cs-137 in Zisternenwasser 1986

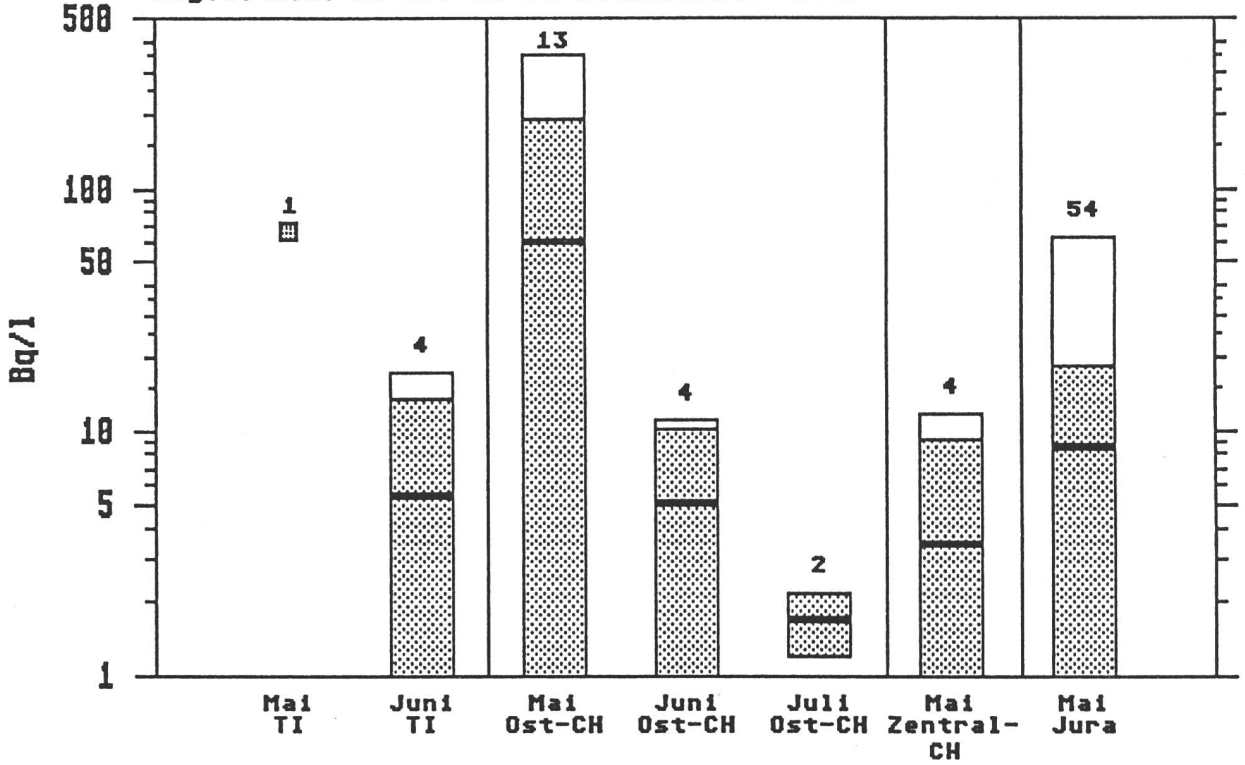



Fig.5.46.b: Cs-137 in Trinkwasser (ohne Zisternen) und Quellwasser

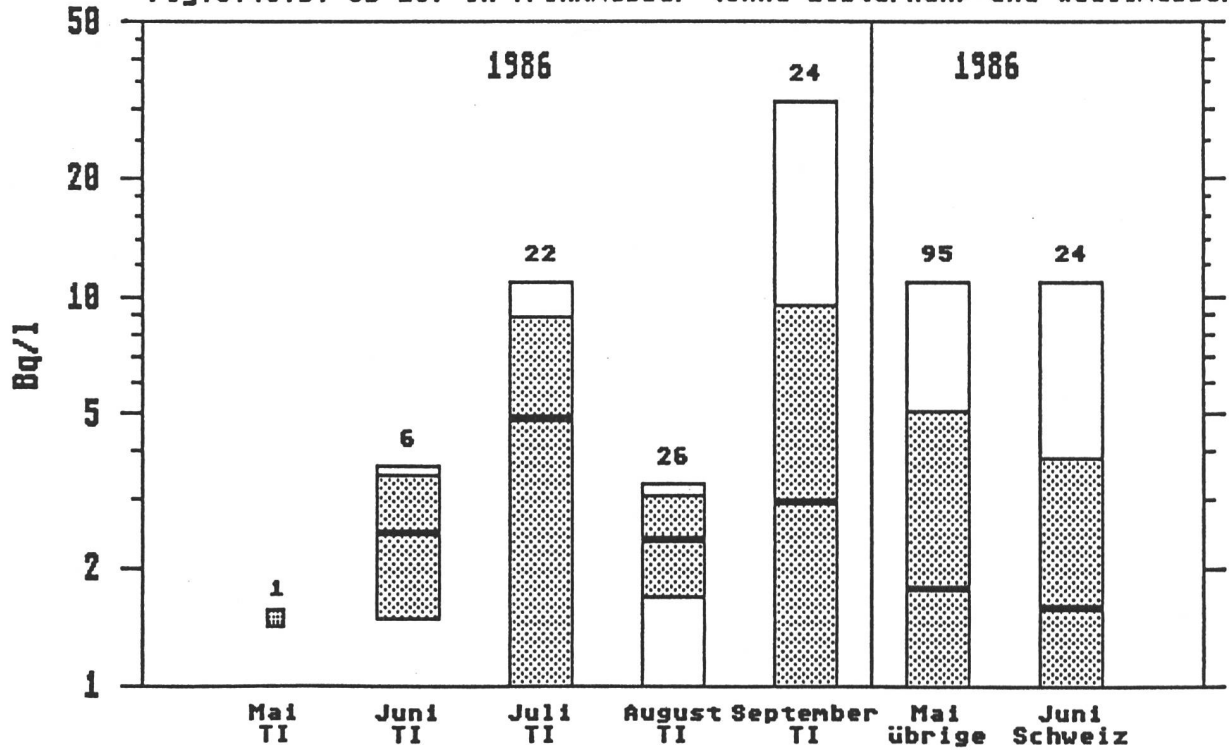


Fig.5.46.c: J-131 in Zisternen-
wasser Jura

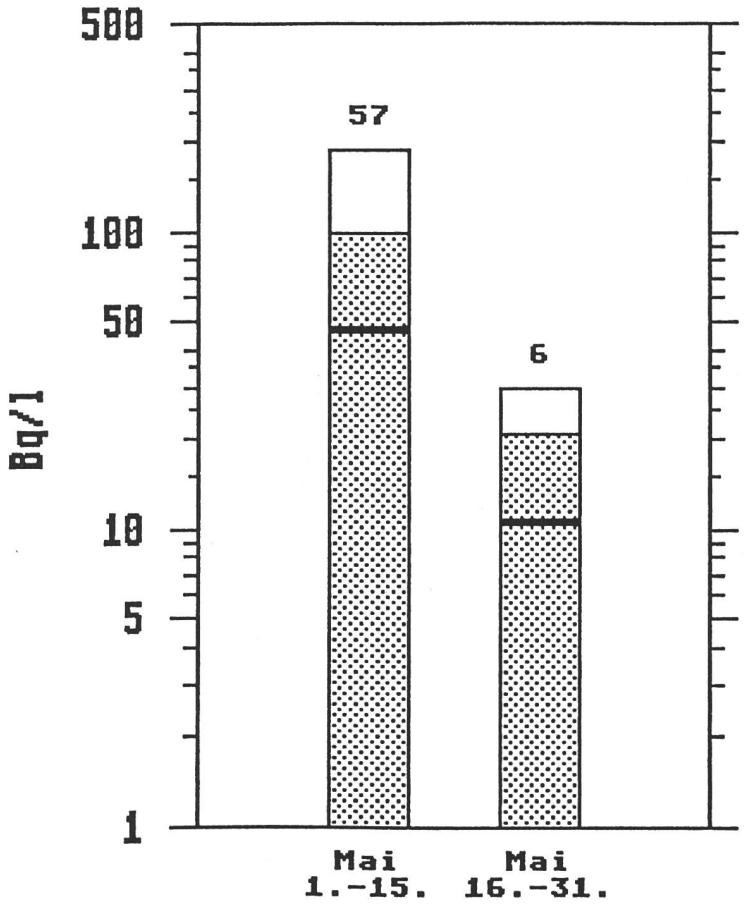


**Fig. 5.47.a:**

GANZKÖRPERMESSUNGEN 1986/87

$^{134}Cs+^{137}Cs$–Aktivität in Personen aus dem Mittelland

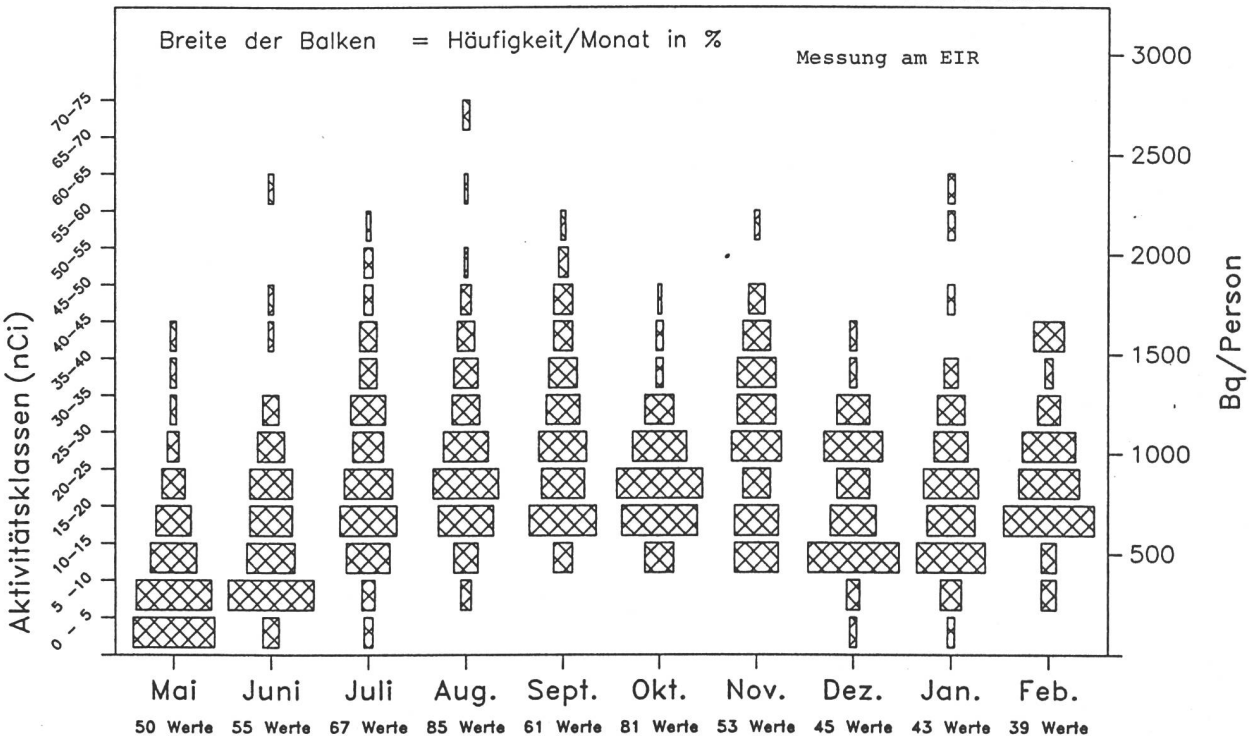



**Fig. 5.47.b:**

GANZKÖRPERMESSUNGEN 1986/87

$^{134}Cs+^{137}Cs$–Aktivität in Personen aus dem Kanton Tessin

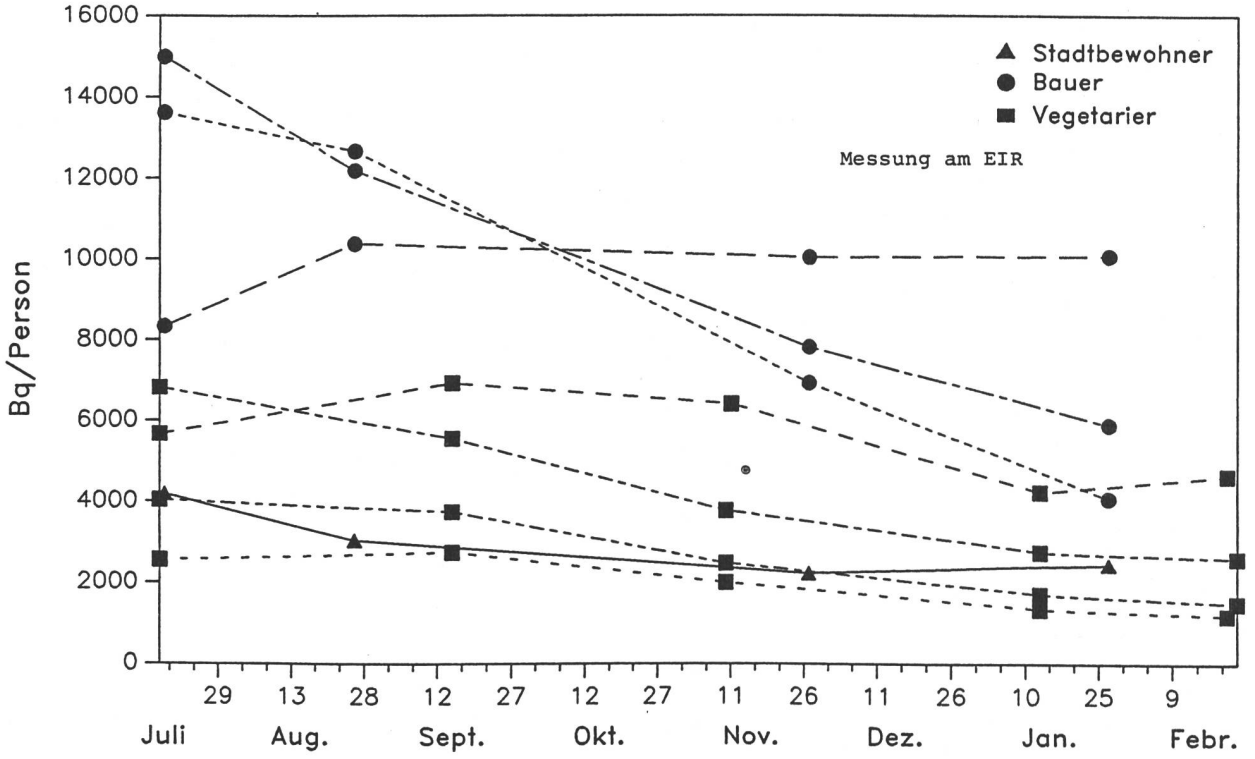


Fig. 5.47.c: GANZKÖRPERMESSUNGEN 1986/87

monatl. Mittelwerte der $^{134}Cs+^{137}Cs$-Aktivität von ca 500 Personen aus dem Mittelland

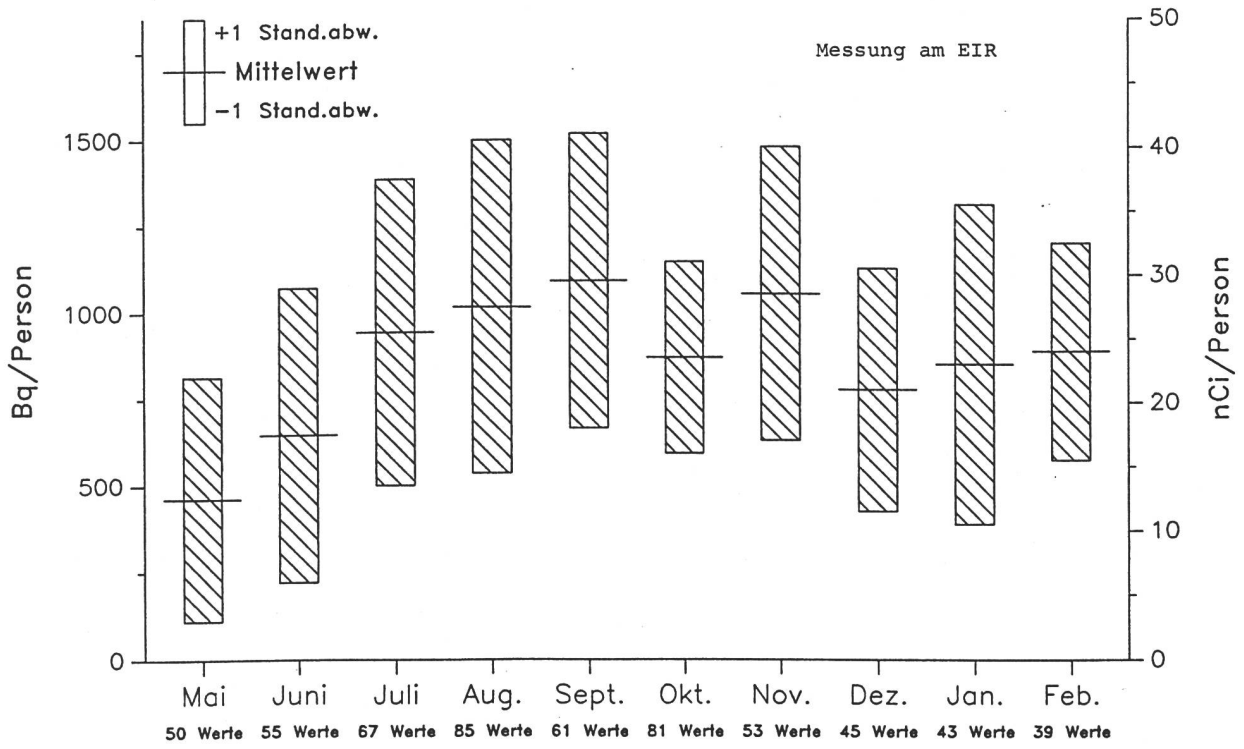
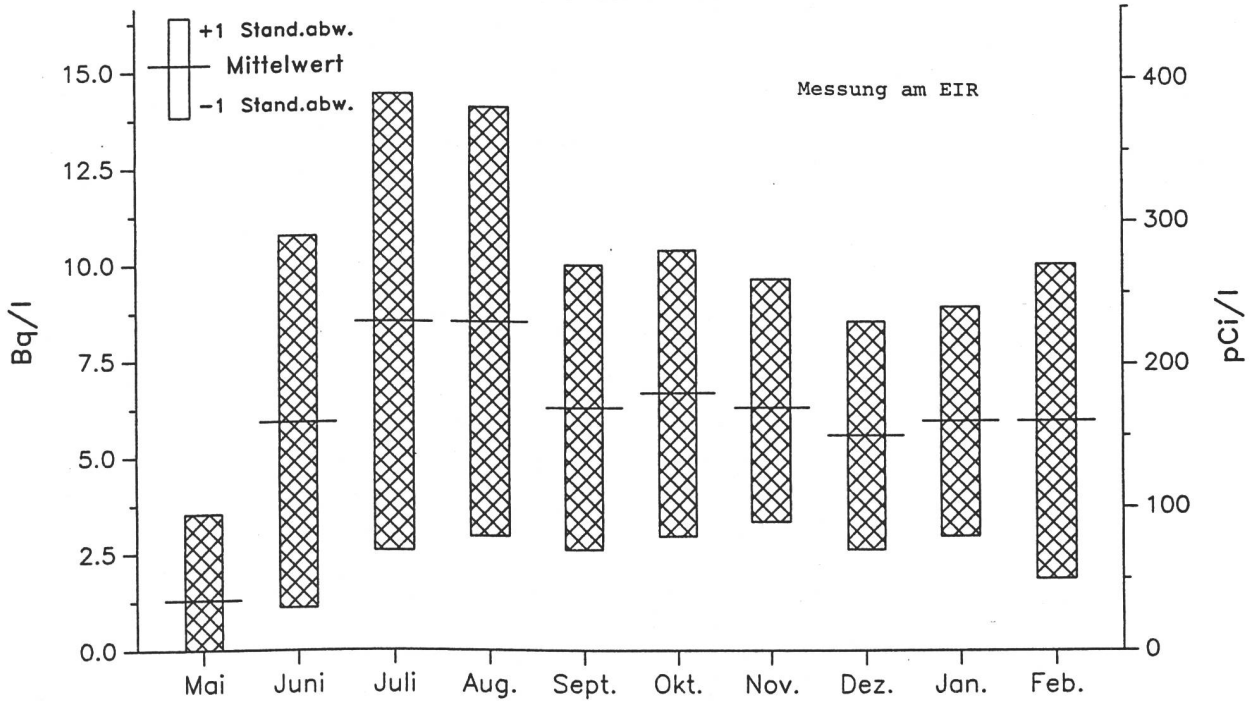



Fig. 5.47.d: URIN-MESSUNGEN 1986/87

monatl. Mittel der $^{134}Cs+^{137}Cs$-Aktivität

von über 350 Personen



# Fig. 5.47.e: Ganzkörpermessungen am EIR 1986/87

$^{134}Cs+^{137}Cs$–Aktivität

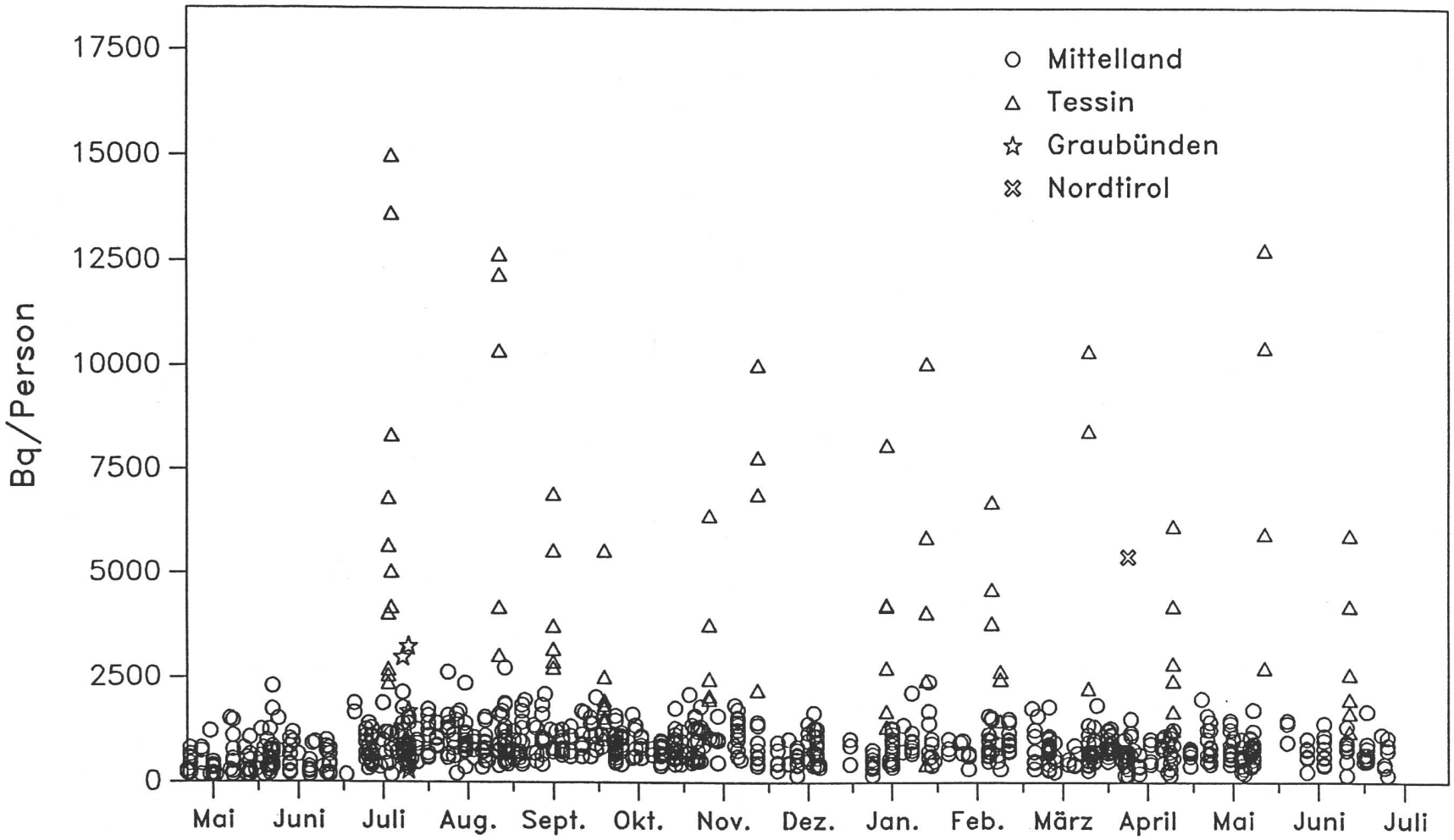


Fig. 5.48 : Ganzkörpermessungen in Genf :

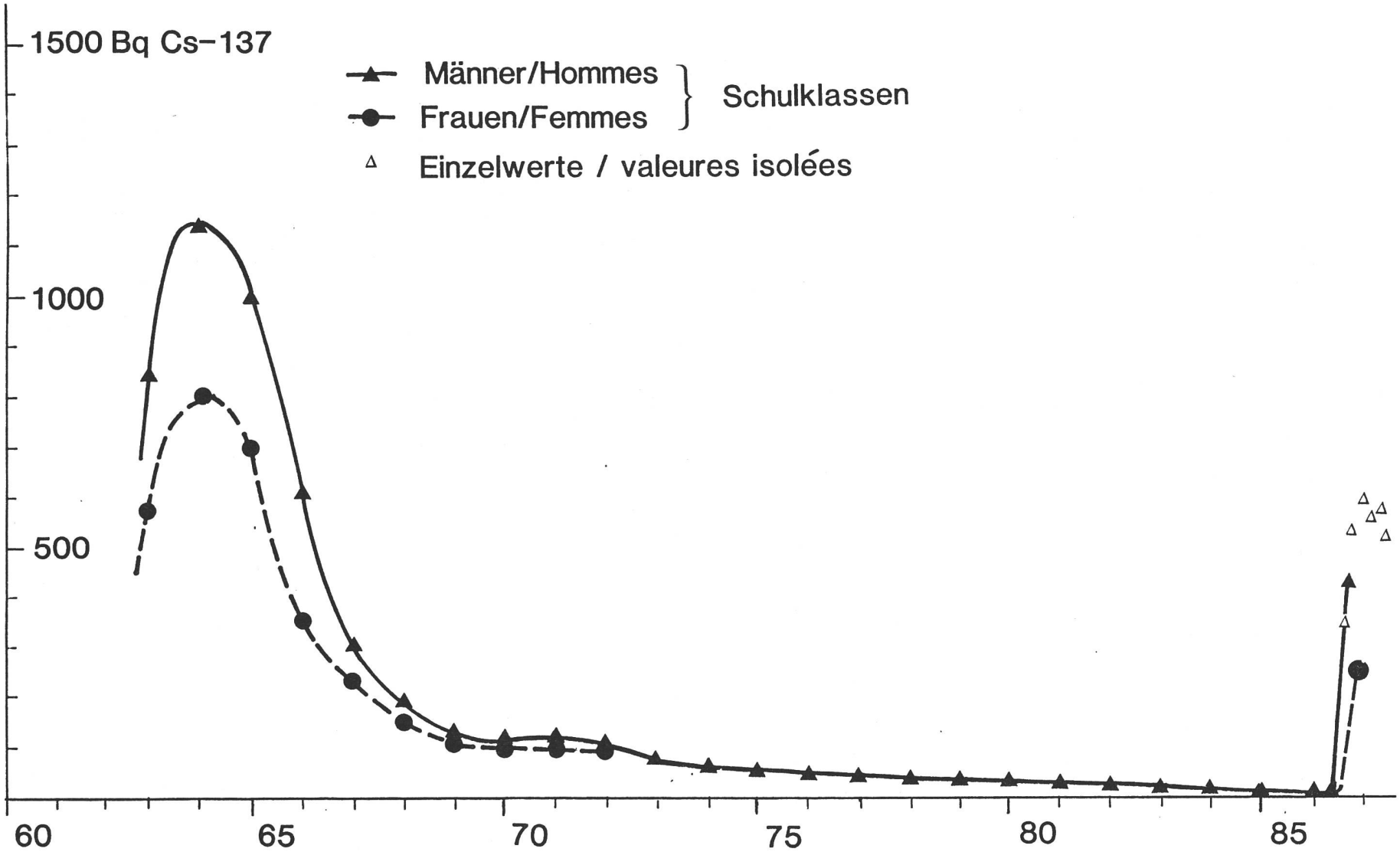


Fig. 5.49.a: Cs-137/Sr-90-Verhältnis in Pflanzen aus 3 Regionen.
In Klammern: Anzahl Proben - *en parenthèses: nombre d'échantillons*

1 : Luftfilter Dübendorf/ZH - *filtres à air de Dübendorf*
2 : Luftfilter Saignelégier/JU - *filtres à air de Saignelégier/JU*
3 : Regenwasser Dübendorf/ZH - *pluie de Dübendorf*

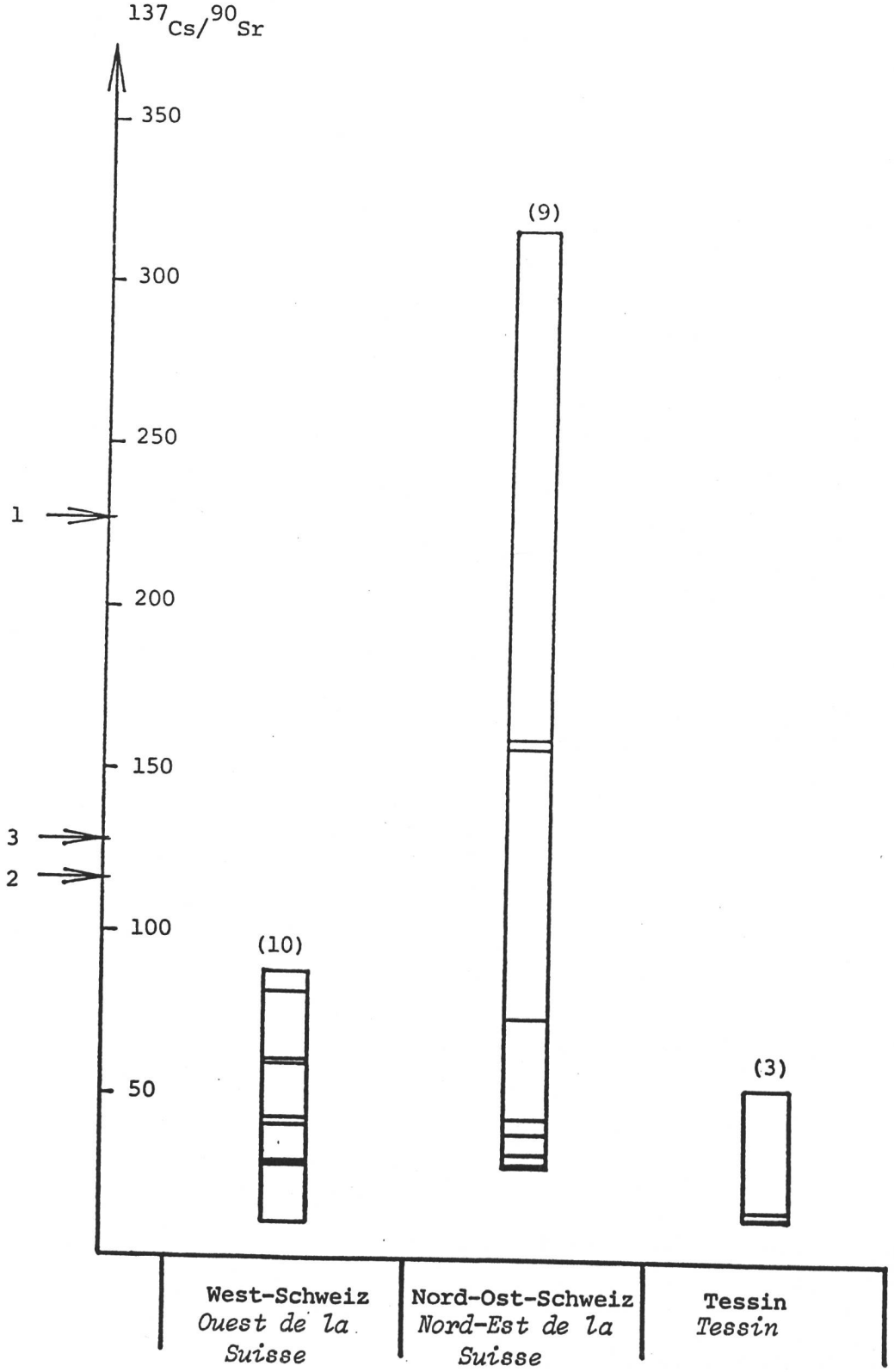


Fig. 5.49.b: Kuhmilch ganze Schweiz (Mai - Juni 1986)

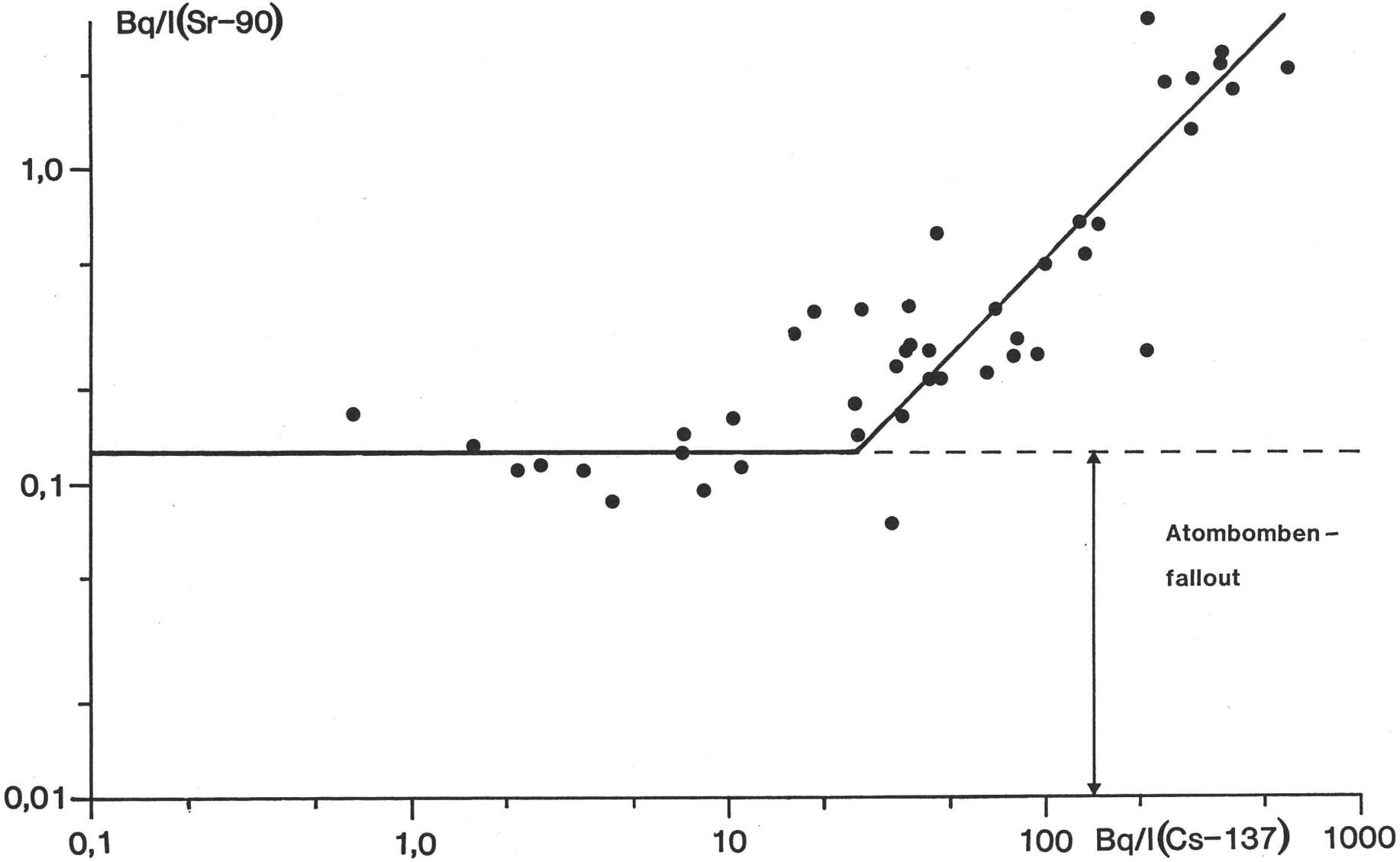


Fig. 5.49.c: Radionuklide in der Milch von Pomy/VD

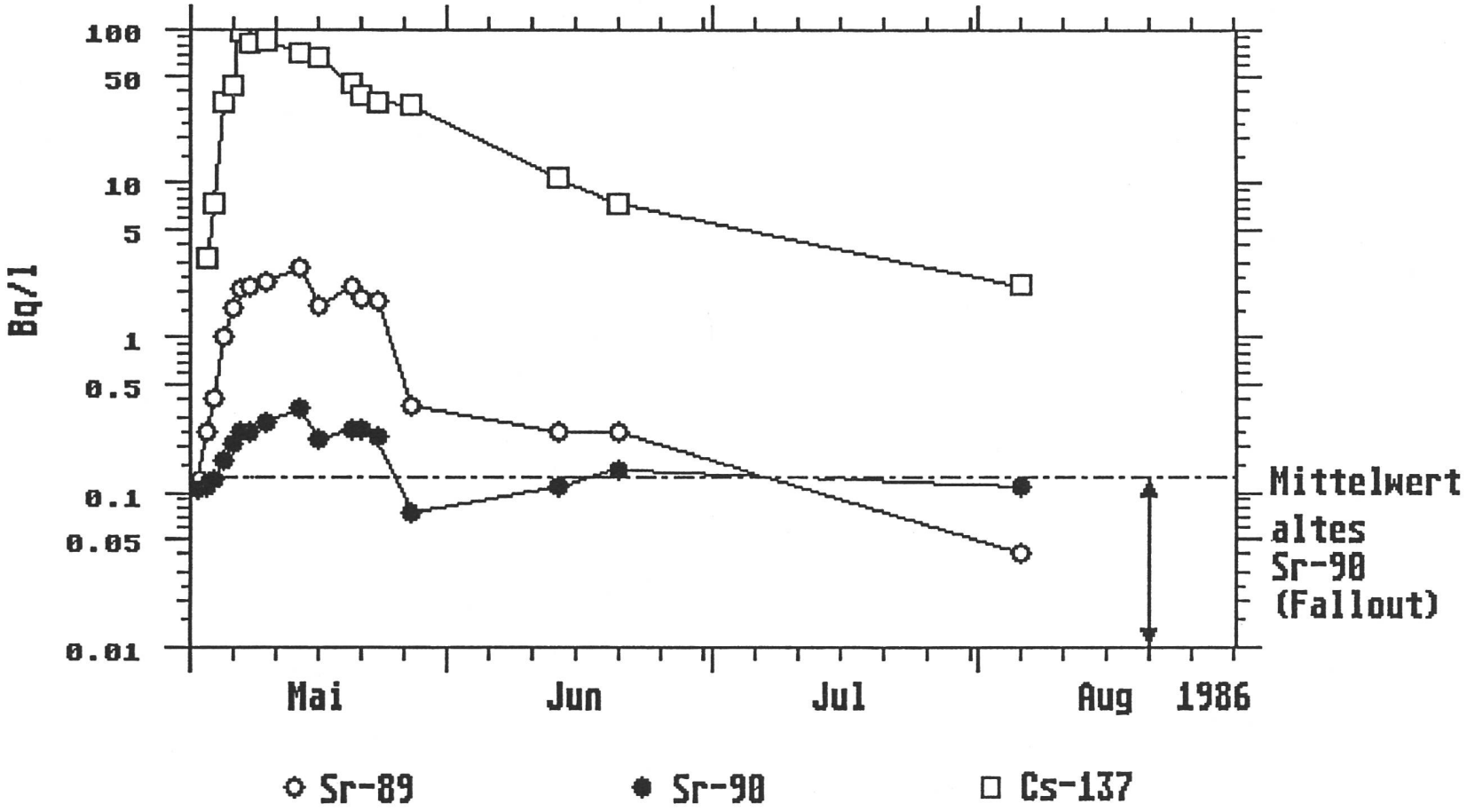


Fig. 5.49.d: Verteilung von Sr-90 und Calcium in den vier Mahl-Fraktionen von Weizen aus dem Tessin.

(a) Sr-90 - Verteilung
(b) Calcium-Verteilung
(c) Aktivitätsverteilung von Sr-90 zum gesamten Getreide.

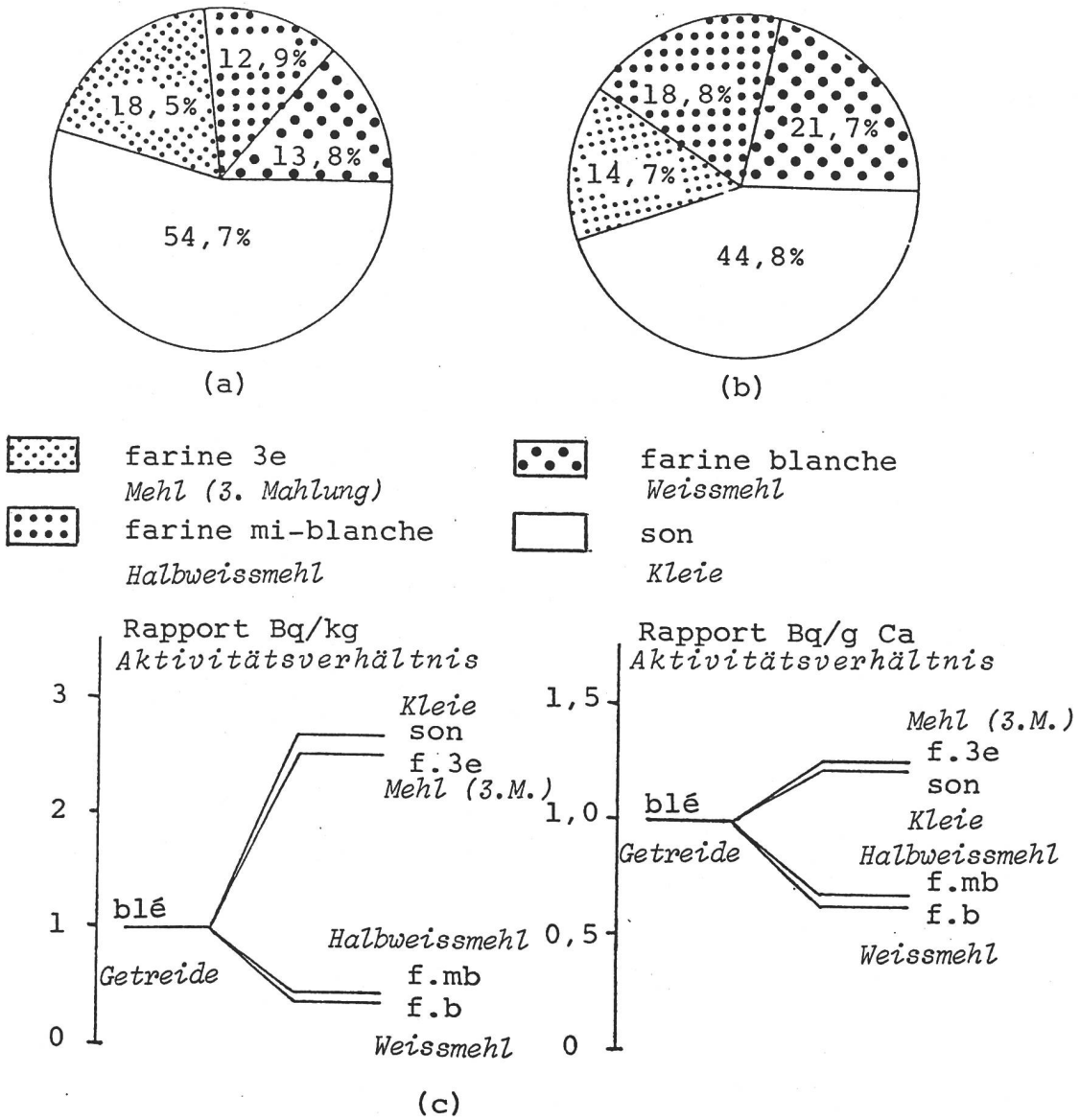


Fig.5.50.a: Radionuklide in Frischschlamm ARA Münsterlingen 1986/87

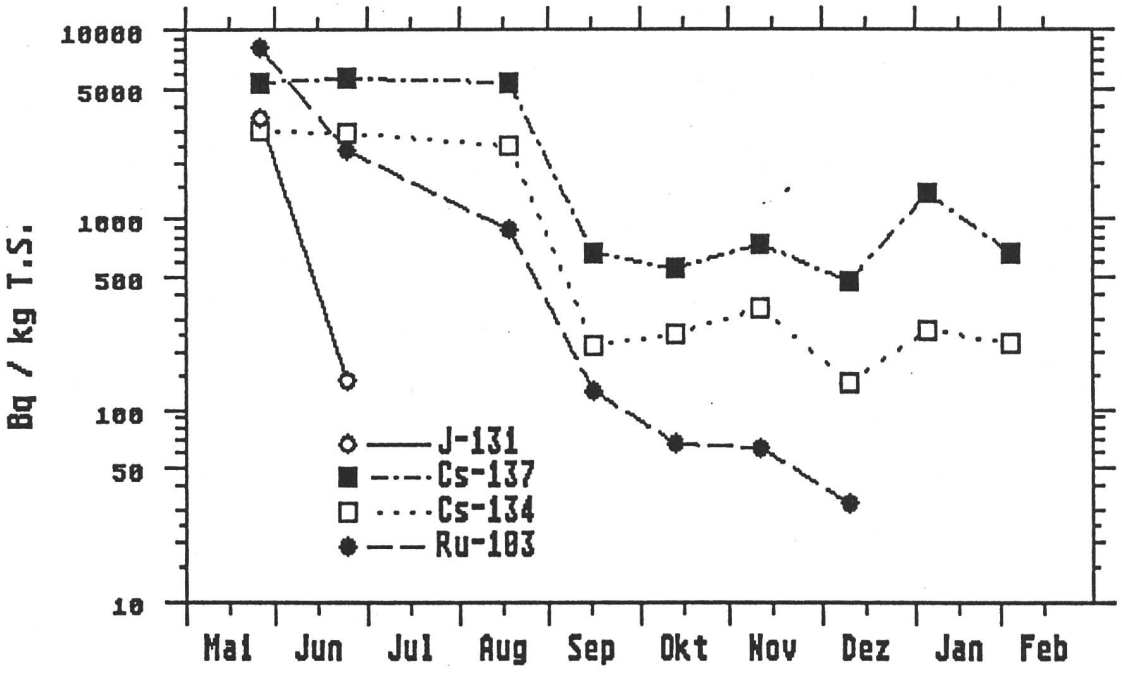



Fig.5.50.b: Radionuklide im Frischschlamm, ARA Bern-Neubrück 1986/87

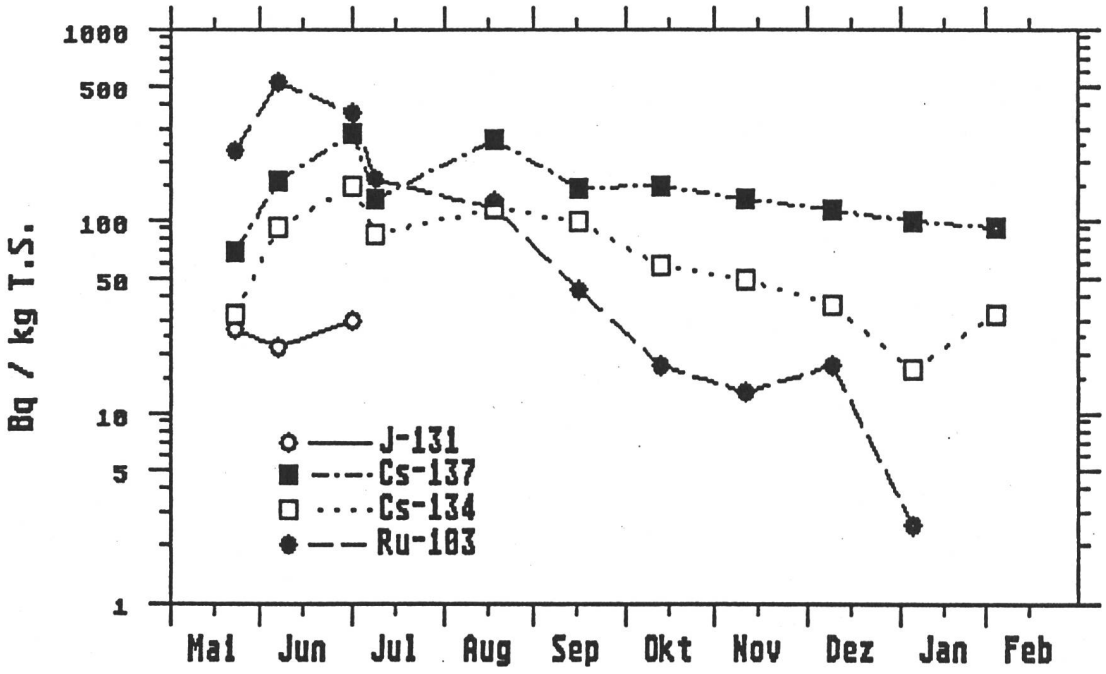


Fig.5.50.c: Radionuklide in Frischschlamm ARA Lugano 1986/87

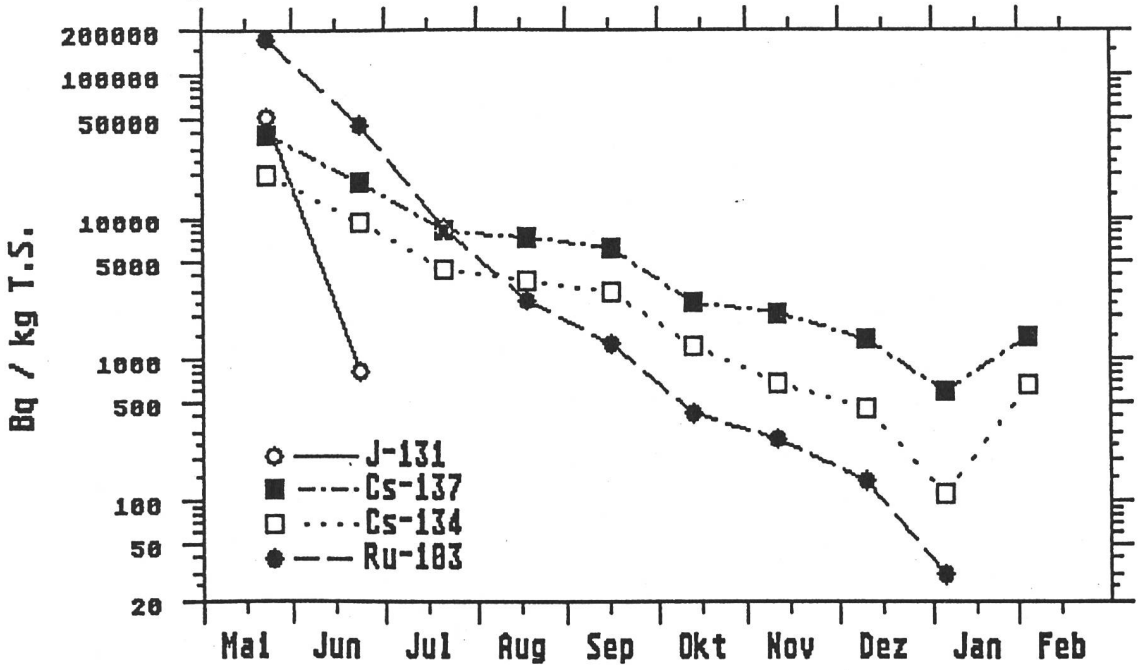



Fig.5.50.d: Radionuklide in Frischschlamm ARA Morges 1986/87

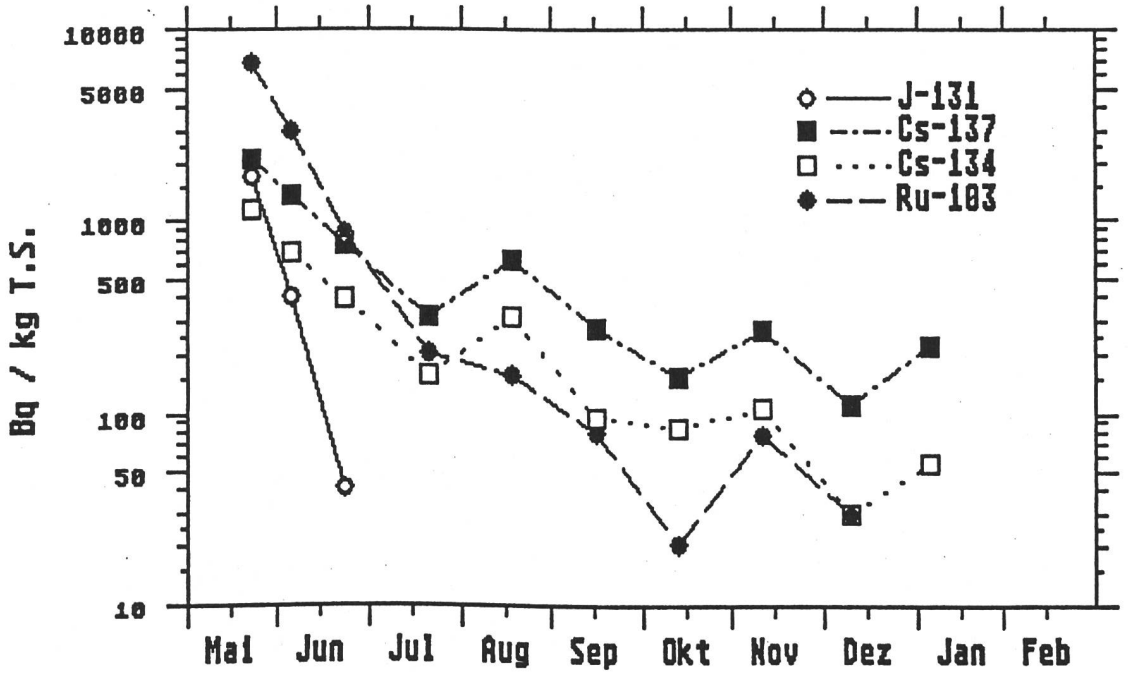


Fig.5.50.e: Aktivitätsverteilung im Klärschlamm (ganze Schweiz)

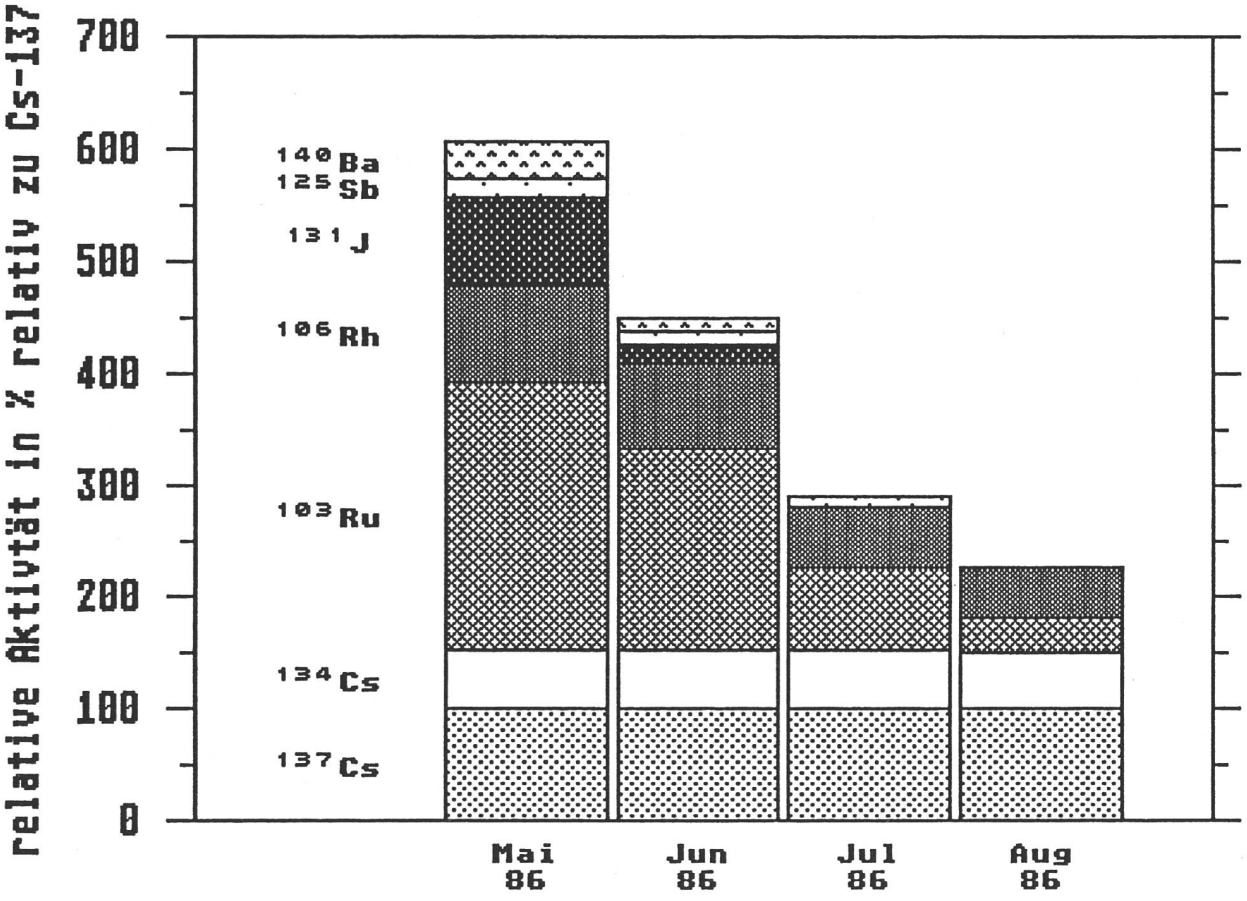
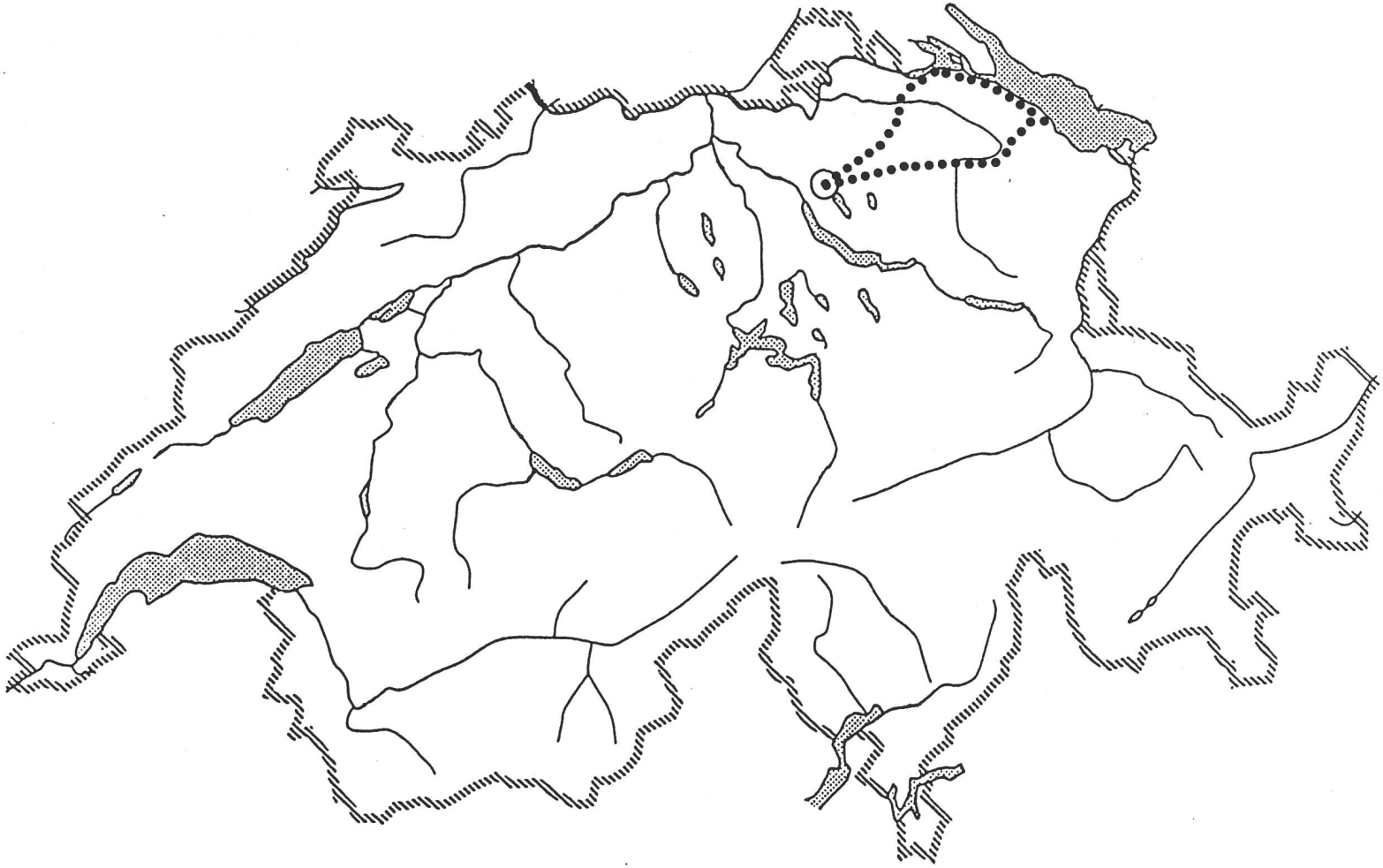
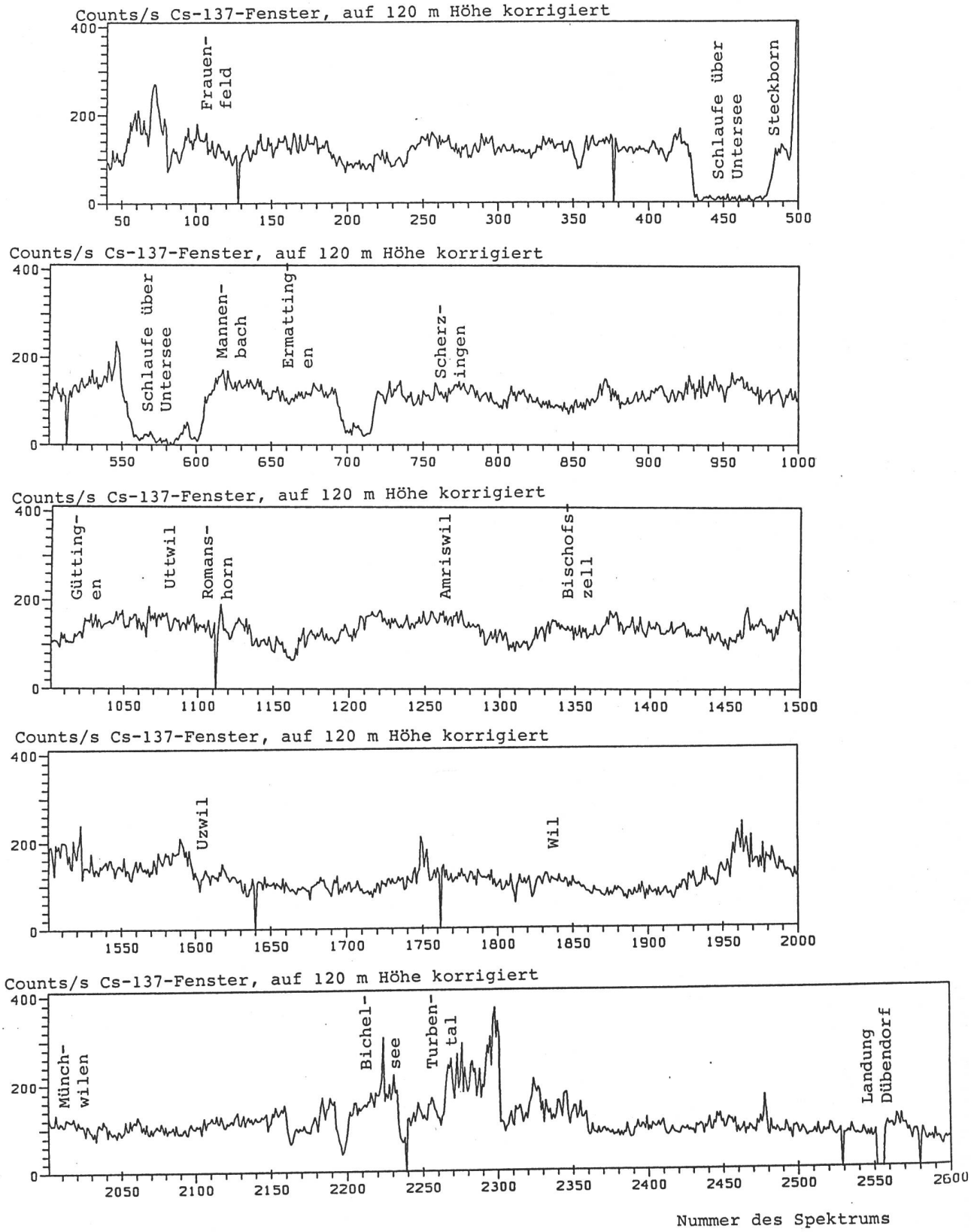


Fig. 5.51.a :

Route Aeroradiometrieflug am 7. Juli 1986 ab Dübendorf



# Fig. 5.51.b:
# Resultate des Aeroradiometriefluges vom 7.7.86